IBM Tivoli Storage FlashCopy Manager
Version 4.1

Messages

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Version 4.1

Messages

Note:
Before using this information and the product it supports, read the information in "Notices" on page 563.

First edition (December 2013)

This edition applies to version 4, release 1, modification 0 of IBM Tivoli Storage FlashCopy Manager (product numbers 5641-A06, 5724-X94, 5608-W07) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this publication

IBM® Tivoli® Storage FlashCopy® Manager provides the tools and information needed to create and manage volume-level snapshots on snapshot-oriented storage systems while the applications that contain data on those volumes remain online. Optionally, backups can be sent to Tivoli Storage Manager storage.

This publication contains explanations and suggested actions for messages issued by all Tivoli Storage FlashCopy Manager components:

- Tivoli Storage FlashCopy Manager for UNIX and Linux
- Tivoli Storage FlashCopy Manager for VMware
- Tivoli Storage FlashCopy Manager for Windows
  - Microsoft Management Console (MMC) Snapin and Base System Services
  - Volume Shadow Copy Service (VSS) Requestor
- Tivoli Storage FlashCopy Manager for Microsoft Exchange Server
- Tivoli Storage FlashCopy Manager for Microsoft SQL Server

Who should read this publication

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

Publications

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

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

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

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Chapter 1. Introduction to Tivoli Storage FlashCopy Manager messages

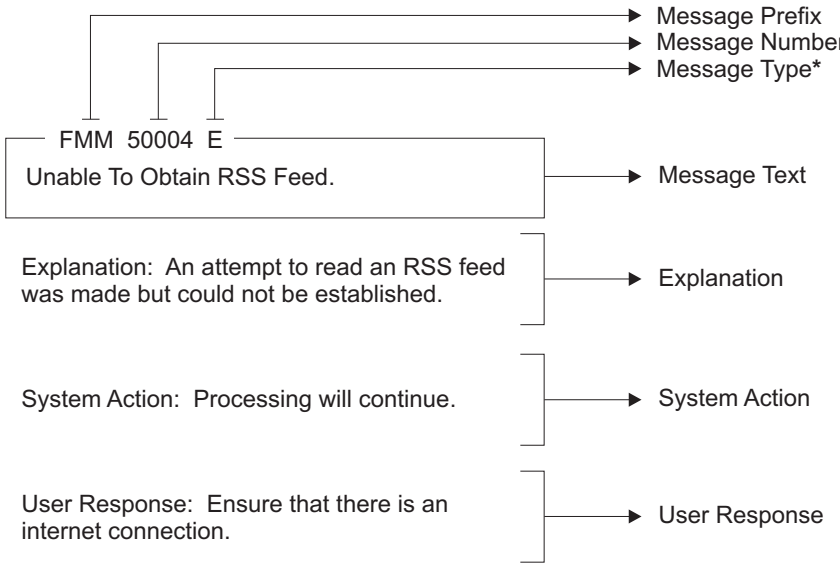
IBM Tivoli Storage FlashCopy Manager components issue messages with prefix FMM, FMF, FMX, FMY, and FMV. The messages are listed and the format of the messages is described.

Tivoli Storage FlashCopy Manager message format

Messages consist of the following elements:

- A three-letter prefix.
- A numeric message identifier.
- A one-letter severity code, also called the message type.
- Message text that is displayed on screen and written to message logs.
- Explanation, System Action, and User Response texts. These texts elaborate on the message text, and are accessible only in documentation.

The image presents a typical message. The callouts on the right of the image identify each element of the message.



I = Information
* E = Error
S = Severe Error
W = Warning

The severity codes give an indication of the severity of the issue that generated the message. The severity codes and their meanings are as follows:

Code	Severity	Meaning
S	Severe	The product or a product function cannot continue. User response is required.
E	Error	An error is encountered during processing. Processing might stop. User response might be required.

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Code	Severity	Meaning
W	Warning	Processing continues, but problems might occur later as a result of the warning.
I	Information	Processing continues. User response is not necessary.

Message variables in the message text appear in italics.

On Tivoli Storage FlashCopy Manager for UNIX and Linux systems and in Tivoli Storage FlashCopy Manager for VMware environments, some logs append an extra prefix to the message.

In the detailed log, messages are prefixed with a timestamp and a session ID. The session ID can help you determine whether the message was produced from the application or the device. It can help you distinguish different application and device nodes. For DB2® DPF databases, the session ID can help you to determine which DB2 node or which storage cluster was responsible for producing the message.

The following example contains a prefix:

```
15:41:07 (626) FMM8300I tsmACSPartition() returned with code 18.
```

In the summary log, there is an extra prefix that indicates what operation caused the request.

Here is an example of the prefix in the summary log:

```
DB  00:16:48 (92e) FMM1510I New connection received.
```

Tivoli Storage FlashCopy Manager messages prefixes

Messages have different prefixes to help you identify the component that issues the message. The table below identifies the prefix that is associated with each component.

Table 1. Messages prefixes by component

Prefix	Component
FMM	Common to several components: • Tivoli Storage FlashCopy Manager for UNIX and Linux • Tivoli Storage FlashCopy Manager for VMware
FMF	Tivoli Storage FlashCopy Manager for Windows Microsoft Management Console (MMC) Snapin and Base System Services
FMX	Tivoli Storage FlashCopy Manager for Microsoft Exchange Server
FMY	Tivoli Storage FlashCopy Manager for Microsoft SQL Server
FMV	Tivoli Storage FlashCopy Manager Volume Shadow Copy Service (VSS) Requestor

Chapter 2. FMM messages

Messages with prefix FMM are issued by the following IBM Tivoli Storage FlashCopy Manager components:

- Tivoli Storage FlashCopy Manager for UNIX and Linux
- Tivoli Storage FlashCopy Manager for VMware

Messages with prefix FMM are also issued by the command line interface (VMCLI) of IBM Tivoli Storage Manager for Virtual Environments, Data Protection for VMware.

FMM common messages

FMM messages in the range 0000-9999 are common messages. Common messages are issued by the following IBM Tivoli Storage FlashCopy Manager components:

- Tivoli Storage FlashCopy Manager for UNIX and Linux
- Tivoli Storage FlashCopy Manager for VMware

Tivoli Storage FlashCopy Manager V4.1 common messages are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMM0001E Profile not specified.

Explanation: Cannot locate the profile.

System action:

User response: Ensure that a profile is available. (Oracle) Note that the BACKINT call must have the following form: backint –p init<SID>.utl .

FMM0004E Function not defined. [*function* **]**

Explanation: BRTOOLS, BRBACKUP, or BRARCHIVE passed an invalid argument to Data Protection for SAP.

System action:

User response: Ensure that you have the correct version of BR*Tools installed. Valid functions are: –f backup or –f restore or –f password or –f delete or –f inquire.

FMM0005I Start of program at: *time***.**

Explanation: The operation started at the time denoted.

System action:

User response: None.

FMM0006E Type for backup not defined [*type* **]. Please use 'file' or 'file_online'.**

Explanation: Data Protection for SAP expects as the backup type parameter only file or file_online.

System action:

User response: If you start Data Protection for SAP manually to do a backup, ensure that the type option (–t) receives the correct arguments (file or file_online). If your Data Protection for SAP has been invoked by one of the SAP database utilities (for example, **BRBACKUP**), ensure that the SAP backup profile init<SID>.sap is customized correctly.

FMM0007E Mode *mode* **requires the environment variable** *environment variables* **to be set.**

Explanation: Not all environment variables required have been set. At least *environment variables* are missing.

System action:

User response: Set the missing environment variables.

FMM0008E The environment variable *name* **is not set correctly. The current value is "***value***".**

Explanation: The value of the environment variable *name* is wrong.

System action:

User response: Set *name* to an appropriate value.

FMM0009E The option '*option***' must be specified after the '–t FAKE' option. This is true**

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for all fake relevant options.

Explanation: The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action: Processing ends.

User response: Contact IBM support.

FMM0010E **The option '*option*' contains an invalid argument**

Explanation: The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action: Processing ends.

User response: Contact IBM support.

FMM0011E **Semantic errors were detected in the fake definition: '*definition*'**

Explanation: The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action: Processing ends.

User response: Contact IBM support.

FMM0012I **command: '*command*'**

Explanation: A backup or restore simulation was started by the Administration Assistant. The command line options are shown in the message.

System action: Processing continues.

User response: None.

FMM0020I **End of program at: *time*.**

Explanation: The operation ended at the time denoted.

System action:

User response: None.

FMM0021I **Elapsed time: *elapsed time*.**

Explanation: The time needed for the complete operation was *elapsed time*.

System action:

User response: None.

FMM0023I **Time: *current time* Done: *saved bytes* (*percent*) of *bytes*. Estimated end time: *end time*.**

Explanation: Finished saving a specific object at *current time*. The *saved bytes* amount of the total number of *bytes* have been saved. *percent* shows the percentage. This call will be completed at the estimated *end time*.

System action:

User response: None.

FMM0024I **Return code is: *return code*.**

Explanation: Finished saving a specific object at current_time. The saved_bytes amount of the total number of bytes have been saved. percent shows the percentage. This call will be completed at the estimated end_time.

System action:

User response: For return codes other than 0, check the run log for warnings or error messages.

FMM0027I **Time: *current time* Object: *current number* of *total number* in process: *file_name* Size: *size*, MGMNT–CLASS: *management class*, TSM–Server: *server name* .**

Explanation: Data Protection for SAP started saving *current number* files at *current time*. The total number of files to save is *total number*. The file *file name* is currently being processed. The files are transferred to the Tivoli Storage Manager server *server name*, which stores them in the management class *management class*.

System action:

User response: None.

FMM0032E **Error opening file *file name*: *system error description***

Explanation: A system error occurred during opening of the file *file name*. *system error description* describes the error in more detail.

System action:

User response: Read the *system error description*.

FMM0048E **No password for node *node name* on server *server name* given on command line. When entering passwords in batch mode, you must supply values for all stanzas in the profile.**

Explanation: The batch mode of the password function requires a data set for all Tivoli Storage Manager server stanzas in the profile.

System action:

User response: Check the profile for active server stanzas. Use that information and try it again.

FMM0049I **Enter the password for node *node name* on server *server name*:**

Explanation: The password for the node *node name* on the Tivoli Storage Manager server *server name* has to be entered for storing it in the DP for SAP configuration file.

System action:

User response: Enter the password for the corresponding Tivoli Storage Manager server.

FMM0050I **Enter password for node** *node name* **on server** *server name* **again:**

Explanation: In order to avoid typing errors, you have to enter the password twice.

System action:

User response: Enter the password again.

FMM0051I **Password successfully verified for node** *node name* **on server** *server name***.**

Explanation: The password for the node *node name* on the Tivoli Storage Manager server *server name* was changed successfully.

System action:

User response: None.

FMM0052E **Password verification for node** *node name* **on server** *server name* **failed.**

Explanation: The password you entered for the node *node name* on the Tivoli Storage Manager server *server name* was wrong.

System action:

User response: Enter the password again. If this error still exists, contact your Tivoli Storage Manager administrator.

FMM0053I **Time:** *current time* **Object:** *current number* **of** *total number* **complete:** *file name* **with:** *bytes* **saved with description** *object description***.**

Explanation: Data Protection for SAP completed saving *current number* file at *current time*. The total number of files to be saved is *total number*. The file *file _name* with the size *bytes* is saved with the description *object description*.

System action:

User response: None.

FMM0054I **Time:** *current time* **Object:** *current num* **of** *total num* **complete:** *file name* **with:** *bytes* **restored with description** *object description* **.**

Explanation: Data Protection for SAP completed restoring of *current num* file at *current time*. The total number of files to be restored is *total num*. The file *file name* with the size *bytes* is restored with the description *object description*.

System action:

User response: None.

FMM0055I **Object** *object name* **with** *size* **saved with description** *description***.**

Explanation: The object *object name* was saved successfully.

System action:

User response: None.

FMM0056I **Object** *object name* **with** *size* **restored with description** *description***.**

Explanation: The object *object name* was restored successfully.

System action:

User response: None.

FMM0057I **Time:** *current time* **Object:** *object name* **with:** *size* **saved with description** *description***.**

Explanation: The object *object name* was saved successfully.

System action:

User response: None.

FMM0058I **Time:** *current time* **Object:** *object name* **with:** *size* **restored with description** *description***.**

Explanation: The object *object name* was restored successfully.

System action:

User response: None.

FMM0059E **Data Protection for SAP cannot find the client options file.**

Explanation: Data Protection for SAP requires a client options file (<server>.opt) for each Tivoli Storage Manager server. The client options files must reside in the same directory. This directory must also contain a client options file 'dsm.opt'. The environment variable DSMI_CONFIG must specify this directory.

System action:

User response: Set the environment variable DSMI_DIR to the Tivoli Storage Manager API installation path. Set the environment variable DSMI_CONFIG to the path of the client options files.

FMM0060E The command parameter *parameter* is not recognized.

Explanation: The command parameter *parameter* is not recognized.

System action:

User response: Check the command syntax and reenter the command.

FMM0061W The output file *file name* is not valid.

Explanation: The specified output file *file name* could not be created.

System action:

User response: Check that *file name* is a valid file name on your operating system. Also check that the application has the appropriate permissions to create the file within the specified directory. The directory must already exist. If the file already exists, rename the old one.

FMM0062E The input file *filename* is not valid.

Explanation: Unable to read the input file *file name* correctly.

System action:

User response: Check the path and name of the input file and the appropriate file access permission.

FMM0063E The UTL file *file name* is not valid.

Explanation: Unable to read the input file *file name* correctly.

System action:

User response: Check the path and name of the profile (UTL file) and the appropriate file access permission.

FMM0064E The option '*option*' is not recognized.

Explanation: The option is not recognized.

System action:

User response: Check the command syntax and reenter the command.

FMM0065E The argument is missing for option '*option*'.

Explanation: Every option requires an argument.

System action:

User response: Check the command syntax and reenter the command.

FMM0101I Enter '*cont*' to continue or '*stop*' to cancel.

Explanation: If Data Protection for SAP is running in unattended mode (profile keyword BATCH), it terminates the current run if operator intervention is required.

System action:

User response: Enter 'cont' or 'stop'.

FMM0102I Your reply: '*reply*'.

Explanation: The reply you made is confirmed.

System action:

User response: None.

FMM0104I Deleting the data container '*dcid*' from the backup '*snapid*' in the repository. IBM Tivoli Storage FlashCopy Manager found that the volumes of this data container do not contain a valid snapshot in the storage system.

Explanation:

System action:

User response: None.

FMM0105I If the newest FlashCopy targets of the mirror copy sources are space efficient volumes, then they will grow up to the size of the sources.

Explanation: Be aware that the AIX® LVM mirror synchronization will change all the tracks of the mirror copy.

System action: Processing continues.

User response: If you are using space efficient target volumes for the mirror copy to be synchronized, then verify the FlashCopy backups and provide enough storage for the growth. You can also evaluate to delete those backups. If multiple target sets are used, then all the other in the chain have to be deleted as well.

FMM0106I The newest snapshot of the mirror copy will grow up to the size of the sources.

Explanation: Be aware that the AIX LVM mirror synchronization will change all the tracks of the mirror copy.

System action: Processing continues.

User response: Verify the snapshot backups and provide enough storage for the growth. You can also evaluate to delete those backups.

FMM0122I Backup ID: *backup identifier*

Explanation: The *backup identifier* uniquely identifies the backup that has been created.

System action: Processing continues.

User response: None.

FMM0123E Option -i <backup_list> not specified.

Explanation: The function –f getresources requires the specification of the option –i <backup_list> too.

System action:

User response: Ensure that you transfer the list of the files to back up when you call the function –f getresources. Note that in this case the splitint call must have the following form: <path>/splitint –p <path>/init<SID>.fcs –f getresources –i <backup_list>...

FMM124E The LUN '*LUN name***' on the datastore '***datastorename***' is not part of a storage subsystem supported by IBM Tivoli Storage FlashCopy Manager.**

Explanation: IBM Tivoli Storage FlashCopy Manager cannot backup the specified datastore because it contains at least one LUN of a storage subsystem which is not supported.

System action: Processing ends.

User response: At least one LUN of the specified datastore is not part of a storage subsystem that is supported by IBM Tivoli Storage FlashCopy Manager. Remove the LUN from the datastore.

FMM0127E The backup corresponding to this consistency group *cg* cannot be deleted as it is not the oldest in the cascade of dependent flashcopy maps.

Explanation: The specified backup is not the oldest in a cascade of flashcopy maps and cannot be deleted as it has dependencies with the remaining maps in the cascade.

System action: Process stops.

User response: This operation can be retried when there are no longer any more dependencies on this backup.

FMM128E The '*disk names*' virtual disk(s) of the virtual machine '*VM name*' have a disk type which is not supported by IBM Tivoli Storage FlashCopy Manager. The virtual machine is not included in the backup.

Explanation: The specified virtual disks of the specified virtual machine have a type which is not supported by IBM Tivoli Storage FlashCopy Manager. The specified virtual machine will not be included in the backup and not be restorable.

System action: Processing continues.

User response: Change the disk type to a type that is supported by IBM Tivoli Storage FlashCopy Manager. Please refer to the User's manual or the Pre-Installation checklist for details.

FMM129E The following error was returned by the VSphere API: '*vSphere error*'.

Explanation: The VSphere API issued the specified error.

System action: Processing ends.

User response: Try to interpret the vSphere error message and to fix the cause of the issue.

FMM0136I Start of the reconciliation between the IBM Tivoli Storage FlashCopy Manager repository and the storage system.

Explanation: IBM Tivoli Storage FlashCopy Manager is checking the validity of the backups listed in the repository in the storage system.

System action:

User response: None.

FMM0137I End of the reconciliation.

Explanation: IBM Tivoli Storage FlashCopy Manager is finished checking the validity of the backups listed in the repository in the storage system.

System action:

User response: None.

FMM0138I Time stamp: *current_time***.**

Explanation: IBM Tivoli Storage FlashCopy Manager performs several tasks in sequence (for example, initiate the FlashCopy of source volumes on the production system and mount file systems on the backup system). Tracking the various time stamps allows analysis of how long each task took.

System action:

User response: None.

FMM0142I Snapshot started ...

Explanation: The command with the 'flashcopy' function has been issued on the production system, and the program splitint waits until this action has finished.

System action:

User response: None.

FMM0143I Snapshot successful.

Explanation: The command for the snapshot–based copy of the volume pairs has completed successfully on the production system.

System action:

User response: None.

FMM0144W Information from DP for mySAP was not found.

Explanation: The exchange data between IBM Tivoli Storage FlashCopy Manager and Tivoli Storage Manager for ERP was not found. The information is exchanged through the call of the IBM Tivoli Storage FlashCopy Manager's function ?set_bki_info? by backint before the Tivoli Storage Manager backup. For older versions, the information is first exchanged after the Tivoli Storage Manager backup during the execution of the unmount function. Either the Tivoli Storage Manager for ERP you have installed does not support IBM Tivoli Storage FlashCopy Manager, or Tivoli Storage Manager for ERP has failed after a successful FlashCopy and mount.

System action:

User response: Check the run logs of tsm4acs. This error could have various reasons and should be resolved depending on the specific situation: Case 1: tsm4acs has finished successfully. Result: The backup on disk (FlashCopy target volumes) as well as the one done to the Tivoli Storage Manager server are valid. However, IBM Tivoli Storage FlashCopy Manager cannot show the backup ID in its report when using the function 'inquire'. Reason for warning: It is very likely that Tivoli Storage Manager for ERP (AIX version) does not have IBM Tivoli Storage FlashCopy Manager support (prior to version 3.1.0.3). Action: Install the appropriate Tivoli Storage Manager for ERP version. Case 2: tsm4acs has terminated abnormally. Result: Carefully check the run log of tsm4acs for any FMM, ANS or ANR error messages. Most likely, the backup on disk (FlashCopy target volumes) is valid (check with splitint –f inquire whether PSI is PSI_MOUNT_DONE or PSI_UNMOUNT_DONE), but the backup to the Tivoli Storage Manager server is invalid. Cause: Problems with the network or on the Tivoli Storage Manager server caused Tivoli Storage Manager for ERP to fail when running a backup. Action: Depending on the error message, eliminate the reason for not getting a successful backup to the Tivoli Storage Manager server.

FMM0147I The IDS control file exists and a new backup cycle entry has been created.

Explanation: At the start of the function –f getresources, IBM Tivoli Storage FlashCopy Manager inserts a record in the IDS control file for the new backup cycle. This record is updated as the status of the new backup cycle changes (such as FlashCopy target volumes/file systems being mounted or unmounted).

System action:

User response: None.

FMM0148E The backup ID was not passed by DP for mySAP. This snapshot backup cannot be used for snapshot restore.

Explanation: Before this error, the warning IDS1041W is displayed. The backup ID is mandatory for using a snapshot backup for the restore.

System action:

User response: To use snapshot restore, ensure that you have installed DP for SAP (backint) version 3.3.10 or higher.

FMM0149E The IDS control file is corrupt!

Explanation:

System action:

User response:

FMM0150I The IDS control file '*ids_control_file*' does not exist, it will be created.

Explanation: IBM Tivoli Storage FlashCopy Manager writes the first record to the IDS control file specified in the entry IDS_CONTROL_FILE of the profile.

System action:

User response: None.

FMM0151E The IDS control file has no entry.

Explanation: IBM Tivoli Storage FlashCopy Manager has found the IDS control file, but it has no records. This error occurs when you start one of the functions inquire, withdraw or unmount before you have run the 'flashcopy' function for the first time.

System action:

User response: The problem is resolved after you run at least one tsm4acs with a successful FlashCopy.

FMM0152E The IDS control file must be read or inserted before update.

Explanation: IBM Tivoli Storage FlashCopy Manager has detected a logical error when processing the IDS control file.

System action:

User response: Contact Tivoli Storage Manager for ERP support.

FMM0153W The value of the field '*field_name*' in the file '*file_name*' is empty.

Explanation: The program tsm4acs updates the IDS repository after the Tivoli Storage Manager backup but also in case of a disk–only backup. A temporary file is created with the following format: >>> backint_data BID <backup id> UTL <name of the application profile used> INF <DPF backup ID> EBC <log directory> EBB <backup type> EBR <first active log> <<< backint_data >>> input_file <file list> <<< input_file If one of the fields of the topic ?backint_data? is empty (that is, missing), this message is displayed. If the backup ID is empty, the process terminates with error IDS1036E.

System action:

User response: None.

FMM0154W Info data from DP for mySAP */tmp/bki<SID>.ids* cannot be read.

Explanation: Before the unmount process, IBM Tivoli Storage FlashCopy Manager reads /tmp/bki<SID>.ids, which contains information about the backup that was done by Tivoli Storage Manager for ERP. Among the information read is: • Backup ID • Util file used for the backup • A list of the files used for the backup • The backup type This message is issued if Tivoli Storage Manager for ERP terminated unsuccessfully for some reason.

System action:

User response: Ensure that Tivoli Storage Manager for ERP runs successfully.

FMM0155I The maximum number of backup cycles in the IDS control file has been reached.

Explanation: The maximum number of backups controlled via the parameter BACKUP_MAX will be exceeded with the new inserted record. If the parameter is not set, the program uses the default value of 30.

System action:

User response: None.

FMM0156I Delete backup cycle with BSEQ_N = *beseq_n* and all the associated files ...

Explanation: The program deletes the oldest record with the backup sequence number <bseq_n> because the maximum number of records has been reached. In addition, the oldest reports and traces associated with that backup cycle are deleted.

System action:

User response: None.

FMM0157W Directory Path '*directory*' for the report files does not exist. Using the current directory.

Explanation: The directory entry of the parameter LOG_TRACE_DIR in the profile could not be found. The current directory is used for the log and trace files.

System action:

User response: To avoid directories cluttered with reports and traces, the parameter LOG_TRACE_DIR should be used, or the directory it specifies must be created if necessary.

FMM0158I Start of listing of importing volume groups/mounting file systems ...

Explanation: After initiating the FlashCopy source/target volumes on the production system, IBM Tivoli Storage FlashCopy Manager makes the corresponding target volumes available to the backup host. A list of mount points or volume groups is shown.

System action:

User response: None.

FMM0159I End of listing.

Explanation: This message marks the end of the list of mount points or volume groups.

System action:

User response: None.

FMM0160I The unmount process will be skipped because the progress status indicator (PSI) has a value of '*psi*'.

Explanation: When the 'withdraw' function is started, the unmount process is performed only if the PSI has a value of PSI_MOUNT_STARTED or PSI_MOUNT_DONE.

System action:

User response: The documentation shows the permissible functions depending on the backup progress status indicator.

FMM0162E The version of the splitint program must be the same on the backup and production system.

Explanation: The version of IBM Tivoli Storage FlashCopy Manager on the production system is different from the version on the backup system.

System action:

User response: Ensure that you install the same version of IBM Tivoli Storage FlashCopy Manager on

the production and backup systems. You obtain the version number when you start splitint without parameters.

FMM0163I Enter the password for the user '*user ID*' :

Explanation: The password for the user ID <user ID> has to be entered. It is encoded and stored in a file specified in the parameter CONFIG_FILE. Note that this user ID and password must be the same on the production and backup systems. The IBM Tivoli Storage FlashCopy Manager program splitint uses the user ID to execute a remote shell on the production system.

System action:

User response: Enter the password for the corresponding user ID.

FMM0164I Enter the password for the user '*user ID*' again:

Explanation: To avoid typing errors, you must enter the password twice.

System action:

User response: Enter the password again.

FMM0165I The password entry does not match, please try again.

Explanation: The two entered passwords are not identical. You must enter the password again.

System action:

User response: Enter the password again. You are permitted three attempts before the program terminates.

FMM0166E No password stored.

Explanation: The two entered passwords are not identical. You have tried three times, and the passwords were different in each case.

System action: You must start the splitint program with the function -f password again. If no password is stored, or it is invalid, splitint fails when the 'flashcopy' function is used.

User response:

FMM0167E The config file named '*config_file*' could not be opened. Please call 'splitint' with the function 'password' to create this file.

Explanation: IBM Tivoli Storage FlashCopy Manager is unable to read the configuration file <config_file>.

System action:

User response: This error could have various reasons. Try the following: 1. Call splitint with the 'password' function to create the file. 2. Check the path of the configuration file. The path must be specified in the profile (parameter CONFIG_FILE). 3. Make sure that the file access permissions are set correctly.

FMM0172I Start of listing of exported volume groups/unmounting file systems ...

Explanation: A list of unmount points or exported disk groups is shown. Due to the use of the unmount function on the backup host, IBM Tivoli Storage FlashCopy Manager unmounts the file systems and export volume groups on the backup host that had been imported or mounted when the IBM Tivoli Storage FlashCopy Manager 'flashcopy' function was executed.

System action:

User response: None.

FMM0173I Start of withdraw of the target–source pairs ...

Explanation: The command with a withdraw has been issued from the backup system to the primary Copy Services server for the storage system.

System action:

User response: None.

FMM0177E You cannot run the function '*function*' if the progress status indicator (PSI) has a value of '*psi*'.

Explanation: The backup cycle was left in a state that does not allow IBM Tivoli Storage FlashCopy Manager to start the specified function.

System action:

User response: The documentation shows the permissible functions depending on the backup progress status indicator.

FMM0182E The option –f flashback can only be used on the production system.

Explanation:

System action:

User response:

FMM0183E Topic named '*topicname*' could not be found in the file '*filename*'.

Explanation: IBM Tivoli Storage FlashCopy Manager was able to read the file <filename> but the expected entry for the topic <topicname> was not found.

System action:

User response: If the affected file is in the directory denoted by the parameter VOLUMES_DIR, check whether the topic name has the format: >>> volumes_set_# Where # is a placeholder for the volume set number (1, 2, etc.) If the affected file is another file, you likely have another error prior to this one. Otherwise, contact Tivoli Storage Manager for ERP support.

FMM0184E The source volume <*serial number*> cannot be specified as a target volume in the .fct file.

Explanation: IBM Tivoli Storage FlashCopy Manager found one of the source volumes in the list of target volumes in the init<SID>.fct file.

System action:

User response: Ensure that the target volumes list in init<SID>.fct does not contain any of the source volumes.

FMM0185E No target volumes were specified for the set '*volumes_set_#*' in the file '*filename*'.

Explanation: IBM Tivoli Storage FlashCopy Manager has read file <filename> in the directory specified by VOLUMES_DIR. The format of the file is correct, but the list of target volumes is missing.

System action:

User response: See the description of the target volumes file in the documentation.

FMM0186E The backup ID (timestamp) is empty. This snapshot backup cannot be used for a snapshot restore.

Explanation: Before this error, the warning IDS1041W is displayed. The backup ID (timestamp) is mandatory for using a FlashCopy backup for the restore. The program tsm4acs was not able to generate a timestamp.

System action:

User response: Check for preceding errors. Check whether the backup to Tivoli Storage Manager ended successfully.

FMM0187I Creating a semaphore for the critical part of importing/exporting ...

Explanation: When multiple production systems run a backup via a single backup system at the same time, IBM Tivoli Storage FlashCopy Manager ensures that the critical parts of the code run for a single instance of the program at a time. These phases are: 1. When the FlashCopy has been done and resources (volume groups and file systems) are being enabled 2. Before the FlashCopy relationship is withdrawn and resources (volume groups and file systems) are being disabled. For this synchronization process, a semaphore with the fixed key 0x88886666 is created

System action:

User response: None.

FMM0188I Trying to set the semaphore for the critical part of importing/exporting ...

Explanation: If the IBM Tivoli Storage FlashCopy Manager semaphore is already allocated, the program waits until it is released. Otherwise, the program sets it and pass into the critical part of the run. Another instance arriving at this point now has to wait for the release of the semaphore.

System action:

User response: None.

FMM0189I Semaphore released.

Explanation: After the program has passed the critical part of the run, the semaphore is released.

System action:

User response: None.

FMM0190W The semaphore could not be created. System error *sys_errno*: *sys_message*

Explanation: If IBM Tivoli Storage FlashCopy Manager could not create the semaphore, the system error number and message are issued as a warning. The concurrent run of multiple production systems with a single backup system will not work properly.

System action:

User response: Check the system error number and message with the system administrator.

FMM0191W The semaphore could not be initialized. System error *sys_errno*: *sys_message*

Explanation: If IBM Tivoli Storage FlashCopy Manager could not initialize the semaphore, the system error number and message are issued as a warning. The concurrent run of multiple production systems with a single backup system will not work properly.

System action:

User response: Check the system error number and message with the system administrator.

FMM0192W The semaphore could not be allocated. System error *sys_errno*: *sys_message*

Explanation: If IBM Tivoli Storage FlashCopy Manager could not allocate the semaphore, the system error number and message are issued as a warning.

The concurrent run of multiple production systems with a single backup system will not work properly.

System action:

User response: Check the system error number and message with the system administrator.

FMM0193W The semaphore could not be released. System error *sys_errno***:** *sys_message*

Explanation: If IBM Tivoli Storage FlashCopy Manager could not allocate the semaphore, the system error number and message are issued as a warning. The concurrent run of multiple production systems with a single backup system will not work properly.

System action:

User response: Check the system error number and message with the system administrator.

FMM0196I This is your last chance to stop the Snapshot Restore. Enter 'c[ont]' to continue, 's[top]' to cancel.

Explanation: IBM Tivoli Storage FlashCopy Manager asks the user a last time before the program begins with the restore process. The original data is overwritten with the data of the snapshot backup.

System action:

User response: Be sure that you want to restore from the FlashCopy backup.

FMM0199W One or more errors were found disabling the production system resources.

Explanation: Before the actual snapshot restore to the database volume occurs, IBM Tivoli Storage FlashCopy Manager does the following: 1. Unmounts the database file systems 2. For LVM mirroring: • Remove the mirror copies from the logical volumes • Remove the mirror physical volumes from the volume groups 3. Remove the volume group from the AIX ODM One or more of these operations have ended with errors. IBM Tivoli Storage FlashCopy Manager issues a warning but the snapshot restore continues.

System action:

User response: None.

FMM200E The following remote mirror relationships are not assigned to a consistency group: '*list of rc relations***'.**

Explanation: IBM Tivoli Storage FlashCopy Manager is configured to take the FlashCopy from the remote cluster. However the remote mirror relationships listed in this message are not assigned to a consistency group.

System action: The software process ends.

User response: Add the remote mirror relationships identified in this message to the one unique consistency group containing all the remote relationships.

FMM0201E The NLS catalog could not be loaded. Make sure that the catalog <*fully_qualified_catalog_name***> exists.**

Explanation: DP for Snapshot Devices uses an English NLS catalog for the LVM and storage–system parts of the product. The installation process copies the catalog to the displayed path.

System action:

User response: Check for errors during the installation procedure.

FMM0202E You cannot run the function '*function***' if the restore status indicator (RSI) on target set '***id***' has a value of '***RSI_START***'.**

Explanation: If the restore status RSI of the target set has a value of RSI_START, then a snapshot restore is still running in the background. You cannot start a FlashCopy backup again until the background copy to the database volume is finished. In this case the RSI value is either RSI_DISKONLY or in case of LVM mirroring RSI_DISKANDLVM.

System action:

User response: Wait until the FlashCopy background process is finished.

FMM203E The following Metro or Global Mirror target volumes are in different clusters: '*listOfVdisks***'.**

Explanation: For a remote FlashCopy to be started, IBM Tivoli Storage FlashCopy Manager software requires the Metro Mirror or Global Mirror target volumes to be in the same SVC cluster.

System action: The software process ends.

User response: Move the Metro Mirror or Global Mirror target volumes identified in this message to a unique target SVC cluster.

FMM204E Parameter TAKEOVER_HOST_NAME is required in the storage section of the profile for a restore into the takeover host.

Explanation: For a remote restore on the takeover host to be started, IBM Tivoli Storage FlashCopy Manager software requires the parameter TAKEOVER_HOST_NAME to be specified in the section DEVICE_CLASS of the profile.

System action: The software process ends.

User response: Specify the parameter

TAKEOVER_HOST_NAME in the section DEVICE_CLASS for remote FlashCopy backups using the same value as defined in the storage systems.

FMM0205I The database is now ready for Snapshot.

Explanation:

System action:

User response:

FMM206E The source volumes are in multiple remote consistency groups.

Explanation: The remote FlashCopy cannot start when the source and target volumes are in multiple remote consistency groups.

System action: The software process ends without starting the remote FlashCopy.

User response: Change the relationship between the source and target volumes. For the remote FlashCopy to start, the source and target volumes must be in the same remote consistency group.

FMM207E The following source volumes are either not in a remote mirror relationship or not the master volume: '*list of volumes***'.**

Explanation: IBM Tivoli Storage FlashCopy Manager is configured to take the FlashCopy from the remote cluster. However the volumes listed in this message are not in a remote mirror relationship or they are not the master volume in a relation.

System action: The software process ends.

User response: For the source volumes identified in the message, place the volumes in a remote mirror relationship or define the source volume as the master volume.

FMM208E The state '*cgstate***' of the Metro Mirror consistency group '***cgname***' is not valid for a consistent FlashCopy backup.**

Explanation: For a remote FlashCopy to be started, IBM Tivoli Storage FlashCopy Manager software requires the Metro Mirror consistency group to be in a consistent synchronized state.

System action: The software process ends.

User response: The consistency group that contains the Metro Mirror relationships, between the source and target volumes, should be started before the FlashCopy backup begins. In addition, the Metro Mirror consistency group should be in a consistent synchronized state.

FMM210W The following Global Mirror consistency group is still copying: '*cgname***'.**

Explanation: For a remote FlashCopy to be started, IBM Tivoli Storage FlashCopy Manager software requires the Global Mirror consistency group to be in a consistent synchronized state.

System action: The software process continues.

User response: The consistency group that contains the Global Mirror relationships, between the source and target volumes, should be started before the FlashCopy backup begins. In addition, the Global Mirror consistency group should be in a consistent synchronized state.

FMM211I Waiting '*resttime***' seconds, but not exceeding the value TIMEOUT_FLASH of '***timeout***' seconds ...**

Explanation: For a remote FlashCopy to be started, IBM Tivoli Storage FlashCopy Manager software requires the Global Mirror consistency group to be in a consistent synchronized state. When the consistency group is still copying, IBM Tivoli Storage FlashCopy Manager runs maximal the time specified by the parameter TIMEOUT_FLASH to wait until the consistency group becomes the state 'consistent synchronized'.

System action: None.

User response: None.

FMM0212I New assigned Backup Sequence Number *backup sequence number*

Explanation:

System action:

User response:

FMM0213E **IBM Tivoli Storage FlashCopy Manager does not overwrite the ACS_REPOSITORY** *repository path* **created with Tivoli Storage Manager for Advanced Copy Services as this would invalidate all FlashCopy backups created with Tivoli Storage Manager for Advanced Copy Services. If you specify a different path for parameter ACS_REPOSITORY, you can continue to restore FlashCopy backups created with Tivoli Storage Manager for Advanced Copy Services until the target set is reused by IBM Tivoli Storage FlashCopy Manager. Optionally, you can remove the current ACS_REPOSITORY if it is acceptable to lose FlashCopy backups created with Tivoli Storage Manager for Advanced Copy Services. In either case, backups to Tivoli Storage Manager created by Tivoli Storage Manager for Advanced Copy Services remain available for restore.**

Explanation: The value *repository path* for parameter ACS_REPOSITORY points to a repository that was created by Tivoli Storage Manager for Advanced Copy Services. Backups created with Tivoli Storage Manager for Advanced Copy Services can not be restore with IBM Tivoli Storage FlashCopy Manager.

System action: Processing stops.

User response: Specify a different path for the ACS_REPOSITORY. The backups created with Tivoli Storage Manager for Advanced Copy Services will remain intact and can be restored using Tivoli Storage Manager for Advanced Copy Services. If all the backups created with Tivoli Storage Manager for Advanced Copy Services are no longer required please delete the entire directory and try again.

FMM0214W **The restore status indicator (RSI) has a value of '***RSI_INVALID***' on target set '***id***'.**

Explanation: If the restore status RSI of the target set has a value of RSI_INVALID, this means that a snapshot restore was initiated but did not terminate. Nevertheless, IBM Tivoli Storage FlashCopy Manager issues this warning and continue with the FlashCopy backup.

System action:

User response: Check whether the FlashCopy backup ended successfully.

FMM215E **The state of the Global Mirror consistency group has not become the value 'consistent synchronized' inside the required periode of time.**

Explanation: For a remote FlashCopy to be started, IBM Tivoli Storage FlashCopy Manager software requires the Global Mirror consistency group to be in a consistent synchronized state. When the consistency group is still copying, IBM Tivoli Storage FlashCopy Manager waits, for the maximum amount of time specified by the parameter TIMEOUT_FLASH, for the consistency group to change to the 'consistent synchronized' state. If the consistency group does not change to the 'consistent synchronized' state, this error message is displayed.

System action: The software process ends.

User response: The consistency group that contains the Global Mirror relationships, between the source and target volumes, should be started before the FlashCopy backup begins. In addition, the Metro Mirror consistency group should be in a consistently synchronized state.

FMM216E **The state '***cgstate***' of the Global Mirror consistency group '***cgname***' is not valid for a consistent FlashCopy backup.**

Explanation: For a remote FlashCopy to be started, IBM Tivoli Storage FlashCopy Manager software requires the Global Mirror consistency group to be in a consistent synchronized state.

System action: The software process continues.

User response: The consistency group that contains the Global Mirror relationships, between the source and target volumes, should be started before the FlashCopy backup begins. In addition, the Global Mirror consistency group should be in a consistent synchronized state.

FMM217E **The primary source volume with serial number '***sernumber***' is attached to the local host. A remote backup can only be restored on the takeover host.**

Explanation: Remote restore cannot be performed from the host on the local site. Perform restore from the takeover host on the remote site instead.

System action: The software process ends.

User response: Retry remote restore on the takeover host at the remote site.

FMM0225I **Enabling the volumes and filesystems ...**

Explanation: After the FlashCopy, the target volumes attached to the backup machine are imported in the operating system and the file systems are mounted.

System action:

User response: None.

FMM226E **The following line could not be parsed:** *infile line*

Explanation: The specified line contains a syntax error. It cannot be parsed.

System action: Processing ends.

User response: Correct the syntax on the line and retry the operation.

FMM227E **The address of the datastore '***datastore URL***' is not valid. It is not part of the backup.**

Explanation: The specified datastore that is part of this input file cannot be found. It will not be included in the backup and not be restorable.

System action: Processing continues but the specified datastores will not be included in the backup.

User response: Correct the input file so that it contains a valid datastore URL if this datastore is to be included in the backup.

FMM228E **No virtual machines are available for processing after the input file is evaluated.**

Explanation: After the input file has been evaluated, there are no virtual machines that can be processed.

System action: Processing ends.

User response: Verify that the input file contains all the virtual machines that should be evaluated. Modify your input file so that there are virtual machines to process.

FMM229E **The datastore '***datastore name***' contains LUNs from more than one storage subsystem. IBM Tivoli Storage FlashCopy Manager can support LUNs from only one storage subsystem.**

Explanation: The specified datastore contains LUNs from different storage subsystems.

System action: Processing ends.

User response: Modify the datastore so that it contains only LUNs from one storage subsystem.

FMM230E **The backup type '***backup type***' is not valid.**

Explanation: The specified backup type is not valid.

System action: Processing ends.

User response: Change the value to a valid backup type.

FMM231W **The raw device-mapping disk(s) '***disk names***' of the virtual machine '***VM name***' are excluded from backup. A later restore of the virtual machine is possible, but the restore does not include these disks.**

Explanation: The specified virtual disk(s) of the specified virtual machine are raw device-mapping disks which are not included in the hardware snapshot backup. Hence, a restore of the virtual machine only restores its standard virtual disks but not the raw device-mapping disks.

System action: Processing continues.

User response: The raw device-mapping disks might be re-added manually after the virtual machine has been restored.

FMM232I **Deleting the remote mirror relationships for the consistency group: '***cgname***'.**

Explanation: For a remote FlashCopy backup to be restored into the takeover host, IBM Tivoli Storage FlashCopy Manager software requires to delete the remote copy relationships if the SVC version used is earlier than 6.2.

System action: The software process continues.

User response: None.

FMM233W **For the virtual machine '***VM name***' the backup mode SNAPSHOT_INCL_MEM is changed to SNAPSHOT_EXCL_MEM because it has independent disk(s) attached: '***disk names***'.**

Explanation: In principle, VSphere does not support snapshots including the virtual machine's memory for virtual machines with independent disks attached. However, snapshots excluding the virtual machine's memory are supported. For the specified virtual machine the snapshot mode is changed from including to excluding memory to allow the backup process to proceed.

System action: Processing continues.

User response: A snapshot that excludes the virtual machine's memory is not as consistent as a snapshot that includes the virtual machine's memory. Snapshot consistency also depends on the application and the precautions in place to ensure a consistent state before the backup is performed. As an alternative, the backup mode can be set to SUSPEND.

FMM234W **The raw device-mapping disk(s) '***disk names***' of the virtual machine '***VM name***' were excluded during backup. Thus the restored virtual machine does not include these disks.**

Explanation: The specified virtual disk(s) of the specified virtual machine are raw device-mapping disks that are not included in the snapshot backup. When the virtual machine is restored those are removed from its configuration.

System action: Processing continues.

User response: The raw device-mapping disks might be re-added manually after the virtual machine has been restored.

FMM235I **Stopping the remote mirror relationships for the consistency group: '*cgname*'.**

Explanation: For a remote FlashCopy backup to be restored into the takeover host, IBM Tivoli Storage FlashCopy Manager software requires to stop the remote copy relationships if the SVC version used is 6.2 or higher.

System action: The software process continues.

User response: None.

FMM0236I **Disabling the volumes and filesystems ...**

Explanation: Before the snapshot restore from the backup to the production volumes, the production volumes and file systems are disabled. The following actions are started: • Unmount • Remove devices • Remove logical volumes • Vary off the volume group • Export volume groups.

System action:

User response: None.

FMM237I **Starting the remote mirror relationships for the consistency group: '*cgname*'.**

Explanation: For a remote FlashCopy backup to be restored into the takeover host, IBM Tivoli Storage FlashCopy Manager software requires to stop the remote copy relationships if the SVC version used is 6.2 or higher. After the restore is complete, IBM Tivoli Storage FlashCopy Manager will restart the remote mirror relationships.

System action: The software process continues.

User response: None.

FMM238W **The original resource pool path cannot be found: '*resource pool name*'. The virtual machine '*VM name*' is restored to the root resource pool of the host '*host name*'.**

Explanation: The named virtual machine cannot be associated to the vApp or resource pool. The vApp or resource pool that it was associated to during the backup process is not available at restore time. In the intervening time between backup and restore, the vApp was deleted, renamed, or moved.

System action: Processing continues.

User response: After the restore process is completed, the virtual machine can be reassigned to either the appropriate resource pool or vApp.

FMM239W **The raw device mapped disk(s) '*disk names*' of the virtual machine '*VM name*' were excluded during backup. Thus, they have been removed from the configuration of the attached virtual machine.**

Explanation: The specified virtual disk(s) of the specified virtual machine are raw device mapped disk that are not included in the snapshot backup. When the virtual machine is attached those are removed from its configuration.

System action: Processing continues.

User response: Raw device mapped disks might be re-added manually to the attached virtual machine.

FMM0240E **The parameter HARDWARE_ID_LVM_MIRROR for the target set '*target_set_id*' is set in the .fct–file '*file_name*', but the production logical volumes are not mirrored.**

Explanation: The HARDWARE_ID_LVM_MIRROR parameter should only used in an LVM mirror environment.

System action:

User response: If you want to use this feature you need to mirror the production logical volumes on source volumes residing on different hardware units. Otherwise, remove the parameter HARDWARE_ID_LVM_MIRROR parameter from the .fct file.

FMM0261I **A disk–only backup (option –d) was invoked, forcing the parameter 'FLASHCOPY_TYPE' of the .fcs–file to 'COPY'.**

Explanation: If you specified a disk–only backup via the parameter -d and the parameter 'FLASHCOPY_TYPE' of the .fcs file has the value of NOCOPY, IBM Tivoli Storage FlashCopy Manager sets the value to COPY.

System action:

User response: None.

FMM265W A new background monitor has been started. The currently registered background monitor will shut down now and the new background monitor will be used for further processing.

Explanation: A second background monitor has been registered at the management daemon. Since only one background monitor is allowed to be registered the currently registered background monitor will be shut down now.

System action: The old background monitor will be shut down.

User response: Check your configuration. Only one background monitor should be running.

FMM0266E The storage device <*storage device*> is not supported.

Explanation:

System action:

User response:

FMM267I Adding the remote mirror relationships to the consistency group: '*cgname*'.

Explanation: For a remote FlashCopy backup to be restored into the takeover host, IBM Tivoli Storage FlashCopy Manager software requires to delete the remote copy relationships if the SVC version used is 6.1 or lower. After restore completes, IBM Tivoli Storage FlashCopy Manager adds the remote mirror relationships to the consistency group.

System action: The software process continues.

User response: None.

FMM0268E The information of the source / target volumes could not be found.

Explanation: The executable file 'splitint' is started automatically as a daemon (sometimes referred as the background monitoring process) to monitor the background copy. An attempt to obtain the status of the copy process has failed.

System action:

User response: Check the error log file splitint_[p|b]_runagent_jjjjmmddHHMMSS.log in the directory specified in the parameter LOG_TRACE_DIR of the .fcs file. Check the availability of the storage system using the applicable tool (STORWATCH Specialist, DS Storage Manager, or SVC console). Check the parameters in the .fcs file: • COPYSERVICES_PRIMARY_SERVERNAME • COPYSERVICES_SERVERPORT • COPYSERVICES_USERNAME Also verify the availability of the CIM agent and its connection to the storage system as described in the storage–system documentation.

FMM0281W Warning: Could not connect to the admin assistant.

Explanation:

System action:

User response:

FMM0282E The incremental FlashCopy cannot be refreshed. Possible reasons are: 1. You added a new source volume 2. You tried to start an offline FlashCopy Backup after an online FlashCopy Backup Problem solution: Run the withdraw function with option '–n TargetSetID' and afterwards restart the FlashCopy Backup.

Explanation:

System action:

User response:

FMM0283E The incremental FlashCopy cannot be refreshed. The source/target pairs are not in an incremental FlashCopy relation. Problem solution: Run the withdraw function with option '–n TargetSetID' and afterwards restart the FlashCopy Backup.

Explanation:

System action:

User response:

FMM0285W All source/target pairs are in an incremental FlashCopy relation. DP for Snapshot Devices will override the value '*flashcopy type*' of the parameter FLASHCOPY_TYPE to 'INCR'.

Explanation:

System action:

User response:

FMM0286I All source/target pairs are in an incremental FlashCopy relation.

Explanation:

System action:

User response:

FMM0287I No source/target pairs are in an incremental FlashCopy relation.

Explanation:

System action:

User response:

FMM0288I Not all source/target pairs are in an incremental FlashCopy relation.

Explanation:

System action:

User response:

FMM0309E Cannot read file: *filename*.

Explanation: IBM Tivoli Storage FlashCopy Manager is unable to read the data file <filename>.

System action:

User response: Check the access permissions of the affected file and try again.

FMM0310E Cannot write file: *filename*.

Explanation: IBM Tivoli Storage FlashCopy Manager is unable to write to the data file filename. The affected files could be: • <LOG_TRACE_DIR>/splitint_b_ <date_time_stamp>.log • <LOG_TRACE_DIR>/ splitint_p_ <date_time_stamp>.log • <LOG_TRACE_DIR>/splitint_b_ <date_time_stamp>.trace • <LOG_TRACE_DIR>/ splitint_p_ <date_time_stamp>.trace • <config_file> • <ids_control_file> • the field value EXCHANGE_FILE in a backup cycle record.

System action:

User response: Check the access permissions of the affected file and try again.

FMM0311E Request canceled by user

Explanation: (Oracle) BACKINT terminated at user's request. (DB2) Program terminated at user's request.

System action:

User response: None.

FMM312E The '*datastore name***' datastore is not attached to a host.**

Explanation: The specified datastore is not attached to a host. The current operation cannot continue.

System action: Processing ends.

User response: Exclude the datastore from the current operation or attach it to a host.

FMM0313E Environment variable *env_var* **is not correct!**

Explanation: This error can occur when the environment variable is set but contains a non–existent directory path.

System action:

User response: Check the value of the environment variable and try again.

FMM0314E File not found or not accessible: '*filename***'.**

Explanation: The file <filename> was not found or is not accessible to IBM Tivoli Storage FlashCopy Manager.

System action:

User response: Check path, name and the permissions of the file and try again.

FMM0315E The effective user ID of the process could not be set to the user '*userid***'.**

Explanation: One of the following cases can cause this error: • The access rights for splitint are not set to 4750. Because the s–bit is not set, IBM Tivoli Storage FlashCopy Manager cannot switch between the users 'db2<sid>' and 'root' during the execution of the program. • The file system that splitint is installed in was mounted with the NOSUID option.

System action:

User response: • Check the splitint file in the directory /usr/tivoli/tsm/acssap/db2/x.y.z, and set the access rights for splitint with chmod 4750 splitint. After the installation, the command ls –l splitint.... outputs a line such as: -rwsr–x—— 1 root dba 1918611 Apr 11 17:09 splitint (This is what setup.sh would do if you had used it.) • If the file system that splitint is installed in was mounted with the NOSUID option, mount the file system with SUID allowed.

FMM0318W Warningcolon; File '*file name***' still exists on the backup system.**

Explanation: IBM Tivoli Storage FlashCopy Manager checks at the start of the function flashcopy if any of the files passed in the file list still exist on the backup system. If so, this warning is issued. Normally, none of the files should exist because the withdraw function, which should run before the FlashCopy, unmounts the files systems, varies them offline, exports the volume groups, and removes the devices.

System action:

User response: Always run the function withdraw before starting the FlashCopy again.

FMM0320W The free space in the file system containing the directory *path* is only *amount*MB.

Explanation: The existing free space of the file systems containing the following directories is checked: • The database home directory and • The directory specified by the parameter LOG_TRACE_DIR in the .fcs file and • The directory containing the idssave file specified by the parameter IDS_CONTROL_FILE in the .fcs file. IBM Tivoli Storage FlashCopy Manager warns you if the free space of these file systems falls below 50 MB. If it is under 5 MB an error is issued and the program fails, throwing an exception.

System action:

User response: Ensure that the free space on these file systems is large enough.

FMM0321E IBM Tivoli Storage FlashCopy Manager requires a free space of at least 5 MB in the file system containing the directory *path*.

Explanation: If the free space of the checked file systems (see the explanation for IDS1310W) is under 5 MB this error message is issued and the program fails throwing an exception.

System action: Processing stops.

User response: Ensure that the free space on the database file system is large enough.

FMM0322E The environment variable *env var* could not be set!

Explanation:

System action:

User response:

FMM0323E File '*file*' was not found on the target disks.

Explanation:

System action:

User response:

FMM0324W Environment variable *env var* has value '*value*'.

Explanation:

System action:

User response:

FMM0325E Environment variable *env var* could not be unset! Unset this variable and restart.

Explanation:

System action:

User response:

FMM0326I Environment variable *env var* is successfully unset.

Explanation:

System action:

User response:

FMM0327E Operating system error *error_no*: *message text*

Explanation: IBM Tivoli Storage FlashCopy Manager encountered an unexpected–message error during the execution of a system function. The corresponding operating system error and message text are displayed. The message appears, for example, as a result of • An incorrect user ID on the parameter LOGON_HOST_PROD in the .fcs file • An incorrect password given for the user ID on the parameter LOGON_HOST_PROD in the .fcs file • An incorrect TCP/IP name on the parameter LOGON_HOST_PROD in the .fcs file (for example: connection timeout) • A failure allocating memory using the function malloc, and the operating system cannot satisfy the request

System action:

User response: Check the specified error message.

FMM329E The LUN '*LUN name*' is needed for this operation but cannot be accessed.

Explanation: The specified LUN is required for the current operation but cannot be reached.

System action: Processing ends.

User response: Verify that the LUN is attached to the ESX host and that the connection is working correctly.

FMM330E The datastore with the name '*datastorename*' was not found. It is not part of the backup.

Explanation: The specified datastore could not be found but it is part of the input file. It will not be included in the backup and not be restorable.

System action: Processing continues but the specified datastores will not be included in the backup.

User response: Correct the infile so that it contains valid datastore names if this datastore is to be included in the backup.

FMM0331I The file '*filename*' is locked, waiting one second and retry!

Explanation: IBM Tivoli Storage FlashCopy Manager saves control information for the FlashCopy process in an internal repository that consists of several files. Some of these files may need to be written concurrently by several processes. To ensure consistency, IBM Tivoli Storage FlashCopy Manager uses a lock mechanism.

System action:

User response: None.

FMM0332I Suspend the database activity.

Explanation:

System action:

User response:

FMM0340I The following backup items were not assigned to corresponding snapshot items: *backup_items*

Explanation: Backup items are storage elements such as LUN identifiers on storage area network (SAN) or network share paths on network-attached storage (NAS). Backup items are identified by Tivoli Storage FlashCopy Manager OS agent "acsgen" and are based on the backup procedure of the application that requests the backup or restore operation. A snapshot item is the smallest entity identifiable in a snapshot. Backup items either all or a subset are assigned to the corresponding snapshot items. A subset is assigned in an AIX LVM mirroring or Oracle ASM environment.

System action: None.

User response: Processing continues..

FMM0341W The status information for the *fsname* **file system cannot be read. The following error message was generated by the operating system:** *txtmsg***.**

Explanation: The system call "stat" was not successful because of a specific error message.

System action: None.

User response: Evaluate the operating system-specific warning message to resolve the problem.

FMM0347E The update of the IDS repository failed.

Explanation: IBM Tivoli Storage FlashCopy Manager failed to update the backup or restore status indicator (BSI/RSI) during the monitoring of the background copy process.

System action:

User response: Check the traces for details about this failure. One possible cause is a full file system.

FMM348E The following auxiliary vdisk: '*aux vdisk*' is mapped to host '*host name*'. It should be mapped to takeover host '*takeover host*' only.

Explanation: Auxiliary vdisks should be mapped only to takeover host and not to any other hosts.

System action: The software process ends.

User response: Remove all host maps for the auxiliary vdisks except the host map to the takeover host.

FMM0349E The target set '*targetSetID*' does not match the source volumes.

Explanation: IBM Tivoli Storage FlashCopy Manager checks whether the target set for the FlashCopy backup contains a target volume for each source volume, located in the same hardware unit and with the same size.

System action:

User response: Check the volume list of this target set and ensure that the volumes are in the same hardware unit and have the same size as the source.

FMM0350E A background copy process of type '*CopyType*' is still running on target set '*targetSetID*'.

Explanation: IBM Tivoli Storage FlashCopy Manager fails if a background copy is still running for the same logical FlashCopy group (see the documentation). However, any target set (state AVAILABLE) that does not yet belong to a logical FlashCopy group (state AVAILABLE) can be selected.

System action:

User response: Check the backup status of the FlashCopy backups that may be running.

FMM0351I The target set with ID '*targetSetID*' is selected for this run.

Explanation: IBM Tivoli Storage FlashCopy Manager use two procedures for the selection of a target set.

System action:

User response: None.

FMM0352E No target set found to accept a backup of type '*copy_type*'.

Explanation: If all the target sets are being used with the same type of logical FlashCopy group (either INCR or COPY), you will not find a target set to make a FlashCopy with a different copy type.

System action:

User response:

FMM0353E Background copy process on the oldest target set '*target set*' still running.

Explanation:

System action:

User response:

FMM0354E The copy type argument '*copy_type*' is not valid.

Explanation: The argument (FLASHCOPY_TYPE) of the command line option –C <FLASHCOPY_TYPE> can have the following values: COPY, NOCOPY and INCR. Any other value is not valid. Furthermore, INCR is only valid for an SVC configuration with version 4.2.1 of the SVC master console.

System action:

User response: Specify one valid value.

FMM0355E Unable to connect to the copy services server '*csname*'.

Explanation: For a FlashCopy backup to be taken, IBM Tivoli Storage FlashCopy Manager software requires to connect to the storage system using the parameter COPYSERVICES_PRIMARY_SERVERNAME for a local backup and COPYSERVICES_REMOTE_SERVERNAME for a remote backup.

System action: Processing ends.

User response: Ensure to have LAN connection between the host running the IBM Tivoli Storage FlashCopy Manager software and the copy services storage server.

FMM0356E You cannot run a Snapshot restore from target set '*targetSetID from*' if the sources are involved in a relationship of type '*copytype*' with the target set '*targetSetID*'.

Explanation: IBM Tivoli Storage FlashCopy Manager exploits the feature ?Multiple Relationship FlashCopy? of the storage system. This means that for IBM Tivoli Storage FlashCopy Manager the source set of volumes can participate in multiple snapshot relationships with several target sets of volumes. However, there are some limitations: • A source can have up to 12 targets • A target can only have one source • A target cannot be a source at the same time

System action:

User response: To start a snapshot restore (in reverse, from the target to the source volumes) you have to withdraw the relationship with the specified target set.

FMM0357I FlashCopy type is '*copy_type*'.

Explanation: IBM Tivoli Storage FlashCopy Manager has detected a discrepancy in the FlashCopy specification.

System action:

User response: None.

FMM0358E An invalid value '*copy_type*' has been specified for the FlashCopy type in the profile '*.fcs file*'.

Explanation: The parameter FLASHCOPY_TYPE of the IBM Tivoli Storage FlashCopy Manager profile (.fcs file) can have the following values: COPY, NOCOPY and INCR. Any other value is not valid. INCR is only valid for an SVC configuration starting with version 4.2.1 of the SVC master console.

System action:

User response: Specify one valid value.

FMM0361E The target set must be specified over the option –n, if the parameter EXTERNAL_LVM_PLUGIN is set.

Explanation:

System action:

User response:

FMM364E Parameter '*parameter* ' is mandatory.

Explanation: The specified parameter is missing.

System action: Processing ends.

User response: Specify the named parameter.

FMM365E The data center with the name '*dcname*' was not found.

Explanation: The specified data center could not be found in the vCenter server.

System action: Processing ends.

User response: Specify a valid datacenter in the infile defining the domains.

FMM366E The following line in the domain input file could not be parsed: '*inputline*'.

Explanation: The input file defining the domains contains unexpected keywords.

System action: Processing ends.

User response: Verify the format of the input file defining the domains.

FMM367I **The scope is being limited to the following data center(s): '*dcnames*'.**

Explanation: The input file defining the domains is being used. It limited the snapshot process to the scope of these data centers.

System action: Processing continues.

User response: None.

FMM368I **Stopping the consistency group '*cgname*' and all its older dependents.**

Explanation: Usually IBM Tivoli Storage FlashCopy Manager re-uses the oldest set of target volumes for the backup. However if for some reason it is not the case, IBM Tivoli Storage FlashCopy Manager will stop all the older FlashCopy mappings than the one been used to avoid that the space-efficient volumes grow up to its defined virtual size.

System action: Processing continues.

User response: None.

FMM0378E **The value of the parameter '*parameter_name*' in the device section of the profile is invalid.**

Explanation: This message is displayed when an invalid value is found for one of the parameters of the device section of the profile.

System action:

User response: Change the value according to the values explained in the section Parameters of the IBM Tivoli Storage FlashCopy Manager.

FMM0384W **The parameter IGNORE_LVM_MIRROR_CHECK_ ERROR is set to YES. All errors on AIX LVM mirroring checking will be ignored.**

Explanation:

System action:

User response:

FMM0389E **Errors occurred during the deletion of one (or more) backups.**

Explanation: One (or more) backups that were specified to be deleted could not be deleted.

System action: Processing ends.

User response: Review the preceding error messages for information about how to resolve this issue.

FMM390E **The virtual machines with the specified instance UUIDs have not been found in the backup. Update the input file with valid instance UUIDs. Listing missing UUIDs:** *instance uuids*

Explanation: Virtual machines with the instance UUIDs specified in the input file were not found in the backup.

System action: Processing ends.

User response: Replace the instance UUIDs in the input file with valid values.

FMM391E **The '*datastore name*' datastore could not be attached to the '*hostname*' host. Please look up the message user response in the users guide for a step-by-step guide how to solve this problem.**

Explanation: The specified datastore could not be attached to the specified host. Please look up the message user response in the users guide for a step-by-step guide how to solve this problem.

System action: Processing ends.

User response: Open the "Add datastore" wizard in the vSphere Clients "Datastores" view. Select the ESX host which was specified in the raised error message. Select "Disk/LUN" on the next page. On the "Select Disk/LUN" page select a disk whose VMFS Label column contains the datastore name as specified in the raised error message. On the next page select "Format the disk". This will erase the backup contained on this target disk! Specify an arbitrary datastore name on the "Properties" page. It will be overwritten by the next FCM backup. Finish the wizard. Repeat this for all disks whose VMFS Label column contains the datastore name as specified in the raised error message. A new FCM backup can be performed afterwards.

FMM392E **The '*datastore name*' datastore could not be attached.**

Explanation: The specified datastore could not be attached.

System action: Processing ends.

User response: Contact IBM support.

FMM393E **The target instance UUID '*target instance uuid*' specified in the input file cannot be found. Add a valid target instance UUID to the input file.**

Explanation: The target instance UUID specified in the input file was not found.

System action: Processing ends.

User response: Specify a valid target instance UUID.

FMM394E Redirected restores are not allowed for distributed virtual machines. The virtual machine '*VM name*' spans multiple datastores and is distributed. Do not specify a target VM name or a target datastore for the restore operation.

Explanation: Redirected restores are not allowed for distributed virtual machines. The specified virtual machine spans multiple datastores and is thus distributed. Please do not specify a target VM name or a target datastore for the restore operation.

System action: Processing ends.

User response: Do not specify a target VM name or target datastore for the restore operation.

FMM0395E This license does not allow to use LVM mirrors.

Explanation: The use of DB2 ACS or IBM Tivoli Storage FlashCopy Manager in an LVM mirror environment requires the extended license of IBM Tivoli Storage FlashCopy Manager. Starting with V5.5, the DB2 version of IBM Tivoli Storage FlashCopy Manager (DP for Snapshot Devices) is a licensed, functionally enhanced version of the DB2 Advanced Copy Services (DB2 ACS) product initially provided with DB2 Enterprise V9.5. Conversely, DB2 Advanced Copy Services can be regarded as a functionally restricted version of IBM Tivoli Storage FlashCopy Manager.

System action:

User response: Contact IBM Tivoli support to acquire the required license.

FMM0396E This license does not allow to use JFS file systems.

Explanation: During a snapshot backup run, IBM Tivoli Storage FlashCopy Manager detected that at least one file system is of type JFS. Because JFS file systems need to be verified on the offload system by the IBM Tivoli Storage FlashCopy Manager device agent running with the -force mount– (–F) option, the IBM Tivoli Storage FlashCopy Manager product must be installed and licensed. The current snapshot backup run is deleted.

System action:

User response: Install and license IBM Tivoli Storage FlashCopy Manager or change all file systems to type JFS2 and restart the snapshot backup.

FMM0397E You cannot freeze filesystems of type JFS.

Explanation: This message may indicate, for example, that profile parameter LVM_FREEZE_THAW is set to YES but at least one of the file systems involved is a JFS file system. The freeze/thaw feature is only available for JFS2 file systems. It is used to suspend all I/O on the file systems while taking a snapshot of them. JFS file systems do not support the freeze/thaw feature. Therefore, the parameter LVM_FREEZE_THAW is not allowed to be YES if any JFS file systems are used.

System action:

User response: There are two options to resolve this problem: 1. If you need to use JFS file systems, you must explicitly set the profile parameter LVM_FREEZE_THAW to NO in the CLIENT section of the profile. 2. Move the data from the JFS file systems to JFS2 file systems. The profile parameter LVM_FREEZE_THAW can then be set to YES.

FMM0398E Consistency group *cgname* is not valid (state: *status*) to perform a FlashCopy restore.

Explanation: IBM Tivoli Storage FlashCopy Manager function restore requires the FlashCopy consistency group to be in an Idle_Or_Copied or Copying state in order to be valid for restore.

System action: Processing ends.

User response: Try the restore operation again using a different backup version.

FMM0399W Timestamp –>*timestamp*<– cannot be converted.

Explanation: The status of the background copy is written by the background monitoring process daemon to a file named fc_exchange.'bseq_number' in the directory that contains the IDSAVE specified by the parameter IDS_CONTROL_FILE. The file fc_exchange.'bseq_number' has, for each volume pair, the entry 'volume_pair: target source size state YYYY–MM–DD–HH.MM.SS YYYY–MM–DDHH. MM.SS rate', where: • target is the serial number of the target volume • source is the serial number of the source volume • state can be 'active' if the background copy is running or ' none' if the background copy is finished • YYYY–MM–DD–HH.MM.SS represents approximate times for the start and end of the background process (in seconds since 00:00:00 GMT, January 1, 1970, which is the time standard the operating system uses) • rate is the transfer rate within the storage system To calculate the transfer rate some conversion is needed. When doing this conversion, an error occurred. The rate value is invalid.

System action:

User response: Check the date and time setting of the machine.

FMM0400I **The process is waiting for BRBACKUP.**

Explanation: The process is waiting for BRBACKUP to set a table space in the begin/end backup mode.

System action:

User response: None.

FMM401I **The '***original VM name***' virtual machine has been registered with the new name, '***new name***'.**

Explanation: The specified virtual machine in the backup has been made available with the specified new name.

System action: Processing continues.

User response: No action is required.

FMM402I **The '***datastore name***' datastore with the new datastore name '***new datastore name***' was successfully attached to the '***ESX host name***' ESX host.**

Explanation: A datastore from the backup has been made available on the specified ESX host.

System action: Processing continues.

User response: No action is required.

FMM403I **All the virtual disks (exclusive of RDM disks) on the virtual machine '***source vm name***' are attached to the target virtual machine '***target vm name***'.**

Explanation: All virtual disks (exclusive of RDM disks) of the specified virtual machine have been attached to the specified target virtual machine.

System action: Processing continues.

User response: No action is required.

FMM404I **The virtual disks on the virtual machine '***source virtual machine name***' with the disk keys '***diskkeys***' are attached to the target virtual machine '***target virtual machine name***'.**

Explanation: The specified virtual disks of the specified virtual machine have been attached to the specified target virtual machine.

System action: Processing continues.

User response: No action is required.

FMM0405I **The process waited *num_sec* seconds for BRBACKUP in util_file_online communication.**

Explanation: This message indicates the total amount of time the process waited for BRBACKUP to set a table space in "begin backup" or "end backup" mode. The wait time given is the sum of the wait times for all table spaces participating in the backup.

System action:

User response: None.

FMM406W **The '***vm name***' virtual machine is a distributed VM because the '***virtual disk name***' disk is located in the '***disk directory***' datastore directory, which is not the '***working directory***' VM working directory.**

Explanation: One of the disks within the virtual machine is in a directory that is not the working directory.

System action: Processing continues.

User response: Be aware that the limitations of virtual machines spanning multiple datastores apply.

FMM407E **The maximum number of SCSI targets for a virtual machine is exceeded.**

Explanation: All SCSI targets are in use.

System action: Processing ends.

User response: Remove some SCSI targets.

FMM408E **The disks with the '***diskkeys***' disk keys cannot be found in the backup and are not attached.**

Explanation: The specified disk keys cannot be found in the backup and are not attached.

System action: Processing ends.

User response: Specify valid diskkeys.

FMM409E **There is not enough free space available in the '***datastore name***' target datastore to complete this operation.** ***space needed*** **is required to complete this operation.** ***space available*** **is free.**

Explanation: Not enough free space is available in the specified target datastore.

System action: Processing ends.

User response: Choose another target datastore or make more space available in the specified datastore.

FMM0410E Cannot open or delete switch file '*file name*'. Check permissions.

Explanation: If Data Protection for SAP is not installed correctly (as the root user on UNIX or Linux or administrator group on Windows) then Data Protection for SAP is not able to open the necessary communication file to the SAP system.

System action:

User response: Check the file permission.

FMM0411E Maximum time waiting for BRBACKUP expired.

Explanation: The SAP database utilities did not respond within the expected time.

System action:

User response: Contact your SAP administrator.

FMM0412E BRBACKUP wasn't able to switch requested tablespace in BEGIN/END BACKUP mode.

Explanation: Data Protection for SAP could not continue the backup, because BRBACKUP was not able to switch the requested table space in BEGIN or END backup mode. This is necessary for locking the table space.

System action:

User response: Contact your SAP administrator.

FMM0413E Error while requesting tablespace switch.

Explanation: BRBACKUP could not switch table space in BEGIN or END backup mode.

System action: Contact your SAP administrator.

User response:

FMM0414E Error while requesting tablespace switch.

Explanation: BRBACKUP reported an error while trying to switch a table space in BEGIN or END backup mode.

System action:

User response: Contact your SAP administrator.

FMM415E The '*datastore name*' datastore cannot be found. In the input file the named datastore is specified as a target datastore for the restore operation.

Explanation: The specified datastore has not been found but is needed as a target datastore for the restore operation. A backup with the specified ID cannot be found.

System action: Processing ends.

User response: Specify a valid target datastore in the input file.

FMM416E The '*vm name*' virtual machine could not be restored to the '*target datastore*' datastore using '*target vm name*' VM name. A VM with the same name already exists in the datastore.

Explanation: The specified virtual machine could not be restored because another virtual machine with the same name already exists in the target datastore.

System action: Processing ends.

User response: Specify another target datastore or delete the existing virtual machine in the specified datastore.

FMM417I The '*source vm name*' virtual machine is successfully restored to the '*datastore names*' datastore(s) and registered with the name '*registered vm name*'.

Explanation: The specified virtual machine has been successfully restored to the specified datastores.

System action: Processing continues.

User response: No action is required

FMM418I The attached virtual disk with the '*disk key*' key is successfully detached from the '*virtual machine name*' virtual machine.

Explanation: The attached virtual disk with the specified key has been successfully detached from the virtual machine with the specified name.

System action: Processing continues.

User response: No action is required.

FMM419E The configured vCenter server supports the '*found API version*' API version. The requested operation is available since the '*needed API version*' API version and is not supported by the configured vCenter server.

Explanation: The requested operation is not available in the API version supported by the vCenter server.

System action: Processing ends.

User response: The requested operation cannot be used with this vCenter server. If this operation is needed you must upgrade the API.

FMM420E **The '*ESX hostname*' ESX host supports the '*found API version*' API version. The requested operation is available since the '*needed API version*' API version and is not supported by the ESX host.**

Explanation: The requested operation is not available in the API version supported by the specified ESX host.

System action: Processing ends.

User response: The requested operation cannot be used with this ESX host If this operation is needed you must upgrade the API.

FMM421E **The restore operation cannot be completed because the '*vm name*' virtual machine with '*vm instance uuid*' instance UUID is not powered off.**

Explanation: The restore operation cannot be completed because the specified virtual machine is not powered off.

System action: Processing ends.

User response: Power off the specified virtual machine.

FMM422E **A virtual disk was not found for the '*diskkey*' disk key as specified in the input file.**

Explanation: No virtual disk was found for the specified disk key.

System action: Processing ends.

User response: You must specify a valid diskkey.

FMM423I **The '*diskname*' virtual disk on the '*virtual machine name*' virtual machine was successfully restored.**

Explanation: The specified virtual disk was successfully restored.

System action: Processing continues.

User response: No action is required.

FMM0424I **Start Snapshot** *backup destination backup type sid host productive host backup host list sid list*

Explanation:

System action:

User response:

FMM0425I *flashcopy type* **Start Snapshot background copy**

Explanation:

System action:

User response:

FMM426W **The following virtual machine question has been answered to with '*answer*':** *question*

Explanation: The specified question has been answered with the specified value.

System action: Processing continues.

User response: Nothing

FMM0427I **Stop Snapshot background copy**

Explanation:

System action:

User response:

FMM0428I **Start Withdraw**

Explanation:

System action:

User response:

FMM0429I **Stop Withdraw**

Explanation:

System action:

User response:

FMM0430I **Enabling the volumes and filesystems finished**

Explanation:

System action:

User response:

FMM431E **One or more vmware snapshot operations failed.**

Explanation: The snapshot operation for one or more virtual machines failed.

System action: Processing ends.

User response: Verify the log for preceding error messages containing the specific name of the virtual machines involved and the description of the error.

FMM432E **The vmware snapshot operation for the virtual machine with instance uuid '*instance uuid*' failed: '*error*'.**

Explanation: The snapshot operation failed on the specified virtual machine.

System action: Processing ends.

User response: Check the error message.

FMM433W **The vmware power on operation for the virtual machine '*vmref*' failed: '*error*'.**

Explanation: The operation power on after the power off for the purpose of taking a snapshot failed on the specified virtual machine.

System action: Processing continues.

User response: Check the vmware specific error message.

FMM434W **The remove operation of the vmware snapshot '*snapref*' failed: '*error*'.**

Explanation: The snapshot remove operation failed.

System action: Processing continues.

User response: Check the vmware specific error message.

FMM435E **The virtual machine '*VM name*' can not be restored because the backup is in use by an offloaded TSM backup. The restore of a distributed VM is not allowed if an offload TSM backup is in progress. Wait until the offload backup is complete.**

Explanation: The restore of a distributed VM is not allowed if an offload TSM backup is in progress. Wait until the offload backup is complete.

System action: Processing ends.

User response: Wait until the offload backup is complete.

FMM436E **The virtual machine '*VM name*' could not be restored because the backup is already in use by an other VM. The restore of a distributed VM is not allowed if the mounted datastore is already in use by a VM. Detach this backup. Try the operation again.**

Explanation: The restore of a distributed VM is not allowed if the mounted datastore is already in use by a VM. Detach this backup. Try the operation again.

System action: Processing ends.

User response: Detach this backup. Try the operation again.

FMM437E **The virtual disks cannot be added or replaced on the '*vm name*' virtual machine with '*vm instance uuid*' instance UUID identifier. The specified virtual machine is suspended.**

Explanation: The resource configuration of a virtual machine cannot be modified while it is suspended.

System action: Processing ends.

User response: Resume the specified virtual machine then try again.

FMM438E **The virtual disks cannot be removed from the '*vm name*' virtual machine with '*vm instance uuid*' instance UUID identifier. The specified virtual machine is suspended.**

Explanation: The resource configuration of a virtual machine cannot be modified while it is suspended.

System action: Processing ends.

User response: Resume the specified virtual machine then try again.

FMM439W **The vmware snapshot operation for the virtual machine with instance uuid '*instance uuid*' failed: '*error*'. The backup of this virtual machine will be crash consistent only.**

Explanation: The vmware snapshot operation failed on the specified virtual machine.

System action: Processing continues.

User response: Check the error message.

FMM451E **The disk with the '*diskkeys*' disk key is a raw device-mapping disk which must not be attached.**

Explanation: The specified disk is a raw device-mapping disk which must not be attached to another virtual machine.

System action: Processing ends with error.

User response: Specify only diskkeys that represent standard virtual disks.

FMM0452E **This version of Data Protection for SAP(R) has expired.**

Explanation: This is a test version that has expired.

System action:

User response: Order a release version of the product

or contact your IBM/Tivoli Sales Representative.

FMM0453W This version of Data Protection for SAP(R) will expire in *number* days.

Explanation: This is a test version with a time limit. It will expire in *number* days.

System action:

User response: Order a release version of the product or contact your IBM/Tivoli Sales Representative before the version expires.

FMM0454I * This copy is NOT FOR RESALE. ***

Explanation: This version is not for resale.

System action:

User response: None.

FMM0455E License file *file name* does not exist.

Explanation: The license file agent.lic was not found where expected.

System action:

User response: Make sure that the agent.lic file resides in the same directory as the init<SID>.utl file.

FMM0456E Unable to access license file *file name*.

Explanation: The license file could not be accessed.

System action:

User response: Make sure the access permissions allow read/write access.

FMM0457E License file *file name* contains invalid data/checksum.

Explanation: The license file is invalid.

System action:

User response: Make sure you have the right agent.lic file for the right platform installed. agent.lic files are platform dependent.

FMM0458I Fake–Mode is activated.

Explanation: This message signals that the current operation is a simulated operation. Simulations can be performed using the Administration Assistant.

System action:

User response: None.

FMM459E One or more suspend operations failed.

Explanation: One or more suspend operations failed.

System action: Processing ends.

User response: Check preceding error messages.

FMM0460E No mux file is found with the name *name*

Explanation: A mux file is a data structure holding internal metadata needed for restore puposes. Each backup image gets a mux file assigned.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM0461I Created tracefile '*tracefile*' for process ID '*id*'.

Explanation: The named trace file has been created.

System action:

User response: None.

FMM0503E Unexpected error occurred.

Explanation: An unexpected error occurred.

System action: Processing ends.

User response: Gather information from the trace file and log file and contact your IBM service representative.

FMM504I A software snapshot including memory is created of the '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID.

Explanation: A software snapshot including memory is created of the specified virtual machine.

System action: Processing continues.

User response: No action is required.

FMM505I A software snapshot excluding memory is created of the '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID.

Explanation: A software snapshot excluding memory is created of the specified virtual machine.

System action: Processing continues.

User response: No action is required.

FMM506I **The '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID is suspended.**

Explanation: The specified VM is suspended.

System action: Processing continues.

User response: No action is required.

FMM507I **The software snapshot of the '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID is removed.**

Explanation: The software snapshot of the specified virtual machine is removed.

System action: Processing continues.

User response: No action is required.

FMM508E **The '*vm name*' virtual machine might be the virtual machine containing IBM Tivoli Storage FlashCopy Manager and cannot be part of the backup. Rename it or specify the virtual machine containing IBM Tivoli Storage FlashCopy Manager in the '*profile parameter name*' profile parameter in the profile.**

Explanation: The virtual machine that contains IBM Tivoli Storage FlashCopy Manager cannot be part of a backup. The specified virtual machine might contain IBM Tivoli Storage FlashCopy Manager.

System action: Processing ends.

User response: Rename the specified virtual machine or add the name of the IBM Tivoli Storage FlashCopy Manager virtual machine to the profile.

FMM0509E **More than one instance of this executable are running now.**

Explanation: You have to wait until previous backup is done before you can run this backup.

System action: Processing ends.

User response: Wait until previous backup is done and try again.

FMM0510E **acsgen has to be started from the CLI with the required '-D' parameter.**

Explanation: acsgen requires the '-D' parameter to start.

System action: Processing fails.

User response: Retry the operation using the '-D' parameter.

FMM0511I **====>Performing IBM Tivoli Storage FlashCopy Manager *v1* command.**

Explanation: This message is displayed starting the speicified function (BACKUP, WITHDRAW or RESTORE) of DP for Snapshot Devices.

System action: None.

User response: None.

FMM512E **The virtual machine containing the vCenter server cannot be part of the backup. The '*vm name*' virtual machine is part of the backup but it is specified as the vCenter server virtual machine in the '*profile parameter name*' parameter in the profile.**

Explanation: The virtual machine specified in the profile as vCenter server virtual machine has been found to be part of the backup.

System action: Processing ends.

User response: Rename the specified virtual machine or change the specified name of the vCenter server virtual machine in the profile.

FMM513E **The '*vm name*' virtual machine might be the virtual machine containing the vCenter server and cannot be part of the backup. Rename it or specify the virtual machine containing the vCenter server in the '*profile parameter name*' profile parameter in the profile.**

Explanation: The specified virtual machine is suspected to contain the vCenter server and can thus not be part of the backup.

System action: Processing ends.

User response: Rename the specified virtual machine or add the name of the vCenter server virtual machine to the profile.

FMM514E **The virtual machine that contains IBM Tivoli Storage FlashCopy Manager cannot be part of the backup. The '*vm name*' virtual machine is part of the backup but it is specified as the virtual machine containing IBM Tivoli Storage FlashCopy Manager in the '*profile parameter name*' parameter in the profile.**

Explanation: The virtual machine specified in the profile as IBM Tivoli Storage FlashCopy Manager is part of the backup.

System action: Processing ends.

User response: Rename the specified virtual machine or change the specified name of the IBM Tivoli Storage

FlashCopy Manager virtual machine in the profile.

FMM0515E Filesystem consistency check failed.

Explanation: Filesystem consistency check on the filesystems processed by Flashcopy failed. This means that there were some inode changes on the filesystem when executing DP for Snapshot Devices backup on the production system.

System action: Please ensure that you do not make any changes to the production system during FlashCopy backup, that may cause changes to the inodes on the database filesystems. This will result in inconsistency in the database filesystems being processed by Flashcopy. Examples of operations resulting in inode changes are: When a file is created or deleted. When a write() call occurs to a file opened with O_SYNC and the write causes a new disk block allocation. When fsync() or sync() functions are called. When a write causes an indirect or double-indirect block to be allocated. Another way to get around this problem is to use raw logical volumes for your databases.

User response: Please execute the backup command again.

FMM0516E The initialization of the ODM API failed with ODM error number *odmerrno***:** *description***.**

Explanation: IBM Tivoli Storage FlashCopy Manager uses the ODM API library for the logical volume manager. The specified error occurred when trying to initialize this library.

System action: Processing stops.

User response: Validate the specific error description.

FMM0517E Failed to get the ID of the volume group *vgname* **using the AIX command:** *command***.**

Explanation: IBM Tivoli Storage FlashCopy Manager uses the displayed command to get the volume group ID. The command failed.

System action: Processing stops.

User response: Check the state of the AIX ODM and of the volume group. Run this command from the AIX command line.

FMM0518E Failed to get the ID of the logical volume *lvname* **using the AIX command:** *command***.**

Explanation: IBM Tivoli Storage FlashCopy Manager uses the displayed command to get the logical volume ID. The command failed.

System action: Processing stops.

User response: Check the state of the AIX ODM and of the logical volume. Run this command from the AIX command line.

FMM0519E The volume with the serial ID *serialid* **is not assigned to the backup host.**

Explanation: IBM Tivoli Storage FlashCopy Manager imports the data from the target set volumes into the backup system. This requires the SAN to assign the volumes to the backup host.

System action: Processing stops.

User response: Make sure the target storage volumes are assigned to the backup host.

FMM0520W Trying to find the process that has locked the ODM ...

Explanation: IBM Tivoli Storage FlashCopy Manager checks whether the AIX ODM is locked by other processes on the host prior to making persistent changes.

System action: Processing continues.

User response: None.

FMM0521I Waiting the maximum *seconds* **seconds until the ODM lock is released by another application.**

Explanation: IBM Tivoli Storage FlashCopy Manager will retry to lock the ODM after the specified time.

System action: Processing continues.

User response: None.

FMM0522E The storage system ID could not be found for the volume *volume***.**

Explanation: IBM Tivoli Storage FlashCopy Manager was not able to find the storage ID for the specified volume.

System action: Processing stops.

User response: Use the GUI or the command line to verify that the volume exists.

FMM0523E The file systems needed for the mount operation are missing.

Explanation: IBM Tivoli Storage FlashCopy Manager was not able to find the file systems in the local repository.

System action: Processing stops.

User response: Use the inquire function to verify the state of the backup to be mounted.

FMM0524E The *pathname* directory path or fully qualified file name was not found in any of the current active file systems.

Explanation: The backup process cannot find the specific path from the list of files or directories that is specified when you start the backup operation.

System action: Processing ends..

User response: Use the OS shell commands to check the status of this path. Ensure that the underlaying file system is mounted and try the operation again.

FMM0539E Either Oracle control file or redo log file is in the same volume group (*v1*) with which Oracle datafiles are.

Explanation: Either Oracle control file or redo log file is in the same volume group with Oracle datafiles.

System action: Processing ends.

User response: Make sure you don't have control files and redo log files in the same volume group with Oracle datafiles.

FMM0540E A null logical volume has been detected.

Explanation: A null logical volume was detected.

System action: Processing ends.

User response: Verify the target database information is specified correctly in the Setup File.

FMM0543I Mounting filesystem : *fs1*.

Explanation: Currently attempting to mount the file system.

System action: None.

User response:

FMM0544E Serial number for the device *v1* is not found.

Explanation:

System action: Processing ends.

User response:

FMM0545I Trying to find new devices to match the source device. This process will take some time.....

Explanation: Currently trying to find a target device to match with the source device.

System action: None.

User response:

FMM0546I Removing device : *parm1*

Explanation: DP for Snapshot Devices will remove the logical devices from the Device Configuration database (ODM) on the backup system after the backup ended and prior to the withdraw of the relationships of the volumes.

System action: None.

User response:

FMM0547I Configuring the target volume would cause duplicate physical volume ID : *pvid1*.

Explanation: A different set of target volumes that were previously associated with the same source volumes was detected.

System action: Processing ends.

User response: Perform one of the following: Delete the disk on the backup system only: 1. find the disk using the AIX lspv command 2. run smitty and choose the following from the menu: devices- fixed disk- remove a disk- select the disk to be removed 3. press return Clear the pvid of each physical volume hdisk by issuing the aix chdev command with the following arguments:chdev -1 (hdisk#) -a pv=clear

FMM0548E Removing device *parm1* failed.

Explanation: DP for Snapshot Devices will remove the logical devices from the Device Configuration database (ODM) on the backup system after the backup ended and prior to the withdraw of the relationships of the volumes. The rmdev command failed.

System action: Processing ends.

User response: Check the specific error message. Consult the AIX system documentation. Check if the device is member of one active volume group. Check for proceeding errors.

FMM0549W Removing the mount point directory *mntpt1* failed with rc: *rc1*.

Explanation: An error occurred while trying to remove a mount point. Processing continues.

System action: Processing continues.

User response:

FMM0550E The physical volume ID *pvid1* is duplicate on the production machine.

Explanation: The output of the command lspv shows that two logical devices (hdisk/vpath) have the same physical volume id.

System action: Processing ends.

User response: Perform one of the following: a) If the hdisks with the same pvid belong to the same multipath, convert the hdisk device volume group to a Subsystem Device Driver vpath device volume group. b) If the problem is the result of a corrupt ODM, consult the AIX Troubleshooting documentation c) If the physical volume involved neither belongs to a volume group nor it contains file systems to be imported in the future, then you can clear the pvid by issuing the aix chdev command with the following arguments:chdev -l hdisk# -a pv=clear

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FMM0551W The umount command failed with rc *rc1* for mount point *mntpt1*.

Explanation: An error occurred while trying to remove a mount point. Processing continues.

System action: Processing continues.

User response:

FMM552E A backup with the '*backup_id*' ID cannot be found.

Explanation: No backup with this ID exists.

System action: Processing ends.

User response: Specify a valid backup ID. Valid backup IDs can be obtained by the inquire command.

FMM0553E Failed to suspend I/O on a logical volume device with errno *errno* for logical volume: *lv*.

Explanation: An error occurred while trying to suspend I/O on a JFS log logical volume device. I/O on this logical volume will not be suspended while establishing FlashCopy backup. This may result in an inconsistent database snapshot during backup. However, processing will continue.

System action: Processing continues.

User response: Please contact AIX support to find out why the suspend I/O on a logical volume device failed.

FMM0554E Failed to resume I/O on a logical volume device with errno *errno* for logical volume: *lv*.

Explanation: An error occurred while trying to resume I/O on a JFS log logical volume device.

System action: Processing stops..

User response: Try running the DP for Snapshot Devices "resume" command. If the failure persists, please contact AIX support to find out why the resume I/O on a logical volume device failed.

FMM555E Multiple backup IDs were specified in the input file. You can specify only one backup ID in the input file.

Explanation: More than one backup ID was specified in the input file.

System action: Processing ends.

User response: Specify just one backup ID in the input file.

FMM0556I Flashcopy type is set to NOCOPY. Removing disk meta data for all target disks... This backup is NOT valid for a FlashCopy restore. Please restore from TSM Server.

Explanation: Target PVIDs are cleared. This process removes disk metadata for all target disks. These target volumes can now be used as targets for source volumes from multiple databases. However, this backup is not valid for a FlashCopy restore. You can only restore from TSM Server.

System action: None.

User response: None.

FMM0557W Removing the file system on the mount point *mntpt1* failed with rc: *rc1*.

Explanation: An error occurred while trying to remove a file system during the FlashCopy restore. Processing continues. The restore will repair this problem.

System action: Processing continues.

User response: None.

FMM0558I Flashcopy type is set to COPY or INCR. Leaving disk meta data intact for all target disks... This backup is valid for a FlashCopy restore.

Explanation: The target PVIDs are not cleared.This process leaves disk metadata intact for all target disks. This backup can be used for a FlashCopy restore.

System action: None.

User response: None.

FMM0559E Command lslv failed for the logical volume *v1*.

Explanation: The LVM command lslv failed with the specified logical volume.

System action: Processing ends.

User response: Try to run the same command from the command line and verify that it works. Check that the file system /tmp contains enough space.

FMM0560E Unsupported file system has been detected.

Explanation: The file system that database allocated is an unsupported type.

System action: Processing ends.

User response: Make sure that the mount point exists and the file system is supported.

FMM0561E The file or directory *objname* must not be located on the volume group *v1*.

Explanation: This volume group is not supported by IBM Tivoli Storage FlashCopy Manager. The file or directory displayed is located in this volume group.

System action: Processing ends.

User response: Make sure that volume group is not rootvg.

FMM562E No backup ID was found in the input file. Specify a valid backup ID in the input file.

Explanation: No backup ID was specified in the input file.

System action: Processing ends.

User response: Specify a valid backup ID in the input file.

FMM0563E An physical disk for the volume group *v1* was not found.

Explanation: A physical disk from the specified database volume group was not found in the Device Configuration database.

System action: Processing ends.

User response: Check the specific error message. Consult the AIX system documentation. Check if this device is member of one active volume group. Check for proceeding errors.

FMM0564I Exporting volume group *fnm1* failed.

Explanation: The specified volume group could not be exported after the vary off.

System action: None.

User response: Check the error message displayed by the operating system. Check that the volume group was vary off before the exporting.

FMM0565I Importing volume groups now...

Explanation: Processing an importing volume group command.

System action: None.

User response:

FMM0566I Newly imported volume group: *vg1*

Explanation: DP for Snapshot Devices has successfully imported this new volume group on the backup system after the FlashCopy.

System action: None.

User response:

FMM0567E Logical Volume cannot be found for the file *fnm1*.

Explanation: An error has occurred determining the logical volume of a file in the list of database files.

System action: Processing ends.

User response: Check the specific error message. Cosult the AIX system documentation.

FMM0568I Removing volume group *fnm1* ....

Explanation: Attempting to remove the identified volume groups.

System action: None.

User response: None.

FMM0569I Varied off and exported volume group : *fnm1*

Explanation: The specified volume group was varied off and exported successfully.

System action: None.

User response: None.

FMM0570I Finding the serial numbers ...

Explanation: DP for Snapshot Devices get as input a list of database files to be backed up and from them it figures out the logical volumes, the volume groups and the serial number of the physical volumes where the production database is residing.

System action: None.

User response: None.

FMM571E The vmcli executable file '*vmclipath*' does not exist. The installation seems to be corrupt.

Explanation: The vmcli component cannot be found.

System action: Processing ends.

User response: Verify that the vmcli executable file exists and is in the correct directory. Reinstall the product.

FMM0572E No volume group was found.

Explanation: The AIX command lsvg failed on the backup system and the new added volume groups after the FlashCopy could not be figured out.

System action: Processing ends.

User response: Check the operating system error issued by lsvg. Consult the AIX documentation.

FMM0573E Volume group *vg1* can not be found.

Explanation: The AIX command lsvg failed on the production system and the source volumes of the production database could not be found out.

System action: Processing ends.

User response: Check the operating system error issued by lsvg. Consult the AIX documentation.

FMM0574E Quorum of the volume group *vg1* must be off.

Explanation: In a highly-available LVM mirror environment, DP for Snapshot Devices requires that the quorum of the volume group is set to off. If a mirror is inactive due to a failure, the database should continue working properly.

System action: Processing ends.

User response: Set the quorum of the volume group off.

FMM0575E Logical volume *vg1* must have at least 2 copies.

Explanation: If the parameter for working with LVM mirror is active, then DP for Snapshot Devices requires that two copy of each logical volume are existing.

System action: Processing ends.

User response: Create a copy of each logical volume on separate hardware units. Ensure that you have for each source volume a target volume for the FlashCopy in the same hardware unit.

FMM0576E Logical volume *vg1* must have the parallel or striped scheduling policy.

Explanation: DP for Snapshot Devices requires the parallel or striped scheduling policy. With the parallel scheduling policy, there is no primary or secondary mirror. All copies in a mirror set are just referred to as copy, regardless of which one was created first.

System action: Processing ends.

User response: Set the scheduling policy of this logical volume to 'parallel'.

FMM0577E Logical volume *vg1* must have mirror write consistency on.

Explanation: Mirror write consistency ensures data consistency among mirrored copies of a logical volume during normal I/O processing. If a system or volume group is not shutdown properly, then mwc will identify which logical partitions may be inconsistent. DP for Snapshot Devices requires that this capability be set for the logical volumes of the production database.

System action: Processing ends.

User response: Set mirror write consistency on.

FMM0578E None of the mirror copies of the logical volume *lv* resides completely on the specified hardware unit *essid*.

Explanation: DP for Snapshot Devices requires that all the partitions of one mirror set must be residing on physical volumes of one hardware unit.

System action: Processing ends.

User response: You have to reconfigure the allocation on the production system.

FMM0579E Some of the partitions of *vg1* are stale on the specified hardware unit *identifier*.

Explanation: DP for Snapshot Devices checks first all the logical volumes for stale partitions and issues first only a warning if it finds some. The mirror set that is residing in the hardware unit that was chosen for the FlashCopy on this specific run, have to be free from stale partitions.

System action: Processing ends.

User response: Check the reason why you are having stale partitions. Synchronize the logical volumes of the production database.

FMM0580I Could not determine the number of paths to target volumes. Using default value of 1.

Explanation: DP for Snapshot Devices supports SDD (Subsystem Device Driver). SDD is a pseudo device

driver designed to support the multipath configuration environments in the storage system and is used to enhance data availability. DP for Snapshot Devices will determine the number of multiple paths queryng the Device Configuration database (ODM).

System action: None.

User response: If you want to use the advantage of SDD, check the Subsystem Device Driver User's Guide for a correct configuration.

FMM0581E Failure in changing the mount point *mp*, return code *rc* from command chfs.

Explanation: In a high-available LVM mirror environment, DP for Snapshot Devices will use the recreatevg command to create the volume groups after the FlashCopy on the backup system. Because recreatevg inserts the prefix ./fs....at the begin of the mount point, DP for Snapshot Devices must remove it calling the command chfs.... to the original names.

System action: None.

User response: Check the specific error message. Consult the AIX system documentation. Check for proceeding errors.

FMM0582E The same hdisk *vg1* can not be associated with two different vpaths (serial numbers *vg2* and *vg3*). command chfs.

Explanation: IBM Tivoli Storage FlashCopy Manager has encountered a corrupted configuration in your system.

System action: None.

User response: By issuing the command 'lsvpcfg' you can identify that error. Check the Subsystem Device Driver User's Guide for a correct configuration.

FMM0583E lsvg command failed.

Explanation: DP for Snapshot Devices uses the command lsvg to determine the physical and logical volume of the volume group. That command has failed.

System action: None.

User response: Check the specific error message.

FMM0584I Recreating the new volume groups....

Explanation: In a highly-available LVM mirror environment, DP for Snapshot Devices will use the recreatevg command to create the volume groups after the FlashCopy on the backup system.

System action: None.

User response: None.

FMM0585E The command lvm_queryvg failed.

Explanation: DP for Snapshot Devices uses the system routine lvm_queryvg to read information of the VGDA of the volumes.

System action: None.

User response: Check the specific error message. Consult the AIX system documentation. Check for proceeding errors.

FMM0586E The number of new volume groups is limited *parm1*.

Explanation: DP for Snapshot Devices can support a database with maximum 256 volume groups.

System action: None.

User response: You have to reconfigure your production database.

FMM0587I Varying on volume group *fnm1* failed.

Explanation: Post to the importvg or recreatevg , DP for Snapshot Devices will vary on the database volume group on the backup system. The command varonvg has failed.

System action: None.

User response: Check the specific error message. Consult the AIX system documentation. Check for proceeding errors.

FMM0588E Invalid option found in the Setup File.

Explanation: The parameter value is invalid.

System action: Processing ends.

User response: Correct the value and restart the processing.

FMM0589I Flushing the buffers to disk...

Explanation: Currently synchronizing to force the buffers to disk.

System action: None.

User response:

FMM0590I Unmounting the file system *mntpt1*...

Explanation: Currently attempting to unmount the file system from the mount point.

System action: None.

User response:

FMM0591I Bringing up the volume groups...

Explanation: The new resources are being activated after the FlashCopy.

System action:

User response: None.

FMM0592I Too many file systems located.

Explanation: The number of file systems exceeds the 4096 limit.

System action: Processing ends.

User response: Reconfigure the production database.

FMM0598E Although the pvid *pvid* is contained in the descriptor area of the volume group *vgname*, no logical devices (hdisk/vpath) has this on the production system.

Explanation: The output of the command lspv shows that no physical volume hdisk/vpath exist with this pvid, although the pvid was found on the descriptor area of the volume group.

System action: Processing ends.

User response: You very likely have an ODM corruption for the involved volume group. Check this volume group with the command lsvg -l <vgname> and lsvg -p <vgname>. Depending on the error, you have to take different actions. Consult the AIX troubleshooting documentation to repair the ODM.

FMM0599E Physical volume *hdisk* is in the descriptor area of the volume group *vgname* but does not belong to this volume group.

Explanation: The output of the command lsvg -p <vgname> does not show that the hdisk/vpath belong to this volume group, but its pvid is registried in the descriptor area of the volume group.

System action: Processing ends.

User response: If the hdisks with the same pvid belong to the same multipath, convert the hdisk device volume group to a Subsystem Device Driver vpath device volume group. If you have an ODM corruption, check the involved volume group with the command lsvg -l <vgname> and lsvg -p <vgname>. Depending on the error, you have to take different actions. Consult the AIX troubleshooting documentation to repair the ODM.

FMM0600W The major number of the volume group *vgname* could not be determined.

Explanation: The command "getlvodm" used to determine the major number of the specified volume group failed. The option -V of the command importvg will not be used on a FlashCopy restore of this backup.

System action: None.

User response: Check for error messages of the command getlvodm.

FMM0601W Major number *major* already exists on the production machine. The system will assign the next available major number to the volume group *vgname*.

Explanation: DP for ESS found that the major number of the given volume group is being used by another device. The importvg command will be issued without the option -V <major number>, then the system will generate the next available major number automatically.

System action: None.

User response: Check the major numbers on the system with the command "ls -al /dev".

FMM0602E Production database does not reside on a LVM mirror environment. The profile parameter '*profile_param*' is not allowed in an environment without LVM mirroring.

Explanation: The LVM mirroring capability of DP for ESS is on, but the database logical volumes do not have a mirror copy.

System action: None.

User response: Set the parameter for LVM mirroring off or setup your system in an high-available LVM mirror environment.

FMM0603E Error reading the status information of the file system *fsname*: *txtmsg*.

Explanation: The system call stat failed. Check the specific error message. In some cases the user will need administrator rights to execute that command.

System action: None.

User response: Check the specific error message. Ensure that the user has enough rights.

FMM0604W The file system *fsname* is not of type jfs2. The freeze/thaw function will be applied only on file systems of type jfs2.

Explanation: The freeze/thaw function will be applied only on file systems of type jfs2.

System action: None.

User response: None.

FMM0605E Error freezing the file system *fsname*: *txtmsg*.

Explanation: The function FREEZE on this file system failed.

System action: Check the specific error of the operating system appended at the end of this message.

User response: None.

FMM0606E Error thawing the file system *fsname*: *txtmsg*.

Explanation: The function THAW on this file system failed.

System action: Check the specific error of the operating system appended at the end of this message.

User response: None.

FMM0607I Freezing filesystem : *fs1*.

Explanation: Currently attempting to freeze the file system.

System action: None.

User response:

FMM0608I Thawing filesystem : *fs1*.

Explanation: Currently attempting to thaw the file system.

System action: None.

User response:

FMM0609I Performing snaprestore of the source volume *srcvol* to the snapshot *snapid* (LUN *lunpath*).

Explanation: The function snaprestore will revert the source volume to the specified snapshot name. This message will appear for every LUN involved in the restore process. The snap restore is made based on the volume.

System action: None.

User response:

FMM0610I Performing snapshot of the source volume *srcvol* (LUN *lunpath*).

Explanation: A snapshot will be taken from this volume. This message will appear for every LUN involved in the snapshot process, however when several LUNs belong to the same volume, only one snapshot of this volume is taken.

System action: None.

User response:

FMM0611I The snapshot *snapid* was generated for the source volume *srcvol* (LUN *lunpath*).

Explanation: A snapshot with the name displayed was taken from this volume. This message will appear for each LUN involved in the snapshot process, however when several LUNs belong to the same volume, only one snapshot of this volume is taken.

System action: None.

User response:

FMM0612E File system *fsname* thawed automatically because the specified timeout limit was exceeded. Specify the profile parameter TIMEOUT_FLASH, to increase the timeout limit. The default value of this parameter is 120 seconds.

Explanation: The THAW function on the file system *fsname* failed because the file system thawed automatically after the timeout value specified by the TIMEOUT_FLASH parameter was already exceeded.

System action: Processing stops.

User response: Increase the timeout value for the TIMEOUT_FLASH parameter.

FMM0613E File system *fsname* can not be freezed because the timeout limit was exceeded. Specify the profile parameter TIMEOUT_FLASH, to increase the timeout limit. The default value of this parameter is 120 seconds.

Explanation: The FREEZE function cannot be applied to file system *fsname* because the timeout limit specified by the TIMEOUT_FLASH parameter was already exceeded.

System action: Processing stops.

User response: Increase the timeout value for the TIMEOUT_FLASH parameter.

FMM614E The process failed to update the usability state of the snapshot backup.

Explanation: IBM Tivoli Storage FlashCopy Manager cannot update the IBM Tivoli Storage FlashCopy Manager repository.

System action: Processing ends.

User response:

FMM0615E Unable to open file *file1*.

Explanation: An error was detected when trying to open the file. The file may not exist.

System action: Processing ends.

User response: Make sure the file exists.

FMM0616I Performing *fctype* FlashCopy of source volume *src1* to target volume *tgt1*

Explanation: A FlashCopy from the source volume to the target volume was requested.

System action: None.

User response:

FMM617W The locale '*locale*' for the host is not supported by the VCenter server. A default locale will be used.

Explanation: The specified locale is not supported by the VCenter server.

System action: Processing continues with the default locale.

User response: Set the locale to setting supported by the VCenter server.

FMM618E The suspend operation for the virtual machine with the instance UUID '*instance uuid*' failed: '*error*'.

Explanation: The suspend operation failed on the specified virtual machine.

System action: Processing continues.

User response: Check the error message.

FMM0619I Performing FlashCopy withdraw of source volume *src1* from target volume *tgt1*

Explanation: A FlashCopy withdraw of the source volume from the target volume was requested.

System action: None.

User response:

FMM0620E No target volume is available. Terminating.....

Explanation: No target volume was found.

System action: Processing ends.

User response: Make sure the target volumes reside in the same Logical Subsystem (LSS) as the source volumes and that the target volumes are available to the backup system. Also, make sure the syntax is correct in the .fct file.

FMM0635E A required parameter *tgtv1* is missing in the Setup File.

Explanation: A required parameter in the Setup File has not been specified. This may be caused by incorrect syntax in the Setup File.

System action: Processing ends.

User response: Make sure all the required parameters are present in the Setup File and that no space exists between the parameter and the colon(:).

FMM0643I Executing system command '*parm1*'

Explanation: IBM Tivoli Storage FlashCopy Manager is performing the command *parm1* and waiting for the results from the operating system.

System action: None.

User response: None.

FMM0644E Error on running command: *parm1*

Explanation: An error was detected while running a system command.

System action: Processing ends.

User response: Gather log file information and contact your IBM service representative.

FMM0647I User abort; Exiting Flashcopy Restore.

Explanation: The user has chosen to terminate the Flashcopy Restore operation.

System action: Restore processsing is terminated.

User response: Flashcopy Restore overwrites any existing data on all the source LUNs, including (but not not limited to) all filesystems and raw volumes on them. Make sure all necessary data from the source LUNs is backed up, and restart the procedure.

FMM0648I User input was yes; Continuing Flashcopy Restore.

Explanation: The user has chosen to continue the Flashcopy Restore operation.

System action: Restore processsing continues.

User response: None.

FMM0649I You are about to perform a Flashcopy Restore operation. All data on the source volumes, including (but not limited to) filesystems and raw volumes, will be lost. Do you want to continue? Please enter Yes or No.

Explanation: Flashcopy Restore overwrites any existing data on all the source LUNs, including (but not

not limited to) all filesystems and raw volumes on them. Make sure all necessary data from the source LUNs is backed up, and restart the procedure.

System action: System waits for a valid user response.

User response: Please enter "Yes" to continue, or "No" to abort the restore operation.

FMM0650I A Flashcopy Restore operation has been requested, with Prompt=No. All data on source volumes, including (but not limited to) filesystems and raw volumes, will be lost. Continuing Flashcopy Restore operation.

Explanation: Flashcopy Restore overwrites any existing data on all the source LUNs, including (but not limited to) all filesystems and raw volumes on them. It is strongly recommended that this operation be performed with Prompt set to Yes. The user has chosen to perform this operation with Prompt set to no.

System action: Restore operation continues.

User response: None.

FMM651E The '*prefix*' prefix is not contained in the string '*searchstring*' in the input file.

Explanation: A Syntax error occured in the input file.

System action: Processing ends.

User response: The named prefix cannot be found in the string. The prefix is required in the input file.

FMM0652E Invalid license is detected.

Explanation: An invalid license was found.

System action: Processing ends.

User response: Check if there is a mismatch between the executables (for the production system and backup system) and the license file(agent.lic).

FMM653I The '*operation*' request processed successfully.

Explanation: This message is for informational purpose only.

System action: Processing continues.

User response: No action is required.

FMM654E The following instance UUIDs have not been found in the datastores that are included in the backup. They are not part of the backup.*instance uuids*

Explanation: The specified instance UUIDs have not been found in the datastores that are included in the backup. They are not part of the backup.

System action: Processing continues but the specified instance uuid's are not part of the backup.

User response: Specify valid instance UUIDs of virtual machines that are listed in the input file.

FMM655E The '*prefix*' prefix in the input file is not allowed for single disk restore operations.

Explanation: A syntax error occured in the input file.

System action: Processing ends.

User response: Add the correct prefix to the input file.

FMM0656E An error has been detected when running the TSM Backup Archive Client command line interface.

Explanation: An error was detected when running the TSM Backup Archive Client Client command line interface.

System action: Processing ends.

User response: Make sure the TSM Backup Archive Client is correctly installed and that the environmental variables are set correctly.

FMM0657E A memory allocation error has occurred.

Explanation: Enough memory was not available to continue processing.

System action: Processing ends.

User response: Ensure that your system has sufficient real and virtual memory. Close unnecessary applications.

FMM665E There are multiple NFS servers involved: the NFS server '*nfsserver1*' for the file '*filename*' is different from the previous NFS server '*nfsserver2*'.

Explanation: In NAS environments, the files passed from the application or database during the fist phase (partition) of the snapshot backup must reside in a single NAS storage system.

System action: Processing stops.

User response: Move the file systems and files of one single application or database instance to a single NAS storage system.

FMM0666E Could not open trace file *v1*.

Explanation: There were some problems opening tracefile. Please make sure you can open the trace file which was specified in the setup file.

System action: Processing terminates.

User response: None.

FMM0667E Could not create the trace object.

Explanation: There were some problems creating trace class object.

System action: Processing terminates.

User response: None.

FMM0668E Invalid trace flag: *v1***.**

Explanation: Some invalid trace flags are defined in the setup file.

System action: Processing terminates.

User response: None.

FMM0672E Error while querying volume properties of volume *volserial***. Please verify that the volume specified in the target volumes file exists.**

Explanation: None.

System action: Processing stops.

User response: Contact the administrator of the storage subsystem with the information provided in this message.

FMM0673E A Flashcopy background copy is in progress between source volume: *source volume* **and target volume:** *target volume***.**

Explanation: A Flashcopy background copy from a previous operation is not complete for the given source and target volumes.

System action: Command will fail.

User response: Please wait until the background copy is complete and retry the command.

FMM0674E A Flashcopy association exists between source volume: *source volume* **and a different target volume:** *target volume***.**

Explanation: A Flashcopy association exists between the source volume and a target other than the designated target volume.

System action: Restore command will fail.

User response: Please withdraw the Flashcopy association between the source volume and the target volume and retry the restore command.

FMM0675E An unexpected error was encountered. function name : *function-name* **function :** *function-desc* **return code :** *rc* **file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Contact the administrator with the information provided in this message.

FMM0676E *program-name***: cannot open file** *file-spec***:** *error***.**

Explanation: IBM Tivoli Storage FlashCopy Manager cannot open the file.

System action: IBM Tivoli Storage FlashCopy Manager cannot complete the requested operation.

User response: Retry the operation. If the problem continues, check with your system administrator.

FMM0710E Unable to close trace output file *file-name***.**

Explanation: An error occurred during the closing of a trace output *file-name* (for example, not enough disk space).

System action: Processing continues.

User response: Check the options.doc file for a description of possible causes of the error, or see your system administrator.

FMM0711E Unable to write to trace file *tracefile***. Tracing disable d.**

Explanation: An error occurred when writing to the specified *tracefile.*

System action: Tracing is disabled. Processing continues.

User response: Ensure the device that contains the *tracefile* is available, has sufficient space for the tracefile and the user has write permission to the target directory. Retry the command.

FMM0712E Invalid trace file name (name too long).

Explanation: A TRACEFILE option in the preferences files used a file name that is too long.

System action: Client program did not initialize.

User response: Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMM0727E Specifying the trace file '*link***' as a symbolic link is not allowed.**

Explanation: Trace file '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response: Specify the trace file location with the 'tracefile' option.

FMM0728E Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response: Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMM0729E Unable to delete symbolic link '*link*'.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: Processing stops.

User response: Delete the symbolic link '*linkname*'.

FMM0739E Invalid trace keyword - '*keyword*'

Explanation: A TRACEFLAG option in the user configuration file or on the command line is incorrect.

System action: Client program did not initialize or tracing was not enabled in the applet.

User response: Correct the value. See the entry for TRACEFLAGS in the *Trace Facility Guide* document for a list of valid trace flags.

FMM0740E Unable to open trace output file *file-name*.

Explanation: A TRACEFILE option in the user configuration file or on the command line used a directory path and *file-name* combination to which you do not have write access.

System action: Client program did not initialize.

User response: Change the TRACEFILE value so that it is a location to which you have write access.

FMM0741E The physical volumes of the volume group *v1* were not found.

Explanation: DP for Snapshot Devices will issue the command 'lsvg -M <vgname>' in a LVM mirror environment to determine on which physical and logical volumes is residing the production database. This command failed.

System action: Processing ends.

User response: Check the return code of lsvg. Consult the AIX system documentation.

FMM0742E Varying off volume group *fnm1* failed.

Explanation: After the unmount of the database file systems, DP for Snapshot Devices will vary off the database volume groups on the backup system. The command varoffvg has failed.

System action: None.

User response: Check the specific error message. Consult the AIX system documentation. Check for proceeding errors during the unmount process.

FMM0743I <*fn1*> VOLUME GROUP : *fn2* COPIES : *fn3* SCHED POLICY : *fn4* STALE PPs : *fn5* MIRROR WRITE CONSISTENCY: *fn6*

Explanation:

System action: None.

User response:

FMM0744I <*lvname*><*copy*><*pv*><*serialno*><*status*>

Explanation: Finding the source volumes of the production database in a LVM mirror environment, DP for Snapshot Devices will display a list of all the logical volumes with the number of copies, the physical volumes, the serial number and the status. The status is only displayed for the case of stale.

System action: None.

User response: None.

FMM0745W Logical volume *vg1* has *vg2* stale partitions.

Explanation: DP for Snapshot Devices checks first all the logical volumes for stale partitions and issues first only a warning if it finds some. The mirror set that is residing in the hardware unit that was chosen for the FlashCopy on this specific run, have to be free from stale partitions.

System action: None.

User response: Check why you are having stale partitions. If necessary, synchronize the logical volumes of the production database.

FMM0746E The source volume with serial number *cmd* is not attached to the production system.

Explanation: The specified physical volume was found during the FlashCopy backup as part of the database volumes on the production system. Now, during the FlashBack Restore, it is no longer found on the production system.

One of the reasons this may occur is if you are in a remote mirror environment and are trying to restore

the backup on an incorrect host - local backup on takeover host or remote backup on local host.

System action: Processing ends.

User response: Logon with the user root and issue the command lsvpcfg. Check if the volume is displayed. Use the storage-system user interface to find out to which host this volume is attached. You will be able to restart the FlashBack restore anytime, as long as you have a valid disk backup on the target volumes.

FMM0747E The source volume with serial number *cmd* belongs to another volume group.

Explanation: The specified physical volume was found during the FlashCopy backup as part of the database volumes on the production system. Now, on the FlashBack restore, DP for Snapshot Devices found it as member of another volume group and can not proceed with the restore.

System action: Processing ends.

User response: You must remove this volume from the other volume group if you want to use the specified FlashCopy backup for the FlashBack restore. You will be able to restart the FlashBack restore anytime, as long as you have a valid disk backup on the target volumes.

FMM0748W The logical volume *lv* on the mount point *mp* was renamed or newly added.

Explanation: DP for Snapshot Devices found a difference between the names of the logical volumes which were on the production database at the time of FlashCopy backup and the current logical volumes at the time of the FlashBack Restore.

System action: None.

User response: DP for Snapshot Devices will ask you during the FlashBack Restore if you are sure to continue, before all the file systems and logical volumes are removed. After that, DP for Snapshot Devices will only reconstruct the file systems which were backed up with FlahCopy. You have to add manually all the additional system changes that were made after the FlashCopy backup.

FMM0749I List of the current file systems on the backed up volume groups ...

Explanation: Prior the start of the FlashBack restore, DP for Snapshot Devices will display a list of all the file systems which are currently on production database system.

System action: Processing ends.

User response: None.

FMM0750I List of file systems which will be restored...

Explanation: Prior the start of the FlashBack restore, DP for Snapshot Devices will display a list of all the file systems which were on production database system at the time of the FlashCopy backup.

System action: Processing ends.

User response: None.

FMM0753W The newly added volume *cmd* will be deleted from the database volume group *rc*.

Explanation: The reducevg command removes physical volumes from a volume group. DP for Snapshot Devices will call this command during the FlashBack Restore to remove the physical volumes added to the database volume groups after the FlashCopy backup.

System action: Processing ends.

User response: None.

FMM0754I Logical volume *lv* was removed during Flashcopy Restore, because it was newly added since last backup, needs to be recreated manually.

Explanation: DP for Snapshot Devices found a difference between the names of the logical volumes which were on the production database at the time of FlashCopy backup and the current logical volumes at the time of the FlashBack restore.

System action: None.

User response: DP for Snapshot Devices will ask you during the FlashBack restore if you are sure to continue before all the file systems and logical volumes will be removed. After that, DP for Snapshot Devices will only reconstruct the file systems which were backed up with FlahCopy. You have to add manually all the additional system changes that were made after the FlashCopy backup.

FMM0755I The following commands should be run after the FlashCopy process in background is finished to synchronize the LVM copies:

Explanation: IBM Tivoli Storage FlashCopy Manager will not automatically synchronize the copies after the reconstruction of the LVM mirror. A basic command will be created and printed out.

System action: Processing ends.

User response: You have to start the synchronization of the LVM mirror manually after the FlashCopy process in background has finished. If necessary you

have to add additional parameter to the commands to improve the performance of the synchronization.

FMM0756E Error converting the hdisk device volume group *vg* to a Subsystem Device Driver vpath device volume group.

Explanation: On the function FlashCopy backup, DP for Snapshot Devices will use the command hd2vp to convert the hdisk device volume group to a Subsystem Device Driver vpath volume group. This will take effect after the importvg and prior to the mount of the file systems on the backup system.

System action: Processing ends.

User response: Check the return code and the error message of the hd2vp command. Consult the AIX system documentation.

FMM0757W The rmlv command *lv* ended with return code *rc*.

Explanation: For the function FlashBack Restore, DP for Snapshot Devices will use the command rmlv to remove the logical volumes onto which the production database should be restored. This will take effect after the unmount and prior to the exportvg and the actual FlashCopy.

System action: Processing ends.

User response: Check the return code and the error message of the rmlv command. Consult the AIX system documentation. You will be able to restart the FlashBack restore anytime, as long as you have a valid disk backup on the target volumes.

FMM0758E DP for Snapshot Devices encountered a problem when using the FlashCopy function of the Copy Services.

Explanation: DP for Snapshot Devices requested for a set of source/target volume pairs a FlashCopy to be done by the Copy Services. If the request fails within the storage system for one or more pairs with a non-zero return code, then DP for Snapshot Devices will provide the return code and then terminate.

System action: Processing ends.

User response: In order to identify which volume(s) were the cause of the problem you need to view the Copy Services status log for failures, there you find the failing volume(s) along with details about possible causes of the problem.

FMM0759E The file system *fs* already has an entry in the /etc/filesystems.

Explanation: On the backup system after the FlashCopy, DP for Snapshot Devices found that the specified file system still exist in the /etc/filesystems.

System action: Processing ends.

User response: Normally the command "exportvg" will remove the corresponding file systems from the /etc/filesystems. Check for errors during the unmount and withdraw process.

FMM0760W The reducevg command *cmd* ended with return code *rc*.

Explanation: The reducevg command removes physical volumes from a volume group. DP for Snapshot Devices will call it 1. on FlashBack restore to remove the physical volumes added after the FlashCopy backup. 2. on FlashBack restore with LVM mirroring to remove the physical volumes which are residing on the hardware unit that is not yet involved in the FlashBack. 3. on FlashCopy backup with LVM mirroring if the environment variable IMPORTVG is set, to remove the physical volumes which are residing on the hardware unit that is not yet involved in the FlashCopy.

System action: Processing ends.

User response: Check the return code and the error message of the reducevg command. Consult the AIX system documentation.

FMM0761W The extendvg command *cmd* ended with return code *rc*.

Explanation: The extendvg command adds physical volumes to a volume group. DP for Snapshot Devices will call it to add the volumes which are residing on the hardware unit that is not yet involved in the FlashBack to the database volume groups.

System action: Processing ends.

User response: Check the return code and the error message of the extendvg command. Consult the AIX system documentation.

FMM0762W The mklvcopy command *cmd* ended with return code *rc*.

Explanation: DP for Snapshot Devices will call the command mklvcopy to add a copy of a logical volume on the physical volumes residing on the second hardware unit. This call will only take effect in a LVM mirroring environment, after the FlashBack restore was initialized. The FlashBack restore and the recovery will continue, but the second copy of the logical volumes will be missing.

System action: Processing ends.

User response: Check the return code and the error message of the mklvcopy command. Consult the AIX system documentation. Check for errors during the disabling process (unmount, rmfs, rmlv, varyoffvg, exportvg). You will be able to restart the FlashBack restore anytime, as long as you have a valid disk

backup on the target volumes.

FMM0763I Removing copies from the logical volumes ...

Explanation: On the function FlashBack restore, DP for Snapshot Devices will use the command rmlvcopy to remove the copies of the logical volumes residing on the second hardware unit. This will take effect after the unmount and prior to the exportvg and the actually FlashCopy reverse.

System action: Processing ends.

User response: None.

FMM0764I Removing physical volumes from the volume groups ...

Explanation: On the function FlashBack restore, after the rmlvcopy and prior to the exportvg and the actually FlashCopy reverse, DP for Snapshot Devices will use the command reducevg to remove the physical volumes residing on the second hardware unit.

System action: Processing ends.

User response: None.

FMM0765I Adding physical volumes to the volume groups ...

Explanation: On the function FlashBack restore, after the FlashCopy reverse and the import of the volume groups, DP for Snapshot Devices will add the physical volumes residing on the second hardware unit to the database volume groups.

System action: Processing ends.

User response: None.

FMM0766I Adding copies to the logical volumes ...

Explanation: On the function FlashBack restore, DP for Snapshot Devices will use the command mklvcopy to add the copies of the logical volumes on the second hardware unit. This will take effect after the importvg and the extendvg.

System action: Processing ends.

User response: None.

FMM0767W The command *cmd* ended with return code *rc*.

Explanation: The execution of the system command ended with the displayed return code.

System action: Processing ends.

User response: Check the return code and the error message of the specified command. Consult the AIX system documentation.

FMM0768E Importing the volume group from hdisk *logdev* failed.

Explanation: DP for Snapshot Devices will use the command "importvg" on the function FlashCopy backup. This command will be issued on the backup system after the actually FlashCopy and the run of the configuration manager(cfgmgr). It takes a volumes from each volume group building up the production database, reads its VGDA and makes this information available to the operating system.

System action: Processing ends.

User response: Check the return code and the error message of the importvg command. Consult the AIX system documentation.

FMM0769E Recreating the volume group from the hdisks *hdisks* failed.

Explanation: DP for Snapshot Devices will use the command "recreatevg" on the function FlashCopy backup if the production database is residing on an high-available LVM mirror environment. This command will be issued on the backup system after the actually FlashCopy and the run of the configuration manager (cfgmgr). The difference to the command "importvg" is that recreatevg will create the volume group only with the specified volumes. These are building up exact the one copy on the hardware unit where the FlashCopy was issued.

System action: Processing ends.

User response: Check the return code and the error message of the recreatevg command. Consult the AIX system documentation.

FMM0770I Removing the logical device *logdev* with the same PVID *pvid* in the ODM.

Explanation: There is still another logical device (hdisk or vpath) in the state defined with the same PVID as one of the source volumes.

System action: Processing continues.

User response: None.

FMM0771I Could not mount all the filesystems originally present.

Explanation: This message will appear if running the function FlashBack restore, a file system was found that was added after the FlashCopy backup.

System action:

User response: The user is responsible for create the new file system after the FlashCopy reverse, but before the recovery, if this file system was already used from the production database.

FMM0772W The database volume groups do not contain currently any file system.

Explanation: This message will appear if running the function FlashBack restore, none file system was found on the original database volume group. Following that, DP for Snapshot Devices will display a list of the file system which are residing on the FlashCopy target volumes. These will be restored by means of FlashBack.

System action:

User response: None.

FMM0773W One or more errors were found disabling the production system resources. However, the FlashBack restore will continue.

Explanation: This message will appear if, when running the function FlashBack restore, an error occurs unmounting the existing file systems and removing the volume groups. However, DP for Snapshot Devices will continue with the FlashBack restore.

System action:

User response: None.

FMM774I The '*diskname***' virtual disk on the '***virtual machine name***' virtual machine is successfully restored to the '***target virtual machine***' virtual machine and is added to its configuration.**

Explanation: The specified virtual disk has been successfully restored.

System action: Processing continues.

User response: No action is required.

FMM0775E The label of the logical volume *lvname* is missing. Set it using chlv -L mountPoint logicalVolume.

Explanation: IBM Tivoli Storage FlashCopy Manager requires the label of the logical volume to be set. Otherwise there will be an error importing the volume groups on the backup system.

System action: Processing stops.

User response: Set the label of the logical volume using: chlv -L mountPoint logicalVolume.

FMM0776I Number of volumes to be processed by Flashcopy: *v1*

Explanation: Number of volumes to be processed by Flashcopy.

System action: None.

User response: None.

FMM0777E An unexpected error was encountered processing a function. function name : *function-name* function : *function-desc* return code : *rc* file : *file-name* (*line-number*)

Explanation: None.

System action: Processing stops.

User response: Contact the administrator of the storage subsystem with the information provided in this message.

FMM0778E SVC virtual disk *v1* is not valid. Please verify that the volume specified in the target volumes file exists.

Explanation: The specified virtual disk is not found in the list of virtual disks provided by the connected SVC cluster.

System action: Process stops.

User response: Ensure that of this virtual disk exists in the SVC.

FMM0779E The source *v1* and target *v2* virtual disks are in different SVC clusters.

Explanation: The SVC's source and target virtual disks have to be assigned to the same SVC cluster for FlashCopy.

System action: Process stops.

User response: Ensure that of the source and target virtual disks are in the same SVC.

FMM0780E The source *v1* and target *v2* virtual disks are of different size.

Explanation: The SVC's source and target virtual disks have to be of the same size for FlashCopy.

System action: Process stops.

User response: Ensure that of the source and target virtual disks are in the same SVC.

FMM0781E An error was returned calling an operation of the Common Interface Model(CIM). function name : *function-name* received msg : *function-desc* CIM return code: 0x*CIM-rc* file : *file-name* (*line-number*) If the received message contains 'CIM Error', then please collect the CIM Agent logs and send them to CIM support.

Explanation: A error occurred calling a CIM operation of the disk subsystem.

System action: Processing stops.

User response: Please see section about the CIM return codes and its description in the manual.

FMM0782E **A memory allocation error has occurred in file** *filename*, **line number** *linenumber*.

Explanation: Enough memory was not available to continue processing.

System action: Processing ends.

User response: Ensure that your system has sufficient real and virtual memory. Close unnecessary applications.

FMM0783E **The execution of command 'lscfg' failed. Please verify that the command 'tset -I -Q' is not set in the users environment files .profile, .login .dbenv_<hostname>.sh, .dbenv_<hostname>.csh and .sapenv_<hostname>.sh, .sapenv_<hostname>.csh.**

Explanation: If the command 'tset -I -Q' is set in the users environment files .profile, .dbenv_<hostname>.sh, and .sapenv_<hostname>.sh, then the command 'lscfg' will fail with the output 'Not a terminal' and will not return any configuration. This will cause the IBM Tivoli Storage FlashCopy Manager script 'hdwmap.sh' to fail.

System action: Process stops.

User response: Ensure that the command 'tset -I -Q' is not set in the users environment files .profile, .dbenv_<hostname>.sh, and .sapenv_<hostname>.sh .

FMM0784I **The ONTAP filer version on this appliance is:** *n*.

Explanation: None.

System action: Process continues.

User response: None.

FMM0785W **The option fractional reserve on volume** *vol_name* **was reduced to less than 100 percent.**

Explanation: N series extremely recommends that when the fractional reserve is set to less than 100 percent you actively monitor space consumption and the rate of change of data in the volume to ensure you do not run out of space reserved for overwrites. In that case, if you run out of overwrite reserve space, writes to the active file system fail and the host application or operating system might crash.

System action: Process continues.

User response: Ensure that you monitor the space consumption. Consult NetApp for tools to monitor available space in your volumes.

FMM0786I **Removing the snapshot** *snapshot name* **of source volume** *source volume* **(LUN** *LUN path***)**

Explanation: The removal of the specified snapshot of the source volume was requested.

System action: Processing continues.

User response: None.

FMM0787E **The snap restore for volume** *volname* **with snapshot name** *snapname* **would destroy later snapshots that are required for other applications or for volume clones.**

Explanation: N series will delete newer snapshots of a volume when a specific snapshot is used for snap restore.

System action: Process stops.

User response: Prior a snap restore, ensure that newer snapshots are not used in other applications or in volume clones.

FMM0788W **IBM Tivoli Storage FlashCopy Manager did not find any snapshots for volume** *volname* **on the N series filer.**

Explanation: No snapshots for this volumes in the N series filer found.

System action: Process continues.

User response: None.

FMM0789W **IBM Tivoli Storage FlashCopy Manager did not find any information about the N series volume** *volname*.

Explanation: Trying to get information about this volume did not return any data.

System action: Process continues.

User response: None.

FMM0790E **The snapshot name** *snapname* **for volume** *volname* **was not found in the snapshot list on the N series filer.**

Explanation: Snapshot identified by this name does not exist.

System action: Process stops.

User response: None.

FMM0791W Function refreh incremental FlashCopy cannot be accomplish because no consistency group found for these volumes.

Explanation: A refresh of the incremental FlashCopy can only be done when the consistency group and the correspondent FlashCopy relation were established previously.

System action: None.

User response: None.

FMM0792E The list of volumes passed contain pairs which belong to different consistency groups in the scope of one single cluster.

Explanation: IBM Tivoli Storage FlashCopy Manager handles for each operation only one consistency group per cluster at the same time. If the set of volumes in a backup or restere operation contain pairs that belong to different consistency group inside one single cluster, then the process of the operation will be stopped.

System action: Process stopped.

User response: If you added volumes to the production database or to the target set, ensure that they are not in any FlashCopy relation.

FMM0793W No FlashCopy relationships found in the storage system.

Explanation: The copy services server (mostly a CIM Object Manager) does not have any FlashCopy relation objects.

System action: Process may stop.

User response: This is not necessarily a message that implies the stop of the process.

FMM0794E The state *status* of the consistency group is bad to achive a valid disk backup.

Explanation: IBM Tivoli Storage FlashCopy Manager function monitoring will expect that the FlashCopy are in one of the state Idle_Copied or Copying.

System action: Process will stop.

User response: Verify using the storage GUI the state of the FlashCopy. If this state was generated by an user action, try to start the copy process through the storage GUI, then re-start the IBM Tivoli Storage FlashCopy Manager moniotoring fuction.

FMM0795E Error initializing the connection to the copy services server.

Explanation: IBM Tivoli Storage FlashCopy Manager could not initialize the connection to the copy services server.

System action: Process will stop.

User response: Check previous error to identify the exact problem during the initialization.

FMM0796I Trying to connect to primary copy services server '*cs_primary*'.

Explanation: None.

System action: Process will continue.

User response: None.

FMM0797I Trying to connect to primary '*cs_prim*' and/or secondary '*cs_sec*' copy services server.

Explanation: None.

System action: Process will continue.

User response: None.

FMM0798I The primary copy services server '*cs_prim*' is not responding. The following CIM error was reported: *cim_err_msg* Working with secondary copy services server '*cs_sec*'.

Explanation: None.

System action: Process will continue.

User response: None.

FMM0799E The primary copy services server '*cs_prim*' is not responding. The following CIM error was reported: *cim_err_msg*

Explanation: IBM Tivoli Storage FlashCopy Manager cannot connect to the primary copy services server.

System action: Process will stop.

User response: Check that the primary copy services server and the CIMOM on it is up and running.

FMM0800E Neither the primary '*cs_prim*' nor the secondary copy services server '*cs_sec*' are responding. The following CIM error was reported: *cim_err_msg*

Explanation: IBM Tivoli Storage FlashCopy Manager cannot connect either to the primary nor to the secondary copy services server.

System action: Process will stop.

User response: Check that one of both primary or secondary copy services server and the CIMOM running on it is up and running.

FMM0801W The FlashCopy direction in the consistency group *cs_name* is switched. A withdraw will be done prior to continue.

Explanation: The FlashCopy direction of source and target volumes in the consistency group is switched. This can be caused through the restore process. A withdraw will be done prior to continue.

System action: Process will continue.

User response: None.

FMM0802E Neither source volume id nor target volume id is in the volume list.

Explanation: None.

System action: Processing ends.

User response: None.

FMM0805E The putenv command failed for path = *v1*.

Explanation: None.

System action: Process stops.

User response: *** NEED A BETTER EXPLANATION ***

FMM0806E Lun ID *v1* is not valid.

Explanation: Length of LUN id must be 8 characters.

System action: Process stops.

User response: Make sure the length of LUN ID is 8.

FMM0807E The jar file *v1* cannot be found.

Explanation: None.

System action: Process stops.

User response: *** NEED BETTER RESPONSE FOR THIS ***.

FMM0808E Operating system command '*command*' failed; rc=*rc*.

Explanation: None.

System action: Process stops.

User response: Check the return code from the operating system for more information about the failure. Issue the failing command manually to see if the same failure occurs.

FMM0809E The primary and secondary copy service servers are down.

Explanation: None.

System action: Process stops.

User response: Start at least one of the copy service servers.

FMM0810E Cannot open the command output file *v1* for writing.

Explanation: Can't open this file for writing.

System action: Process stops.

User response: Make sure you have enough space on your system and write permission to the file.

FMM0811E The LUN are already in use.

Explanation: None.

System action: Process stops.

User response: Release LUN in order to reuse them.

FMM0812I The backup DB2 UDB preview command indicates there are sufficient resources for a backup operation.

Explanation: None.

System action: None.

User response: None.

FMM0836E Error while invoking the diskmapper.

Explanation: Invokation of diskmapper failed.

System action: Processing ends.

User response: Contact the administrator of the storage subsystem with the information provided in this message.

FMM0837E The path '*v1*' is not a character device.

Explanation: The path queried from the ASM instance is not a valid character device.

System action: Processing ends.

User response: Check the setup of you ASM instance.

FMM0838W The following files have been found in the diskgroup allthough they do not belong to the database and are not contained in the negative list: '*files*'.

Explanation: Additional files have been found which do not belong to the database and which are not contained in the negative list.

System action: The mentioned files will be contained in the backup.

User response: If you do not want these files to be contained in the backup please remove them from the diskgroup. If you want them to be included please add them to the negative list.

FMM0839E **The failure group '*failureG*' which has been specified in the profile is not a valid failure group of diskgroup '*diskG*'.**

Explanation: One of the failure groups given in the profile is not available in one diskgroup of the ASM instance.

System action: Processing ends.

User response: Please check if the failure groups specified in the profile exist for each of the diskgroups your database resides on.

FMM0840E **Not enough failure groups for redundancy type '*redType*' in diskgroup '*diskGroup*'. '*foundFG*' have been found but '*neededFG*' are needed for this redundancy type. Please make sure that the currently selected DEVICE_CLASS contains enough failure groups for a consistent flashcopy and ensure that they are online.**

Explanation: There are not enough online failure groups for the redundancy type of the diskgroup on the current storage device. The backup would not be restorable.

System action: Processing ends.

User response: Please make sure that the currently selected DEVICE_CLASS contains enough failure groups for a consistent flashcopy and ensure that they are online.

FMM0841E **Not all disks reside on the same cluster. Disks were found on the cluster with id: '*first cluster id*' and on the cluster with id '*second cluster id*'.**

Explanation: The disks of the diskgroups needed for the flashcopy do not reside on one storage device.

System action: Processing ends.

User response: If you specified failure groups in the profile ensure that the disks they are located on reside on the same storage device. If you did not specify any ensure that all diskgroups needed for the flashcopy reside on the same storage device.

FMM0842E **The ASM diskgroup '*diskGroup*' could not be dropped but is still available in the ASM instance. Restore will be stopped.**

Explanation: The specified diskgroup could not be dropped but it is still available in the ASM instance. A restore could lead to an inconsistent state of the diskgroup.

System action: Processing ends.

User response: Check the state of the specified diskgroup and try to drop it manually.

FMM0843E **The ASM diskgroup '*diskGroup*' could not be unmounted and is still mounted in the ASM instance. Unmount will be stopped.**

Explanation: The specified diskgroup could not be unmounted and is still mounted in the ASM instance. Continuing with the unmount operation could lead to an inconsistent state of the diskgroup.

System action: Processing ends.

User response: Check the state of the specified diskgroup and try to unmount it manually.

FMM0844E **No target volume is available for serial '*serial*'.**

Explanation: No target volume was found for the specified serial.

System action: Processing ends.

User response: Ensure your backup system is in a consistent state and that mapping new volumes to the backup system works properly.

FMM0845E **The volume manager of your profile is not set to ASM, the found value is '*serial*'. Ensure that you have set the right volume manager in your profile.**

Explanation: The value for volume manager in the profile is wrong.

System action: Processing ends.

User response: Set the volume mangager in the profile to ASM.

FMM0846E **You have SDD installed on your system, but SDD is currently not supported by this product when using Oracle ASM.**

Explanation: The value for volume manager in the profile is wrong. SDD is not supported for ASM, only SDDPCM and MPIO are supported for ASM.

System action: Processing ends.

User response: Install SDDPCM or use MPIO only.

FMM0847E **Error occured while checking the 'db2nodes.cfg' on the production system and on the clone system. The 'db2nodes.cfg' on the production system contains** *production system entries* **entries, whereas the 'db2nodes.cfg' on the clone system contains** *clone system entries* **entries.**

Explanation: The DB2 partition configuration file (db2nodes.cfg) on the production system has a different number of partition configuration entries than its counterpart on the clone system.

System action: Processing ends.

User response: Verify the number of partition configuration entries of the DB2 partition configuration file (db2nodes.cfg) on the production system as well as on the clone system. The number of entries within each of these files have to have identical.

FMM0848E **Error occured while checking the 'db2nodes.cfg' on the production system and on the clone system. The database partition** *partition number* **configured on the production system is not configured on the clone system.**

Explanation: The DB2 partition configuration file (db2nodes.cfg) on the production system has a partition configured which is not configured in the DB2 partition configuration file (db2nodes.cfg) on the clone system.

System action: Processing ends.

User response: Verify that all partitions configured in the DB2 partition configuration file (db2nodes.cfg) on the production system are configured denoted by the same partition number on the clone system as well.

FMM0849E **Error occured while checking the 'db2nodes.cfg' on the production system and on the clone system. The hostname '***host name***' where partition** *partition number* **resides is contained in the 'db2nodes.cfg' on the production system as well as on the clone system. Either the setup of the 'db2nodes.cfg' file on the clone system is wrong or the clone system was configured on the same host as the production system.**

Explanation: The DB2 partition configuration file (db2nodes.cfg) on the production system contains at least for the named partition the same host entry like its counterpart on the clone system.

System action: Processing ends.

User response: Verify that the DB2 partition configuration file (db2nodes.cfg) on the clone system is valid. Further ensure, that the mount agent (process credentials: acsgen -D -M) is running on the clone system, which has to be a different host than the production system.

FMM0850I **To synchronize the volume groups that have stale partitions you can use the following commands:**

Explanation: IBM Tivoli Storage FlashCopy Manager does not automatically synchronize the copies after the reconstruction of the LVM mirror during a FlashCopy restore. A basic command will be created and printed out.

System action: Processing ends.

User response: You have to start the synchronization of the LVM mirror manually for example after a FlashCopy restore when the background copy process in the storage system has finished. If necessary you have to add or change parameters to the commands to improve the performance of the synchronization.

FMM0851E **The copyservices timeout value of** *fsname* **minutes was reaced while waiting for an answer of the copyservices CIM agent. Specify increase the value of the profile parameter COPYSERVICES_TIMEOUT in the DEVICE_CLASS section of the profile, to increase the timeout limit. The default value of this parameter is 6 minutes.**

Explanation: The communication with the copyservices CIM agent terminated after the timeout value specified by the COPYSERVICES_TIMEOUT parameter was already exceeded.

System action: Processing stops.

User response: Increase the timeout value for the COPYSERVICES_TIMEOUT parameter.

FMM0852E **It is not allowed to establish a second incremental FlashCopy relation from a source volume** *source volume* **to a target volume** *target volume* **while another incremetal FlashCopy relation from the same source volume to a different target volume already exists.**

Explanation: The IBM System Storage® DS8000® does only support to have one incremetal FlashCopy relation from a source to a target.

System action: Processing stops.

User response: Use a different value for profile parameter FLASHCOPY_TYPE (COPY or NOCOPY) or reuse the existing incremental relations by using the same device class and target set for the restart of the backup operation.

FMM0853E **During the mount operation IBM Tivoli Storage FlashCopy Manager identified that the following source volumes are visible on the backup or cloning system '*host name*'. This can be caused by misconfiguration in the storage system or by misconfiguring the IBM Tivoli Storage FlashCopy Manager backup or cloning system to the same host as the production system. List of visible source volumes:** *source volumes*

Explanation: The IBM System Storage DS8000 does only support to have one incremetal FlashCopy relation from a source to a target.

System action: Processing stops.

User response: Use a different value for profile parameter FLASHCOPY_TYPE (COPY or NOCOPY) or reuse the existing incremental relations by using the same device class and target set for the restart of the backup operation.

FMM0854E **During the mount operation IBM Tivoli Storage FlashCopy Manager identified that the following target volumes are not visible on the backup or cloning system '*host name*'. List of missing target volumes:** *target volumes*

Explanation: The IBM System Storage DS8000 does only support to have one incremetal FlashCopy relation from a source to a target.

System action: Processing stops.

User response: Use a different value for profile parameter FLASHCOPY_TYPE (COPY or NOCOPY) or reuse the existing incremental relations by using the same device class and target set for the restart of the backup operation.

FMM0855E **During the mount operation IBM Tivoli Storage FlashCopy Manager identified that the following target volumes are not visible on the ESX host '*host name*'. List of missing target volumes:** *target volumes* **Either the volumes could not be assigned to the host correctly or you used PRE_ASSIGNED_VOLUMES for the TARGET_SETS parameter in your Device Class section and the target volumes are not assigned to this ESX host.**

Explanation:

System action: Processing stops.

User response: Check the error log for detailed information.

FMM0856E **The datastore '*datastore name*' cannot be attached to the ESX host: '*host name*', the datastore is already attached to another ESX host. You must detach the data store that is currently attached to the ESX host and try the task again.**

Explanation:

System action: Processing stops.

User response: Check the error log for detailed information.

FMM0857E **The virtual disks of the source virtual machine '*source vm name*' cannot be attached because a disk is already attached to a target virtual machine. Detach all virtual disks of the source virtual machine and try the attach task again.**

Explanation: Because a virtual disk is already attached to the target virtual machine, the virtual disks of the source virtual machine cannot be attached.

System action: Processing stops.

User response: On the target virtual machine, detach all virtual disks. Try to attach the virtual disks from the source virtual machine to the target virtual machine again.

FMM1000E **syntax error in line** *line* **: '***statement***'**

Explanation: The statement *statement* in the Data Protection for SAP profile is unknown or incorrect.

System action:

User response: Correct the error and try again.

FMM1001E **syntax error in file '***file name***'. Exiting program.**

Explanation: A syntax error has been detected in the file *file name* and the action has been halted.

System action:

User response: Correct the error(s) in the file *file name* and try again.

FMM1002E **BACKUPIDPREFIX must be** *number_of_characters* **characters !**

Explanation: The length of BACKUPIDPREFIX must be *number_of_characters* characters.

System action:

User response: Enter a BACKUPIDPREFIX with the required length (for example, SAP___, FMM___).

FMM1003W Please set *redolog_copies* to a number between *min_copies* and *max_copies a*. Now it is set to *act_copies*.

Explanation: Data Protection for SAP currently supports 1 to 9 copies of offline (redo) log files.

System action:

User response: Adapt the REDOLOG_COPIES settings in the Data Protection for SAP profile.

FMM1004W You should specify the BACKUPIDPREFIX before the TRACEFILE statement. So that the BACKUPIDPREFIX can be used in the tracefilename.

Explanation: The BACKUPIDPREFIX is used to build the Name of the tracefile. Therefore, BACKUPIDPREFIX must be specified before the TRACEFILE statement.

System action:

User response: Define a 6–character BACKUPIDPREFIX in the Data Protection for SAP profile (for example, SAP___, FMM___)

FMM1006E The SERVERNAME must be less than *max_char* characters.

Explanation: You have used a SERVERNAME with more than max_char characters.

System action:

User response: Use a shorter SERVERNAME.

FMM1007E The NODENAME must be less than *max_char* characters.

Explanation: You have used a NODENAME with more than max_char characters.

System action:

User response: Use a shorter NODENAME.

FMM1008E The MANAGEMENTCLASSNAME must be less than *max_char* characters.

Explanation: You have used a MANAGEMENTCLASSNAME with more than *max_char characters*.

System action:

User response: Use a shorter MANAGEMENTCLASSNAME.

FMM1009W Please set MULTIPLEX to a number between 1 and *max_multiplex*. Now it is set to *act_multiplex*.

Explanation: You have set multiplexing to an unsupported number. Data Protection for SAP now uses *act_multiplex*.

System action:

User response: Set multiplexing to a number between 1 and max_multiplex.

FMM1011W The sortfilename '*sortfile_filename*' should be absolute!

Explanation: None.

System action:

User response: Specify an absolute file name, for example /oracle/C21/dbs/sortfile.

FMM1012E Configfile not found or permission denied: '*configuration_filename*'.

Explanation: Data Protection for SAP is unable to read the file *configuration_filename*.

System action:

User response: This error could have various reasons, try the following: 1. Check the path of the configuration file. The path must be specified in the profile (parameter CONFIG_FILE). 2. Make sure that the file access permissions are set correctly.

FMM1013E Profile not found or permission denied: '*profile_filename*'.

Explanation: Data Protection for SAP is unable to open the profile profile_filename.

System action:

User response: (Oracle) Ensure that the SAP backup profile init<SID>.sap contains a valid entry util_par_file for the Data Protection for SAP profile. (DB2) Ensure that the vendor environment file contains a valid entry XINT_PROFILE. Furthermore, this file must be readable by Data Protection for SAP.

FMM1014I Operation *function* completed successful.

Explanation: This information message in the summary log tells you that a requested operation completed successfully.

System action: The operation completed successfully.

User response: No user response is needed.

FMM1015E Operation *function* completed with error.

Explanation: This information message in the summary confirms that a requested operation failed.

System action: The operation failed.

User response: Check the summary log and the detailed log used by the failed operation in order to identify the failure.

FMM1016W The tracefilename '*file name*' could not be opened for writing!

Explanation: The trace file could not be opened for writing.

System action:

User response: Ensure that you have specified a correct path for the trace file.

FMM1017E The server *server* is already defined. Please use another name or specify TCP_ADDRESS!

Explanation: The named server was already defined in the profile. Server stanzas with identical names are not allowed unless the keyword TCP_ADDRESS is defined in one of them.

System action:

User response: Update the profile accordingly and try again.

FMM1019E Failed to respond to a message received from XINT.

Explanation: This messages indicates an internal error.

System action:

User response: Contact IBM Support.

FMM1021E *component_name* terminates the connection due to a previous error.

Explanation: A serious error has occurred which caused a shutdown of the communication channel between the *component_name* process and this application.

System action:

User response: Look for previous error messages to detect the root cause of the problem.

FMM1022E *component_name* terminates the connection due to a previous error.

Explanation: See message FMM1021E.

System action:

User response: See message FMM1021E.

FMM1023W Could not establish connection to log server *log server name*.

Explanation: In the Data Protection for SAP profile, log server log *server name* is specified (keyword LOG_SERVER). However, a connection to the server named could not be established. No log records are sent to the log server.

System action:

User response: • Check that the server name defined with keyword LOG_SERVER is spelled correctly in the Data Protection for SAP profile. • Make sure there is a SERVER section in the profile for the log server defined with keyword LOG_SERVER. • Check the corresponding SERVER section and correct any setup problems. • Make sure that the log server named is available.

FMM1024E The file *filename* occurs twice in the <infile>

Explanation: The named file name occurs multiple times in the infile which is a violation of the interface specification.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM1025E You must use consistency groups when using ASM. Set the profile parameter '*profile param*' accordingly.

Explanation: The profile specified that consistency groups should not be used. However, ASM requires the use of consistency groups.

System action: Processing ends.

User response: Update your profile accordingly.

FMM1026E Writable snapshots must be used when running in an LVM mirroring environment. Update the profile parameter '*profile param*' accordingly.

Explanation: The profile specified that writable snapshots should not be used. However, writable snapshots must be used in LVM mirroring environments.

System action: Processing ends.

User response: Update your profile accordingly.

FMM1027E The mount operation failed. Although an unmount operation can clean up the backup system, in some cases this is not possible and the cleanup must be performed manually. In this case, the unmount operation should be started after cleanup in order to start another mount operation.

Explanation: The mount operation failed. Although an unmount operation can clean up the backup system, in some cases this is not possible and the cleanup must be performed manually. In this case, the unmount operation should be started after cleanup in order to start another mount operation.

System action: Processing ends.

User response: To cleanup your backup system, try to unmount the backup using tsm4acs. If the unmount operation does not succeed, clean up your backup system manually and use tsm4acs again to unmount the backup.

FMM1029W Device '*device*' could not be opened. Received error message from the operating system: '*error_message*'. This device might cause the current FlashCopy Manager operation to fail.

Explanation: The specified device could not be opened.

System action: Processing continues.

User response: Check the device for errors.

FMM1030E The operating system refused a request for memory allocation.

Explanation: IBM Tivoli Storage FlashCopy Manager requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.
- The process in which the program runs has exceeded the maximum memory that it is allowed to allocate.
- Some other error condition occurred that caused the program to think it is out of memory.

System action: IBM Tivoli Storage FlashCopy Manager cannot complete the requested operation.

User response: Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units.

For UNIX systems that support resource limits, check to see b if the memory resource limit is too low by entering the following command: `ulimit -a`

Based on the resulting data, you can ask the UNIX system root user to increase resource limits so that it will override the current default. The UNIX system root user has the authority to increase resource limits.

FMM1031I The tape backup received this ID: '*tape_backup_id*'.

Explanation: The tape backup received the specified ID. The backup is available for restore from tape with this ID as soon as the tape backup completed successfully.

System action: Processing continues.

User response: No action required.

FMM1032E The nodes of PARTITION_GROUP '*partition_group_name*' are associated with multiple device classes: '*first_device_class*', '*second_device_class*'

Explanation: Multiple device classes are used with the same partition group. Only one device class can be used for all nodes that belong to one partition group.

System action: Processing ends.

User response: Use only one device class for the specified partition group in the profile.

FMM1033W The backup '*backup_id*' is not expired because it is still valid in the repository. You can either manually delete this backup or set the parameter MAX_VERSIONS to ADAPTIVE. Note that this parameter setting turns off snapshot expiration.

Explanation: The specified backup is still valid and cannot be expired.

System action: Processing ends.

User response: Manually delete the specified backup or set the parameter MAX_VERSIONS to ADAPTIVE. Note that this parameter setting turns off snapshot expiration.

FMM1039E Aborting backup. Another backup with ID '*backup_id*' is already mounted on backup server: '*host*'.

Explanation: After the backup completes, a mount operation is required to verify that it is a valid backup. Another backup with the same mountpoints is already mounted on the same backup server. As a result, the mount operation is not attempted and the backup ends to prevent it from failing.

System action: Processing ends.

User response: You can either unmount the specified backup from the specified backup server, or if an automated tape backup is running, wait until it completes.

FMM1040E An exception occured in the operating system adapter component, exception text: *extext*.

Explanation: An exception occured in the operating system adapter component.

System action: Processing ends.

User response: Contact IBM support.

FMM1041E Failed to identify the default DB2 instance of user *DB2 instance owner*. **Please set the DB2 environment variable DB2INSTANCE correctly.**

Explanation: The default DB2 instance could not be identified.

System action: Processing ends.

User response: The environment variable DB2INSTANCE has to be set to a valid value.

FMM1042E The entry in the FLASH_DIR_LIST file is not a valid file or directory: *entry*.

Explanation: It is also possible to flash or clone non database related files or directories. IBM Tivoli Storage FlashCopy Manager checks whether the files or directories specified in the FLASH_DIR_LIST exist prior the flash or cloning operation is started.

System action: Processing ends.

User response: Verify the reported invalid entry in the FLASH_DIR_LIST file and revise the entry accordingly.

FMM1043E The environment is set up for the wrong database instance: '*wrong instance***'. Expected instance '***expected instance***'.**

Explanation: The name of the instance returned by the dbms does not match the expected instance name. The expected instance name is taken either from the environment variable ORACLE_SID or can be overidden with the command line option '-d <database_name>'.

System action: Processing ends.

User response: Make sure the environment variable ORACLE_SID is set correctly or specify the instance name with the command line option '-d <database_name>'.

FMM1044E The section CLONING is missing from the profile.

Explanation: To perform any of the cloning realated functions the section CLONING must be added to the IBM Tivoli Storage FlashCopy Manager profile.

System action: Processing ends.

User response: Add the section CLONING to the IBM Tivoli Storage FlashCopy Manager profile.

FMM1045E The parameter TARGET_SETS VOLUMES_DIR must not be used for cloning operations.

Explanation: TBD_AU

System action: Processing ends.

User response: TBD_AU

FMM1046E FlashCopy Cloning is not supported with FLASHCOPY_TYPE NOCOPY. Please specify COPY or INCR instead.

Explanation: TBD_AU

System action: Processing ends.

User response: TBD_AU

FMM1047E Expected keyword '*expected keyword***' but found '***wrong keyword***'.**

Explanation: During IBM Tivoli Storage FlashCopy Manager profile parsing a wrong keyword was found whereas another keyword was expected.

System action: Processing ends.

User response: Check the IBM Tivoli Storage FlashCopy Manager profile section containing the wrong keyword and adjust it accordingly.

FMM1048E Device section '*device section***' can not be used for cloning. Either add 'USE_FOR_CLONING <SID>' to reserve this device class for cloning operations or choose another device class.**

Explanation: The referred device class cannot be used for cloning operations.

System action: Processing ends.

User response: A possible solution is to either add 'USE_FOR_CLONING <SID>' to reserve this device class for cloning operations or to choose another device class instead.

FMM1049E No DEVICE_CLASS found that can be used for the current FlashCopy Cloning operation with the clone database name specified with the command line option -C <Clone DBname>.

Explanation: No device class section in the IBM Tivoli Storage FlashCopy Manager profile could be found which is eligible for cloning operations.

System action: Processing ends.

User response: Check the value of the

'USE_FOR_CLONING' argument of the DEVICE_CLASS parameter in the CLONING section of your profile.

FMM1050E The mandatory argument *argument* as part of the device class parameter *device class* does not exist.

Explanation: For some operations, e.g. cloning, a dedicated device class section must be specified in the IBM Tivoli Storage FlashCopy Manager profile. This is done by attaching a special mandatory argument string to the device class parameter.

System action: Processing ends.

User response: Add the mandatory argument to the favoured device class section parameter.

FMM1051E The keyword '*use_for_cloning_keyword*' is needed for the keyword TARGET_NAMING in the device class '*device class*' because this device class is used for cloning.

Explanation: The keyword TARGET_NAMING requires the specified keyword if the device class is used for cloning.

System action: Processing ends.

User response: Specify the specified keyword for TARGET_NAMING.

FMM1052E The parameter TARGET_NAMING of the device class '*device class*' is not configured for cloning of the database instance '*instance*'.

Explanation: To be able to use a dedicated device class for cloning operations it has to have setup for that special type of operations. To mark it accordingly, the device class argument 'USE_FOR_CLONING' followed by the name (or SID) of the database instance to be cloned has to have attached to the device class profile parameter TARGET_NAMING.

System action: Processing ends.

User response: Update the favoured device class parameter in the IBM Tivoli Storage FlashCopy Manager profile.

FMM1053E Failed to identify the default DB2 instance of user '*user name*'. The environment variable DB2INSTANCE is missing.

Explanation: The default DB2 instance could not be detected due to the required environment variable DB2INSTANCE is not set.

System action: Processing ends.

User response: Set the DB2 environment variable DB2INSTANCE accordingly.

FMM1054E Failed to attach to the DB2 instance '*instance*'.

Explanation: The process was unable to attach to the specified DB2 instance.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1055E Failed to get the DB2 database manager configuration.

Explanation: The process was unable to get the DB2 database manager (instance) configuration.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1056E Failed to detach from the DB2 instance '*instance*'.

Explanation: The process was unable to detach from the specified DB2 instance.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1057E Failed to query the DB2 client settings.

Explanation: The process was unable to query the DB2 client settings.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1058E Failed to set the DB2 client parameters.

Explanation: The process was unable to set the DB2 parameters.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1059E Recovery of the DB2 database '*database alias*' failed.

Explanation: The database rollforward recovery failed.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details.

FMM1060E Failed to set the DB2 database configuration for database '*database alias*'.

Explanation: The process was unable to set the DB2 database configuration.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1061E Failed to get the DB2 database configuration for database '*database alias*'.

Explanation: The process was unable to get the DB2 database configuration.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1062E Failed to mount the database on host '*hostname*'. This is the output of the failed command:*output*

Explanation: The process was unable to mount the database instance.

System action: Processing ends.

User response: Examine the output of the failed command to get further details about the root cause of this failure.

FMM1063E Failed to identify the log path for partition *partition number*.

Explanation: The process was unable to detect the log path for a dedicated database partition.

System action: Processing ends.

User response: Check the application logs as well as the DB2 diag log (db2diag.log) for further details. If the issue could not be resolved please contact your DB2 administrator.

FMM1064E Failed to identify the current working directory.

Explanation: The process was unable to detect the current working directory. An indication for that issue is that read or search permission was denied for a component of the directory name.

System action: Processing ends.

User response: Check the application logs as well as the access rights and permissions of the working directory.

FMM1065E Failed to change working directory to '*directory*' Error: *error number*: *error text*.

Explanation: The process was unable to change the current working directory. Indicators for that issue are that the search access is denied for the named directory, that the named directory does not exist or that the named directory is not a directory.

System action: Processing ends.

User response: Check the application logs as well as the access rights and permissions of the new working directory and whether the directory does exist.

FMM1066E Failed to create symbolic link from '*directory/new instance*' to '*instance*' Error: *error number*: *error text*.

Explanation: The process was unable to create a symbolic link to the specified location. Indicators for that issue are that an object of that name already exists, that insufficient access rights and privileges prevent the creation of the link or there might be no free space left on the file system containing the directory.

System action: Processing ends.

User response: Check the application logs as well as the access rights, privileges and free space of the file system where the link is to be placed.

FMM1067E Entry in the storage path file '*file*' is not a valid file or directory: '*directory*'.

Explanation: TBD_AU

System action: Processing ends.

User response: TBD_AU

FMM1068E The clone instance on the clone system is running.

Explanation: Actually, the clone instance on the clone system is running. Prior another operation can be started the clone instance needs to be stopped.

System action: Processing ends.

User response: Stop the clone instance.

FMM1069E **The clone instance on the clone system is not running.**

Explanation: Actually, the clone instance on the clone system is not running. Prior another operation can be started the clone instance needs to be started.

System action: Processing ends.

User response: Start the clone instance.

FMM1070E **Due to a mount agent is already registered on backup system '***backup system***' additional mount agents have to have registered using different device classes.**

Explanation: On the same backup system multiple mount agents can only run on that sytem simultaneously if they are supporting different device classes.

System action: Processing ends.

User response: Specify a not already used device class using the '-s <device class>' option when starting the mount agent on the backup system.

FMM1071E **A mount agent is already registered on backup system '***backup system***' using the device class '***device class***'. Additional mount agents have to have registered using different device classes.**

Explanation: On the same backup system multiple mount agents can only run on that sytem simultaneously if they are supporting different device classes.

System action: Processing ends.

User response: Specify a not already used device class using the '-s <device class>' option when starting the mount agent on the backup system.

FMM1072E **Due to another mount agent is already registered on backup system '***backup system***' using device class '***device class***' and node(s) '***list of nodes***' additional mount agents on host '***backup system***' have to have registered using different nodes instead of '***list of nodes***'.**

Explanation: Multiple mount agents on the same backup system can run simultaneously only if they are supporting different device classes. Multiple mount agents on different backup systems using the same device class can run simultaneously only if they are supporting different nodes.

System action: Processing ends.

User response: Specify a not already used device class, whereas all participating backup system have to have considered, using the '-s <device class>' option when starting the mount agent on the backup system. If the same device class should be used on different backup systems specify the nodes of the backup system using the the '-N <comma separated list of nodes>' option when starting the mount agent on the backup system.

FMM1073E **The clone database name** *database name commandline* **specified with the command line option -C does not match with the database names** *database name cloningsection* **specified in the DEVICE_CLASS parameter of the CLONING section.**

Explanation: The database names specified with the command option -C and with one of the DEVICE_CLASS profile parameters have to have identical.

System action: Processing ends.

User response: Correct either of the database names.

FMM1074E **A FlashCopy clone was requested for clone database** *database name* **and device class** *device class* **but the parameter CLONE_DATABASE YES is not specified in this device class section.**

Explanation: For cloning operations the IBM Tivoli Storage FlashCopy Manager profile parameter CLONE_DATABASE set to YES has to have specified in the corresponding device class section.

System action: Processing ends.

User response: Please use a device class that has specified the parameter CLONE_DATABASE YES.

FMM1075E **A FlashCopy backup was requested for device class** *device class* **but the parameter CLONE_DATABASE YES is specified in this device class.**

Explanation: For FlashCopy backup operations the corresponding IBM Tivoli Storage FlashCopy Manager profile device class section must not contain the parameter CLONE_DATABASE set to YES.

System action: Processing ends.

User response: Please use a device class that has not specified the parameter CLONE_DATABASE YES.

FMM1076E **The target set '***target set***' is used for a backup with ID '***backup ID***'. It cannot be used as target set for cloning.**

Explanation: Target sets used for FlashCopy backups are not eligible for cloning.

System action: Processing ends.

User response: Please delete the FlashCopy backup first.

FMM1077E The target set '*target set*' is used for a clone with ID '*backup ID*'. It cannot be used as target set for backup.

Explanation: Target sets used for clones are not eligible for FlashCopy backups.

System action: Processing ends.

User response: Please delete the clone first.

FMM1078E The operation *name* cannot be started due to the FlashCopy clone(s) '*target set*' is/are still copying data in the storage system from source to target.

Explanation: As long as a background copy process is running no other operations using the same target sets can be started.

System action: Processing ends.

User response: Either wait until the background copy in the storage system has finished or delete the clone(s) immediately and restart the operation.

FMM1079E The data container '*container ID*' is already subject of the operation.

Explanation: This error is not expected.

System action: Processing ends.

User response: Collect all IBM Tivoli Storage FlashCopy Manager logs and traces (from production and backup system) and send them to IBM Tivoli support.

FMM1080E The database to be cloned has to have specified, because multiple databases have been found within this instance.

Explanation: If multiple database instances found on one system, the one to be cloned has to have specified.

System action: Processing ends.

User response: Specify the database to be cloned by specifying the command option '-d' followed by the database name.

FMM1081E Unable to detect the database environment.

Explanation: The operation requires special environment settings, e.g. the database instance owner environment.

System action: Processing ends.

User response: Please run the command as database instance owner.

FMM1082E Checking the clone system status of the database '*database name*' failed.

Explanation: Most of the cloning functions require some state and integrity checks on the production system as well as on the backup/clone system prior the requested operation starts. The requested operation continues if the integrated check routine succeeded.

System action: Processing ends.

User response: Check the application logs for further details.

FMM1083E Flashcopy of the database failed with rc *return code*.

Explanation: The FlashCopy backup, part of the cloning workflow, failed.

System action: Processing ends.

User response: Check the application logs for further details.

FMM1084E Database profile '*profile name*' not found.

Explanation: The named database profile does not exist or is not accessible by the current user.

System action: Processing ends.

User response: The database profile name can be specified in the profile for IBM Tivoli Storage FlashCopy Manager with the parameter TARGET_DATABASE_PARAMETER_FILE. Verify that the parameter is specified correctly and that the current user has read permssions. The default for the value of this paraemeter (if not specified in the profile for IBM Tivoli Storage FlashCopy Manager) is $ORACLE_HOME/dbs/init$ORACLE_SID.ora.

FMM1085E No database control file found.

Explanation: During the creation of a database clone no database control file was found on the flashcopied volumes.

System action: Processing ends.

User response: Ensure that at least on control file copy resides on the same volumes as the data file or the online redo log files.

FMM1086E Failed to start the database in nomount mode. This is the output of the failed command:

Explanation: The process was unable to start the database instance without mounting the database files.

System action: Processing ends.

User response: Examine the output of the failed

command to get further details about the root cause of this failure.

FMM1087E Failed to rename the database. This is the output of the failed command: '*command output*'

Explanation: During the rename of the database from the production instance name to the clone instance name an error has occured.

System action: Processing ends.

User response: Examine the output of the failed command to get further details about the root cause of this failure.

FMM1088E For cloning functions the name of the clone database must be specified.

Explanation: For all cloning functions the name of the clone database must be specified.

System action: Processing ends.

User response: Specify the option '-C <clone database name>'.

FMM1089E For cloning functions the name of the clone instance owner must be specified.

Explanation: For all cloning functions the name of the clone instance owner must be specified.

System action: Processing ends.

User response: Specify the option '-u <clone instance owner>'.

FMM1090E For the pre-processing function the pre-processing configuration file must be specified.

Explanation: For the pre-processing function the name of the pre-processing configuration file is required.

System action: Processing ends.

User response: Specify the option '-X <configuration file>'.

FMM1091E For the post-processing function the post-processing configuration file must be specified.

Explanation: For the post-processing function the name of the post-processing configuration file is required.

System action: Processing ends.

User response: Specify the option '-Y <configuration file>'.

FMM1092E Script terminated with errors. Return code is: *return code*

Explanation: The execution of a script terminated with an error.

System action: Processing ends.

User response: Check the application logs for further details.

FMM1093E Script '*script name*' could not assigned to either shell scripts or SQL scripts.

Explanation: For FlashCopy cloning pre-processing and post-processing tasks, either shell scripts or SQL scripts can be used. These scripts will be entered either in the pre-processing configuration file or in the post-processing configuration file. The identifier whether it is a shell script or a SQL script is a dedicated suffix string of the script itself. Is the suffix string of type 'sh' then it is handled internally as a shell script, whereas if the suffix string is of type 'sql' it is handled internally as a SQL script. Other suffix strings are not eligible. Such scripts will not be handled or executed.

System action: Processing ends.

User response: Check the script entries in either the pre-processing or post-processing configuration file and adjust the contained script names accordingly.

FMM1094E Script file '*script name*' not found.

Explanation: A script file to be executed as part of either pre-processing or post-processing could not be found.

System action: Processing ends.

User response: Check the script entries in either the pre-processing or post-processing configuration file and adjust the contained script names accordingly.

FMM1095E The physical location of the pre-processing or post-processing configuration file and the script '*script name*' is different.

Explanation: The physical location of the pre-processing or post-processing configuration file and their containing scripts to be executed has to have identically..

System action: Processing ends.

User response: Ensure the pre-processing or post-processing configuration file and their containing scripts are stored under the same physical location.

FMM1096E The script '*script name*' is a symbolic link.

Explanation: The named script entry in either the pre-processing or post-processing configuration file is a symbolic link, which is not allowed.

System action: Processing ends.

User response: Ensure that any script entry in either the pre-processing or post-processing configuration file is not a symbolic link.

FMM1097E The user '*user name*' is not owner of the script '*script name*'.

Explanation: If the named pre-processing or post-processing script is owned by the root-user, anyone can execute that script. Further, if the named pre-processing or post-processing script is not owned by the root-user, it can only by executed by the user who owns that script.

System action: Processing ends.

User response: Check the ownership of the named script and if necessary adjust them accordingly.

FMM1098E The user '*user name*' configured for script '*script name*' is actually not applied on the system.

Explanation: The named user, who is configured to execute the named script does not exist on the system.

System action: Processing ends.

User response: Check the applied user on the system and either update the pre-processing or post-processing configuration for a different existent user or add the configured user credentials to the system.

FMM1099E The pre-processing or post-processing configuration file '*file name*' is not found.

Explanation: The named pre-processing or post-processing configuration file is containing the scripts to be executed could not be found on the backup/clone system, where the pre-processing or post-processing will be executed.

System action: Processing ends.

User response: Check the name of the specified pre-processing or post-processing configuration file and check whether it exists on the backup/clone system.

FMM1122E The pre-processing or post-processing configuration file '*file name*' does not contain any data record.

Explanation: The named pre-processing or post-processing configuration file is empty which means it does not contain any entry to be processed.

System action: Processing ends.

User response: Either specify the correct pre-processing or post-processing configuration file or add one or multiple valid data records (scripts) to it.

FMM1123E Failed to open the database: *output*

Explanation: After creating a database clone IBM Tivoli Storage FlashCopy Manager was not able to open the database.

System action: Processing ends.

User response: Examine the output of the failed command to get further details about the root cause of this failure.

FMM1154E The only valid profile values for the keyword '*keyword*' are '*val1*' and '*val2*'.

Explanation: Invalid values were given in the profile for the specified keyword.

System action: Processing ends.

User response: Change the profile so that the recommended values for the specified keyword are valid.

FMM1158T Service *service* **not completed**

Explanation:

System action:

User response:

FMM1161E Failed to recover the database. This is the output of the failed command:

Explanation: The recovery of the database has failed.

System action: Processing ends.

User response: Examine the output of the failed command to get further details about the root cause of this failure.

FMM1162E Failed to determine the online redo logs. Output of the failed command: *output*

Explanation: IBM Tivoli Storage FlashCopy Manager failed to detect the names of the online redolog files of the database.

System action: Processing ends.

User response: Examine the output of the failed command to get further details about the root cause of this failure.

FMM1163W Script terminated with warnings.

Explanation: The execution of a script terminated with one or multiple warnings. The overall operation might be finished successfully. Nevertheless, to avoid subsequent more critical issues it is highly recommended to check and resolve the root cause of the warning to guarantee the operational consistency of the system in the future.

System action: Processing continues.

User response: Check the application logs for further details.

FMM1164I Renaming file system <*old file system name***> to <***new file system name***>**

Explanation: The named file system is going to be renamed.

System action: Processing continues.

User response: None.

FMM1165I Recovering the database *database name***.**

Explanation: The named database is going to be recovered.

System action: Processing continues.

User response: None.

FMM1166I Switching LOGRETAIN and USEREXIT off for database *database name***.**

Explanation: The log archiving for the named database is switched off.

System action: Processing continues.

User response: None.

FMM1167I Creating relocate configuration file for database *database name***.**

Explanation: The relocate configuration file required as input for the relocate database command is going to be created for the named database.

System action: Processing continues.

User response: None.

FMM1168I Creating the storage path directories for database *database name***.**

Explanation: The storage paths for the named database are going to be created.

System action: Processing continues.

User response: None.

FMM1169I Relocating database partitions *partition list* **of database** *database name***.**

Explanation: The named database partitions of the specified database are going to be relocated.

System action: Processing continues.

User response: None.

FMM1170I Cloning database *database name***.**

Explanation: The named database is going to be cloned.

System action: Processing continues.

User response: None.

FMM1171I No rename required.

Explanation: The original database name and the cloned database name is equal. Therefore, no re-naming of the cloned database name is required.

System action: Processing continues.

User response: None.

FMM1172I Preparing recovery of database *database name***.**

Explanation: The named cloned database is going to be prepared for the recovery.

System action: Processing continues.

User response: None.

FMM1173I Renaming database *old database name* **to** *new database name***.**

Explanation: The cloned database is going to be renamed.

System action: Processing continues.

User response: None.

FMM1174I Checking the clone system status of the database *database name***.**

Explanation: The system status of the named database is going to be checked, e.g. whether the database is running.

System action: Processing continues.

User response: None.

FMM1175I Successfully checked the clone system status of the database *database name***.**

Explanation: The system status of the named database was checked successfully. Operation can continue.

System action: Processing continues.

User response: None.

FMM1176I Restore control file *file name***.**

Explanation: The named control file is going to be restored.

System action: Processing continues.

User response: None.

FMM1177I Performing media recovery.

Explanation: A media recovery is going to be started.

System action: Processing continues.

User response: None.

FMM1178I Opening the clone instance *instance name***.**

Explanation: The clone instance is going to be opened.

System action: Processing continues.

User response: None.

FMM1179I Function '*function name***' does not consider the post-processing configuration file.**

Explanation: The post-processing configuration file is not considered, e.g. if a pre-processing operation was started.

System action: Processing continues.

User response: None.

FMM1180I Function '*function name***' does not consider the pre-processing configuration file.**

Explanation: The pre-processing configuration file is not considered, e.g. if a post-processing operation was started.

System action: Processing continues.

User response: None.

FMM1181I Executing *script type* **script '***script name***'.**

Explanation: The named script is going to be executed. The type of the script is of either 'shell' or 'SQL'.

System action: Processing continues.

User response: None.

FMM1182I Script terminated successfully.

Explanation: The script has terminated successfully.

System action: Processing continues.

User response: None.

FMM1183E The parameter '*keyword***' must have a length of '***length***' characters. "**

Explanation: An invalid length was specified in the profile for the value of the specified keyword.

System action: Processing ends.

User response: Change the specified profile parameter to an allowed length.

FMM1200E Profile parameter '*keyword***' is set to YES but freeze/thaw is not supported by the underlying file system.**

Explanation: The freeze and thaw operation is not supported by the used file sytem but the profile options specify that it be used.

System action: Processing ends.

User response: Change your profile so that it does not use freeze and thaw.

FMM1201E There are no Tivoli Storage Manager–Servers available.

Explanation: Data Protection for SAP cannot locate a Tivoli Storage Manager server. This may be due to a configuration problem or to a problem while trying to connect to the Tivoli Storage Manager server. Most probably, a preceding error message points to the cause of the problem.

System action:

User response: Look for and respond to preceding error messages. You may also want to check the Data Protection for SAP profile and the IBM Tivoli Storage Manager client options and client system options files.

FMM1202E You must specify either MAX_SESSIONS, or all three specific session options (MAX_ARCH_SESSIONS, MAX_BACK_SESSIONS, and MAX_RESTORE_SESSIONS).

Explanation: Information on the number of Tivoli Storage Manager client sessions to be established by Data Protection for SAP is missing from the profile.

System action:

User response: In the Data Protection for SAP profile, either specify a value for keyword MAX_SESSIONS, or specify values for the three specific session parameters

(MAX_ARCH_SESSIONS, MAX_BACK_SESSIONS, and MAX_RESTORE_SESSIONS). Any of the specific options can be specified in combination with MAX_SESSIONS. Then, it overrides the value of MAX_SESSIONS for the specific function.

FMM1203E Not enough sessions available (*sessions* required and *max_sessions* available).

Explanation: The sum of available sessions specified in the various server statements (parameter SESSIONS) does not cover the required number of sessions (parameter MAX_SESSIONS).

System action:

User response: Change the values of the corresponding parameters in the Data Protection for SAP profile, so that the condition mentioned in the explanation is fulfilled.

FMM1205E If you want *num_redo* REDOLOGCOPIES you should give me at least *num_mc* different Archive Management Classes.

Explanation: Data Protection for SAP requires that the number of different Archive Management Classes (parameter BRARCHIVEMGTCLASS) on the Tivoli Storage Manager servers is equal to or greater than the number of redo log or log file copies (parameter REDOLOG_COPIES).

System action:

User response: Define at least as many different Archive Management Classes as log file copies requested.

FMM1206W If you want *num_redo* REDOLOGCOPIES you should give me at least *num_mc* different Archive Management Classes.

Explanation: The message appears during a BRBACKUP run. A BRARCHIVE run afterwards would fail.

System action:

User response: Define at least as many different Archive Management Classes as log file copies requested.

FMM1207E Directory backup not supported.

Explanation: This option is not yet available.

System action:

User response: Wait for a future release of Data Protection for SAP, which supports this option.

FMM1208W Retrying object: '*file name*'. Retry count: [*retry_num*].

Explanation: An error occurred while processing object *file name*. Data Protection for SAP is repeating the action according to the number of retries specified in the profile. *retry_num* is the current retry count.

System action:

User response: If the problem persists check for and respond to preceding error messages.

FMM1209E Object not found or not accessible: '*objectname*'.

Explanation: The object cannot be located.

System action:

User response: The backup integrity is affected. Contact SAP or IBM Support.

FMM1210E Input file not found or not accessible: '*file name*'.

Explanation: Data Protection for SAP cannot locate the temporary file named. This file contains the list of Oracle objects to be backed up or restored. It is passed to DP for SAP by one of the BR*Tools utilities.

System action:

User response: Ensure that you have the correct version of BR*Tools installed. For details, check with the release notes (RELNOTE).

FMM1211E There is something wrong with your CONFIG_FILE '*file name*'.

Explanation: There is a problem with your Data Protection for SAP configuration file setup.

System action:

User response: Check the file permission and the file name specified in the Data Protection for SAP profile keyword CONFIG_FILE.

FMM1212W The file '*file name*' is not found in the manual sorting file.

Explanation: The file you want to back up was not found in the manual sorting file.

System action:

User response: Check and correct the manual sorting file so that it contains all the files you are backing up.

FMM1213E The value '*wrongvalue*' of the keyword '*keyword*' is not allowed if '*dependentkeyword*' is set to '*dependendvalue*'. "

Explanation: The profile keyword and value depend on another profile keyword and value. The dependeny is broken and needs to be fixed.

System action: Processing ends.

User response: Change the profile value of the specified keyword.

FMM1214E TSM Error: *error text*

Explanation: The specified TSM error occurred.

System action:

User response: Check *error text* and correct the problem. For further information you may want to refer to IBM Tivoli Storage Manager Messages, SC32–9090.

FMM1215I Average transmission rate was *gb per hour* **GB/h (***mb per second* **MB/sec).**

Explanation: The average transmission rate is displayed.

System action:

User response: None.

FMM1216E There are no backup management classes available.

Explanation: The BRBACKUPMGTCLASSES you have specified in your init<SID>.utl file are not correct.

System action:

User response: Check the management classes on the TSM server and specify correct ones.

FMM1217E There are no archive management classes available.

Explanation: The BRARCHIVEMGTCLASSES you have specified in your init<SID>.utl file are not correct.

System action:

User response: Check the management classes on the TSM server and specify correct ones.

FMM1218E Environment variable TEMP not set

Explanation: The required environment setup is incomplete.

System action:

User response: Set the environment variable TEMP and try again.

FMM1219E The paths of the disks found in the ASM instance indicate that the Oracle ASMLib is not used. This setup is currently not supported.

Explanation: The ASM instance has not been set up with ASMLib. This environment is currently not supported.

System action: Processing ends.

User response: Set up your ASM instance with disks managed by ASMLib.

FMM1220E The execution of the system command '*syscommand*' ended with a return code other than 0. The output of the command was: '*commandoutput*'.

Explanation: A system command returned a non-zero return code.

System action: Processing ends.

User response: Contact IBM support.

FMM1221E The parameter '*keyword*' must have a value other than '*value*' to be able to execute a mount operation.

Explanation: The mount operation cannot be executed with the current settings in the profile. Please modify your profile.

System action: Processing ends.

User response: Modify your profile according to the message.

FMM1222E Version mismatch error. Please check setup (*version_1***:***version_2***).**

Explanation: Different components with inconsistent versions are used.

System action:

User response: Check your setup or contact IBM Support.

FMM1223W A Problem occurred during send of performance data to the Administration Assistant.

Explanation: There was a problem sending the performance data to the Administration Assistant over the network.

System action:

User response: Check your setup or contact IBM Support.

FMM1224W Unable to initialize connection to Administration Assistant.

Explanation: No operational data could be sent to the Administration Assistant during database backup or restore.

System action:

User response: Check the logs for further information and try again.

FMM1227I Average compression factor was *number*.

Explanation: The data transferred had been compressed by the factor *number*.

System action:

User response: None.

FMM1228W Server *server name* can not be used with password access method GENERATE in this environment. The process is running with user ID *userid* but the effective user ID is *userid effective*.

Explanation: The user ID and the effective user ID of the process are different. In order to utilize the password access method GENERATE the IDs must be equal.

System action:

User response: Under UNIX and Linux, change the value of the "PASSWORDACCESS" parameter in file dsm.sys from 'generate' to 'prompt'.. Under Windows, change the value of the "PASSWORDACCESS" parameter in file *server name*.opt from 'generate' to 'prompt'.

Reset the node's password on the Tivoli Storage Manager server.

In an Oracle environment, run

backint -f password

In a DB2 environment run

backom –c password

This will prompt you for the TSM password and then will encrypt it in the Data Protection for SAP configfile. This step needs to be repeated each time your password expires.

FMM1229E Value for parameter BUFFSIZE (actual *cur_number*, maximum *max_number*) is too large for BUFFCOPY mode PREVENT.

Explanation: To utilize the BUFFCOPY mode PREVENT the value for the parameter BUFFSIZE must not be larger than max_number.

System action:

User response: In the Data Protection for SAP profile, specify a BUFFSIZE less or equal to *max_number* if you need to prevent copying buffers when passing data between Tivoli Storage Manager components. If you need large buffers you can set option BUFFCOPY to SIMPLE or AUTO. As a consequence, buffers are copied when data is passed between Tivoli Storage Manager components.

FMM1230E The following file was not processed: *path*.

Explanation: The operation was terminated due to a previous error. As a consequence, the file named could not be processed. The cause of the error should be found in an earlier message.

System action:

User response: Check for and respond to preceding error messages.

FMM1231E Maximum number of retries for file *filename* exceeded.

Explanation: The number of retries configured in the profile keyword 'FILE_RETRIES' for the named file were reached.

System action:

User response: Check the logs for further information about the root cause of the retries. Resolve these issues and perform the operation again.

FMM1232I Executing operation '*operation*' on host '*host name*'.

Explanation: The specified operation on the named host was started.

System action: Processing continues.

User response: None.

FMM1233I Operation '*operation*' completed.

Explanation: The specified operation completed.

System action: Processing continues.

User response: None.

FMM1234E The directory '*directory*' containing the XPYV components of the installation is missing.

Explanation: A required component could not be found. The installation seems to be corrupted.

System action: Processing ends.

User response: Reinstall. Your installation seems to be damaged.

FMM1235E Logical volume '*logicalvolume*' not available on system.

Explanation: A required logical volume was not found on the system.

System action: Processing ends.

User response: Contact IBM support.

FMM1236E The section DB2STANDBY is missing from the profile.

Explanation: To perform a DB2 standby backup or restore functions the section DB2STANDBY must be added to the IBM Tivoli Storage FlashCopy Manager profile.

System action: Processing ends.

User response: Add the section DB2STANDBY to the IBM Tivoli Storage FlashCopy Manager profile.

FMM1237E Unable to perform mount request. The requested mount point '*mountpoint*' is already in use.

Explanation: The attempt to mount a volume failed since the required mount point is already in use.

System action: Processing ends.

User response: Unmount any filesystem that is currently mounted at this mountpoint. Then retry.

FMM1239W Logical volume '*logicalvolume*' of volume group '*volumegroup*' contains unmounted filesystem.

Explanation: This warning lists all filesystems of the volume groups contained in the backup that are currently not mounted. In case of a restore these filesystems will be overwritten and all its data is reverted to the point in time when the backup was taken.

System action: Processing continues.

User response: None.

FMM1240E Unable to mount the following filesystems: *mointpoints*

Explanation: The listed filesystem could not be mounted.

System action: Processing ends.

User response: Check why the listed filesystems could not be mounted, then issue the command again.

FMM1241E Unable to unmount the following filesystems: *mointpoints*

Explanation: The listed filesystem could not be unmounted.

System action: Processing ends.

User response: Check why the listed filesystems could not be unmounted, then issue the command again.

FMM1242E Error while parsing the profile: It is not allowed to have an ORACLE section without a CLIENT section.

Explanation: It is not allowed to have an ORACLE section without a CLIENT section.

System action: Processing ends.

User response: Just specify the missing profile keyword.

FMM1243E Only a single device class name is allowed for the profile parameter *parameter* **in combination with the** *keyword* **keyword.**

Explanation: The profile parameter 'DEVICE_CLASS device_class_name USE_FOR_CLONING dbname' in the CLONING section can only be assiged to one device class name. This is different to the usage of the DEVICE_CLASS parameter in the CLIENT section where a list of device class names can be specified. For Cloning this is not allowed.

System action: Processing ends.

User response: Only use a single device class name with the DEVICE_CLASS parameter in the CLONING section.

FMM1244E The DB2 alias '*alias*' could not be found in the database directory. Please check the value of the profile parameter *parameter***.**

Explanation: The DB2 alias specified with the profile parameter DB2_ALIAS in the DB2STANDBY section could not be found in the DB2 database directory on the DB2 HADR standby system.

System action: Processing ends.

User response: Please verify that the DB2 alias specified with the profile parameter DB2_ALIAS in the DB2STANDBY section can be found in the DB2 database directory DB2 HADR standby system. Use the 'db2 list db directory' command to list the cataloged database aliases.

FMM1245E **There is no mount agent suitable for cloning with device class '*device class*' started. Function cloning requires a dedicated mount agent that was limited to a specific device class using the option '-s <device class>'.**

Explanation: Function cloning requires a dedicated mount agent that was limited to a specific device class using the option '-s <device class>'.

System action: Processing ends.

User response: Make sure that mount agent was started with option '-s <device class>'.

FMM1246E **The database name has to have specified, because multiple databases have been found within this instance.**

Explanation: If multiple databases found in one database instance, the one for that a snapshot backup should be restored or deleted has to have specified.

System action: Processing ends.

User response: Specify the database name of the database for that a snapshot backup should be restored or deleted by specifying the command option '-d' followed by the database name.

FMM1247E **A FlashCopy Backup is not allowed because FlashCopy Clone(s) '*clones*' is/are active with FlashCopy Type NOCOPY.**

Explanation: You have created a FlashCopy Clone with the parameter ALLOW_NOCOPY_FLASHCOPY set to YES in the CLONING device class. With this settings it is no longer allowed to perform FlashCopy Backups on the same SVC cluster.

System action: Processing ends.

User response: If you want to start a new FlashCopy Backup on the same SVC cluster it is required to delete all FlashCopy Clone(s) that were created with FlashCopy Type NOCOPY first.

FMM1248E **A FlashCopy Clone with FlashCopy Type NOCOPY is not allowed because FlashCopy Backup(s) '*backups*' is/are active.**

Explanation: You want to create a FlashCopy Clone with the parameter ALLOW_NOCOPY_FLASHCOPY set to YES in the CLONING device class. With this settings it is not allowed to have FlashCopy Backups on the same SVC cluster.

System action: Processing ends.

User response: If you want to start a new FlashCopy Clone with the parameter ALLOW_NOCOPY_FLASHCOPY set to YES in the CLONING device class it is required to delete all FlashCopy Backup(s) on the same SVC cluster first.

FMM1249E **The LUN's of the datastores requested for backup are spread across multiple storage subsystems. IBM Tivoli Storage FlashCopy Manager can support LUNs from only one storage subsystem.**

Explanation: The virtual machines selected for backup are contained in datastores that are spread across multiple storage subsystems.

System action: Processing ends.

User response: Ensure the datastores and virtual machines which have been selected for backup are all contained on one storage subsystem.

FMM1250I **The '*user name to log-in to the file server*' ID is connecting to the following file server: '*remote hostname of the file server*' .**

Explanation: For ID used to log on to the file server, the name is provided. In addition, the remote hostname of the file is provided. These values are stored in the following parameters for the configuration profile DEVICE_CLASS section: COPYSERVICES_PRIMARY_SERVERNAME and COPYSERVICES_USERNAME

System action: Processing continues.

User response: None.

FMM1251I **A snapshot is taken for the following volume: '*name of the volume*'.**

Explanation: The volume identified in this message is going to be backed up with a snapshot. If multiple volumes are going to be backed up with snapshots, each volume is identified in separate messages.

System action: Processing continues.

User response: None.

FMM1252I **Deleting snapshot '*name of the snapshot to delete*' for volume '*name of the volume*'**

Explanation: The snapshot that has been identified is going to be deleted because the corresponding backup has been deleted.

System action: Processing continues.

User response: None.

FMM1253E **The '*target instance uuid*' target instance UUID that is specified in the input file cannot be found or the UUID is assigned to a template. Edit the input file and specify a valid target instance UUID.**

Explanation: The target instance UUID specified in the input file was not found.

System action: Processing ends.

User response: Specify a valid target instance UUID.

FMM1254I **The '*snap name*' snapshot of the fileset '*fileset name*' in the '*file system device name*' file system was created.**

Explanation: A GPFS™ snapshot with the specified parameters was successfully created.

System action: Processing continues.

User response: None.

FMM1255E **The process cannot continue. Reverting changes.**

Explanation: An error occured. The changes that can be undone will be reversed now.

System action: Processing ends.

User response: None.

FMM1256I **The '*snap name*' snapshot of the fileset '*fileset name*' in the '*file system device name*' file system was restored.**

Explanation: The GPFS snapshot with the specified parameters was successfully restored.

System action: Processing continues.

User response: None.

FMM1257E **The file server does not recognize the volume with the following serial number: '*identifier*'.**

Explanation: When the software attempted to back up the files, the file server specified with the COPYSERVICES_SERVER_NAME parameter did not find the volume with the serial number identified in the error message. The file server that hosts the volume is specified with the COPYSERVICES_SERVER_NAME parameter in the DEVICE section. A possible explanation is that the volume is stored locally and not on the NetApp or N-Series file server specified with the COPYSERVICES_SERVER_NAME parameter.

System action: Processing ends.

User response: Verify that the file server that is specified in the configuration is the file server that hosts the volumes that are used for the current operation. To check the file server specified in the configuration, start the setup script or open the profile configuration file. In the DEVICE section, the COPYSERVICES_SERVER_NAME parameter is used to specify the file server.

FMM1258I **The following volume is offline:** *volume name*

Explanation: Because the volume is already offline, the volume cannot be taken offline.

System action: Processing continues.

User response: There are no additional tasks or steps to complete.

FMM1259I **The following clone volume already exists:** *volume name*

Explanation: Because the clone volume already exists, the clone volume cannot be created.

System action: Processing continues.

User response: There are no additional tasks or steps to complete.

FMM1260E **The GPFS file system '*device name*' is currently mounted on the system at: '*current mount point*'. The GPFS file system must be mounted at: '*default mount point*', the default mount point.**

Explanation: Only the default mount points are supported for GPFS snapshot and restore functions.

System action: The operation stops and cannot continue until this error is resolved.

User response: To resolve this issue, mount the GPFS file system without specifying the mount point argument. The GPFS file system is mounted at the default mount point. After you resolve this problem, run the backup again.

FMM1261E **Key value set for undefined key column** *key_value*. **Command was:** *command*

Explanation: The call to request output data of command '*command*' was set up incorrectly. If a key value is specified a key column must be defined, too.

System action: The operation stops.

User response: None.

FMM1262W **The snapshot** *snapshot_name* **of the file system** *filesystem_name* **cannot be deleted because the file system is not known to the local cluster.**

Explanation: IBM Tivoli Storage FlashCopy Manager

cannot delete the snapshot of the file system nor determine whether the snapshot is still available because the file system is not known to the local cluster.

System action: The meta-information on this snapshot is kept in the repository. The snapshot is not listed in the list of available snapshots unless the force option is issued with the query command.

User response: To remove the record from the repository without mounting the file system in the local cluster use the delete-force option when issuing the delete request.

FMM1263W **The snapshot** *snapshot_name* **of the file system** *filesystem_name* **cannot be deleted because the file system is not mounted.**

Explanation: IBM Tivoli Storage FlashCopy Manager cannot remove the snapshot from the file system nor determine whether the snapshot is still available in the file system because the file system is not currently mounted in the local cluster.

System action: The meta-information on this snapshot is kept in the repository. The snapshot is not listed in the list of available snapshots unless the force option is issued with the query command.

User response: Issue the mount command to mount the file system. The device agent removes the snapshot from both the file system and the repository.

To remove the record from the repository without mounting the file system, use the delete-force option when issuing the delete request.

FMM1264W **The snapshot** *snapshot_name* **of the file system** *filesystem_name* **cannot be deleted. Error information:** *error_information*

Explanation: A request to delete the snapshot *snapshot_name* of the file system *filesystem_name* cannot be completed. An error occurred when processing the delete command.

System action: The meta-information on this snapshot is kept in the repository. The snapshot is not listed in the list of available snapshots unless the force option is issued with the query command.

User response: Resolve any problems indicated by the *error_information* error. After you resolve the issue, the device agent removes the snapshot from both the file system and the repository.

FMM1265W **The** *filesystem_name* **file system is unknown to the local cluster. Therefore, IBM Tivoli Storage FlashCopy Manager cannot run the reconciliation process for the following snapshots:** *list_of_snapshots*

Explanation: IBM Tivoli Storage FlashCopy Manager cannot find snapshots of the *filesystem_name* file system because this file system is not known in the local cluster.

System action: The meta-information for the snapshots listed are stored in the repository.

User response: To remove the record from the repository without mounting the file system, use the delete-force option when issuing the delete request.

FMM1266W **The** *filesystem_name* **file system is not mounted. Therefore, IBM Tivoli Storage FlashCopy Manager cannot run the reconciliation process for the following snapshots:** *list_of_snapshots*

Explanation: IBM Tivoli Storage FlashCopy Manager cannot find snapshots of the *filesystem_name* file system because the file system is not currently mounted in the local cluster.

System action: The meta-information for the snapshots listed are stored in the repository.

User response: Issue the mount command to mount the file system so that the reconciliation process can be performed.

To remove the record from the repository without mounting the file system, use the delete-force option when issuing the delete request.

FMM1267W **IBM Tivoli Storage FlashCopy Manager cannot determine whether the snapshot** *snapshot_name* **snapshot of the file system** *filesystem_name* **is still available. Error information:** *error_information*

Explanation: During the reconciliation process, an *error_information* error occurred when trying to determine whether the *snapshot_name* snapshot is still available in the *filesystem_name* file system.

System action: The meta-information for this snapshot is kept in the repository.

User response: Resolve any problems indicated by the *error_information* error. After you resolve this issue, the reconciliation will be run.

FMM1268E **A relative file name '***file name***' was found in the infile. Relative file names are not supported.**

Explanation: Replace all relative file names with absolute file names in the infile.

System action: The software process ends.

User response: Verify that only absolute file names are specified in the infile.

FMM1269E **For GPFS snapshots, the value** *parameter value* **is not valid for the** *parameter name* **parameter.**

Explanation: If IBM Tivoli Storage FlashCopy Manager is configured for the General Parallel File System (GPFS), the current value specified for the *parameter name* parameter is not allowed.

System action: If this condition is detected during a backup operation, the operation stops.

If this condition is detected while configuring IBM Tivoli Storage FlashCopy Manager, you are prompted for a different value of the *parameter name* parameter.

User response: Specify a different value for the *parameter name* parameter.

If the *parameter name* parameter is not specified in your profile, and the default value is used, explicitly set it to a value different from *parameter value*.

FMM1270I **The following volume is mapped to** *initiator group*: *volume name*.

Explanation: Because the volume is already mapped, a new mapping is not created.

System action: Processing continues.

User response: There are no additional tasks or steps to complete.

FMM1271I **The following volume is online:** *volume name*

Explanation: Because the volume is already online, no actions taken and processing continues.

System action: Processing continues.

User response: There are no additional tasks or steps to complete.

FMM1272E **The following VMs listed in the instant restore input file are not part of the backup:** *vms_in_infile*

Explanation: The instant universal unique identifier (UUIDs) listed in the instant restore input file are not part of the backup.

System action: Processing stops.

User response: Use only instant UUIDs in the input file that are part of the backup.

FMM1273E **The source volume with serial number** *cmd* **is not attached to any known ESX hosts.**

Explanation: The specified physical volume was found during the FlashCopy backup as part of the data store volume on the production system. Now, during the instant restore, the volume is no longer found on any of the ESX hosts.

System action: Processing ends.

User response: Attach the missing volume to the correct ESX host on the storage system.

FMM1274E **The file system** *filesystem_name* **cannot be mounted. If the file system is to be mounted remotely, ensure that the mounting cluster has the correct permissions to mount the file system. Additional information:** *command_and_command_output*

Explanation: The file system specified cannot be mounted. Both the system command that is used and the command output are listed.

System action: Processing ends.

User response: When you mount a file system remotely, check that the cluster that is to mount the file system is authenticated with the owning cluster (command: mmauth add). In addition, ensure that the correct permissions to mount the file system are granted (command: mmauth grant). In DB2 pureScale® environments, read/write permission is required. Examine the command output to determine the cause of the problem, resolve the problem, and try the operation again.

FMM1275E **The '** *vm_name***' virtual machine is located on the following data stores :** *list_of_datastors***. In the input file not all of these data stores were specified. You must specify all listed data stores in the input file or exclude this virtual machine so that the instant restore can continue.**

Explanation: The virtual machine is located on more than one data store. Not all of the data stores are listed in the instant restore input file.

System action: Processing stops.

User response: Add the missing data stores to the instant restore input file or exclude the VM from the instant restore.

FMM1276E **Cluster** *cluster_name* **cannot mount the file system** *filesystem_name* **in read/write mode. If the file system is to be mounted remotely, ensure that the mounting cluster has the correct permissions to mount the file system in the mode requested.**

Explanation: The file system specified cannot be mounted in read/write mode.

System action: Processing ends.

User response: When you mount a file system remotely, check that the cluster that is to mount the file system has been granted sufficient permissions to mount the file system in read/write mode (command: mmauth grant). Resolve the problem and try the operation again.

FMM1278W **The power on VM task for VM '*vmname*' failed.**

Explanation: The VM was selected to power on after instant restore but a the power on VM task failed during execution.

System action: Processing stops.

User response: power on the Virtual Machine manually

FMM1501E **Only one LUN per ASM failure group is allowed with DS8000 storage. '*LUN count*' LUN's have been found in failure group '*failure group name*' of diskgroup '*diskgroup name*'.**

Explanation: For DS8000, only a single LUN per failure group is allowed. The specified failure group consists of more than one LUN. This environment is not supported.

System action: Processing ends.

User response: Reduce the number of LUN's in each failure group to one.

FMM1502E **Oracle ASM with SVC is not supported with the setting '*profile_value*' for the profile parameter '*profile_param*'.**

Explanation: Preassigned volumes cannot be used with SVC and Oracle ASM.

System action: Processing ends.

User response: Specify the name of the backup server as defined in the storage subsystem for the specified profile parameter.

FMM1503E **The single disk restore operation to the source virtual machine '*vm name*' with instance UUID '*source vm instance uuid*' is not possible since '*number snapshots*' VMware snapshots have been found on the source virtual machine but none are allowed.**

Explanation: The single disk restore operation to the specified virtual machine is not possible since VMware snapshots have been found for this virtual machine. This virtual machine must not have any snapshots for the single disk restore operation.

System action: Processing ends.

User response: Remove the VMware snapshots from the specified virtual machine.

FMM1504E **The single disk restore operation of the virtual machine '*vm name*' with instance UUID '*source vm instance uuid*' is not possible since '*number snapshots*' VMware snapshots have been found for this virtual machine as it is contained in the backup but none are allowed.**

Explanation: The single disk restore operation of the specified virtual machine is not possible since VMware snapshots have been found for this virtual machine. This virtual machine must not have any snapshots at the backup point in time to allow a single disk restore operation to the source virtual machine.

System action: Processing ends.

User response: If a single disk restore to the source virtual machine should be performed with this virtual machine a new backup needs to be created. The specified virtual machine is not allowed to have VMware snaphots during the creation of that backup.

FMM1505E **Operation aborted because a different operation by this database client is already running.**

Explanation: Different concurrent operations of the same type were started for the same database. This is not supported. The current operation is aborted. This message is also issued when a cooperative operation of two or more participating partitions was started, but the profile settings used for the various partitions do not match.

System action:

User response: Wait until the currently running operation has ended and try again. Make sure that multiple operations are not started concurrently for a database. If this is a cooperative operation with two or more participating partitions, check that the profile settings of the various partitions (for example, DEVICE_TYPE, MAX_VERSIONS, etc.) do not differ. If they do, fix the profile settings, cancel the current operation, and start the operation again. Also, investigate the possibility of sharing the same profile among all partitions.

FMM1506E **Error: '*description*' on host '*hostname*' while executing command '*command*'.**

Explanation: The system tried to execute the command cited. During execution, an error occurred. The output received from the command shell is listed following the message.

System action:

User response: Determine the cause of the problem from the command and the output listed in the

message, and resolve the problem.

FMM1507E The process needs to run with root authority.

Explanation: The current process requires root authority.

System action:

User response: Start the process under an account with root authority.

FMM1508E The service *service_name* **has terminated due to a previous error. Please check all logs for additional information.**

Explanation: The cited service is no longer available.

System action:

User response: Check the appropriate logs for the cause of its termination.

FMM1509E Authentication failure. The password specified is not authorized for accessing *component***. Please verify that the passwords specified in the password files on the different production and backup/cloning systems are correct.**

Explanation: To access the named component, a password is required. However, the password provided could not be verified.

System action:

User response: Make sure that the password files used by the different components of the system match.

FMM1510I New connection received from host *hostname***.**

Explanation: The server received a new connection request.

System action:

User response: None.

FMM1512E An error occurred during shutdown: *Error information*

Explanation: During shutdown of the component, a problem occurred. The error information is given.

System action:

User response: Resolve the problem indicated by the error information.

FMM1513I ***> Database client connected: instance** *instance***, database** *database_namepartition_numbernodename*

Explanation: This message follows a message FMM1511I and indicates the connection of one of the database clients taking part in the operation. A database client is an instance of the snapshot backup library representing a single partition of the database.

System action:

User response: None.

FMM1514I ***> Device client connected.**

Explanation: This message follows a message FMM1511I and indicates the connection of one of the device clients taking part in the operation. A device client is an instance of the device agent for the storage device.

System action:

User response: None.

FMM1515I Client is logging to *file_name*

Explanation: The client's log messages are written to the indicated file.

System action:

User response: None.

FMM1516I Deleting container *container***.**

Explanation:

System action:

User response:

FMM1517I Deleting target data container defined by *container_description***.**

Explanation: The data in the container indicated is removed.

System action:

User response: None.

FMM1518E Internal error: The system is trying to use the same device agent, although the synchronization mode is not PARALLEL.

Explanation: The system has been told to use the same device agent for multiple database clients, but the database indicated serial synchronization mode. This setup is not supported.

System action:

User response: Contact your IBM support personnel.

FMM1519E **A failure occurred during initialization of one or more of the nodes participating in this operation. Please check the logs for more information.**

Explanation: Some problem occurred during the initialization of a new operation. The problem may be with any component required for this operation.

System action:

User response: Check the acsd log file for messages FMM1515I to determine the log file names of the participating agents. Check the log files of each component for the cause of the problem.

FMM1520E **Volume** *volume_name* **is shared across partitions. Volume sharing is not allowed.**

Explanation: At least two partitions own data residing on the volume indicated. This setup is not supported.

System action:

User response: With the current disk layout of the database, the requested function cannot be used. If you want to use the function, change the disk layout of the database so that each data volume is dedicated to a partition.

FMM1521I **Retaining** *number* **backups**

Explanation: When enforcing profile parameter MAX_VERSIONS, the indicated number of backups is kept.

System action:

User response: None.

FMM1522E **The requested meta–information (subject="***description***") is not available.**

Explanation: Some meta–information about each backup is stored in the repository. An error occurred when trying to retrieve part of this information.

System action:

User response: Contact your IBM support personnel.

FMM1523W **Warning: The following containers were reused without being explicitly released:** *description*

Explanation: The containers defined by the description are used by the current backup. They were used before by a different backup. This message is expected in SAN environments where data containers are usually kept until they are reused. In this case, this message does not indicate a problem.

System action:

User response: None.

FMM1525E **The process** *service_name* **is in an inconsistent state. Please check for previous errors and restart the process afterwards.**

Explanation: The process indicated cannot continue with inconsistent data.

System action:

User response: Check the logs for messages pointing to the cause of the inconsistency. After resolving any problems, restart the process.

FMM1526E **A configuration file (profile) must be provided.**

Explanation: An operation was started without providing a profile.

System action:

User response: Check the user documentation on how to provide the profile to the current process. Start the process again using a valid configuration file.

FMM1529E **The device '***device_type***' is not supported by the wizard.**

Explanation: The device type represents a certain type of storage device. While using the setup wizard, a device type was entered that is not supported by the current version of the wizard.

System action:

User response: Refer to your user documentation for a list of the device types that are supported by default. Specify one of the supported types.

FMM1530E **Failed to launch the device agent for** *device_type***. Please consult your user documentation to make sure that all requirements for the specified device are met.**

Explanation: The system was unable to launch the appropriate device agent for the type indicated because some of its requirements are not met.

System action:

User response: Refer to your user documentation and make sure that the system is set up correctly for the specified device type.

FMM1534E **Unexpected version** *actual_version* **of the repository located at** *path***. Expected version:** *supperted_version*

Explanation: The server located the repository in the path indicated. However, the version of the repository

located on disk does not match the current version of the server.

System action:

User response: Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

FMM1535E Unexpected characteristics (bitwidth=*bitwidth repository*) of the repository located at *path*. Expected bitwidth: *bitwidth expected*

Explanation: The repository located in the path indicated was saved to disk using a bit width different from the bit width the server is using to load the repository.

System action:

User response: Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

FMM1536E The repository located at *path* is not valid.

Explanation: A repository could not be found at the location indicated by *path*.

System action:

User response: Ensure that the path of the repository was specified correctly. Do not edit any files in the repository *path*.

FMM1537E The repository located at *path* was written with an incompatible protocol (*protocol_version incompatible*). Expected protocol: *protocol_version expected*

Explanation: The repository found at the location indicated was written to disk using the protocol version named. However, the server currently supports the expected protocol version.

System action:

User response: Ensure that the path of the repository was specified correctly. Do not edit any files in the repository path.

FMM1538E Unexpected repository type. The path '*path*' does not point to a repository of type "*protocol_type*".

Explanation: The repository located in the path indicated was written to disk using a protocol different from the protocol supported by the server process.

System action:

User response: Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

FMM1539E Root privileges required. Could not change user ID to root.

Explanation: The requested operation requires root privileges. However, the process could not acquire them.

System action:

User response: Make sure the appropriate privileges (s–bit) are granted to the executable.

FMM1540E /etc/inittab entries are limited to 127 characters. Please consult your user documentation for information on manually completing the installation procedure.

Explanation: The command line generated by the setup function exceeds 127 characters. This situation requires user intervention. The setup function did not update /etc/inittab.

System action:

User response: Refer to your user documentation for information on what entries to add to /etc/inittab.

FMM1541E /etc/inittab was not updated because some of the processes have apparently been added. Please re–run the setup after calling the setup script with option '–a disable' if you want to change to a standard setup.

Explanation: During the automatic setup, entries for this product were detected in /etc/inittab. This is an indication that the product was not previously uninstalled.

System action:

User response: Run the setup with option '–a disable' and then start the installation process again. If the entries in /etc/inittab should be retained, refer to your user documentation for information on how to complete the installation manually.

FMM1542E Failed to uninstall because some of the processes to be uninstalled are still listed in /etc/inittab. Please re–run the setup after stopping the component by calling the setup script with option '–a stop'.

Explanation: Before uninstalling the product, the affected processes must be stopped. This is done by running the setup script with the option '–a stop',

which will remove the entries from /etc/inittab and stop the processes.

System action:

User response: Refer to your user documentation for information on the uninstall process. Run the setup with the option '–a stop' and then continue uninstalling.

FMM1543E The component is still referenced within the /etc/inittab. In order to terminate the component re–run the setup script with option '–a stop'.

Explanation: The setup utility detected that the product is still active in the system. Apparently, its entries in /etc/inittab are not yet removed.

System action:

User response: Call this process again with the option '–f stop'.

FMM1544E New entries cannot be added to /etc/inittab because it already contains too many entries starting with 'ac'. Please refer your user documentation for a manual setup of this package.

Explanation: During setup, an unusually high number of entries beginning with 'ac' were detected in /etc/inittab. /etc/inittab was not modified.

System action:

User response: Determine if these entries are expected, or if they were added due to a problem. If these entries are required, refer to your user documentation for information on how to complete the installation manually.

FMM1545E *oldprod* **is currently running.**

Explanation: This failure happens during (de)installation and indicates that not all TSM for ACS components could be stopped.

System action:

User response: Check that no backup or restore is currently running and retry the operation. If you have customized the process of starting TSM for ACS, it might be necessary to manually stop it by undoing those customization steps.

FMM1546E *IBM Tivoli Storage Manager for Advanced Copy Services* **was not started.**

Explanation: This failure happens during installation and indicates that not all TSM for ACS components could be started successfully.

System action:

User response: Check that all TSM for ACS components have the appropriate access rights and retry the operation. Contact the support function if the operation continues to fail.

FMM1547E Failed to remove the data associated with the deleted backup *backup_id***.**

Explanation: The backup named was deleted. However, its data could not be removed from the repository and from the storage device.

System action:

User response: Look for a previous message pointing to the cause of the problem. Resolve any problems indicated there. Once the cause of this problem is resolved, the daemon will take care of the deleted backups eventually.

FMM1548E Failed to monitor the data associated with the deleted backup *backup_id***.**

Explanation: A background daemon is supposed to monitor the states of backups in order to determine if data needs to be deleted from the storage device. However, the monitor was not able to access the appropriate data.

System action:

User response: Look for a previous message pointing to the cause of the problem. Resolve any problems indicated there. Once the cause of this problem is resolved the daemon will take care of the deleted backups eventually.

FMM1549E Failed to load *component_name*

Explanation: The system was unable to load the named component of the product.

System action:

User response: Contact IBM Support.

FMM1550W Unable to perform background monitoring for backup '*backup id***' for** *time***.**

Explanation: Background monitoring for the named backup id is suspended for the named period of time due to it is locked or the background monitor is not running.

System action:

User response: Check if the background monitor is running.

FMM1553I *Component_name* **is logging to** *path*

Explanation: The file denoted is the log file of the named component.

System action:

User response: If you need to check the log of the indicated component, look for this message to identify the log file to examine.

FMM1554W The agent '*component_name***' terminated with exit code** *number***.**

Explanation: The process denoted ended with the given exit code.

System action:

User response: Check the agent's log for any messages pointing to a problem. Resolve any problem indicated.

FMM1555I Profile successfully created.

Explanation: The profile wizard created a new profile.

System action:

User response: The setup script recognizes components being restarted so that the new settings become active..

FMM1556E Some data of backup *backup_id* **are unavailable. It is impossible to restore the data requested.**

Explanation: The system detected that some of the data originally contained in the backup is no longer available. The occurrence of this message depends on the type of storage device employed. For example, if an earlier backup data was restored from an N–Series device, some data of a later backup will be destroyed.

System action:

User response: The backup is no longer complete and cannot be used for the requested operation. Try the operation with a different backup.

FMM1557I Device client is logging to *path*

Explanation: The device agent's log messages are written to the file named.

System action:

User response: None.

FMM1558E There are no mount agents registered for participant(s) *participant_list*

Explanation: During a snapshot backup run, TSM for ACS detected that for the listed participant(s) no TSM for ACS device agent was started with the 'force mount' (–F) option. Typically, a participant corresponds to a DB2 partition. The current snapshot backup run will be deleted.

System action:

User response: Make sure that for each participant (DB2 partition) a TSM for ACS device agent is started with the mount force option (–M) on the offload system.

FMM1559E Failed to verify consistency of DataContainer (*data_container***)**

Explanation: During a snapshot backup run, TSM for ACS detected that the listed data container (typically an AIX volume group or an N Series volume) could not be imported/mounted successfully on the offload system. The current snapshot backup run will be deleted.

System action:

User response: Check the TSM for ACS device agent log/trace file for errors and restart the snapshot backup after the problem is corrected.

FMM1560E Not all file systems have been validated by the mount agents!

Explanation: During a snapshot backup run, TSM for ACS detected that not all file systems could be mounted successfully on the offload system. The current snapshot backup run will be deleted.

System action:

User response: Check the TSM for ACS device agent log/trace file for errors and restart the snapshot backup after the problem is corrected.

FMM1561E Profile name *profile_name* **does not point to a file.**

Explanation: The profile specification should be a fully qualified filename. Otherwise, it is assumed to be relative to the current directory of the command that issues the message, which may not be the desired directory.

System action:

User response: Correct the name.

FMM1562E Deleting the backup as requested is impossible while any part of it is mounted.

Explanation: A request was sent to delete a backup. However, some parts of the backup were still mounted. Presumably, a restore operation or an off–loaded tape backup is pending or in progress. Please note that an offloaded tape backup requires the snapshot backups of all partitions of the database.

System action:

User response: Wait until the operation in progress has ended, then issue the delete request again.

FMM1563I **The snapshot backup defined by timestamp** *timestamp* **for instance** *instance*, **database** *database_name*, **and partition** *partition_number* **cannot be restored.**

Explanation: This message appears when backups are queried for a restore. It indicates that a snapshot backup was encountered that is not in a restorable state. For example, snapshot backups created with a FLASHCOPY_TYPE of NOCOPY are not restorable. When queried for restore, unrestorable snapshot backups are not returned to the caller and therefore cannot be selected for restore.

System action:

User response: None.

FMM1564W **Backup** *id* **is marked for deletion. You need to unmount before it can be physically deleted.**

Explanation: A snapshot backup with the named id can only be deleted if all of its assigned file systems are unmounted successfully.

System action:

User response: Issue the offload agent with the command '–f unmount'. After all resources are freed, the deletion of the snapshot backup will be started.

FMM1567I **Reconciliation for device class '***device class***' completed successfully.**

Explanation: The reconciliation process for the specified device class was successful. The backup repository was synchronized with the existing backups on the storage device specified by the DEVICE_CLASS parameter.

System action: None.

User response: None.

FMM1568I **Removing backup** *backup_id* **from the repository because it has not been found on the storage device during reconciliation.**

Explanation: During reconciliation the backup with id *backup_id* has not been found on the storage device. Therefore it is deleted from the repository to keep the repository and the valid backups on the storage in sync.

System action:

User response: None.

FMM1569I **Updating backup** *backup_id* **in the repository because some data was not found on the storage device during reconciliation.**

Explanation: Backup data with the identifier *backup_id* is no longer available on the storage device. Depending on storage device settings, the space from older backups might be reused to create new backups. This information is updated in the IBM Tivoli Storage FlashCopy Manager repository.

System action: Processing continues.

User response: None.

FMM1570W **The following container could not be deleted from the storage box during reconciliation:** *volume_name*.

Explanation: The volume *volume_name* could not be deleted from the storage box. It is not needed anymore because there is no corresponding backup in the repository.

System action:

User response: Ignore the warning or try to delete the volume from the storage device manually.

FMM1571W **The specified value for '***recon_interval***' is 0. Be aware that every time a background monitor is started a reconcile will be scheduled so that other background operations will never be scheduled. This should be used for testing purposes only.**

Explanation: If RECON_INTERVAL is 0 every time a background monitor is started it will start reconciliation. Other background operations as deletion or monitoring will never be scheduled.

System action:

User response: Change RECON_INTERVAL to a value greater than 0 if you want to avoid this behavior.

FMM1572I **Starting reconciliation for device class '***device_class_name***'**

Explanation: The reconciliation will be started for the device class *device_class_name* of the profile.

System action:

User response: None.

FMM1573I **The container '***volume_name***' has been successfully deleted from the storage box. It didn't belong to any backup in the repository.**

Explanation: The volume *volume_name* has been

successfully deleted from the storage box during reconciliation because it didn't belong to any backup in the repository.

System action:

User response: None.

FMM1574I **Backup for** *hardware isolation key* **is created using DEVICE_CLASS** *device class***.**

Explanation: The current snapshot backup is using the specified device class.

System action: None.

User response: None.

FMM1575E *product name* **cannot be used to perform dual backups. Update your profile to perform either a disk–only backup or use TSM for ERP to perform a dual backup.**

Explanation: The backup cannot be started with the current configuration. TSM for ERP 6.1 or later is not installed or configured in /usr/sap/<SID>/SYS/exe/run. Instead, /usr/sap/<SID>/SYS/exe/run/backint points directly to the IBM Tivoli Storage FlashCopy Manager backint. Offloaded backups from a snapshot to IBM Tivoli Storage Manager is not allowed with this configuration.

System action: Processing ends.

User response: Update your profile to perform either a disk–only backup or use TSM for ERP to perform a dual backup. .

FMM1576W **The backup** *backup id* **is skipped from expiration processing because it is mounted.**

Explanation: A new backup request was started while the specified backup is mounted on a backup system. The target set of the mounted backup cannot be reused for a new backup.

System action: None.

User response: If you encounter an error message FMM1579E after this warning message, unmount the mounted backup before attempting a new backup. Otherwise, no action is required as long a valid target set is specified for the new backup.

FMM1577W **The backup** *backup id* **is skipped from expiration processing because a mandatory Tivoli Storage Manager backup from this image is pending.**

Explanation: A new backup request was started while the specified backup is currently pending to be offloaded to tape on a backup system. The backup target set that is currently pending cannot be reused for a new backup.

System action: None.

User response: If you encounter an error message FMM1579E after this warning message, start the offloaded tape backup before attempting a new backup. Otherwise, no action is required as long a valid target set is specified for the new backup. If you do not want to start the offloaded tape backup, update the usability state for this backup by issuing the tsm4acs -f update_status command with the TSM_BACKUP=no option.

FMM1578W **A backup is skipped from expiration processing because of the following error:**

Explanation: A new backup request was started while the specified backup is currently locked by another operation.

System action: None.

User response: If you encounter an error message FMM1579E after this warning message, wait until the operation that is locking the backup completes before attempting a new backup. Otherwise, no action is required as long a valid target set is specified for the new backup.

FMM1579E **Failed to find a suitable target set for device class** *device class***.**

Explanation: An available target set was not located and an attempt was made to use the target set of the oldest backup. However, this oldest backup target set is in a MOUNTING or MOUNTED state which prevents reuse. A target set containing a snapshot taken with the parameter TSM_BACKUP set to MANDATE will also prevent reuse, execpt when the Tivoli Storage Manager backup is complete.

System action: Processing stops.

User response: Make sure enough target sets are available and verify the state of the existing target sets.

FMM1580E **Specifying a target volume serial number is mandatory for parameter 'TARGET_VOLUME'.**

Explanation: The parameter 'TARGET_VOLUME' expects three values being defined. If these are not present this error occurs.

System action:

User response: Specify the following values for parameter 'TARGET_VOLUME': <target volume serial number> <source volume serial number> <source volume size>. Only the first value is mandatory. If

source volume information is omitted, dashes must be entered in both fields as placeholders. Examples: TARGET_VOLUME 401FCA90 40EFCA90 Size=2.0_GB TARGET_VOLUME 401FCA909 - -

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FMM1581E **Error while parsing parameter TARGET_VOLUME** *target volume param* **in volumes file: the parameter TARGET_VOLUME allows at most three parameters.**

Explanation: The parameter 'TARGET_VOLUME' expects three values being defined. If there are more this error occurs.

System action:

User response: Correct the specified values for parameter 'TARGET_VOLUME' according to this pattern: <target volume serial number> <source volume serial number> <source volume size>. Only the first value is mandatory. If source volume information is omitted, dashes must be entered in both fields as placeholders. Examples: TARGET_VOLUME 401FCA90 40EFCA90 Size=2.0_GB TARGET_VOLUME 401FCA909 - -

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FMM1582I **The target set** *target set* **will be used for the current backup.**

Explanation: IBM Tivoli Storage FlashCopy Manager allows to define target sets by a target set definition file (SVC and DS8000) or by a certain naming convention by that IBM Tivoli Storage FlashCopy Manager determines the name of the target from the name of the source volume and the name of the target set to be used for the current operation (SVC only). This message reflects which target set is applied for the current snapshot backup based on the given conditions.

System action:

User response: Specify means of target set selection by the profile parameter 'TARGET_SETS' and a target set definition file.

FMM1583W **Backup agents were requesting incompatible Tivoli Storage Manager backup options. The composed states are: '***states***'.**

Explanation: A backup of a partitioned database was attempted. Offloaded backups to Tivoli Storage Manager use options that are different from options used with the partition backup. However, Tivoli Storage Manager backup options for all partitions should be identical. This can occur when different device classes are used to back up different partitions, and those device classes are associated with different Tivoli Storage Manager backup options. The product automatically determines the correct Tivoli Storage Manager backup options for this operation to prevent a failure.

System action: The operation continues with warning.

User response: Update the configuration so that all partitions use the same Tivoli Storage Manager backup options during future operations.

FMM1584E **Snapshot backup referenced by ID '***backup id* **does not exist.**

Explanation: The specified backup ID was not found in the local snapshot repository.

System action: Processing stops.

User response: Use the inquire function to verify that the specified backup ID is valid.

FMM1586E **Not enough sessions available.**

Explanation: The sum of available sessions specified in the various server statements does not cover the required numbe r of sessions.

System action: Processing ends.

User response: Change and adapt the values of the corresponding parameters in the IBM Tivoli Storage Manager for Enterpri se Resource Planning profile.

FMM1588E **The master password you provided does not meet the minimum complexity requirements. Acceptable master passwords are a minimum of** *minlength* **characters and must contain at least one number and one letter.**

Explanation: For security reasons, the master password must meet minimum length and complexity requirements. The master password must be a minimum of 8 characters and must contain at least one number and one letter. The use of special symbols increases the strength of the password.

System action: The password you provided is not adopted.

User response: Define a strong password that meets the minimimum length and complexity requirements.

FMM1999E **A restore operation is not allowed for a backup that was originally performed with FLASHCOPY_TYPE NOCOPY from target volume** *targetVolume* **on San Volume Controller Version** *version.release.revision***. Use San Volume Controller Version 5.1 or later.**

Explanation: A restore from backups performed with the FLASHCOPY_TYPE NOCOPY value is only supported for San Volume Controller Version 5.1 or later.

System action: Command will fail.

User response: Run the restore operation again with a

backup that was originally performed with FLASHCOPY_TYPE INCR or FLASHCOPY_TYPE COPY.

FMM2000I **Successfully connected to** *component_name* **on port** *portnumber***.**

Explanation: One of the Data Protection for SAP modules BACKINT or theThe backup library libtdp_r3 initiated a successful connection to the background process *component_name* on port *portnumber*.

System action:

User response: None.

FMM2001E **Socket error while connecting to** *component_name* **at** *host***:** *reason***.**

Explanation: The background process *component_name* is not running.

System action:

User response: Start *component_name* manually and try again.

FMM2002E **The group permissions of the user '***username***' are not sufficient. The Oracle(R) executables have the group ownership '***group***' but the specified user does not belong to that group.**

Explanation: The specified user has not enough permissions to use the Oracle(R) executables.

System action: Processing ends.

User response: Add the specified group to the specified user.

FMM2003I **File** *file_name BID* **deleted.**

Explanation: The file *file_name* with the backup ID <BID> was deleted from the Tivoli Storage Manager.

System action:

User response: None.

FMM2004E **Socket error while listen to port** *port number* **- error:** *error text***.**

Explanation: The application was unable to listen to the port specified.

System action: Processing stops.

User response: Check if the process was already started. Do not start a second instance of the same process. Check if the port specified is in use by another application and specifiy a different port number.

FMM2005W **The virtual machine '***vm name***' with instance UUID '***source vm instance uuid***' will be processed without the requested backup mode since the '***device names***' devices are directly passed through to the virtual machine.**

Explanation: The specified virtual machine has passthrough devices, also known as VMDirectPath. VMware is not able to suspend/resume or create snapshots on such virtual machines. Thus this virtual machine will be processed without doing so.

System action: Processing continues.

User response: If the specified virtual machine backup mode should be processed as requested remove the passed through devices from this virtual machine.

FMM2006W **The virtual machine '***vm name***' with instance UUID '***source vm instance uuid***' will be processed without the requested backup mode since fault tolerance is turned on.**

Explanation: The specified virtual machine has fault tolerance turned on. VMware is not able to suspend/resume or create snapshots on virtual machines with fault tolerance turned on. Thus this virtual machine will be processed without doing so.

System action: Processing continues.

User response: If the specified virtual machine backup mode should be processed as requested turn fault tolerance off for this virtual machine.

FMM2007E **Unknown Port:** *port*

Explanation: The port specified for communication between *component_name* and BACKINT or the backup library is unknown.

System action:

User response: Check the port value specified when *component_name* was started. Additionally, check the environment variable PROLE_PORT for the BACKINT environment. These two values must match.

FMM2008E **Unable to connect to** *component_name***.**

Explanation: Internal error.

System action:

User response: Contact IBM Support.

FMM2009I **Deleting backup** *version_number* **and all older backups.**

Explanation: All full database backups and their corresponding log file backups will be deleted from Tivoli Storage Manager storage, if their version number

is less than or equal to *version_number*.

System action:

User response: None.

FMM2010E Error occurred processing FRONTEND.

Explanation: An error occurred during the frontend processing.

System action:

User response: Check the frontend script/program and the settings in the Data Protection for SAP profile (keyword FRONTEND) and try again.

FMM2011E Error occurred processing BACKEND.

Explanation: An error occurred during the backend processing.

System action:

User response: Check the backend script/program and the settings in the Data Protection for SAP profile (keyword BACKEND) and try again.

FMM2012E Passwords do not match. Try again.

Explanation: The first and second password you entered do not match.

System action:

User response: Enter the password correctly.

FMM2013I Starting FRONTEND program.

Explanation: The frontend program is executing.

System action:

User response: None.

FMM2014I FRONTEND program finished.

Explanation: The frontend program is finished.

System action:

User response: None.

FMM2015I Starting BACKEND program.

Explanation: The backend program is executing.

System action:

User response: None.

FMM2016I BACKEND program finished.

Explanation: The backend program is finished.

System action:

User response: None.

FMM2017I Blocksize is set to *num_bytes* **bytes**

Explanation: The operational blocksize is *num_bytes* bytes.

System action:

User response: None.

FMM2018I The file system '*file system***' was added successfully to the remote cluster '***remote cluster name***'.**

Explanation: The specified file system was added successfully to the remote cluster and is now ready to be mounted.

System action: Processing continues

User response:

FMM2019I The snapshot of file system '*file system***' was mounted successfully to '***path***'.**

Explanation: The specified snashot of the specified file system was mounted successfully.

System action: Processing continues

User response:

FMM2020I The file system '*file system***' was removed successfully from remote cluster '***remote cluster name***'.**

Explanation: The specified file system was removed successfully from the remote cluster.

System action: Processing continues

User response:

FMM2021I The file system '*file system***' was unmounted successfully.**

Explanation: The specified file system was unmounted successfully.

System action: Processing continues

User response:

FMM2022E Unable to change mode of file *file name***:** *description*

Explanation: Unable to change mode of file *file name*. *description* may contain the system error text.

System action:

User response: Check the *description*. If the error persists, contact your service representative.

FMM2023I **The '*vm name*' virtual machine with the '*vm instance uuid*' instance UUID is resumed.**

Explanation: The specified virtual machine is resumed.

System action: Processing continues.

User response: No action is required.

FMM2024E **Error in connection to *component_name*.**

Explanation: The connection to *component_name* terminated unexpectedly. This message might be displayed due to previous errors or after an unexpected termination of the *component_name* process.

System action:

User response: Check for other error messages and restart *component_name* if necessary. Try again. If the problem persists, contact IBM Support.

FMM2025E **Failed to respond to a message received from *component_name*.**

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

FMM2026E **Unexpected exception in handler: *handler*.**

Explanation:

System action: This is an internal error.

User response: Contact IBM Support.

FMM2027I **Using TSM–API version *your API version* (compiled with *compiled with version*).**

Explanation: Version information about the TSM–API.

System action:

User response: None.

FMM2028W **Unable to terminate a session due to the following error: *session*.**

Explanation: This is an internal error during cleanup that has no effect on the success of the service.

System action:

User response: None.

FMM2029E **Could not instantiate the buffer allocator because of the following incompatibility issue: *expression*.**

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

FMM2031E **A buffer allocator cannot simultaneously satisfy all of the following properties: *list of properties***

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

FMM2033E **Cannot instantiate allocator of type *allocator type* with the following additional properties: *list of properties***

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

FMM2086W **The following failure groups were not needed during the backup: *serial*. Either they are misspelled in the profile or they are not online. You might want to check them.**

Explanation: The specified failure groups have not been used for the backup. Either they have not been found or they are not online.

System action: Processing continues.

User response: You might want to check if the failure groups you specified in the profile are spelled right. If they are spelled right you might want to check if all of them are online.

FMM2087W **The diskgroup '*dg*' contains '*fg total*' failure groups, but currently only '*fg online*' of them are online. Just the online failure groups can be included in the backup. During restore just the online failure groups would be restored and the others would be dropped.**

Explanation: Not all of the failure groups of the specified diskgroup are online. Just the failure groups which are online can be included in the backup. During a restore the failure groups included in the backup are restored, the others are dropped.

System action: Processing continues.

User response: You might want to check if all failure groups of the specified diskgroup are online and if not

bring the online to include all of them in the backup.

FMM2088I **The diskgroup '*dg*' and its online failure groups: *fg* are now dropped.**

Explanation: The specified diskgroup and its failure groups are dropped. Usually the customer will have to recreate the failure groups which were not included in the backup after having restored successfully.

System action: Processing continues.

User response: After having restored you might want to recreate the failure groups which have not been restored.

FMM2089W **The diskgroup '*dg*' contains failure groups which are currently offline: *fg*. The diskgroup cannot be dropped from these failure groups. Please ensure that they do not become available during the restore process.**

Explanation: The specified failure groups are currently offline. ASM cannot drop a diskgroup from failure groups which are offline. If these failure groups get online during the restore process this could result in an inconsistent state.

System action: Processing continues.

User response: Please ensure that the specified failure groups do not become online again during the restore process.

FMM2090E **The device '*dev*' could not be removed. Please ensure that you are not accessing the ASM or database instance for example by an open sqlplus console.**

Explanation: The specified device could not be removed from the OS because it is still in use. This might be caused by accessing the ASM or database instance for example by an open sqlplus console.

System action: Processing ends.

User response: Please ensure that you don't access the database or ASM instance by any open SQL consoles.

FMM2091W **For the virtual machine '*vm name*' the backup mode *mode* is changed to ASIS because it has raw device-mapping disks attached. As a consequence, the backup of the specified virtual machine is only crash consistent.**

Explanation: In principle, raw device-mapping disks are not included in the IBM Tivoli Storage FlashCopy Manager backup. When you restore the virtual machine, it is not possible to revert to the VMware snapshot. Because when the VMware snapshot was taken, the raw device-mapping disks were still part of the virtual machine configuration. The requested VMware snapshot is skipped before the actual hardware snapshot is performed for this virtual machine.

System action: Processing continues. The backup of the specified virtual machine is performed but with crash consistency only.

User response: To process the specified virtual machine backup mode as requested (including the VMware snapshot), remove the raw device-mapping disks from the virtual machine configuration before the backup.

FMM2092W **A restore of the virtual machine '*vm name*' does not recover the existing VMware snapshots because it has raw device-mapping disks.**

Explanation: In principle, raw device-mapping disks are not included in the IBM Tivoli Storage FlashCopy Manager backup. When you restore the virtual machine it is not possible to revert to the existing VMware snapshots. Because at the time when the VMware snapshots were taken, the raw device-mapping disks were still part of the virtual machine configuration.

System action: Processing continues.

User response:

FMM2093W **The virtual machine '*vm name*' has raw device-mapping disks attached. When you restore this virtual machine from the hardware snapshot the achieved consistency level is crash consistency only. This limitation does not apply when you restore the virtual machine from the offloaded Tivoli Storage Manager backup.**

Explanation: In principle, raw device-mapping disks are not included in the IBM Tivoli Storage FlashCopy Manager backup. When you restore the virtual machine from the hardware snapshot backup, it is not possible to revert to the VMware snapshot. Because at the time when the VMware snapshot was taken, the raw device-mapping disks were still part of the virtual machine configuration. When the hardware snapshot backup is offloaded to Tivoli Storage Manager and restored from there, this limitation does not apply.

System action: Processing continues.

User response: Restore the virtual machine from the offloaded Tivoli Storage Manager backup to maintain file system level consistency.

FMM2094W A file layout change was detected during the backup of the virtual machine '*vm name*', this change was probably caused by a VMware Storage VMotion operation. The virtual machine is excluded from the backup and cannot be restored from this backup.

Explanation: A VMware Storage VMotion operation might interfere with the snapshot backup process. It is possible, that files are migrated to another data store that is not included in the backup while the backup is in progress. As a result, these files cannot be restored at a later time.

System action: Processing continues.

User response: Ensure that a storage migration is not occurring on the virtual machine and rerun the backup task.

FMM2095E The backup is unusable because all the virtual machines that it contains have been invalidated due to an interfering VMware Storage VMotion operation.

Explanation: A VMware Storage VMotion operation might interfere with the snapshot backup process. It is possible, that files are migrated to another data store that is not included in the backup while the backup is in progress. As a result, these files cannot be restored at a later time.

System action: Processing continues.

User response: Ensure that a storage migration is not occurring on the virtual machines you selected for backup and rerun the backup task.

FMM2096W The offload agent ('*bexname*') was not started. As a consequence, the snapshot backup is not automatically offloaded to IBM Tivoli Storage Manager.

Explanation: The offload agent periodically checks for new snapshot backups that are ready to offload to IBM Tivoli Storage Manager. If the offload agent is not running as a daemon process, then the offload backup is not automatically triggered.

System action: Processing continues.

User response: Ensure that the offload agent is started by verifying that an entry is made to the inittab or by configuring an upstart job. The setup scripts used by IBM Tivoli Storage FlashCopy Manager can perform this task. Alternatively, you can manually trigger an offload backup or you can run a scheduled script to start the offload agent. For more information, see the IBM Tivoli Storage FlashCopy Manager Installation and User's Guide.

FMM2913I The version delete setting is configured to retain *number* backup generations. Checking for expired backups.

Explanation: The profile parameter MAX_VERSIONS is configured to retain *number* backup generations. Data Protection for SAP is checking if surplus backups exist.

System action: Processing continues.

User response: None.

FMM4000W The attributes of file '*file name*' cannot be restored. Reason: errno(*error_num*) *error_desc*.

Explanation: The file *file name* was restored successfully but one or more file attributes (permission, ownership, date/time) of the file *file name* cannot be restored correctly.

System action:

User response: Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future. An initial solution could be to set the appropriate correct permission for the file *file name* manually.

FMM4001E File '*file name*' cannot be created. Reason: errno(*error_num*) *error_desc*

Explanation: The file *file name* to be restored could not be created/written. It is possible, that you do not have the appropriate rights for writing the file *file name* to the destination path.

System action:

User response: Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future. Furthermore, check the write permission of the user who started the restore.

FMM4002E Error during write of file ' *file_name*'. Reason: errno(*error_num*) *error_desc*

Explanation: An error occurs during the restore process of the file *file name*.

System action:

User response: Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future.

FMM4003E Operation mount will be aborted. Physical volume(s) with conflicting physical volume id(s) have been found on the target host '*host_name*' *list_of_pvids*

Explanation: Physical volume(s) with one or more of the physical volume id's which are part of this mount operation do already exist on the target host.

Continuing would cause conflicting physical volume id's.

System action: Processing stops.

User response: Cleanup the target system. Remove the specified volume(s) containing the same physical volume id(s).

FMM4005E **Error allocating memory block for file** *file name***. BLOCKSIZE may be too large.**

Explanation: Unable to request new memory blocks during the backup of file *file name*.

System action:

User response: Verify that you have set a valid value for BLOCKSIZE. If you are not sure what value is valid, comment it out so the default value is used. Furthermore, you can check if you have enough RAM available with your machine. Also, check the memory usage during backup. It may be necessary to stop another application, increase memory, or change the configuration.

FMM4007E **File '***filename***' cannot be read Reason: errno(***error_num***)** *error description*

Explanation: Data could not be read due to some system error. Check *error description* for further information. If this error recurs, this might indicate some hardware problems.

System action:

User response: Contact your system administrator.

FMM4008E **File '***filename***' cannot be opened. Reason: errno(***error_num***)** *error_text*

Explanation: Could not open the file *file name* due to some system specific problems.

System action:

User response: Contact your system administrator.

FMM4009E **Not enough space to write File '***filename***'. Possible reasons: disk full or ulimit exeeded.**

Explanation: The system rejected a request to write data into file *file name*. The storage media might not have enough free space to keep the file or the system rejected writing the file due to administrative resource constraints such as ulimits.

System action:

User response: Contact your system administrator.

FMM4010E **SAP requires the file** *filename* **to be a regular file.**

Explanation: To be able to support SAP environments the named file has to be a regular file.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM4011W **The backup device type (***filetype backup devicetype backup devsubtype***) differs from the restore device type (***filetype restore descr1 descr2***) for** *name***.**

Explanation: A mismatch between the device types during backup and restore was detected.

System action:

User response: Check the logs for further information

FMM4012E **Unexpected EOF for file '***filename***' after reading** *number* **Bytes.**

Explanation: The end of file was reached unexpectedly.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM4013I **CreateFile() with dwFlagsAndAttributes='***attribute***'.**

Explanation: A file with the nmed attribute was created.

System action:

User response: None.

FMM4014E **File '***filename***' cannot be accessed. Reason: errno<(***number***)** *errormsg*

Explanation: A named file could not be accessed either for reading or writing.

System action:

User response: Check the file permissions and if necessary adjust them accordingly. Try again.

FMM4015E **Failed to attach the volumes '***volumes***' to the host '***hostname***'.**

Explanation: IBM Tivoli Storage FlashCopy Manager was not able to attach these volumes to the host for mount.

System action: Processing ends.

User response: Verify the CIM error.

FMM4016W The mapping between volume '*vol*' and the host '*hostname*' was not found in the CIMOM.

Explanation: IBM Tivoli Storage FlashCopy Manager did not found the map volume to host in the CIMOM.

System action: Processing continues.

User response: None.

FMM4017E Failed to detach the volumes '*volumes*' from the host '*hostname*'.

Explanation: IBM Tivoli Storage FlashCopy Manager was not able to detach these volumes from the host after the unmount.

System action: Processing ends.

User response: Verify the CIM error.

FMM4018E Parameter *parameter name* requires a value in the range between *min* and *max*.

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

FMM4019E The hostname '*hostname*' must be defined as a host entry in the IBM SAN Volume Controller.

Explanation: IBM Tivoli Storage FlashCopy Manager was not able to find the hostname specified as a valid host entry in the IBM SAN Volume Controller. This value is specified in the profile by the parameter BACKUP_HOST_NAME.

System action: Processing ends.

User response: Verify the value specified in the profile and ensure that it is a valid host in the IBM SVC Volume Controller.

FMM4021E The FlasCopy mapping for the source and target volumes '*src*' and '*tgt*' was found, however the consistency group is missing.

Explanation: IBM Tivoli Storage FlashCopy Manager was not able to find the consistency group for the existing mapping of the soruce and target volumes specified.

System action: Processing ends.

User response: The state found in the storage subsystem is not supported for a re-start of the FlashCopy. The consistency group and the FlashCopy mappings are created by IBM Tivoli Storage FlashCopy Manager and re-use during refreshing of the FlashCopy. A manually cleaup should be evaluated in this case.

FMM4175E San Volume Controller VDisk *vdisk* is not online. Please retry this command after bringing this volume back online.

Explanation: Either the source or the target VDisk is no longer online.

System action: Command will fail.

User response: Please retry the command after bringing the VDisk back online.

FMM4176E A restore is not allowed from space–efficient target volume *targetVolume* on San Volume Controller Version *version.release.revision*. Use San Volume Controller Version 5.1 or later.

Explanation: Restore from Space–efficient target volumes is only supported on San Volume Controller Version 5.1 or later.

System action: Command will fail.

User response: Run the restore operation with a backup that was performed using a full volume target.

FMM4177E User specified copy type *usrCopyType* is in conflict with the copy type *fcCopyType* for the previously established FlashCopy. Please retry the operation for this copy type specifying a different target set.

Explanation: The previously established FlashCopy maps are used for a specified copy type for all backups that use the same copy type.

System action: Command will fail.

User response: Run the operation again with a different target set in order to use this copy type.

FMM4178E The directory '*directory*' containing the CIM components is missing.

Explanation: The CIM components (a collection of different libraries) must reside in a directory within a specific pegasus-directory. The directory has to be created under the pegasus-directory where the device agent can be found.

System action: Processing ends.

User response: Make sure that the pegasus-directory is created under the location where the device agent exists. If this required pegasus-directory is not

available, it can be manually copied from the default FlashCopy Manager installation directory to the required location.

FMM4179E **Metro mirror or global mirror remote copy relations for source '*source vdisk*' do not have a consistency group defined.**

Explanation: Metro mirror or global mirror remote copy relations have not been added to a consistency group.

System action: Processing ends.

User response: Add the metro mirror or global mirror remote copy relations to a consistency group. Try the operation again.

FMM4180W **The current number of metro mirror or global mirror remote copy relations '*current num of rc relations*' is different from the number at the time of backup '*original num of rc relations*'.**

Explanation: The number of metro mirror or global mirror remote copy relations is different from that at the time of backup.

System action: Processing ends.

User response: Add the missing metro mirror or global mirror remote copy relations to the consistency group. Try the operation again.

FMM4183I **Performing *flashcopytype* FlashCopy of source volume *source* to target volume *target*.**

Explanation: Indicates which type of FlashCopy is performed and which source and target volumes are used.

System action:

User response: None.

FMM4184I **CIM Agent version for *hwType*: '*version.release.revision*'.**

Explanation: Provides the CIM Agent version.

System action:

User response: None.

FMM4185E **The mandatory source and target FlashCopy mapping *source* / *target* cannot be satisfied because the volumes do not match.**

Explanation: The source to target mappings specified in the target volumes file are invalid. Either the volumes are located in different SAN Volume Controller clusters or the volume size does not match.

System action:

User response: Correct the target volumes file and try the operation again.

FMM4186E **For the sources *source* no matching target LUN could be found in the selected target set.**

Explanation: The selected target set from the target volumes file has no matching volume for the source volume. Either the volumes are located in different SAN Volume Controller clusters or the volume size does not match.

System action:

User response: Update the target volumes file to provide target sets which have matching target volumes for the source volumes.

FMM4187E **The LUN with serial number '*serial*' is not known by the configured CIM Agent '*primaryserver*' of storage system type '*hardwaretype*'.**

Explanation: The device agent communicates with the storage CIM agent to get information about the LUNs. However, the connected CIM Agent did not find information for the LUN identified by this serial number. Verify that the correct device class is used, and that the missing LUN resides on the specified CIM agent of the specified storage system type.

System action: Processing stops.

User response: Verify with the storage GUI or CLI that the CIM agent is working and the concerned LUN is available. Another cause of this error is when the storage system of the disks are not of the type specified by the parameter COPYSERIVICES_HARDWARE_TYPE. See the description of this parameter in the User's Guide. Use AIX commands to figure out the type of the storage. For example, lscfg -pvl 'hdisknnn' or lsdev -Cc disk. Ensure that each copy of the database is residing on disks of the same storage system type. Ensure that the right device class has been used and that the missing LUN resides in the specified CIM agent of the specified storage system type.

FMM4188E **The target volume named *volname* is not known by the CIM Agent in the cluster *cluster*.**

Explanation: The device agent communicates with the storage CIM agent to get information about the LUNs. However, the connected CIM Agent did not find information for the LUN identified by this volume name and cluster name.

System action: Processing stops.

User response: Verify with the storage GUI or CLI

that the CIM agent is working and the concerned LUN is available.

FMM4189E The cluster id *clustername;* specified by the parameter *parname;* is not known by the CIM Agent.

Explanation: The FlashManager device agent communicates with the storage CIM agent to get information about the LUNs. However, for the cluster identified by this id or name no information was found in the CIM agent current connected.

System action: Processing stops.

User response: Verify with the storage GUI or CLI that the CIM agent is working and the concerned cluster is available.

FMM4190I All source/target pairs are in an incremental FlashCopy relation.

Explanation: The FlashManager device agent found already established FlashCopy relations and will try to re-use them.

System action: Processing continues.

User response: None.

FMM4191I No source/target pairs are in an incremental FlashCopy relation.

Explanation: The FlashManager device agent was not able to find FlashCopy relations for the volumes involved in this backup. The relations will now be established.

System action: Processing continues.

User response: None.

FMM4192I Not all source/target pairs are in an incremental FlashCopy relation.

Explanation: The FlashManager device agent found some of the FlashCopy relations established, some not. The missing relations will be established.

System action:

User response: None.

FMM4193E The DB2 instance owner *instanceowner* could not be found in /etc/passwd.

Explanation: This function is only allowed for DB2. Your DB2 instance must have the same name as the DB2 instance owner as specified in /etc/passwd.

System action: Processing ends.

User response: Please make sure you start this function as DB2 instance owner.

FMM4194I All virtual machines that are located within the '*datastore name*' data store are powered down and unregistered.

Explanation: All virtual machines that are located within the specified data store are powered down and unregistered.

System action: Processing continues.

User response: No action is required.

FMM4195I The '*vm name*' virtual machine is successfully restored and registered at the '*ESX host name*' ESX host.

Explanation: The specified virtual machine was successfully restored and registered.

System action: Processing continues.

User response: No action is required

FMM5000E Tivoli Storage Manager Error: *error_message*

Explanation: During a connection of Data Protection for SAP to Tivoli Storage Manager server, a Tivoli Storage Manager error *error_message* occurred.

System action:

User response: Use the Tivoli Storage Manager Messages guide and correct the Tivoli Storage Manager server error. Try your last action again.

FMM5001E Tivoli Storage Manager Error: *error_message*

Explanation: During a connection of Data Protection for SAP to Tivoli Storage Manager server, a Tivoli Storage Manager error *error_message* occurred.

System action:

User response: Use the Tivoli Storage Manager Messages guide and correct the Tivoli Storage Manager server error. Try your last action again.

FMM5002E Tivoli Storage Manager Error during inquire of mux file *backup_id*: *error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5003E Tivoli Storage Manager Error: *error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5004W Tivoli Storage Manager Error: *error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5005E Tivoli Storage Manager Error.

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5006E Tivoli Storage Manager Error: *error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5007E Tivoli Storage Manager Error.

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5008E Tivoli Storage Manager Error.

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5009E Tivoli Storage Manager Error: *error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5010E Tivoli Storage Manager Error: *error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5011E Tivoli Storage Manager Error: *error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5012E Cannot open Tivoli Storage Manager API message text file. Check if DSMI_DIR is set correctly. Current value of DSMI_DIR is: *dsmi dir*

Explanation: The Tivoli Storage Manager API is unable to open the message text file. This file is required in order to issue messages. By default, it should reside in the Tivoli Storage Manager API installation directory. If the Tivoli Storage Manager API is installed in another location, use the DSMI_DIR the environment variable to specifiy the correct location.

System action: Processing stops.

User response: Verify that the DSMI_DIR environment variable points to the correct location and that the Tivoli Storage Manager API installation is complete.

FMM5013E Value for *name* **is too long. Current value:** *value*

Explanation: The value of the environment variable *name* has too many digits.

System action:

User response: Check if the variable is set correctly.

FMM5014E Tivoli Storage Manager Error: *error_message*

Explanation: See FMM5001E.

System action:

User response: See FMM5001E.

FMM5015W Data *description*, *file name* **could not be restored, because it was backed up with a newer version (***objInf_support information***).**

Explanation: The TSM server hosts backups (data description) which were made with a new version of backint or backom, which ignores this data in further processing.

System action:

User response: Upgrade the product.

FMM5016I **Time:** *current time* **New TSM session created: MGMNT–CLASS:** *management_class***, TSM–Server:** *server_name***, type:** *session_type*

Explanation: A new session to TSM server *server_name* has been established at *current_time*. Data will be stored in management class *management_class*.

System action:

User response: None.

FMM5017E **Internal Tivoli Storage Manager Error: Transaction succeeded although it was expected to fail.**

Explanation: An internal Tivoli Storage Manager error occurred.

System action:

User response: Retry the action. If the error occurs again contact IBM Support.

FMM5018E **The requested buffer has a size (***current_size* **bytes) that is smaller than requested** *requested_size***.**

Explanation: The request for a new buffer was successful. The buffer, however, does not have the requested size.

System action:

User response: Check if the system is running low on memory and retry the action. If the error occurs again contact IBM Support.

FMM5019E **Error during delete of object** *filename***:** *object*

Explanation: A named file could not be deleted from a TSM server.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM5020E **Error while deleting objects :** *objects*

Explanation: One or more named objects could not be deleted from a TSM server.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM5021W **No data is deleted on the TSM Server because the environment variable "XINT_FUNCTION_DELETE" is set to "DISABLE".**

Explanation: The delete function was disabled temporarily.

System action:

User response: If the delete function has to be re–activated, unset the environment variable XINT_FUNCTION_DELETE and try again.

FMM5022W **Error during version delete. Not all backups that should have been expired could be removed.**

Explanation: The database backup finished successfully. Nevertheless, the deletion of expired backup sets failed.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM5637I **SAN Volume Controller CIM Agent version is:** *version***.msgnl;**

Explanation: The San Volume Controller CIM Agent version.

System action: Processing continues.

User response: None.

FMM5651E **Incorrect copy type** *copyType* **has been specified for space–efficient target volume** *targetVolume***. Please retry this command using NOCOPY copy type.**

Explanation: It is inefficient to perform COPY or INCR type of flashcopy backup with space–efficient target volumes as it will force the space–efficient volumes to grow to full size on the very first backup. Use NOCOPY copy type instead.

System action: Command will fail.

User response: Please retry the command using NOCOPY copy type.

FMM5667E **A Flashcopy Restore operation is in progress between source volume** *sourceVolume* **and target volume** *targetVolume***. Please retry this command after the restore operation completes.**

Explanation: It is not possible to perform other Flashcopy backup or restore operations using this source until the currently running FlashCopy restore operation completes.

System action: Command will fail.

User response: Please retry the command after the Flashcopy restore operation completes.

FMM5668E The input target volume *targetVolume* **is already in a flashcopy relationship with a volume other than the input source** *sourceVolume***. Please retry this command with a different target volume.**

Explanation: It is not allowed to use a given volume as the target for more than one flashcopy relationship.

System action: Command will fail.

User response: Please retry the command using a different target volume.

FMM6201I Checking status of database.

Explanation: The actual status of the database will be checked to ensure a valid state for the subesquent operation.

System action:

User response: None.

FMM6202E The log mode for this database is NOARCHIVELOG.

Explanation: The log mode for this database is NOARCHIVELOG.

System action:

User response: Change the log mode for this database to ARCHIVELOG.

FMM6203E The Oracle database is currently in read–only mode.

Explanation: The Oracle database is currently designated as read–only. Processing stops.

System action:

User response: Remove the read–only mode of the Oracle database and try again.

FMM6204E The Backup type is online but the mount mode is either nomount or startup restricted.

Explanation: The Backup type is online but the mount mode is either nomount or startup restricted.

System action:

User response: Change the mount mode to startup mount.

FMM6205I Changing Oracle mode to: *mode***.**

Explanation: The operational mode of the Oracle database is changed to the named mode.

System action:

User response: None.

FMM6206E No table space was found for the Oracle database.

Explanation: No table space was found for the Oracle database.

System action:

User response: Make sure the correct database system identifier (SID) is specified.

FMM6207E Oracle database data files were not found. More details: *errormsg*

Explanation: IBM Tivoli Storage FlashCopy Manager was unable to determine the names of the data files that are used by the database.

System action: Processing stops.

User response: Check the *errormsg* for more information about the cause of this problem.

FMM6208E Oracle database control files were not found.

Explanation: Oracle database data files were not found.

System action:

User response: Make sure the correct database system identifier (SID) is specified.

FMM6209E The database failed to shutdown during the flashcopy operation.

Explanation: The database attempted to shutdown because the backup type parameter is set to offline. The database failed to shutdown.

System action:

User response: Manually shutdown the database you are trying to back up, then run the operation again.

FMM6210E Failed to open the output file: *filename*

Explanation: The named output file could not be opened.

System action:

User response: Either the file doesn't exist or the permissions are not sufficient for the requested operation. Check that the directory exists where an attempt is being made to access the output file and that

sufficient permissions are granted. Try again.

FMM6211E Failed to copy the database controlfile. Please check log file '*filename*'.

Explanation: The Oracle database control file doesn't exist.

System action:

User response: Make corrective actions regarding the information to be found in the named log file and try again.

FMM6212I Suspend database.

Explanation: The Oracle database to be flashed is going to be supended.

System action:

User response: None.

FMM6213E An error occurred while attempting an 'alter system suspend' action. More details: *errormsg*

Explanation: An error occurred while attempting an 'alter system suspend' action. Details can be found in the named message.

System action:

User response: Make sure the Oracle database to be backed up is running, then try to suspend the system with a command line invocation. If the system suspends successfully, run the operation again.

FMM6214I Resume database.

Explanation: The Oracle database to be flashed is going to be resumed.

System action:

User response: None.

FMM6215E An error occurred while attempting an 'alter system resume' action. More details: *errormsg*

Explanation: An error occurred while attempting an 'alter system resume' action. Details can be found in the named message.

System action:

User response: Make sure the Oracle database to be backed up is running, then try to resume the system with a command line invocation. If the system resumes successfully, run the operation again.

FMM6216E Failed to get Oracle version information.

Explanation: Failed to get Oracle version information using sqlplus.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6217I Database switched to next logfile.

Explanation: The database switched to the next logfile.

System action:

User response: None.

FMM6218E Backup ID to delete not specified.

Explanation: To delete a backup a valid backup id has to be specified.

System action:

User response: Specifiy a valid backup id and try again.

FMM6219I Backup to Tivoli Storage Manager: *filename*

Explanation: Backing up the named file to Tivoli Storage Manager.

System action:

User response: None.

FMM6220E Another clone with clone database name '*clone database name*' is already mounted on a clone server using device class '*device classes*'.

Explanation: The requested 'create_clone' command cannot continue due to another clone with the specified name is still mounted on a clone server using the specified device class(es).

System action: Processing ends.

User response: Either issue explicitly the 'delete_clone' command to release resources on the clone server or, if possible, issue the 'refresh_clone' command, which implicitly triggers the deletion of a clone prior starting a new one.

FMM6221I Database profile: *filename*

Explanation: Using the named database profile.

System action:

User response: None.

FMM6222E Database profile '*filename*' not found.

Explanation: The named database profile was not found.

System action:

User response: Check if the named profile exists and try again.

FMM6223I Detected control file: *filename*

Explanation: The named Oracle control file was found.

System action:

User response: None.

FMM6224I Create control file copy: *control file*

Explanation: A named Oracle control file copy will be created.

System action:

User response: None.

FMM6225I Create database parameter file '*filename*' from SPfile.

Explanation: A named Oracle database parameter file will be created.

System action:

User response: None.

FMM6226E Default directory for database parameter file '*filename*' not found.

Explanation: The name Oracle parameter file could not be found within the default directory.

System action:

User response: Ensure a valid Oracle parameter file exists in the default directory and try again.

FMM6227I Parameter 'database_control_file_restore' is set to yes in the profile. You will need to do the incomplete recovery after the restore.

Explanation: The Oracle database control file is requested for restore.

System action:

User response: None.

FMM6228E The database seems to be running. Restore not possible.

Explanation: A running Oracle database was detected and therefore a restore is not possible.

System action:

User response: Check if the started restore operation is valid. If yes, stop the running database and try again.

FMM6229I Restoring control file *controlfile*

Explanation: The named control file will be restored.

System action:

User response: None.

FMM6230I Set table space files in backup mode.

Explanation: The table space files of the participating table spaces will be set in backup mode.

System action:

User response: None.

FMM6231I End backup mode for table space files.

Explanation: The backup mode for table space files of the participating table spaces will be reset.

System action:

User response: None.

FMM6232I Looking for the latest backup.

Explanation: An attempt is being made to pick the most current valid backup image for the requested operation.

System action:

User response: None.

FMM6233I Restoring backup with ID *id***.**

Explanation: The backup with the named id will be restored.

System action:

User response: None.

FMM6234E No backup found which could be restored.

Explanation: There was no snapshot backup found which can be restored.

System action:

User response: Verify your environment. If one or multiple valid snapshot backup exist and the restore still fails, contact your IBM support personnel.

FMM6235I Deleting backup with ID *id*.

Explanation: The named snapshot backup is going to be deleted.

System action:

User response: None.

FMM6236E Failed to delete backup with ID *id*. Reason: *reason*

Explanation: The snapshot backup with the named id could not be deleted.

System action:

User response: Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6237E Backup failed. Please check RMAN log.

Explanation: The offloaded backup to Tivoli Storage Manager using RMAN failed.

System action:

User response: Make corrective actions regarding the information to be found in the named log file and try again.

FMM6238E Failed to switch logfiles. This is the output of the failed command: *output*

Explanation: The command failed.

System action:

User response: Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6239E Failed to detect read mode. This is the output of the failed command: *output*

Explanation: The command failed.

System action:

User response: Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6240E Failed to create a pfile from spfile. This is the output of the failed command: *output*

Explanation: The command failed.

System action:

User response: Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6241E The tablespace file '*filename*' is a link but not a real file.

Explanation: The named tablespace file has to be a real file. Instead, a link was detected.

System action:

User response: Verify your environment. If the problem cannot be resolved contact your IBM support personnel.

FMM6242E Raw devices are not supported. ('*devicename*')

Explanation: Raw devices are currently not supported.

System action:

User response: For further details on this issue, contact your IBM support personnel.

FMM6243E Failed to excute sql cmd '*command*' on host '*hostname*'. This is the output of the failed command: *output*

Explanation: The named sql command failed.

System action:

User response: Check the logs and the named output for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6244I Received an information message from the adapter: *info_message*

Explanation: Indicates that this information message was received from a device adapter.

System action:

User response: None.

FMM6245I source volume ID: *serialnumber* capacity: *size*

Explanation: The physical volume with the serial number shown has a capacity of size.

System action:

User response: None.

FMM6246I Total managed capacity: *size*

Explanation: The total amount of all physical volumes protected by IBM Tivoli Storage FlashCopy Manager is shown.

System action:

User response: None.

FMM6247W No serial number has been found for device: *devicename*

Explanation: The serial number of the specified device could not be resolved.

System action: Processing continues.

User response: No serial number has been found for the specified device. Please ensure that is available on your host.

FMM6248W No device has been found for the character device '*devicename***' with major number '***major***' and minor number '***minor***'.**

Explanation: No corresponding device has been found for the character device with 'devicename'. That means that no corresponding hdisk has been found in the OS for the ASM device which is matched using minor and major number of the device.

System action: Processing continues.

User response: Ensure that an hdisk exists in /dev which has the mentioned minor and major numbers.

FMM6249W The diskgroup '*dg***' contains failure groups which are currently offline:** *fg***. These failure groups cannot be included in the flashcopy.**

Explanation: The specified failure groups are currently offline. They cannot be included in the flashcopy and are thus not counted as valid failure groups.

System action: Processing continues.

User response: If you have to less failure groups to perform a flashcopy you may want to bring these failure groups online so that they can be included in the flashcopy.

FMM6250E Error during initialization: *descritpion*

Explanation: An error resulting in the named description was detected during the initialization phase of a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6251E Error during start of backup: *description*

Explanation: An error resulting in the named description was detected during the start of a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6252E Error during partitioning: *description*

Explanation: An error resulting in the named description was detected during the partitioning phase of a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6253E Error during preparation of snapshot: *description*

Explanation: An error resulting in the named description was detected during the preparation phase of a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6254E Error during creation of snapshot: *description*

Explanation: An error resulting in the named description was detected during the creation of a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6255E Error during verification of snapshot: *description*

Explanation: An error resulting in the named description was detected during the verification phase of a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6256E Error during write of meta–information: *description*

Explanation: An error resulting in the named description was detected during write of meta–information assigned to a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6257E Error during retrieval of meta data: *description*

Explanation: An error resulting in the named description was detected during retrieval of meta data assigned to a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6258E Error during query–initialization: *description*

Explanation: An error resulting in the named description was detected during the snapshot query–initialization phase.

System action: Check the logs for further information. After resolving the issue try again.

User response:

FMM6259E Error during retrieval of query information: *description*

Explanation: An error resulting in the named description was detected during retrieval of query information of a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6260E Error during end of query: *description*

Explanation: An error resulting in the named description was detected during the end of query for snapshot phase.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6261E Error during start of restore: *description*

Explanation: An error resulting in the named description was detected during the start of the snapshot restore phase.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6262E Error during restore: *description*

Explanation: An error resulting in the named description was detected during the restore of a snapshot backup.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6263E Error during end of restore: *description*

Explanation: An error resulting in the named description was detected during finishing of a snapshot restore operation.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6264E Error during start of delete: *description*

Explanation: An error resulting in the named description was detected during the start of the snapshot delete phase.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6265E Error during end of delete: *description*

Explanation: An error resulting in the named description was detected during finishing of a snapshot delete operation.

System action:

User response: Check the logs for further information. After resolving the issue try again.

FMM6266E Restoring Oracle control files failed. Oracle control files are on raw volumes in the production server and those are supposed to be created manually on the backup server. It failed because of either control files are not created on the backup server or created incorrectly. Please check log file '*filename***'.**

Explanation: On the production server the Oracle control files reside on raw volumes. On the backup server they need to be restored in order to perform the backup to Tivoli Storage Manager. This process did fail.

System action:

User response: Examine the content of the filename. It contains the output from the Oracle RMAN. A possible reason could be that the raw devices for the control files have not been created on the backup server.

FMM6267E Restoring Oracle control files failed. Please check log file '*filename***'.**

Explanation: On the backup server the Oracle control files need to be restored in order to perform the backup to Tivoli Storage Manager. This process did fail.

System action:

User response: Examine the content of the filename. It contains the output from the Oracle RMAN.

FMM6268W The lun '*lunname*' of failure group '*failuregroupname*' has not been found on the storage device.

Explanation: The specified lun has not been found on the currently selected storage device. If it is contained in a failure group you expect to reside on the selected storage device please ensure that is is available. If the failure group is not contained on the currently selected storage device you can ignore this message.

System action: Processing continues.

User response: Ensure that the specified lun exists on the storage device if you expect the failure group to reside on the currently selected DEVICE_CLASS in the profile.

FMM6269I The diskgroup '*diskgroupname*' with '*redundanctype*' redundancy and '*failuregroupnumber*' failure groups has been partitioned with failure groups '*failuregroupnames*'.

Explanation: The specified diskgroup has been partitioned. In this message the found failure groups and the total number of failure groups is mentioned. It can be used to check if all failure groups which were expected to be included in the flashcopy are listed.

System action: Processing continues.

User response: None.

FMM6270E INFILE name is required.

Explanation: For this function an INFILE name has to be specified either in the profile or via command line parameter.

System action: Processing ends.

User response: Either specify an INFILE parameter in the client section of the profile or add parameter -I <infile name> to the command.

FMM6271W Specified partition(s) '*partition list*' already offloaded to Tivoli Storage Manager.

Explanation: The provided database partitions were already offloaded to Tivoli Storage Manager. The backup for those partitions will not be started again.

System action: Processing continues.

User response: Provide different partitions to be offloaded.

FMM6272I Update snapshot backup with ID '*snapshot backup ID*'.

Explanation: The usability state of the given snapshot backup was updated successfully according the provided state parameter.

System action: Processing continues.

User response: None.

FMM6273E Valid usability state values are 'yes' or 'no'.

Explanation: An invalid value was specified for the usability state.

System action: Processing ends.

User response: Specify either 'yes' or 'no' as a usability state value. Upper or lower case letters are allowed.

FMM6274E Operation failed because a resource is temporarily unavailable. Please restart the operation.

Explanation: The launchpad could not fulfil the service request due to unavailable resources.

System action: Processing ends.

User response: Ensure the launchpad was not stopped in the middle of a running operation. Check the logs for additional hints regarding the failure. After resolving the issue try again.

FMM6275E The requested process can currently not be started.

Explanation: The launchpad could not fulfil the service request due to the requested process, either for mount vs. unmount or for offloaded tape backup could not be started.

System action: Processing ends.

User response: Check the logs for additional hints regarding the failure. After resolving the issue try again.

FMM6276E Another mount agent service is currently running.

Explanation: The requested action could not be started due to another mount agent service (mount, unmount, tape backup) is currently running. Only one service at a time will be handled by a mount agent on a backup server.

System action: Processing ends.

User response: Wait until the currently running service is finished and try again.

FMM6277E Partition '*partition number*' is already handled by the mount agent instance running on '*hostname*'.

Explanation: A partition can only be handled by a single mount agent instance.

System action: Processing ends.

User response: Check the environment on the backup system(s). Make sure the partition is only associated with a single mount agent instance on the backup system(s). There must be a one to one relation between the mount agent and a dedicated partition.

FMM6278E No mount agent on a backup server is set up to handle partition '*partition number*' within the current operation. Make sure that the mount agent is started correctly and verify that the hostnames listed in db2nodes.cfg match with the hostname of the backup server. If the hostnames do not match, start the mount agent with the -H hostname option.

Explanation: A partition was detected that will not be handled by the mount agent(s) on the participating backup server(s). The mount agent(s) are set up by using the command option for partitions to be handled (-N). However, one (or more) partitions where not assigned to a corresponding mount agent. The corresponding mount agent is determined by comparing the hostnames from db2nodes.cfg file (in the DB2 instance directory) with the hostname of the backup server. This error message displays when these hostnames do not match.

System action: Processing ends.

User response: Check the environment on the backup system(s). Make sure the partition is only associated with a single mount agent instance on the backup system(s). If the hostnames in the db2nodes.cfg file (in the DB2 instance directory) do not match the hostname of the backup server, start the mount agent with the -H hostname option and specify the hostname listed in the db2nodes.cfg file.

FMM6279E No mount agent is setup on a backup server to handle the current operation. Make sure that the mount agent is started correctly.

Explanation: No mount agent (the process signature is: acsgen -D -M) on the participating backup server(s) was detected that could handle the current operation. This can also happen if the password for authentication to the ACS daemon was changed.

System action: Processing ends.

User response: Check the environment on the backup system(s) and make sure that the mount agent is started correctly. If you change the password for authentication to the ACS daemon at the prodruction host, then you have to change the password on the backup host as well to match to the prodution host.

FMM6280E A usability state argument is missing.

Explanation: The 'update_status' function requires a usability state argument.

System action: Processing ends.

User response: Specify a usability state argument.

FMM6281E The usability state '*state*' is unknown or not supported.

Explanation: The specified usability state to be updated is either unknown or not supported.

System action: Processing ends.

User response: Specify a valid usability state and try again.

FMM6282E query archive unsuccessful.

Explanation: The offload agent was unable to check for files that have already been archived before.

System action: Processing ends.

User response: The offload agent calls the dsmc query archive command which fails. Check the setup of your Backup Archive client and try again.

FMM6283E offloaded tape backup unsuccessful.

Explanation: At least one error message occured during offloaded tape backup.

System action: Processing ends.

User response: Review the dsmerror.log file (and dsmsched.log file for scheduled events) to check for error messages and their impact to the operation..

FMM6284W offloaded tape backup successful with warnings.

Explanation: At least one warning message occured during offloaded tape backup.

System action: none

User response: Review the dsmerror.log file (and dsmsched.log file for scheduled events) to check for warning messages and their impact to the operation..

FMM6285I Start saving *file number* files ...

Explanation: Tape backup processing started.

System action:

User response: None.

FMM6286E **The clone database name '*cloneSID*' has been specified multiple times in the profile. Please check the values of the keyword '*keyword*'.**

Explanation: One clone database name has been specified multiple times for the specified profile keyword.

System action: Processing ends.

User response: Just specify each clone database name once for the specified profile keyword.

FMM6287E **The keyword '*keyword1*' instead of '*found_keyword*' is needed for the keyword '*keyword2*'. "**

Explanation: The specified keyword has been misspelled.

System action: Processing ends.

User response: Correct the specified keyword.

FMM6288E **The command line option –s <DEVICE_CLASS> is not allowed for function** *function name***.**

Explanation: For this function the command line option –s <DEVICE_CLASS> is not allowed.

System action: Processing ends.

User response: Restart the command without specifying the command line option –s <DEVICE_CLASS>.

FMM6289I **The '*datastore name*' data store was successfully added to the '*ESX host name*' ESX host.**

Explanation: A data store was made available on the specified ESX host.

System action: Processing continues.

User response: No action is required.

FMM6290I **The '*datastore name*' data store was successfully unmounted from the '*ESX host name*' ESX host.**

Explanation: A data store has been detached from the specified ESX host.

System action: Processing continues.

User response: No action is required.

FMM6501I **Initializing '*function*' request.**

Explanation: The offload agent will be initialized for a new function request.

System action:

User response: None.

FMM6502I **Executing '*function*' request.**

Explanation: The offload agent is executing a function request.

System action:

User response: None.

FMM6503I **Terminating '*function*' request.**

Explanation: The offload agent is terminating a function request. This also includes a cleanup of required resources.

System action:

User response: None.

FMM6504E **The '*function*' request failed.**

Explanation: A tsm4acs function, such as mount or unmount, failed unexpectedly.

System action:

User response: Check the tsm4acs log as well as the appropriate device agent log and management agent log for further details.

FMM6505E **Forced '*function*' requires the instance, database and snapshot backup ID filter arguments.**

Explanation: If a function is started with the option '–F' (forced) the filter arguments for the instance, database and snapshot backup ID also have to be specified to ensure the workflow will be applied only to one specific snapshot backup.

System action:

User response: Specify the instance (–i), database (–d) and snapshot timestamp (–T) filter arguments as well.

FMM6506I **Backup** *backup id* **was created with option TSM_ONLY. It is marked for deletion after the first TSM backup attempt.**

Explanation: The backup corresponding to <backup id> has been deleted. This is because the backup was made with TSM_BACKUP option TSM_ONLY and the TSM backup associated with this snapshot image has recently completed (successfully or unsuccessfully).

System action:

User response: None.

FMM6507E Function '*function*' is not supported.

Explanation: The function request is not supported by the offload agent.

System action:

User response: Check the specified function.

FMM6508I Initializing partition(s) '*partitions(s)*' of database '*database name*' as *type*.

Explanation: The participating database partitions will be initialized on the target system. Valid initialization types are snapshot, standby and mirror.

System action: None.

User response:

FMM6509E Failed to initialize partition '*partition(s)*' of database '*database name*'.

Explanation: The offload agent was not able to initialize one or more database partitions.

System action:

User response: Check the offload agent log as well as the DB2 diagnostic log (db2diag.log) for further details.

FMM6510I Partition(s) '*partition list*' of database '*database name*' initialized successfully.

Explanation: The participating database partitions were initialized successfully.

System action:

User response: None.

FMM6511E The snapshot backup timestamp filter is not allowed in combination with tape backups.

Explanation: The data to be off–loaded are typically under control of a versioning mechanism of either the backup mover or Tivoli Storage Manager. If multiple snapshots are in the queue to be off–loaded and the snapshot timestamp filter argument (–T) is incorrect, there is a potential risk of bypassing the established version control mechanism and losing tape backup images.

System action:

User response: Do not specify the snapshot backup timestamp filter (–T) in combination with the function 'tape_backup'.

FMM6512I The '*function*' request for database '*database name*' with partitions (*partition(s)*) processed successfully.

Explanation: The selected function for the participating partitions of a database was processed successfully.

System action:

User response: None.

FMM6513I The resources of database '*database name*' with partitions (*partition(s)*) are already mounted.

Explanation: All required file systems are already mounted on the target system.

System action:

User response: None.

FMM6514E The specified filter did not result in a match in the snapshot repository.

Explanation: The repository does not contain a snapshot backup that can be associated with the given filter arguments.

System action:

User response: Check all specified filter arguments and try again.

FMM6515E A snapshot backup currently offloaded to tape is no longer mounted.

Explanation: A tsm4acs tape_backup workflow consists of the steps: mount, tape backup, unmount. When entering the unmount–phase, tsm4acs could not find the snapshot backup that was just backed up to tape. In principle, the tape backup might have finished successfully but some kind of a failure was detected that prevents the tape_backup cleanup phase from completing.

System action:

User response: Check the tsm4acs log as well as the appropriate device agent log for further details.

FMM6516E Another '*function*' request for a snapshot backup is already running.

Explanation: tsm4acs has detected that another request, such as mount or tape_backup, for a snapshot backup is running.

System action:

User response: A new tsm4acs request can only be started if the old request has finished.

FMM6517I A snapshot backup is already mounted.

Explanation: The tsm4acs mount–request will not be executed due to an already mounted snapshot backup on the offload system.

System action:

User response: None.

FMM6518I No snapshot backup is currently mounted.

Explanation: The tsm4acs unmount–request will not be executed because there is currently no snapshot backup mounted on the offload system.

System action:

User response: None.

FMM6519I No snapshot backup is currently pending to be offloaded to tape.

Explanation: The tsm4acs tape_backup request will not be executed because there is no snapshot backup in the TAPE_BACKUP_PENDING state.

System action:

User response: None.

FMM6520I Starting database instance '*instance name*'.

Explanation: The database instance on the target system will be started.

System action:

User response: None.

FMM6521I Database instance '*instance name*' was started successfully.

Explanation: The database instance on the target system was started.

System action:

User response: None.

FMM6522W Database instance '*instance name*' already started.

Explanation: The database instance on the target system is already running.

System action:

User response: The offload agent workflow should not be affected. In general, no action is required.

FMM6523E Database instance '*instance name*' could not be started.

Explanation: The database instance on the target system could not be started.

System action:

User response: Check the DB2 diagnostic log (db2diag.log) for further details.

FMM6524I Stopping database instance '*instance name*'.

Explanation: The database instance on the target system will be stopped.

System action:

User response: None.

FMM6525I Database instance '*instance name*' was stopped successfully.

Explanation: The database instance on the target system was stopped.

System action:

User response: None.

FMM6526W Database instance '*instance name*' already stopped.

Explanation: The database instance on the target system was already stopped.

System action:

User response: Check the DB2 diagnostic log (db2diag.log) for indication of whether an unexpected failure was the cause. Also check the tsm4acs log for indications that the workflow, which includes shutdown of the database instance on the target system, reported unexpected failures.

FMM6527E Database instance '*instance name*' could not be stopped.

Explanation: The database instance on the target system could not be stopped.

System action:

User response: Check the DB2 diagnostic log (db2diag.log) for further details.

FMM6528E The file containing the list of partitions and hosts to be off–loaded could not be created.

Explanation: The 'rah' host file is used by DB2 to determine the database partitions that must be processed in a DPF environment. By default, this file is 'db2nodes.cfg'. tsm4acs uses a temporary 'rah' host file

to be able to handle only a subset of partitions.

System action:

User response: The temporary 'rah' host file used by tsm4acs will be created under '$HOME/sqllib', where $HOME is the home directory of the DB2 instance owner. Ensure that the appropriate permissions are set and enough free space is available.

FMM6529I Database instance '*db instance*' already started.

Explanation:

System action:

User response:

FMM6530E The default database path could not be determined.

Explanation: The value of the default database path (DFTDBPATH) stored in the database manager configuration could not be retrieved.

System action:

User response: Check the DB2 diagnostic log (db2diag.log) for details. Further, verify the database manager configuration to be issued by the DB2 instance owner as follows: db2 get dbm cfg | grep DFTDBPATH. Also for a more detailed analysis, enable the trace facility for the offload agent and re–execute the function.

FMM6531I Cataloging database '*database name*' on path '*path*'.

Explanation: The database on the target system will be cataloged.

System action:

User response: None.

FMM6532I Database '*database name*' on path '*path*' cataloged successfully.

Explanation: The database on the target system was cataloged successfully.

System action:

User response: None.

FMM6533E Failed to catalog database '*database name*' on path '*path*'.

Explanation: The database on the target system could not be cataloged.

System action:

User response: Check the DB2 diagnostic log (db2diag.log) for further details. Additionally, for a more detailed analysis enable the trace facility of the offload agent and re–execute the function.

FMM6534E Another snapshot backup is already mounted.

Explanation: The tsm4acs mount–request will not be executed due to an already mounted snapshot backup on the offload system.

System action: Processing ends.

User response: Unmount the previously mounted backup.

FMM6535E The snapshot backup with ID '*identifier*' does not qualify for restore operations.

Explanation: Due to its characteristics the specified snapshot backup can not be restored. Common reasons are the copy type of the flashcopy is NOCOPY or the background copy operation has not been finished yet.

System action: Processing ends.

User response: Use a different backup for the restore operation or wait until the background copy has been completed or use the force option to enforce a reversal of the direction of the copy relation (not supported by all storage devices).

FMM6536W The virtual machine '*vm name*' will be ignored and not be part of the backup since it is not connected to the vCenter server.

Explanation: The specified virtual machine is not connected to the vCenter server and cannot be included in the backup. It will not be restorable.

System action: Processing continues.

User response: Connect the virtual machine or exclude it from the backup to get rid of this warning.

FMM6537I Database '*database name*' on path '*path*' already cataloged.

Explanation: The database on the target system was already cataloged.

System action:

User response: None.

FMM6539W The retry threshold for the snapshot backup was exceeded.

Explanation: If tsm4acs is running in the daemon mode (–D), only one attempt will be made to offload a tape from a snapshot backup. This restriction was imposed to prevent an excessive number of offload retries for a snapshot backup.

System action:

User response: A snapshot backup for which the retry threshold was exceeded can only be offloaded to tape using the manual mode of tsm4acs (–f tape_backup).

FMM6540I *Start time*: **Starting backup of database '***database name***', partition(s) '***partition(s)***' with the following options: METHOD** *offload backup method* **SESSIONS** *number of sessions* **OPTIONS** *options* **BUFFERS** *number of buffers* **BUFFERSIZE** *buffer size* **PARALLELISM** *degree of DB2 parallelism*

Explanation: The off–loaded tape backup was started using the 'db2 backup database' command. The set of listed backup parameters gives a brief summary about the options and values that were used for the backup.

System action:

User response: None.

FMM6541I **End_time Instance Database Partition Snapshot_ID Tape_backup_ID**

Explanation: The backup is finished. A backup result table for all participating partitions of the database will be generated.

System action:

User response: None.

FMM6542I *end timeinstance namedatabase namepartitionsnapshot idtape backup id*

Explanation: One entry of the backup result table reflects one partition of the database. The backup for a database partition succeeded if a valid tape backup ID (DB2 tape backup timestamp) was inserted. If the tape backup for a partition failed, the tape backup ID is set to '–'.

System action:

User response: None.

FMM6543E **The disks could not be attached to the requested target virtual machine: '***vm name***'. Please make sure to use the ESX host where the target virtual machine is running as auxiliary ESX host. ESX host '***esx hostname***' has been used for this operation.**

Explanation: The disks could not be attached to the specified target virtual machine.

System action: Processing ends.

User response: Ensure to use the ESX host where the specified target virtual machine is running as auxiliary ESX host.

FMM6544I **Snapshot backup suspend time:** *suspend time*

Explanation: The snapshot backup suspend time specifies the minimum recovery time for all participating partitions.

System action:

User response: None.

FMM6545I **Write control file** *ctrlfile*

Explanation: The offload agent is writing the Oracle control file to a local file system.

System action:

User response: None.

FMM6546I **Write database parameter file** *parameter file*

Explanation: The offload agent is writing the database parameter file to a local file system.

System action:

User response: None.

FMM6547I **Do not overwrite database parameter file.**

Explanation: The offload agent will not overwrite the database parameter file.

System action:

User response: None.

FMM6548I **Start backup of database instance '***instance***'.**

Explanation: The offloaded tape backup of the named database instance was started.

System action:

User response: None.

FMM6549I **Finished backup of database instance '***instance***' successfully.**

Explanation: The offloaded tape backup of the named database instance finshed successfully.

System action:

User response: None.

FMM6550I **Resetting the database logs to prepare the change of the database id.**

Explanation: In order to enable the change of the database id the database is brought into a consistent state by resetting the logs.

System action: Processing continues.

User response: None.

FMM6551I Changing the database id. This will stop the database.

Explanation: In order to create a unique clone of the database the database id is going to be changed. After this process the database will be stopped and may be restarted by IBM Tivoli Storage FlashCopy Manager to continue with further steps.

System action: Processing continues.

User response: None.

FMM6552I Successfully changed database id from *old database id* **to** *new database id***.**

Explanation: The database id has been changed as part of the cloning operation. For reference the old and new value are displayed.

System action: Processing continues.

User response: None.

FMM6553E Failed to changed database id. This is the output of the failed command: *error output*

Explanation: The attempt to change the database id has failed. The output of the operation is shown below this message.

System action: Processing ends.

User response: Check the output of the failed operation to determine the root cause. Perform corrective actions and try again.

FMM6554E The original virtual machine with instance UUID '*target instance uuid***' is needed for this single disk restore operation but was not found. Please specify a target virtual machine.**

Explanation: The original virtual machine with the specified instance UUID is needed for this single disk restore operation but was not found.

System action: Processing ends.

User response: Specify a valid target virtual machine or make the original virtual machine with the specified instance UUID available.

FMM6555I Selected snapshot backup with ID '*id***'.**

Explanation: The snapshot backup with the named id was selected to work with. The format of a snapshot id in that context is: <instance>,<database>,<timestamp>.

System action:

User response: None.

FMM6556E Failed to retrieve meta data.

Explanation: The metadata assigned to a snapshot backup could not be retrieved.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM6557I The '*function***' request for database '***dbname***' processed successfully.**

Explanation: The offload agent has completed the named function successfully.

System action:

User response: None.

FMM6558I The resources of database '*dbname***' are already mounted.**

Explanation: The offload agent has detected that all required resources of the named database are already mounted.

System action:

User response: None.

FMM6560E Backint could not be found at '*directory***'.**

Explanation: The offload agent was unable to find the backint executable file needed for offloading the data to Tivoli Storage Manager.

System action:

User response: The offload agent expects the backint executable at the default TSM for ERP installation location. Ensure that backint can be found accordingly and try again.

FMM6561W Failed to initialize partition '*partition(s)***' of database '***database name***'. Restore remaining partitions.**

Explanation: The offload agent was not able to initialize one or more database partitions.

System action: Processing continues.

User response: Restore the remaining partitions. If all partitions are restored and this warning persists check the offload agent log as well as the DB2 diagnostic log (db2diag.log) for further details.

FMM6562I Changing the database shared memory of partition(s) '*partitions(s)*' of database '*database name*' to *size*.

Explanation: The size of the database shared memory of the participating database partitions will be changed on the target system.

System action: None.

User response:

FMM6563E Failed to change the size of the database shared memory of partition '*partition(s)*' of database '*database name*'.

Explanation: The offload agent was not able to change the size of the database shared memory one or more database partitions.

System action:

User response: Check the offload agent log as well as the DB2 diagnostic log (db2diag.log) for further details.

FMM6564I Successfully changed the size of the database shared memory of Partition(s) '*partition*' of database '*database*'.

Explanation: The size of the database shared memory of the participating database partitions were changed successfully.

System action:

User response: None.

FMM6565E Another operation of IBM Tivoli Storage FlashCopy Manager is preventing accesss to this backup.

Explanation: Another operation has the access to this backup and it is preventing the current function to be execut ed.

System action: Processing stops.

User response: Verify the summary log and retry the call of the function.

FMM6600E Unexpected error during '*function*'.

Explanation: The offload agent has terminated unexpectedly due to an internal error while executing either a mount or an unmount request.

System action:

User response: Check the logs of the involved components (management agent, offload agent, device agent) for further details and descriptions regarding the failure.

FMM6801E DB2 Library not specified

Explanation: IBM Tivoli Storage FlashCopy Manager tries to load the DB2 API library specified by the DB2_LIBRARY parameter. However the value of the parameter is empty or invalid.

System action: Processing stops.

User response: Verify the value of the DB2_LIBRARY parameter in the profile.

FMM6802E Failed to load DB2 library '*library name*' dlopen error: *dlopen error*

Explanation: An error occured when loading the DB2 API library. A text description displays.

System action: Processing stops.

User response: Verify that the DB2_LIBRARY profile parameter contains the fully qualified name of the DB2 API library. Evaluate the error description.

FMM6803E DB2 Library '*library name*' could not be loaded.

Explanation: An error occurred when attempting to load the DB2 API library. See the previous error.

System action: Processing stops.

User response: See the previous error descriptions.

FMM6804E DB2 Library symbols '*library name*' could not be loaded: rc _ *return code*

Explanation: IBM Tivoli Storage FlashCopy Manager was not able to load the API functions from the DB2 API library specified by the DB2_LIBRARY parameter.

System action: Processing stops.

User response: Verify that the DB2_LIBRARY parameter contains the correct DB2 API library.

FMM6805I The production TCP/IP node '*tcp node*' will be cataloged.

Explanation: The production node directory was cataloged because it was empty or it was not found.

System action: Processing continues.

User response: None.

FMM6806E Unable to catalog production TCP/IP node '*tcp node*' as '*node alias*'.

Explanation: An error occurred while cataloging this TCP/IP node using the specified node alias. Check the db2diag.log file for more details.

System action: Proccessing stops.

User response: Evaluate the error in the the db2diag.log file.

FMM6807I **The production TCP/IP node '*tcp node*' has been cataloged successfully as '*node alias*'.**

Explanation: The node was cataloged successful.

System action: Proccessing continues.

User response: None.

FMM6808I **The production database '*database name*' will be cataloged.**

Explanation: The production database '*database name*' will be cataloged in the database directory on the system.

System action: Processing continues.

User response: None.

FMM6809E **Unable to catalog production database '*database name*' as '*new database name*'.**

Explanation: The database '*database name*' could not be cataloged as database '*new database name*' on the target system.

System action: Processing ends.

User response: Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resloving the cause of the error.

FMM6810I **The production database '*database name*' has been cataloged successfully as '*new database name*'.**

Explanation: The database '*database name*' has been cataloged as database '*new database name*' successfully on the target system.

System action: Processing continues.

User response: None.

FMM6811E **Parsing error in file '*filename*' at line '*line number*' at position '*position*'. Expected one of '*valid possibilities*' but found '*line*'.**

Explanation:

System action: Processing ends.

User response:

FMM6812E **Unable to connect to the production database '*database name*'.**

Explanation: A connection to the production database '*database name*' was not established. This can be caused by incorrect user rights or by the database instance not being started.

System action: Processing ends.

User response: Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resloving the cause of the error.

FMM6813E **Unable to disconnect from the production database '*database name*'.**

Explanation: The product was unable to disconnect from the production database '*database name*'.

System action: Processing ends.

User response: Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resloving the cause of the error.

FMM6814I **A attachment to the production database instance '*database instance*' has been made.**

Explanation: The client has successfully attached to the production database instance '*database instance*'.

System action: Processing continues.

User response: None.

FMM6815I **A connection to the production database '*database name*' has been made.**

Explanation: The client has successfully connected to the production database '*database name*'.

System action: Processing continues.

User response: None.

FMM6816I **TBS container name=*tablespace container name***

Explanation: The tablespace container '*tablespace container name*' was detected.

System action: Processing continues.

User response: None.

FMM6817E **Tablespace container '*tablespace container name*' is in exception state.**

Explanation: The tablespace container '*tablespace container name*' is in a state (such as OFFLINE) that prevents further processing.

System action: Processing ends.

User response: Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resloving the cause of the error.

FMM6818I **Set client connection to Node '*node number*'.**

Explanation: Connection settings for the client process using node '*node number*' are performed.

System action: Processing continues.

User response: None.

FMM6819E **No data was obtained from Database Monitor.**

Explanation: Snapshot information from the database manager operational status was not collected.

System action: Processing ends.

User response: Check the DB2 diagnostic log (db2diag.log) for more information regarding this problem. Try the operation again after resloving the cause of the error.

FMM6820E **The '*hostname*' ESX server has not been found in the vCenter server.**

Explanation: The specified ESX host cannot be found in the vCenter server.

System action: Processing ends.

User response: Specify another ESX host.

FMM6821E **Attachment to the production DB2 instance for user *user* failed. Verify that the database manager on the production system has started.**

Explanation: The attachment of the instance user to the production DB2 instance failed.

System action: Operation fails.

User response: Verify that the database manager on the production system has started.

FMM6822E **Some tablespace containers are in an exception state.**

Explanation: Some DB2 tablespace containers are in an exception state.

System action: Operation fails.

User response: Check the db2diag.log file for more details about this error. Try the operation again after the cause of this error has been corrected.

FMM6823I **The attachment to the production database instance '*database instance*' has been detached.**

Explanation:

System action:

User response:

FMM6824I **The connection to the production database '*database name*' has been disconnected.**

Explanation: The connection to the production database has been disconnected.

System action: No specific system behavior.

User response: None.

FMM6825E **A DB2 API call failed with the following error:** *error code*

Explanation: A call to the DB2 API failed. The error code is given with this message.

System action: Operation failed.

User response: Check the db2diag.log file for more details and refer to the DB2 user manual regarding this DB2 error code.

FMM6826E **DB2 Library '*library name*' could not be unloaded.**

Explanation: Unable to unload the DB2 library.

System action: Operation fails.

User response: Check the application logs and db2diag.log files for more details about this error.

FMM6827E **Tablespace '*tablespace*' is in state '*state*'. Snapshot backup is not possible.**

Explanation: The current state of the tablespace does not allow a snapshot backup to occur.

System action: Operation fails.

User response: Change the tablespace to a NORMAL or BACKUP PENDING state and run the operation again.

FMM6828E **Some tablespaces are not in 'NORMAL' state. Snapshot backup is not possible.**

Explanation: A snapshot backup cannot be taken unless some tablespaces are in a NORMAL state.

System action: Operation fails.

User response: Change the tablespaces to a NORMAL state and run the operation again.

FMM6829I Connecting to the production database '*database name*' ...

Explanation: A connection to the production database will be established.

System action: No specific system behavior.

User response: None.

FMM6830I Disconnecting from the production database '*database name*' ...

Explanation: Disconnecting from the production database.

System action: No specific system behavior.

User response: None.

FMM6831I Attaching to the production database instance '*database instance*' ...

Explanation: Attaching to the production database instance.

System action: No specific system behavior.

User response: None.

FMM6832I Detaching from the production database instance '*database instance*' ...

Explanation: The production database instance has been detached.

System action: No specific system behavior.

User response: None.

FMM6833E The RMAN executable was not found or is not executable by the current user. Could not verify the connection to the Oracle catalog database.

Explanation: Either the current user ID is not an Oracle user or the Oracle environment variables are not set correctly.

System action:

User response: Verify that you are logged in as the database instance user and that your environment variables are correctly specified.

FMM6901I Response to Init request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6902I Response to Partition request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6903I Response to Prepare Flash request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6904I Response to Restore request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6905I Response to Flash request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6906I Response to Verify request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6907I Response to Complete Restore request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6908I Response to Expiration request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6909I Response to Monitor request.

Explanation: This message indicates the progress of the flow within the device agent.

System action:

User response: None.

FMM6910E Could not set user ID to *userid*. Error *error* – *errormsg*.

Explanation: The user id of the device agent process could not be switched internally to the named user id.

System action:

User response: Check the permissions of the binary and try again.

FMM6911E The effective user ID *userideff* of the process could not be set to the user *userid*. Error *error* – *error_msg*. Check that the device agent executable has the s–bit set.

Explanation: Due to insufficient permissions of the device agent executable, the user id of the device agent process could not be switched internally to the named user id.

System action:

User response: Check that the device agent binary has the s–bit set and try again.

FMM6912E Background operation shutting down in order to give precedence to a concurrent operation.

Explanation: A background operation is ending because some interactive operation using the same resources was started. Once the operation taking precedence has ended, the background operation is resumed.

System action:

User response: None.

FMM6913E Wrong parameter provided with option '–c'.

Explanation: A program was called with an unsupported parameter value.

System action:

User response: If the program was called from the command line or from a script, correct the call. Otherwise, contact your IBM support personnel.

FMM6914E Invalid option '–K' specified.

Explanation: A program was called with an unsupported parameter value for the internal option '–K'.

System action:

User response: If the program was called from the command line or from a script, correct the call. Otherwise, contact your IBM support representative.

FMM6915E Could not change directory to *path*.

Explanation: An executable file needs to change to the named working directory, however, changing to the directory did not succeed.

System action:

User response: Make sure authorization is set correctly for the executable file to access the required path.

FMM6916E Program *program*, function *function*: received signal *signal*, exiting.

Explanation: The program received a signal that forces the operation to end.

System action: Operation fails.

User response: Run the last operation again.

FMM6917E Failed to find volume group for file: *path*

Explanation: The file named could not be located. Its file system or volume group could not be determined.

System action:

User response: Make sure that the database meets the requirement for snapshot backups. Make sure that the data is located on a file system under the control of the storage device.

FMM6918E Error when reading the correlation list or during the FlashCopy of the volume pairs.

Explanation: A problem occurred either while reading the correlation list or while flashing the volume pairs.

System action:

User response: Check the relations of the (source/target) volume pairs.

FMM6919E Failed to cancel the copy relationship of volume pairs: rc=*return_code*.

Explanation: Withdrawing the copy relations of the determined volume pairs failed.

System action:

User response: Check the log and trace files for details.

FMM6920E After 'withdraw done' was finished the update of the IDS repository failed: rc=*return_code*.

Explanation: The IDS repository could not be updated.

System action:

User response: Check the log and trace files for details.

FMM6921E Failed to monitor the FlashCopy.

Explanation: The task for monitoring the progress of the background copy process of the volume pairs failed.

System action:

User response: Check the log and trace files for details.

FMM6922E Failed to allocate memory.

Explanation: Not enough memory was available to continue processing.

System action:

User response: Ensure that the system has sufficient real and virtual memory. Close unnecessary applications.

FMM6923I *Object_name* **control object already initialized.**

Explanation: The internal control object is already initialized and is used for the following process flow.

System action:

User response: None.

FMM6924E Failed to initialize *object_name* **control object.**

Explanation: The internal control object could not be initialized.

System action:

User response: Check the log and trace files for details.

FMM6925E Function call '*function_name***' failed.**

Explanation: A call to the named internal function failed.

System action:

User response: Check the log and trace files for details.

FMM6926I Adding '*path***' to the Disk Mapper input list.**

Explanation: The named file is added to the Disk Mapper input list.

System action:

User response: None.

FMM6927E Failed to find N–Series volume for file '*path***'. Error:** *error_information*.

Explanation: The matching N Series volume for a specified file could not be found due to an error.

System action:

User response: Check the log and trace files for details.

FMM6928E File system not found. Failed to find NFS mount point for file: '*path***'.**

Explanation: The file system base for a mount point of a specified file could not be found.

System action:

User response: Check the log and trace files for details.

FMM6929E Not a file system of type NFS. Failed to find N–Series volume for file: '*file***'.**

Explanation: The named file is not located on an NFS mounted file system.

System action:

User response: Make sure that the database meets the requirement for snapshot backups. Make sure that the data is located on a file system under the control of the N Series storage device.

FMM6930E Volume information missing. Failed to find N–Series volume for file: '*path***'.**

Explanation: The volume information could not be collected for the named file.

System action:

User response: Check the log and trace files for details.

FMM6931E Function call '*function_name***' failed. Error:** *error_information*.

Explanation: A call to an internal function failed due to the specified error.

System action:

User response: Check the log and trace files for details.

FMM6932E Function call '*function_name*' failed with rc_*return_code*. Error: *error_information*.

Explanation: A call to an internal function failed with the specified return code due to the stated error.

System action:

User response: Check the log and trace files for details.

FMM6933I Volume '*volume_id*', snap ID _ *snapshot_id*.

Explanation: The snap ID is associated with the specified volume.

System action:

User response: None.

FMM6934I The snapshot '*snapid*' was generated for the source volume '*volname*'.

Explanation: A snapshot with the name displayed was taken from this volume. In a SAN environment, this message appears for each LUN thhat is involved in the snapshot process. However, when several LUNs belong to the same volume, only one snapshot of this volume is taken.

System action:

User response: None.

FMM6935I Unmounting '*mount_point*'.

Explanation: Unmounting the specified mount point.

System action:

User response: None.

FMM6936E Failed to unmount '*mount_point*'.

Explanation: Failed to unmount the specified mount point.

System action:

User response: Check the log and trace files for details.

FMM6937I Mounting '*mount_point*'.

Explanation: Mounting the specified mount point.

System action:

User response: None.

FMM6938E Failed to mount '*mount_point*'.

Explanation: Failed to mount the specified mount point.

System action:

User response: Check the log and trace files for details.

FMM6939I Prepare for snap restore, volume '*volume_id*', snap ID _ *snapshot_id*.

Explanation: Preparation for a snap restore of the specified volume with the associated snap ID is being performed.

System action:

User response: None.

FMM6940I Prepare flash of group '*group_id*'.

Explanation: Preparation for a snapshot copy of a group of the specified volumes is being performed.

System action:

User response: None.

FMM6941I *<server name><user name><separator><hw nas nseries><timeout>*

Explanation: A list of storage device parameters.

System action:

User response: None.

FMM6942E The storage device '*number*' is not handled by this device agent.

Explanation: The specified storage device cannot be handled with this device agent.

System action:

User response: Contact your IBM support.

FMM6943I Hardware version installed: *version.information*

Explanation: The specified version of the installed hardware is indicated.

System action:

User response: None.

FMM6944I NLS and tracing are already initialized.

Explanation: The logging and tracing facilities are already initialized and are used further internally.

System action:

User response: None.

FMM6945I File system '*PATH*' was already unmounted.

Explanation: The specified file system was already unmounted.

System action:

User response: None.

FMM6946E The environment variable 'ODMDIR' is not specified. Verify that the DB2 registry parameter DB2ENVLIST contains the value 'ODMDIR'. To set the DB2ENVLIST you need to issue the command: db2set -i <DB2 instance name> DB2ENVLIST='<current envlist> ODMDIR'

Explanation: The environment variable 'ODMDIR' must set in the user's environment where the snapshot backup or restore is started. In general, this is the case for default operating system installations.

System action:

User response: allations. User response: Check the trace files where the runtime environment is written. If an entry for the ODMDIR environment variable cannot be found, set it manually as described in the message text.

FMM6947W File system '*mount_point*' is already mounted.

Explanation: A file system that should be mounted is already mounted.

System action: Operation continues.

User response: None.

FMM6948E The container '*container*' has already been created. Please specify another name.

Explanation: A container with the specified name already exists. Container names must be unique.

System action: Operation fails.

User response: Specify a unique container name.

FMM6949E Creation of the container '*container*' failed because no preceding group has been found, or the preceding group is not valid. Current group is: '*group*'. First specify a valid group using the '*command*' command.

Explanation: Acsgen received a new container message but did not receive the required GROUP information.

System action: Operation fails.

User response: Group information needs to be provided using the GROUP command before the container information is provided.

FMM6950W The output file '*path*' is not valid.

Explanation: The device agent's log file could not be created. The messages will be logged to STDOUT as well as to the acsd log file.

System action:

User response: Check the permissions of the directories and that there is enough free space in the file system. Check the acsd log and trace files for details.

FMM6951E Version mismatch error. Please check setup (*version*:*information*).

Explanation: The versions of acsd and the device agent are different.

System action:

User response: Check the log and trace files for details. If the problem cannot be resolved, contact your IBM support.

FMM6952E Error in connection to IBM Tivoli Storage FlashCopy Manager management agent.

Explanation: The IBM Tivoli Storage FlashCopy Manager management agent (acsd) could not be reached from within the device agent.

System action:

User response: Check the log and trace files for details.

FMM6953E Error while parsing *path* script. The keyword '*keyword*' is not supported during *function_name*.

Explanation: The script could not be parsed successfully due to an incorrect keyword for the given action.

System action:

User response: Check the indicated script.

FMM6954E Error while parsing script. The keyword '*keyword*' is not supported.

Explanation: The script could not be parsed successfully due to an incorrect keyword.

System action:

User response: Check the indicated keyword.

FMM6955E '*container_id*' is not a valid container. Please specify a valid container.

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6956E The usability state '*usability_state*' is not supported.

Explanation: Error in communication protocol between the device agent and the storage device adapter. The given usability state <usablility_state> is not valid.

System action:

User response: Contact your IBM support personnel.

FMM6957E Script has continued without waiting.

Explanation: The script should wait before continuing execution.

System action:

User response: Check the log and trace files for details.

FMM6958I Output from script:

Explanation: The output of the script.

System action:

User response: None.

FMM6959I Script '*path*' returned with code *return_code*.

Explanation: The indicated script returned with the specified return code.

System action:

User response: None.

FMM6960E Non–zero return code from script '*path*'.

Explanation: The script returned with a non–zero return code, which could indicate a warning or an error.

System action:

User response: Check the log and trace files for details.

FMM6961E Specify a script for removing data.

Explanation: To remove data, you must specify a script.

System action:

User response: Create and specify an appropriate script.

FMM6962I Response to File System Service request (*request*).

Explanation: A file system service request (request) is handled by the device agent and a response message is sent back to the management agent.

System action:

User response: None.

FMM6963I Performing snapshot of the source volume '*source volume*'.

Explanation: This message reports that a new snapshot operation is in progress.

System action:

User response: Watch for additional messages regarding the success of the snapshot operation.

FMM6964I Number of volumes to be processed by snapshot: '*number*'.

Explanation: The number of volumes to be processed by FlashCopy

System action:

User response: None.

FMM6965I Snapshot started ...

Explanation: The command with the 'flashcopy' function has been issued on the production system, and the program splitint waits until this action has finished.

System action:

User response: None.

FMM6966I Snapshot successful.

Explanation: The command for the snapshot–based copy of the volume pairs has completed successfully on the production system.

System action:

User response: None.

FMM6967E The directory *directory* has nested mount points that are stored on more than one volume group. This is currently not supported.

Explanation: The application sent a request to recursively backup all data stored beneath <directory>. IBM Tivoli Storage FlashCopy Manager cannot fulfill this backup request because the data stored in this directory path resides on file systems that are stored on multiple volume groups. This is currently not supported.

System action:

User response: Migrate the data underneath <directory> to a single file system or migrate the file systems mounted underneath this directory tree to a common volume group. Note that the directory structure could also contain links to files residing in other file systems. In this case you might be able to resolve this problem by simply removing those links.

FMM6968E '*command_1*' is not a valid keyword, expected '*command_2*'.

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6969E Found non–database files on the file systems to restore. Please provide a negative list or perform restore with option 'no_check' to allow overwriting those files.

Explanation: Although the previously mentioned files were not requested to be restored, they would be overwritten, because they reside on a file system that will be entirely overwritten during restore. In order to allow overwriting those files during restore they need to be added to a 'negative list' or the checking to prevent files from being overwritten needs to be disabled.

System action:

User response: Edit the 'CLIENT' section of the profile. You can either set the parameter 'NEGATIVE_LIST' to 'NO_CHECK', to allow IBM Tivoli Storage FlashCopy Manager to overwrite any file residing on a file system that will be restored, or you can set the parameter 'NEGATIVE_LIST' to point to a file (the 'negative list') which contains a list of all files and directories that are allowed to be overwritten. Any directory you add to the 'negative list' is processed recursively.

FMM6970I Snapshot restore successful.

Explanation: The snapshot restore of a snapshot backup finished successfully.

System action:

User response: None.

FMM6971E Adding the key '*key*' to the container '*container*' failed because it already exists. Please use the '*command*' command if you want to update the key.

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6972E Updating the key '*key*' in the container '*container*' failed because it does not exist. Please use the '*command*' command if you want to add the key.

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6973E The group '*group*' has already been created. Please specify another name.

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6974E '*group*' is not a valid group. Please specify a valid group.

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6975E Adding the key '*key*' to the group '*group*' failed because it already exists. Please use the '*command*' command if you want to update the key.

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6976E **Updating the key '*key*' in the group '*group*' failed because it does not exist. Please use the '*command*' command if you want to add the key.**

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6977E **The #'*first_command*' '*parameter*' command has to be preceeded by a #'*second_command*' command.**

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6978E **'*command*' is not a valid keyword when updates to containers and groups are expected.**

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6979E **Script has continued without waiting. Expected output '*command*' from script but was: '*output*'.**

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6980W **Received a warning from the adapter:** *warning*

Explanation: A warning message has been received from the storage device with the parameters: <warning>.

System action:

User response: Check the content of the warning.

FMM6981E **Received an error from the adapter:** *error*

Explanation: An error message has been received from the storage device with the parameters: <error>.

System action:

User response: Check the content of the error message.

FMM6982W **The script '*adapter_name*' returned with code 1. The logfile might contain further warnings.**

Explanation: The storage device adapter had a return code of 1.

System action:

User response: Please check the device agent logfile for further warnings.

FMM6983E **The following backup items were not assigned to corresponding snapshot items:** *backup_items*

Explanation: Backup items are storage elements such as LUN identifiers on storage area network (SAN) or network share paths on network-attached storage (NAS). Backup items are identified by IBM Tivoli Storage FlashCopy Manager OS agent "acsgen" and are based on the backup procedure of the application that requests the backup or restore operation. A snapshot item is the smallest entity identifiable in a snapshot. Backup items either all or a subset are assigned to the corresponding snapshot items. A subset is assigned in an AIX LVM mirroring or Oracle ASM environment.

System action: Processing stops.

User response: Evaluate the storage adapter-specific messages to resolve the problem.

FMM6984E **Error during prepare phase. Nothing known about group '*group_name*'. It has not been created in the partition phase.**

Explanation: Error in communication protocol between the device agent and the storage device adapter.

System action:

User response: Contact your IBM support personnel.

FMM6985E **Unable to connect to the copy services servers '*server name*' and '*backup server name*'.**

Explanation: The attempt to connect to the storage device failed for both the primary and the secondary server.

System action:

User response: Verify that the storage device is operational and accessible to the network. Make sure there are no firewall issues. Verify that the profile settings for the COPYSERVICES_PRIMARY_SERVERNAME and COPYSERVICES_SECONDARY_SERVERNAME parameters are valid.

FMM6986E **No matching target LUNs could be found in the selected target set for the source volumes '*volume list*' .**

Explanation:

System action:

User response:

FMM6988I **Executed command: '*command*'**

Explanation: Shows the command executed in the log.

System action: Processing continues.

User response: Not needed.

FMM7048I **The default port to connect to *server_name* will be used.**

Explanation: A server port for the connection to the named server was not explicitly specified. Therefore, the default port is used.

System action:

User response: Make sure the named server is listening to the default port. In the case of connection failures, specify the server port in the profile.

FMM7049I **The default for environment variable PROLE_PORT will be used.**

Explanation: The port for the internal communication of Data Protection for SAP is set during installation. The message indicates that this port is being used.

System action:

User response: None.

FMM7050E **The '*datastore name*' datastore has not been found in the datacenters defined in the domain. It is not part of the backup.**

Explanation: The specified datastore has not been found in the datacenters that are defined for the current domain. It will not be included in the backup and not be restorable.

System action: Processing continues but the specified datastores will not be included in the backup.

User response: If the specified datastore is to be included in the backup extend the domain to the datacenter where it resides.

FMM7051E **The environment variable XINT_PROFILE is not set. It must be set and contain the fully qualified path to the *.utl file to be used.**

Explanation: The way Data Protection for SAP works is specified in a profile. When called, Data Protection for SAP looks for the environment variable XINT_PROFILE which must contain the fully qualified path to the profile.

System action:

User response: Check the environment for XINT_PROFILE of the user who started Data Protection for SAP.

FMM7052E **Only one line of effective input is allowed in the input file '*input filename*' for the requested operation.**

Explanation: Only one line of effective input is allowed in the input file for the requested operation.

System action: Processing ends.

User response: Reduce the number of effective lines in the input file to one.

FMM7053E **Service setup failed due to previous error.**

Explanation: Initialization of the product failed due to previous errors.

System action:

User response: Check the product log file for further detailed messages.

FMM7054I **The datastore pattern '*datastore pattern*' will be expanded within the defined domain.**

Explanation: The specified datastore pattern will be expanded within the defined domain. Datastores that match the pattern but are outside of the domain will not be considered.

System action: Processing continues.

User response: Not needed.

FMM7055E **Service open failed due to previous error in data mover.**

Explanation: The command could not be started due to previous errors.

System action:

User response: Check the product log file for further detailed messages.

FMM7056E Service open failed because configured TSM server could not be accessed.

Explanation: The command could not be started because the TSM server defined in the profile could not be accessed.

System action:

User response: Check the product log file for further detailed messages.

FMM7057E Service open failed because all configured sessions are currently in use.

Explanation: The command could not be started because all configured sessions in the profile are currently in use.

System action:

User response: With Oracle RMAN the number of channels configured either in SAP profile or the RMAN script must be less or equal to the maximum number of allowed sessions (MAX_SESSIONS). If multiple servers are used see the User's Guide for further details. Also check the Data Protection for SAP log file for further detailed messages.

FMM7058E Service open failed because more than one file was found with the same name.

Explanation: The command could not be started because two or more files with the same name were found.

System action:

User response: Check the product log file for further detailed messages.

FMM7059E Service open failed because the file was not found.

Explanation: The command could not be started because a file specified was not found.

System action:

User response: Check the product log file for further detailed messages.

FMM7060I Data Protection for SAP(R) *version.release.modification.level* **(build** *build_number***)***beta build_date* **session:** *process id*

Explanation: This message is to verify the version of the shared library used for backup. On UNIX and Linux systems this message will be written multiple times into the log per backup depending on the RMAN setup. On Windows, it is written just once.

System action:

User response: None, if the right version is used. If the version within the log does not match the installed version, see 'RMAN Problem Resolution' in the Data Protection for SAP(R) Installation and User's Guide.

FMM7061I Continuing to restore from next data copy.

Explanation: A saved data copy could not be restored from the primary data source. Due to multiple data copies available, the unit will switch to the next available data copy and continue to restore.

System action:

User response: Although the data could be restored it should be investigated, why one of the data sources were not available.

FMM7062E To create *number_copies* **redo log copies at least** *number_sessions* **sessions and** *number_mgmtclasses* **different BRARCHIVE management classes are required. But currently only** *configured_sessions* **sessions are available.**

Explanation: If each redo log file should be stored multiple times then for each copy a dedicated session and management class at the Tivoli Storage Manager server is required. Currently there are more redo log copies requested with the profile parameter REDOLOG_COPIES than sessions and/or management classes are available.

System action: Processing ends.

User response: Check the profile parameter MAX_ARCHIVE_SESSIONS or if not set check the value of parameter MAX_SESSIONS. Increase the value to be at least as large as *number_copies*. Ensure the overall number of sessions and management classes that are configured over all server stanzas in the Data Protection for SAP profile is at least as large as *number_copies*.

FMM7063W The profile parameter BACKUPIDPREFIX is no longer valid for Data Protection for SAP HANA and will be ignored.

Explanation: Starting with version 6.4.1.1 it is no longer possible to specifiy the backup ID prefix for Data Protection for SAP HANA. The first six characters of the backup ID are now generated automatically.

System action: Processing continues.

User response: Remove the parameter BACKUPIDPREFIX from the profile.

FMM7301W Data exchange file from Data Protection for Snapshot Devices for SAP, *filename* does not exist.

Explanation: The referenced file is expected by Data Protection for SAP(R) to exist and to contain information from Data Protection for Snapshot Devices for SAP(R) about the actual snapshot operation.

System action:

User response: The absences of this files indicates a problem during the snapshot operation performed by Data Protection for Snapshot Devices for SAP(R). Please check the logs of DP for Snapshot Devices for SAP(R) to determine the cause of the problem and try again.

FMM7302W The '*vm template name*' virtual machine template with the '*vm instance uuid*' instance UUID is ignored and is not part of the backup since it is a template.

Explanation: The specified VM template is not part of the backup and will thus not be restorable.

System action: Processing continues.

User response: No action is required.

FMM7303W Profiles for Data Protection for Snapshot Devices for SAP are different. backup: *file name backup* restore: *file name restore*

Explanation: During backup the profile used by DP for Snapshot Devices can be determined automatically. For restore and inquire operations the profile for DP for Snapshot Devices must be specified in the profile using the parameter FCS_FILE. For restore DP for Snapshot Devices must use the same profile as for backup.

System action:

User response: Correct the entry for the FCS_FILE parameter in the profile (init<SID>.utl).

FMM7304I Performing DISK ONLY backup.

Explanation: The data for this backup is stored on snapshot–type disks only and will not be sent to TSM.

System action:

User response: None.

FMM7305E Error during call to Data Protection for Snapshot Devices for SAP: *error message*

Explanation: DP for Snapshot Devices could not process the requested operation successfully. Processing may not stop at this point. Depending on the type of request (backup to both TSM and snapshot disks or to snapshot disks only, restore of data which is available in both modes) there are possibilities to recover from this error and continue operation.

System action:

User response: Use the information from *error message* and the output of DP for Snapshot Devices to determine the cause of the problem and try again.

FMM7307W Data Protection for Snapshot Devices for SAP reported an error during a snapshot–type operation. Do you want to continue backing up to TSM?

Explanation: The backup was requested to be stored on both the TSM server and the snapshot–type disks. The snapshot operation has failed. Backup can continue to save data on the TSM server only.

System action:

User response: Enter 'stop' if you want to solve the cause of this error and to try again. Enter 'cont' if you want to save this data on the TSM server only.

FMM7308E DISK ONLY backup has failed.

Explanation: The current backup tried to store data on snapshot–type disks only and did not finish successfully.

System action:

User response: Check the output from DP for Snapshot Devices prior to this error message to detect the root cause of this error and try again.

FMM7309W Data Protection for Snapshot Devices for SAP reported an error during a snapshot–type operation. Do you want to continue restoring from TSM?

Explanation: The data you wanted to be restored is located on the TSM server and on snapshot–type disks. The snapshot operation has failed. The process can continue to restore data from the TSM server.

System action:

User response: Enter 'stop' if you want to resolve the cause of this error and to try again. Enter 'cont' if you want to restore from the TSM server.

FMM7310W Data Protection for Snapshot Devices for SAP reported an error during a snapshot–type operation. CAUTION: Not all filesystems are available. Do you want to retry the operation?

Explanation: In contrast to message FMM7309W not all file systems are mounted. In this case it is not possible to continue the restore from the TSM server.

System action:

User response: Enter 'stop' if you want to terminate this restore process. Enter 'cont' if you want to retry the snapshot process.

FMM7311I Profile used by Data Protection for Snapshot Devices for SAP: *profile name*.

Explanation: The message shows the name of the profile used by DP for Snapshot Devices.

System action:

User response: None.

FMM7312W Profile for Data Protection for Snapshot Devices for SAP not specified in profile. For restore this must be specified.

Explanation: For restore and inquire operation in conjunction with DP for Snapshot Devices this parameter is mandatory. Without this parameter a restore using DP for Snapshot Devices is not possible and Data Protection for SAP will continue to inquire/restore from the TSM server only.

System action:

User response: Add the parameter FCS_FILE to the Data Protection for SAP profile.

FMM7313W Inquire results from Data Protection for Snapshot Devices for SAP are not available.

Explanation: Data Protection for SAP queried Data Protection for Snapshot Devices for SAP for existing snapshot backups. This query has failed.

System action: Processing continues.

User response: If Data Protection for SAP is running in unattended mode (profile parameter BATCH set to YES), it immediately restores from tape when data is available. Otherwise you are prompted whether to restore from tape.

FMM7314E The data you want to restore is not available on the TSM server.

Explanation: Data Protection for SAP(R) was unable to retrieve information from DP for Snapshot Devices about available backups on snapshot–type disks. This message may be issued in consequence of message FMM7305E.

System action:

User response: Check the output from DP for Snapshot Devices to determine the cause of the error and try again.

FMM7315W The copy process for the files you want to restore is not finished. If you continue the operation, the files will be restored from the TSM server.

Explanation: The snapshot process running in the background has not finished moving the files from the source to the target volumes. A snapshot restore of these volumes is currently not possible.

System action:

User response: After that message you will be asked if you want to continue or stop this operation. If you want to wait until the snapshot process has finished choose 'stop' and the restore attempt will terminate. If you choose 'continue' an attempt is made to restore the data from TSM if available.

FMM7316I The following backup types for the BACKUPID *backup id* **have been found: – TSM – Snapshot**

Explanation: The backup for the backup ID *Backup ID* was stored on the Tivoli Storage Manager as well as on snapshot–type disks. For restore both data sources can be used.

System action:

User response: None.

FMM7318E The Data Protection for Snapshot Devices for SAP profile *file name* **is not valid.**

Explanation: The profile for DP for Snapshot Devices specified in init<SID>.utl could not be accessed.

System action:

User response: Check the file name and the permissions for this file and try again.

FMM7319I Start TSM restore.

Explanation: The restore uses data from Tivoli Storage Manager.

System action:

User response: None.

FMM7320I Start restore from snapshot.

Explanation: The restore is using data from snapshot–type disks.

System action:

User response: None.

FMM7321E The Data Protection for Snapshot Devices for SAP profile *file name* **found in parameter FCS_FILE of the DP for SAP(R) profile can not be used if you need to restore this backup.**

Explanation: In the Data Protection for SAP profile the FCS_FILE parameter is set, however the Data Protection for Snapshot Devices for SAP profile specified either • is not a Data Protection for Snapshot

Devices for SAP profile • does not point to the same Data Protection for Snapshot Devices for SAP configuration file which was used by the preceding Data Protection for Snapshot Devices for SAP splitint operation.

System action:

User response: You need • to correct the FCS_FILE parameter in order to ensure that a valid Data Protection for Snapshot Devices for SAP profile is used. For example, select the same file Data Protection for Snapshot Devices for SAP used when running its snapshot function in the preceding brbackup task. The file names are documented in preceding message FMM7303W) • to ensure that all SAP profiles used by Data Protection for Snapshot Devices for SAP point to the same the same control file. The control file is defined by the value of the IDS_CONTROL_FILE parameter in the Data Protection for Snapshot Devices for SAP profile.

FMM7322E Request for a partial restore or restore from snapshot with "brrestore –m all" is not supported. In case of brrestore attempt rerun with –m full.

Explanation: DP for Snapshot Devices can only restore the whole content of a backup and not only a subset of a disk backup as requested. Most likely this is caused by running brrestore with the option '–m all'.

System action:

User response: Restore complete backups only: run brrestore with the option '–m full'.

FMM7323W Request for a partial restore or restore from snapshot with "brrestore –m all" is not supported. If you want to restore the backup: – with FlashCopy restore enter stop and rerun brrestore with "–m full" – from TSM enter cont

Explanation: This message has the same reason as message FMM7322E, but in this case the data is also available from the TSM server. So you may continue to restore this data without the snapshot functionality from TSM server.

System action:

User response: Enter 'stop' if you want to try to restore a different set of files. Enter 'cont' if you want to restore this data from TSM server.

FMM7324E Restore of multiple backup ID's in one run from a snapshot is not possible.

Explanation: The data requested for this restore belongs to multiple backup IDs.

System action:

User response: Make sure the files you want to restore belong to one single backup ID and try again.

FMM7325E Redirected restore from a snapshot is not possible.

Explanation: A restore of a snapshot to a different location on the same host was attempted. This is not supported.

System action: Processing stops.

User response: Either restore the snapshot to the original location or restore from tape (if available).

FMM7535W Error while executing command. Reason: errno(*error number***)** *explanation*

Explanation: A command could not be executed successfully.

System action:

User response: Check the explanation *explanation* and the preceding output of the command execution to detect the cause of the error.

FMM7536I Execute command '*command name***':**

Explanation: The command *command name* is executed by the application. This message is followed by the output of the command executed.

System action:

User response: None.

FMM7540E None of the INCREMENTAL_LEVEL parameters specified in the profile can be used for the current operation.

Explanation: The application of a 'INCREMENTAL_LEVEL' entry within the profile can be restricted by a number of optional conditions, e.g. by time frame. If this error occurs none of the INCREMENTAL_LEVEL entries within the profile matches the conditions currently given (current time, given weekday).

System action:

User response: Check the conditions specified for the 'INCREMENTAL_LEVEL' entries within your profile. It needs to be ensured that exactly one entry matches any imaginable condition at any time.

FMM7541E The environment variable ORACLE_SID must be set.

Explanation: The current operation requires the environment of the Oracle database instance owner. Among other settings this includes the environment variable ORACLE_SID.

System action: Operation aborts.

User response: Ensure the operation is performed by the Oracle database instance owner and verify that the environment for this user is set correctly. Among other environment variables that are required to run an Oracle database the variable ORACLE_SID must be set.

FMM7542I A level *number* incremental backup using Oracle RMAN has started.

Explanation: Oracle RMAN will be started to perform an incremental backup with the specified level.

System action: Operation continues.

User response: None.

FMM7543I Recreate database control file '*file_name*'.

Explanation: CURRENTLY UNUSED

System action: Operation continues.

User response: None.

FMM7544E The copy of the database control file '*file_name*' was not found.

Explanation: The current operation does expect a copy of the database controlfile to be at the specified location. This file is created by IBM Tivoli Storage FlashCopy Manager before Data Protection for SAP is started. But the file was not found.

System action: Operation aborts.

User response: Verify that the target directory does exist and is not full. Make sure that the directory is not cleaned automatically at the time of the operation.

FMM7545I Please enter the password for the user '*user_name*' to connect against the recovery catalog database '*catalog_database_identifier*':

Explanation: Oracle RMAN stores information about all backups in a recovery catalog database. The identifier to connect against this database and the user id for this connection must be specified in the profile. The password for this connection must be specified after this prompt. It is then stored encrypted in the configuration file.

System action: Wait for user response.

User response: Enter the correct password.

FMM7546E Failed to verify the password. This is the output of the failed command:

Explanation: The verification of the password entered has failed. This may be due to missconfiguration of the connection to the recovery catalog database or just by misstyping the password.

System action: Operation aborts.

User response: Check the further ouput to find the root cause. Retry the operation and enter the correct password.

FMM7547E Failed to verify the password. This is the output of the failed command:

Explanation:

System action: Operation aborts.

User response:

FMM7548E Incremental backups require IBM Tivoli Storage FlashCopy Manager V3.1 or higher.

Explanation: To perform offloaded backups using Oracle RMAN the offload operation must be performed using IBM Tivoli Storage FlashCopy Manager Version 3.1 or higher.

System action: Operation aborts.

User response: Ensure the required version of IBM Tivoli Storage FlashCopy Manager is installed and configured.

FMM7549E Database '*identifier*' is still running on host '*host_name*'.

Explanation: Another instance of the database was found to be running on the backup server where the offloaded backup should be performed.

System action: Operation aborts.

User response: Verify the configuration if the offloaded backup was attempted on the correct backup server. Check if the running database instance is a leftover from a previous backup attempt. In this case manually shutdown the instance and retry.

FMM7550E Operation was cancelled by Oracle RMAN. Please check the log for more details.

Explanation: The operation was cancelled by Oracle RMAN.

System action: Operation aborts.

User response: Check the log output preceeding this message for more details about the root cause of this error.

FMM7551E Failed to determine the database ID:

Explanation: The process failed to determine the id of the database in the recovery catalog database.

System action: Operation aborts.

User response: Check the log output following this

message for more details about the root cause of this error.

FMM7552E Failed to determine the SCN:

Explanation: The process failed to determine the restore point in time in the recovery catalog database.

System action: Operation aborts.

User response: Check the log output following this message for more details about the root cause of this error.

FMM7553I Restoring files from backup with ID *backup_ID* **using Oracle RMAN ...**

Explanation: Oracle RMAN was started to restore all datafiles from the backup identified by *backup_ID*.

System action: Operation continues.

User response: None.

FMM7554E The password to connect against the recovery catalog database '*identifier***' is not set.**

Explanation: The password for the recovery catalog database was not found in the config file. It is stored in encrypted form in the config file. To store the password in the config file the function '$ndash;f catalog_password' must be used.

System action: Operation aborts.

User response: Run 'backint –p <profile> $ndash;f catalog_password' to store the password in the config file. Then retry the operation.

FMM7555E Files from different RMAN backups can not be restored within a single operation.

Explanation: The current operation attempted to restore files that have been stored by RMAN in different backups. This type of restore is not supported.

System action: Operation aborts.

User response: If files from different backups are required only the files from one backup can be restored at a time. Restore files from other backups in separate runs.

FMM7556E Restore of RMAN backups to a different location is not supported.

Explanation: The current operation attempted to restore database files to a location that is different from the location at backup time. This type of restore is not possible with backups that have been performed by Oracle RMAN from a flashcopy backup.

System action: The operation stops.

User response: Restore the files to the same location from where they have been backed up. If you want create a clone of the database, use the $longfcm; cloning functionality.

FMM8201E SIMULATION CANCELED BY PRODUCTION OPERATION!!!

Explanation: The current operation was a simulation performed via the Administration Assistant. This simulation was canceled since a production operation (backup or restore) has been started.

System action:

User response: Check your backup schedule and run simulations only when no other operations are scheduled.

FMM8202E There are no target sets specified in the volumes file that can be used with *device section* **and** *parameter* **'***value***'.**

Explanation: The volumes file (specified with the VOLUMES_FILE parameter in the *device section*) does not contain a target set definition which can be used in a context where *parameter* is set to *value*.

System action: Command will fail.

User response: Add target set definitions to the volumes file (specified with the VOLUMES_FILE parameter) that are appropriate for the context.

FMM8203E There are no volume sets specified in the volumes file that can be used with '*device class***' and STORAGE_SYSTEM_ID set to '***hardware id***'.**

Explanation: The volumes file (specified with the VOLUMES_DIR parameter in the *device section*) does not contain a volume set definition for a storage device identified with *hardware id*.

System action: Command will fail.

User response: Add an appropriate volume set definition to the volumes file or update and identify an existing volume set for use with the specified hardware ID.

FMM8204E All volume sets that are specified in the volumes file identified in '*device class***' require that the parameter STORAGE_SYSTEM_ID also be specified in the device section of the profile.**

Explanation: A STORAGE_SYSTEM_ID is specified for all volumes sets in the volumes file (specified with the VOLUMES_DIR parameter in *device section*). This is typically the case in mirroring environments. In this situation, the STORAGE_SYSTEM_ID parameter must

also be specified in the device class.

System action: Command will fail.

User response: In mirroring environments, add the STORAGE_SYSTEM_ID parameter to the device class. In non-mirroring environments, you can remove the STORAGE_SYSTEM_ID parameter from the volumes set definition.

FMM8205E **There are no target sets specified in the volumes file that can be used with** *device section* **.**

Explanation: The volumes file (specified with the VOLUMES_FILE parameter in the *device section*) does not contain a target set definition.

System action: Command will fail

User response: Add target set definitions to the volumes file specified with the VOLUMES_FILE parameter.

FMM8206W **The parameter** *profile parameter* **refers to the device class section(s) '***device class***' which do not exist currently in the profile. Currently existing device class sections are: '***existing device class***' If you proceed the missing device class sections are added to the profile automatically. If this is not intended, you must modify the specified device class names.**

Explanation: The specified profile parameter is referring to one or multiple device class sections that are not specified in the profile.

System action: Processing continues.

User response: You must add the missing device class section to the profile or adjust the specified profile parameter.

FMM8207E **Directory** *target dir* **does already exist. To perform IBM Tivoli Storage FlashCopy Manager tape backup this directory must not exist. After deleting this directory run an unmount and perform the tape backup again.**

Explanation: During tape backup process the path of this directory is required to set up backup DB2 properly

System action:

User response: Delete the directory. Afterwards run fcmcli -f unmount to clean up the backup system. Start fcmcli -f tape_backup again.

FMM8268E **The database resides on '***database_volume_mgr***' volumes but the profile specifies '***profile_volume_mgr***' as the volume manager.**

Explanation: The files to be backed up were found on a volume manager that is different from the volume manager specified in the profile.

System action: Processing ends.

User response: Specify the correct volume manager in the profile.

FMM8300I *Function_name* **returned with code** *return_codereturn_information***.**

Explanation: This message indicates that the named API function ended with the specified return information.

System action:

User response: If the return information indicates a problem, look for preceding error messages in the log files. Otherwise, no response is required.

FMM8301E *Product_name***: Exception caught in function** *function_name***. Error information: '***error_information***'**

Explanation: The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action:

User response: Analyze the error information to find the cause of the problem. Resolve any problems indicated.

FMM8302E *Product_name***: Exception caught in function** *function_name***. More information may be available in file** *log_file_name***. Error information: '***error_information***'**

Explanation: The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action:

User response: Analyze the error information and the appropriate log files to find the cause of the problem. Resolve any problems indicated.

FMM8303E **No *segment_name* section found for the instance '*id*'.**

Explanation: An error was detected while parsing the named profile segment name section.

System action:

User response: Check the named profile segment name section and make appropriate adjustments.

FMM8304W **The following error occured while verifying the configuration for section '*section*':**

Explanation: An error was detected while parsing the named profile section.

System action:

User response: Check the named profile section and make appropriate adjustments.

FMM8305E **Invalid option *option* in options string: '*options_string*'.**

Explanation: An invalid option was found while parsing the options string specified in the 'db2' command.

System action:

User response: Correct the command and try again.

FMM8306E **The keyword *keyword* is not allowed multiple times within the profile.**

Explanation: The keyword indicated was found more than once in the profile. However, this keyword must not be specified multiple times.

System action:

User response: Correct the profile.

FMM8307E **The parameter *keyword* must be specified in the profile.**

Explanation: A required keyword is missing in the profile.

System action:

User response: Correct the profile.

FMM8308E **Single argument required for parameter *keyword*.**

Explanation: The keyword indicated requires a single value. However, two or more values are found in the profile.

System action:

User response: Correct the profile.

FMM8309E **Missing argument for parameter *keyword*.**

Explanation: In the profile, a value is missing for the named parameter.

System action:

User response: Correct the profile.

FMM8310E **The keyword *keyword* is not allowed.**

Explanation: An invalid keyword was detected in the profile.

System action:

User response: Correct the profile.

FMM8311E **For parameter *keywortd*, both server and port must be specified.**

Explanation: A value of the named parameter is missing from the profile.

System action:

User response: As the value for the specified parameter, specify both server and port.

FMM8312E **Error while parsing parameter *keyword*. In order for '*value1*' to be valid '*value2*' is required to be an existing directory.**

Explanation: Value1 was found to be an invalid value for the parameter named. For this specific parameter, a file name can be specified whose path must already exist in the system.

System action:

User response: Specify the name of a file in an existing path.

FMM8313E ***Product_name*: interface problem in function *function_name*: Invalid value of *parameter*: *value***

Explanation: The named product detected an interface problem in the named API function. An invalid value was found for parameter in one of the API data structures.

System action:

User response: Contact your IBM support personnel.

FMM8314E ***Product_name*: interface problem in function *function_name*: The session is already in use by a different operation.**

Explanation: The named product detected an interface problem in the named API function. Either the session handle is used for various operations simultaneously, or the functions are called in an order not supported by

the current version of the library.

System action:

User response: Contact your IBM support personnel.

FMM8315E *Function_name*: **The following object is not under the control of** *product_name*: *path*

Explanation: The named product implementing the DB2 Advanced Copy Services API detected a problem in the named API function: The path passed by the database is not under the control of the product.

System action:

User response: Make sure the database to be backed up meets the requirements for employing snapshot backups.

FMM8316E *Product_name*: **interface problem in function** *function_name*: **Empty group list passed by DB2.**

Explanation: The named product detected an interface problem in the named API function: The database passed a group list containing no elements.

System action:

User response: Contact your IBM support personnel.

FMM8317W *Product_name*: **Verification of configuration requested by user. No backup started.**

Explanation: The user requested a verification of the configuration. The backup flow continued without errors up to the point where the snapshot would actually be done and was then cancelled. The system is ready for a snapshot backup, but no action beyond verification has been taken so far.

System action:

User response: None.

FMM8318E *Product_name*: **interface problem in function** *function_name*: **Not enough space provided to write meta data.**

Explanation:

System action:

User response: Contact your IBM support personnel.

FMM8319W **Error while deleting old versions. This problem does not affect the new backup. Error information:** '*error_information*'

Explanation: After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. However, a problem occurred while trying to remove expired backups. The new backup is not affected by this problem.

System action:

User response: Check the appropriate log files in order to determine the cause of the problem. Resolve any problems indicated. In case the storage device runs out of storage because outdated snapshot backups have not been removed, delete these snapshot backups manually.

FMM8320I **Deleting full backup** *backup_id* **–** *backup_key***.**

Explanation: After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the full backup listed is removed.

System action:

User response: None.

FMM8321I **Deleting partial backup** *backup_id* **for node** *host:partition_number***.**

Explanation: After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the backup listed for the named partition is removed.

System action:

User response: None.

FMM8322E **Interface problem: Current database partition** *number* **is not listed in the partition list.**

Explanation: The partition list passed by the database does not contain the named partition participating in an operation.

System action:

User response: Contact your IBM support personnel.

FMM8323E *Product_name*: **Problem occurred while processing** *function_name***. Please check log file** *log_file_name* **for more information. Error information:** '*error_information*'

Explanation: The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action:

User response: Analyze the error information and the

appropriate log files to find the cause of the problem. Resolve any problems indicated.

FMM8324E *Product_name*: **Problem occurred while processing** *function_name*: **Device agent returned code** *return_information*.

Explanation: The named product implementing the DB2 Advanced Copy Services API received an error from the device agent in the named API function. The device agent's return information is given.

System action:

User response: Check the appropriate log files to find the cause of the problem. Resolve any problems indicated.

FMM8325E Failed to determine hostname.

Explanation: The system was not able to determine the host name of the machine.

System action:

User response: Make sure the system setup allows for querying the hostname via system function gethostname(). Ensure that the requirements for doing snapshot backups are met.

FMM8326E Failed to create log directory *path*.

Explanation: The log path indicated is not available in the system and could also not be created.

System action:

User response: Check the properties of the path indicated and make sure that its properties and the properties of the parent directory are set accordingly. Make sure all prerequisites for doing snapshot backups are met.

FMM8327E Invalid value specified for parameter *keyword*: *value*

Explanation: A parameter value is not valid.

System action:

User response: In case the parameter was specified in the profile correct the profile. In case the parameter was specified as a command line option, correct the entry.

FMM8328E *Product_name* **must be licensed to set parameter** *keyword* **to a value of** *value*.

Explanation: Selected functions are supported only with a full TSM license.

System action:

User response: If you need the functionality requested, obtain a full TSM license and install the license file. Otherwise, in case the parameter was specified in the profile, correct the profile or, in case the parameter was specified as a command line option, correct the entry.

FMM8330E Parameter *keyword* **requires 'YES', 'NO', or AUTO.**

Explanation: For the named parameter, only the values, 'YES', 'NO' and 'AUTO' are accepted.

System action: Processing stops.

User response: Correct the profile or the call as appropriate.

FMM8331E The parameter *keyword1* **is not allowed if** *keyword2* **is set to** *value*.

Explanation: There is a dependency between parameters *keyword1* and *keyword2*. If the latter is set to the value named, keyword1 must not be specified.

System action:

User response: Correct the profile or the call as appropriate.

FMM8332E Failed to parse parameter *keyword*. **File and path names in the profile need to be fully qualified.**

Explanation: As the value of the parameter indicated, a fully qualified file or path name is expected. However, the specified value is not a fully qualified path.

System action:

User response: Correct the profile or the call as appropriate.

FMM8333E In order to enable the parameter *keyword1* **you need to set** *keyword2* **to** *value*.

Explanation: There is a dependency between parameters *keyword1* and *keyword2*. If *keyword1* is specified, *keyword2* must be given the specific value indicated in the message.

System action:

User response: Correct the profile or the call as appropriate.

FMM8334E Profile section *section_name* **is required for function** *operation*.

Explanation: The specified profile section is required in order to perform the requested operation. However, it is not included in the profile.

System action:

User response: Correct the profile.

FMM8335E **Profile section** *section_name* **refers to a value for** *keyword* **that differs from the one used at backup time. Expected value:** *value***.**

Explanation: The profile parameter named must not change its value between backup and restore. However, in the named profile section, the parameter has a value different from the value it had at backup time. This value is given in the message.

System action:

User response: Correct the profile by setting the indicated parameter to the value indicated in the message.

FMM8336E **Invalid value specified for option** *keyword***:** *value*

Explanation: An option value is not valid.

System action:

User response: Correct the call.

FMM8337E **Error while parsing profile: Missing section name.**

Explanation: The profile is organized into named sections. However, a section name was not found.

System action:

User response: Check that the profile name is specified correctly or that the default profile is a valid profile. Refer to your user documentation for the syntax of the profile or use the profile wizard to create a new profile.

FMM8338E **Error while parsing profile: Section** *section_name* **is not allowed to be nested.**

Explanation: In the profile, the named section starts before the previous section ends. However, the section in question cannot be nested.

System action:

User response: Correct the profile.

FMM8339E **Error while parsing profile: Profile section** *section_name* **is not valid.**

Explanation: An invalid section name was found in the profile.

System action:

User response: Correct the profile.

FMM8340E **Error while parsing profile: Profile section** *section_name* **must not be specified more than once.**

Explanation: In the profile, only a single section with the name indicated can be specified. However, during parsing, a second occurrence was detected.

System action:

User response: Correct the profile.

FMM8341E **Error while parsing profile: Profile section** *section_name* **missing.**

Explanation: The required profile section indicated was not found in the profile.

System action:

User response: Correct the profile.

FMM8343W **The profile parameter***profile parameter keyword* **of** *device type provile section* **has changed its value from** *(original)value1* **to** *(current) value2***.**

Explanation: The profile parameter named must not change its value between backup and restore. However, in the named profile section, the parameter has a new value *value2* different from the value *value1* it had at backup time. Both values are given in the message.

System action:

User response: Check the log file for problems that may result from the change of parameter values. If so, you may want to change the profile, restoring parameter *profile parameter keyword* to the value it had when creating the backup in order to perform a specific operation.

FMM8344E **Path** *path* **is listed more than once for partitioning.**

Explanation: This is a DB2 – TSM interface problem.

System action:

User response: Contact your IBM support personnel.

FMM8345E **Error while parsing parameter** *keyword***. '***path***' is required to be** *type_information***.**

Explanation: A path of the type indicated in the message is expected as a value of the named parameter. However, the specified path was not found to be of the correct type.

System action:

User response: Correct the profile or the call as appropriate.

FMM8349I **Deleting incomplete backup** *backup_id* **–** *backup_key***.**

Explanation: After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the incomplete backup listed is removed. A backup becomes incomplete when parts of its data expire. This can happen when a backup that is marked 'destructively restorable' is restored.

System action:

User response: None.

FMM8350E **Parameter** *parameter* **requires 'NO', 'TSM', or 'DP4SAP'.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

FMM8351E **Parameter** *parameter* **requires 'AUTO' or a decimal value.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

FMM8352E **Parameter** *parameter* **requires a decimal value.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

FMM8353E **Parameter** *parameter* **requires a value greater than '0'.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

FMM8354E **Parameter** *parameter* **requires 'NO' or 'YES'.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

FMM8355E **Parameter** *parameter* **requires 'ALL' or a comma separated list of decimal values.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the profile keyword DBPARTITIONNUM and make appropriate adjustments.

FMM8356E *product_name***: interface problem in function** *function***: Invalid call sequence; the library was not initialized.**

Explanation: An invalid internal call sequence was detected during execution of a dedicated function.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM8357E *product_name***: interface problem in function** *function***: Invalid call sequence; the operation was not initialized.**

Explanation: An invalid internal call sequence was detected during execution of a dedicated function.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM8358E **Parameter** *name* **requires 'ONLINE' or 'OFFLINE'.**

Explanation: The parameter *name* only accepts the values ONLINE or OFFLINE.

System action: Processing stops.

User response: Correct the value for the parameter specified in the profile.

FMM8359E The profile parameter *parameter* has the wrong value '*value profile*'. The expected value is '*value expected*'.

Explanation: A profile parameter (or keyword) has a wrong value assigned. An alternate value is expected.

System action:

User response: Check the named TSM for ERP profile keyword and make appropriate adjustments.

FMM8360E Invalid *keyword* specified in the profile.

Explanation: The value specified for a keyword is either wrong or is missing.

System action:

User response: Check the named TSM for ERP profile keyword and make appropriate adjustments.

FMM8361E Found files on the file systems to backup for which backup was not explicitly requested. Please provide a negative list or clean your file systems.

Explanation: Although the previously mentioned files were not requested to be part of the backup, they will be copied because they reside on a file system that will be backed up in its entirety. In order to allow backing up those files, they need to be added to a 'negative list' or the checking for such files needs to be disabled. Note that in case of a restore, these files would typically be restored, even if this was not desired.

System action:

User response: Edit the 'CLIENT' section of the profile. You can either set the parameter 'NEGATIVE_LIST' to 'NO_CHECK', to allow IBM Tivoli Storage FlashCopy Manager to back up any file stored in a file system that will be backed up, or you can set the parameter 'NEGATIVE_LIST' to point to a file (the 'negative list') that contains a list of all files and directories that are allowed to be processed during backup. Any directory you add to the 'negative list' is processed recursively. Note that there is only one 'negative list' for backup and restore. See FMM6969E for restore.

FMM8362E The trace parameters YES, NO, ON, and OFF cannot be set in conjunction with other trace parameters.

Explanation: The values YES, NO, ON and OFF in conjunction with the TRACE keyword do not allow further trace flags to be set. They are mutually exclusive.

System action:

User response: Check the TSM for ERP profile keyword TRACE and make appropriate adjustments.

FMM8363E The value *value* is not a valid trace flag.

Explanation: The value specified for the TRACE keyword is invalid.

System action:

User response: Check the TSM for ERP profile keyword TRACE and make appropriate adjustments.

FMM8364E Error while parsing parameter CONFIG_FILE. Directory '*directory*' for node '*node*' does not exist.

Explanation: The base directory containing the TSM for ERP configuration file(s) for any participating DB2 partition does not exist or cannot be accessed.

System action:

User response: Ensure that the directory denoting the base part of the CONFIG_FILE value (left part of the %DB2NODE substring) exists and has the right permissions.

FMM8365E The server stanza for LOG_SERVER '*server*' is missing.

Explanation: A TSM server stanza used by the LOG_SERVER keyword is missing either in the option file (dsm.opt) or in the system options file (dsm.sys).

System action:

User response: Either the value of the LOG_SERVER keyword in the TSM for ERP profile has to be adjusted or an entry must be made or adjusted in the appropriate option file.

FMM8366E The values for parameter *parameter* are expected to be in the range 0 to 6.

Explanation: The values of the keyword USE_AT have to be in the range of 0 to 6.

System action:

User response: Check the TSM for ERP profile keyword USE_AT and make appropriate adjustments.

FMM8367E You cannot freeze the filesystem without suspending or shutting down the database.

Explanation: Check the TSM for ERP profile keyword USE_AT and make appropriate adjustments.

System action:

User response: Ensure either to suspend the database or to bring the database offline and try to freeze the filesystem again.

FMM8368E An invalid argument is specified for keyword *keyword*.

Explanation: The specified argument could not be converted into an equivalent integer value.

System action:

User response: Check the keyword argument and try again. If the problem cannot be resolved contact your IBM support personnel.

FMM8369E Failed to execute *program*. Reason: *reason*.

Explanation: The execution of *program* failed.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM8370E The profile option TARGET_DATABASE_SUSPEND= OFFLINE is not allowed for an online database backup.

Explanation: A snapshot backup of a database that was not suspended can only be done in offline mode.

System action:

User response: Start the BRBACKUP utility with the option '–t offline -d util_vol' and try again.

FMM8371E The profile parameter NEGATIVE_LIST is not allowed. Use BR–TOOLS option "–n" to specify the negative list.

Explanation: The negative list value has to be specified in the init<SID>.sap profile via the option 'util_vol_nlist = (*nfile_name1*, *nfile_name2*, ...) | no_check'.

System action:

User response: Adjust the init<SID>.sap profile accordingly and try again.

FMM8372E The profile option TARGET_DATABASE_SUSPEND=YES requires a backup of type volume_online. To solve this problem either the profile parameter TARGET_DATABASE_SUSPEND can be set to OFFLINE or NO or the brbackup backup device type should be set to util_vol_online. Keep in mind, when you set the profile parameter TARGET_DATABASE_SUSPEND to NO, the snapshot backup will be mounted on a backup system to verify its consistency. Make sure that a backup system is configured in that case.

Explanation: A snapshot backup of a database that was suspended can only be done in online mode.

System action:

User response: Start the BRBACKUP utility with the option '–t online -d util_vol' and try again.

FMM8373W The operation will execute the force option (–F).

Explanation: Start the BRBACKUP utility with the option '–t online -d util_vol' and try again.

System action:

User response: None.

FMM8374W Operation will terminiate with error, because backint was executed with verify option (–V).

Explanation: The verify option simulates the requested option and does not create a valid backup or restore. In order to prevent the calling process from regarding the current operation as successful, the verify option will always yield a nonzero return code.

System action:

User response: Do not use the verify option if you want to create a backup or restore.

FMM8375E The value of the environment variable ORACLE_SID is not allowed to have more than *number* digits.

Explanation: The length of the ORACLE_SID value violates the defined range.

System action:

User response: Check the current value of ORACLE_SID and if necessary, correct it according to the allowed length. Try again.

FMM8376E Verification of snapshot failed. Reason: *reason*

Explanation: The snapshot backup could not be verified successfully.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM8377E Function *function* does not support multiple backup ids within a single operation.

Explanation: TSM for ACS was requested to perform a volume *function* operation simultaneously for a set of objects that were backed up with multiple volume

backup requests. This is currently not supported.

System action:

User response: Use backups stored on the TSM server to perform redirected restores or adjust the restore command.

FMM8378E Redirected restore of volume backups is not supported yet.

Explanation: TSM for ACS does not support restores to an alternate data location. The restore always needs to be made to the original data location.

System action:

User response: Use backups stored on the TSM server to perform redirected restores.

FMM8379E Infile contains an invalid value: '*value*'

Explanation: Each record of the infile has to start either with the string '#NULL' or with the backup Id.

System action:

User response: Ensure each record of the infile satisfies the requirements. If the problem cannot be resolved contact your IBM support personnel.

FMM8380E The profile option TSM_BACKUP=YES requires a snapshot backup of all partitions of the database.

Explanation: The profile option TSM_BACKUP=YES implies offloading a snapshot backup to TSM. If this option is specified, all database partitions have to be part of the snapshot backup.

System action:

User response: Specify the 'ALL DBPARTITIONNUMS' clause as part of the DB2 backup command and try again.

FMM8381W The following error occured while verifying the configuration for server '*server_name*' in the profile:

Explanation: The profile section for server *server_name* is not correct. The actual error is following this message.

System action:

User response: Adjust the profile and correct the error following this message.

FMM8382E The previous error(s) can be prevented by executing restore with negative list set to 'no_check'.

Explanation: An error occurred while inspecting file systems for files that should be excluded during the backup/restore operation. This error precedes the current message. Note that the file system inspection can be turned off by setting the parameter 'NEGATIVE_LIST' to 'NO_CHECK'.

System action:

User response: Resolve the root cause for this problem (previous error) or change the value of the parameter 'NEGATIVE_LIST' to 'NO_CHECK'. Depending on the application type, this can be accomplished by • (for DB2 and native Oracle) editing the TSM ACS profile and set the parameter 'NEGATIVE_LIST' to 'no_check' • (for SAP(R) for Oracle) editing the BR*Tools profile *.sap and set the parameter 'util_vol_nlist' to 'no_check' Note that changing 'NEGATIVE_LIST' to 'NO_CHECK' implies that TSM for ACS would potentially backup all files residing on the requested file systems. This true even if they were not explicitly requested and resided on the requested file systems, and even if they were not explicitly requested during the backup. At restore time all of these objects would typically be restored.

FMM8383E BR–Tools are required to set the environment variable BI_RUN for volume backups.

Explanation: This is a unique ID from a BR*Tools run (normally it is the name of the BR*Tools log). If this variable is set then BACKINT recognizes that a call from BR*Tools 7.10 or higher was triggered.

System action:

User response: Ensure that BR*Tools 7.10 or later is used and rerun the operation.

FMM8384E Failed to determine the APPLICATION_TYPE of the profile. Please invoke wizard with option –m <application type>.

Explanation: 'acsd –f wizard' was invoked to modify an existing profile, and the APPLICATION_TYPE could not be identified by inspecting this profile. This is required in order to properly adjust the profile.

System action:

User response: Provide the application type when invoking the wizard with options 'acsd –f wizard –m <application type>'. The preferred method, however, is to call the setup script without options.

FMM8385E In order to create a new profile the wizard needs to be invoked with option –m <application type>.

Explanation: 'acsd –f wizard' was invoked to create a new profile. In this case it is required to specify the application type with option –m.

System action:

User response: Provide the application type when invoking the wizard by using the options 'acsd –f wizard –m <application type>'. Alternatively, you can use the database–specific version of the setup script (setup_<database>.sh) to create a new profile and configure TSM for ACS.

FMM8386E Parameter *parameter name* requires a decimal value of 0 or greater.

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

FMM8387W Found additional files on the file systems to backup: '*filename*'

Explanation: Although the previously mentioned files were not requested to be part of the backup, they will be copied because they reside on a file system that will be backed up in its entirety.

System action:

User response: Edit the 'CLIENT' section of the profile. You can either set the parameter 'NEGATIVE_LIST' to 'NO_CHECK', to allow TSM for ACS to back up any file stored in a file system that will be backed up, or you can set the parameter 'NEGATIVE_LIST' to point to a file (the 'negative list') that contains a list of all files and directories that are allowed to be processed during backup. Any directory you add to the 'negative list' is processed recursively. Note that there is only one 'negative list' for backup and restore. See FMM6969E for restore.

FMM8388W Additional files to restore were discovered on the file systems: '*file list*'

Explanation: A FlashCopy restore operation is performed with the profile parameter NEGATIVE_LIST set to WARN. This operation replaces complete file systems with the content of the file systems at the time of backup. Each file that currently resides on the file systems to be restored (but were not part of the original backup) will be listed.

System action: Processing continues.

User response: None.

FMM8389W The following volume groups / file systems are currently not accessible: *volumegroups/filesystems*

Explanation: The listed volume groups or file systems are not accessible. TSM ACS tries to verify that only database files reside in the volume groups or file systems that will be restored. But it was encountered that it was not possible to access the file systems (in the volume groups) to verify the database files because the file systems are not mounted or the volume groups are not imported, or both. This warning message is followed by message FMM9390E which gives more information.

System action:

User response: This is just a warning message. Follow the instructions of the user response of FMM8390E.

FMM8390E Failed to validate that only database files will be overwritten during restore, because some of the database filesystems are currently not accessible. Please import volume groups and/or mount all filesystems and restart the restore. If you cannot mount the filesystems as a consequence of a disaster or a failing previous restore operation, this error can be prevented by executing restore with negative list set to 'no_check'.

Explanation: TSM ACS tries to verify that only database files reside in the volume groups / file systems that will be restored. But it was encountered that it was not possible to access the file systems (in the volume groups) to verify the database files because the file systems are not mounted and/or the volume groups are not imported.

System action:

User response: There are two options to solve this problem: 1. Import all volume groups and mount all file systems that contain database files. 2. If the first option is not possible as a consequence of a disaster or a failing previous restore operation, the negative list check cannot be performed at all and must be switched to 'no_check'. Depending on the application type, this can be accomplished by • (for DB2 and native Oracle) editing the TSM ACS profile and set the parameter 'NEGATIVE_LIST' to 'no_check' • (for SAP(R) for Oracle) editing the BR*Tools profile *.sap and set the parameter 'util_vol_nlist' to 'no_check' Note that changing NEGATIVE_LIST to NO_CHECK implies that TSM for ACS would potentially backup all files residing on the requested file systems. This true even if they were not explicitly requested and resided on the requested file systems, and even if they were not explicitly requested during the backup. At restore time all of these objects would typically be restored.

FMM8391E '*bytes_requested*' bytes were requested to be read from the file '*filename*' but only '*bytes_read*' bytes could be read.

Explanation: The specified number of bytes requested to be read from the specified filename could not be read.

System action: Processing ends.

User response: Check if the file size is smaller than the number of requestd bytes.

FMM8392E **An error occured while restoring the file '***filename***'**

Explanation: The restore operation failed for the identified file. The restore process continues with the other files.

System action: Processing continues.

User response: A restore failure occurs for different reasons. Please check for previous error messages that provide more information about the reason.

FMM8393E **The keyword TARGET_SET requires a target set name as argument.**

Explanation: The keyword TARGET_SET specified within the target set definition file needs to be followed by an argument defining the unique name of the target set.

System action: Please have a look into your target set file (.fct) and correct the entry accordingly.

User response:

FMM8394E **Error while parsing TARGET_SET** *target set name***: Illegal number of arguments.**

Explanation: The keyword TARGET_SET specified within the target set definition file needs to be followed by exactly one argument defining the unique name of the target set. No additional arguments are allowed.

System action:

User response: Please have a look into your target set file (.fct) and correct the entry accordingly.

FMM8395E **Error while parsing TARGET_SET** *target set name* **in volumes file: A multi partition backup requires the use of the keyword PARTITION in the target set section.**

Explanation: On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections to determine for which partition this target volume(s) apply.

System action:

User response: Modify your target set definition file accordingly. Example: >>> TARGET_SET SET_1 >>> PARTITION NODE0000 TARGET_VOLUME 40913158 - - TARGET_VOLUME 40A13158 - - <<< >>> PARTITION NODE0001 TARGET_VOLUME 40B13158 - - TARGET_VOLUME 50913158 - - <<< <<<

FMM8396E **Error while parsing TARGET_SET** *target set name* **in volumes file: It is not allowed to specify a portion of a target set without keyword PARTITION, if this keyword is used for other portitions in the same target set definition.**

Explanation: On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections to determine for which partition this target volume(s) apply. As soon as embedded PARTITION subsections are used this means that ALL TARGET_VOLUME entries need to be enclosed in PARTITION subsections.

System action:

User response: Correct your target set definition file accordingly.

FMM8397E **Error while parsing TARGET_SET** *target set name* **in volumes file: the parameter PARTITION requires exactly one parameter.**

Explanation: On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections. The keyword 'PARTITION' needs to be followed by the unique name of the partition.

System action:

User response: Check whether all PARTITION subsections within your target set definition file have a unqiue partition name and correct the entries if necessary.

FMM8398E **Error while parsing statement '***parameter name***' in profile. The statement '***from or to***' is required to be in the form hh:mm.**

Explanation: The optional conditions 'FROM' and 'TO' of the profile parameter '*parameter name*' need to be followed by a time in the format 'hh:mm'.

System action:

User response: Please check your profile and correct the times accordingly.

FMM8399E **The mode** *mode* **of parameter** *parameter* **is only supported for** *device_type* **.**

Explanation: The requested mode *mode* is only supported for *device_type*.

System action:

User response: Choose a supported mode..

FMM8400E Error while parsing statement '*device class*' in profile. The statement *partition number* is required to be a number.

Explanation: The optional condition 'ON_PARTITIONN' of the profile parameter 'DEVICE_CLASS' needs to be followed by an integer number.

System action:

User response: Please check your profile and correct the 'ON_PARTITIONN' entries accordingly.

FMM8401E DEVICE_CLASS *device class* was encountered multiple times within a single DEVICE_CLASS statement.

Explanation: The parameter 'DEVICE_CLASS' of the 'CLIENT' section allows to enlist multiple device classes which are then applied in a round robin process. However, each enlisted device class must not occur multiple times within the same enumeration.

System action:

User response: Please check your profile and correct the 'DEVICE_CLASS' entries accordingly.

FMM8402E No DEVICE_CLASS found that can be used for the current operation.

Explanation: The application of a 'DEVICE_CLASS' entry within the 'CLIENT' section of the profile can be restricted by a number of optional conditions, e.g. by time frame of DB2 partition number. If this error occurs none of the DEVICE_CLASS entries within the profile matches the conditions currently given (current time, given partition, given weekday).

System action:

User response: Check the conditions specified for the 'DEVICE_CLASS' entries within your profile. It needs to be ensured that exactly one entry matches any imaginable condition at any time.

FMM8403E The keyword *keyword* was found multiple times without qualifier *qualifier*.

Explanation: If the parameter *keyword* is specified without additional qualifiers it is representing the global default. This global default can be defined only once. All other entries of parameter *keyword* need to be restricted by additional conditions.

System action:

User response: Please check your profile. The parameter *keyword* must not occur multiple times without additional conditions.

FMM8404E The following statement contains incompatible options *statement*.

Explanation: The parameter *statement* within the 'CLIENT' section of the profile is followed by additional options which are contradictory to each other.

System action:

User response: Please check the parameter *statement* within your profile. For example, it is not possible to combine the options 'MANDATE' and 'TSM_ONLY'.

FMM8405E The following statement is missing mandatory options *statement*.

Explanation: The parameter *statement* within the 'CLIENT' section of the profile must be followed by an option defining the mode of how offline backups are handled.

System action:

User response: Please check the parameter *statement* within your profile. It needs to include either 'NO', 'YES', 'MANDATE', or 'TSM_ONLY' as an option.

FMM8406E There are two *object type* associated with partition *partition name*.

Explanation: The profile associates the same partition with multiple objects of *object type*. The name of the partition and of the *object type* are identified in this message.

System action: The operation fails.

User response: Update the profile so that each partition is listed as a member of only one object of *object type*.

FMM8407E An illegal partition number has been specified for *parameter candidate name*.

Explanation: The parameter *parameter* expects integer partition numbers as argument.

System action:

User response: Please check the parameter *parameter* within your profile and correct it accordingly.

FMM8408E The parameter *parameter* is not allowed as a name for a target set.

Explanation: One possible distinctness of the parameter 'TARGET_SET' is to specify target set definitions via a naming convention instead of a target set definition file (for SVC only). The argument *parameter* does not meet these naming conventions.

System action:

User response: Please check the arguments of the

parameter 'TARGET_SET' within your profile and correct them accordingly.

FMM8409E The parameter TARGET_NAMING is required to contain the wildcards *source* **and** *targetset***.**

Explanation: The parameter 'TARGET_NAMING' needs to follow particular conventions including the wildcards *source* and *targetset* to be valid.

System action:

User response: Please check the arguments of the parameter 'TARGET_NAMING' within your profile and correct them accordingly.

FMM8410I Invoking suspend script *suspend script***.**

Explanation: The suspend script has been invoked. This script suspends the application immediately before the actual FlashCopy process is initiated.

System action:

User response: Watch for additional messages regarding the success of the suspend operation.

FMM8411I Script returned with return code *return code*

Explanation: A suspend or resume operation failed and issued the corresponding error code.

System action:

User response: Please check for more information in the output that preceeds this message.

FMM8412I Start resume script *resume script***.**

Explanation: The resume process has started. Applications which have been suspended immediately before the actual FlashCopy operation are resumed after this process completes.

System action: Watch for additional messages regarding the success of the resume operation.

User response:

FMM8413I Continue script *script* **to resume.**

Explanation: The identified script is resuming the operation.

System action:

User response: Watch for successive messages informing about the success of the resume operation.

FMM8414E Error while parsing profile *profile***: Delimiter '***delimiter***' missing.**

Explanation: A syntax error has been detected within you profile.

System action:

User response: Please check the syntax and format of your profile.

FMM8415E A size has been specified for the file '*file***' in the infile, but the requested file is not a raw device.**

Explanation: A size was specified (in the infile) for the stated file. However, the file does not refer to a raw device. A size specification is allowed for raw devices only.

System action:

User response: Verify that the correct entries are specified in the infile.

FMM8416E The specified backup ID '*backup id***' must have 16 characters.**

Explanation: The backup ID is expected to be exactly 16 characters.

System action:

User response: Verify the given backup ID. If it contains 16 characters, make sure that it does not contain any special characters.

FMM8417E File '*file***' has not been found in any backup.**

Explanation: No backup version of the file to be restored is available.

System action: Processing continues to restore other requested files that are available.

User response: If you have provided the names of the files please check for wrong names in the input. If the restore was started by SAP BR*Tools the version of this file might have been deleted on the Tivoli Storage Manager server.

FMM8418E The backup ID '*backup id***' has not been found.**

Explanation: The backup ID was not found in the backup repository. As a result, the requested backup cannot be restored.

System action: Processing stops.

User response: If you have provided backup ID please check for wrong entries in the input. If the restore was started by SAP BR*Tools this backup might have been deleted on the Tivoli Storage Manager server.

FMM8419E File '*file*' was not found in the backup identified with backup ID '*backup id*'

Explanation: The specified file was not found in the backup and was removed from the list of files to be restored.

System action:

User response: None.

FMM8420E Full file-based backups into the repository are not allowed when 'ALLOW_FULL_FILE_BACKUP' is set to 'NO'.

Explanation: If you want to use '*FlashcopyManager*' to perform a backup with options util_file or util_file_online, set the option *ALLOW_FULL_FILE_BACKUP* to *YES* in the profile.

System action:

User response: Correct the setting for the parameter within your profile. You can also change backup options.

FMM8421I Modifying existing profile '*profile file*' for application '*application type*' ...

Explanation: An existing profile was found by the profile wizard and will be modified during subsequent configuration actions.

System action:

User response: None.

FMM8422I Creating new profile '*profile file*' for application '*application type*' ...

Explanation: No existing profile was found. The profile wizard will create a new profile.

System action:

User response: None.

FMM8424E Operation not allowed for this parameter.

Explanation: An invalid value was entered for the current parameter.

System action:

User response: Enter a valid value for this parameter. View help for a parameter by entering a question mark ("?").

FMM8426I Saving profile '*profile*' ...

Explanation: The profile wizard writes the profile to the file system.

System action:

User response: None.

FMM8428W No help available for this parameter

Explanation: No help information is available for the current parameter.

System action:

User response: Check the product documentation for help information about this parameter.

FMM8431E Application Type '*application type*' is not a valid type.

Explanation: An invalid application type was specified in the profile wizard command.

System action:

User response: Issue the command again using a valid application type. Supported application types are DB2, SAP, ORACLE, SAP_ORACLE, GENERIC, and VMWARE.

FMM8432E Invalid function: *function invalid* **(supported:** *function supported***)**

Explanation: The function specified for the profile wizard -f option is invalid.

System action:

User response: Issue the command again and specify a valid function. The only supported function is "password".

FMM8433E Wrong system mode: *system mode* **(supported: PS | BS | PSBS)**

Explanation: The system mode specified in the profile wizard is invalid. These three system modes are supported: PS - the wizard creates a profile for the Production System BS - the wizard creates a profile for the Backup System PSBS - the wizard creates profiles for both the Production and the Backup System

System action:

User response: Issue the command again and specify a valid system mode. Supported system modes are PS, BS, PSBS.

FMM8435W Annotation file '*file*' could not be loaded.

Explanation: The annotation file is required by the profile wizard for displaying more expressive prompts and online help. However, if this file is missing the wizard is still operational.

System action:

User response: The annotation file is integral part of the product. If it is missing this means your product installation is corrupt. Please perform a reinstallation. If the warning message still occures please contact your support line.

FMM8436W Problems occured on final validation of profile. Incorrect parameters have been marked in the written profile. Please check.

Explanation: Profile parameters for that a user-defined value is obligatory have been skipped without specifying a value.

System action:

User response: Please rerun the profile wizard for the given profile and ensure you specify a valid value for each parameter marked with *input mandatory*.

FMM8437I Verifying password...

Explanation: After a password has been entered the wizard is verifying it by performing a test connection to the according entity.

System action:

User response: Wait for outcome of the verification. If the verification is successfull the wizard proceeds with the next password or writes the password files. If the verification fails the user is asked whether he wants to retry or ignore the issue.

FMM8439E Could not read password filename from profile '*profile*'. File does not exist. (Check options -p, -b)

Explanation: If the filename for the password file is not explicitly specified by the option '-b' the wizard tries to read this information from the profile. The profile being consulted is either the default profile 'profile' or the profile specified by option '-p'. If this error occurs there is either no default profile available or the profile specified by option '-p' does not exist.

System action:

User response: Check options '-p' and '-b'.

FMM8440E '*number of disks*' disks have been found for datastore '*datastore name*'. Only one disk per datastore is supported for the following environments: IBM DS8000 IBM NSeries NetApp.

Explanation: The specified datastore cannot be backed up by IBM Tivoli Storage FlashCopy Manager because of environmental limitations. See error message for more detail.

System action: Processing ends.

User response: Reduce the number of disks of the datastores to include in the backup to one or use consistency groups in case the IBM XIV® storage system is used.

FMM8441E Please specify either only backup id's or only backup id's with files.

Explanation: You specified some backup id's with files and some backup id's without files.

System action:

User response: Please specify either only backup id's or only backup id's with files.

FMM8445E Invalid cloning mode: *cloning mode invalid* **(supported: cloning_only | backup_cloning)**

Explanation: The given cloning mode is invalid. These two cloning modes are supported: cloning_only - for pure cloning configurations backup_cloning - for configuring a database instance for cloning and backup/restore

System action:

User response: Issue the command again and specify a valid cloning mode.

FMM8446E The restore operation requires the command line option -P <Partition group> to be specified.

Explanation: For restore operations in DB2 DPF environments where the profile parameter PARTITION_GROUP is used, it is required to specify the command line option -P <Partition group> on the restore command.

System action:

User response: Issue the command again and specify a valid partition group.

FMM8448E Another device class already exists under the given name '*name*'. Please specify another name.

Explanation: DEVICE_CLASS sections must be named unique. The specified name is already in use for another device class.

System action:

User response: Choose another device class name which is not already in use by another device class section.

FMM8450E The entry in InFile is not a valid file or directory: '*entry*'.

Explanation: The files or directories specified in the InFile have to exist prior the backup operation is started.

System action: Processing ends.

User response: Verify the reported invalid entry in the InFile and revise the entry accordingly.

FMM8464W The specified host name or IP address '*host*' cannot be associated with a local network interface on this system.

Explanation: The attempt to establish a listening TCP/IP server socket failed for the given host/port combination. The provided host name or address is expected to resolve to a local network interface.

System action:

User response: An attempt to bind a TCP/IP server socket to the specified host on the specified port (or the default port if the port is not specified) was not successful. This test is successfully only when the specified host or IP address corresponds to a local network interface.

FMM8465E The value *value* for parameter *parameter* is out of valid range (*min* - *max*).

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

FMM8503E No ESX host that can be used for instant restore was found.

Explanation: No ESX host can be found. An ESX host is needed to add data stores and to register virtual machines as part of the instant restore operation.

System action: Processing ends.

User response: Add an ESX host to your virtual environment.

FMM8504E The '*datastore name*' data store cannot be mounted on the following ESX hosts: '*ESX host list*'. There are no other ESX hosts to try.

Explanation: The specified data store cannot be attached to any of the listed ESX hosts. The processing cannot continue.

System action: Processing ends.

User response: Configure your storage and network so that the specified data store can be mounted on one of the specified ESX hosts.

FMM8505E The '*data store name*' data store is mounted on the following disconnected ESX hosts: '*ESX host list*'. The data store cannot be unmounted when these ESX hosts are in the disconnected state.

Explanation: The specified data stores are mounted at the specified ESX hosts. These ESX hosts are disconnected. Therefore the data stores cannot be unmounted and the instant restore operation cannot proceed.

System action: Processing ends.

User response: Remove the specified ESX hosts completely from your vSphere environment or reconnect them.

FMM8506E The configured storage device cannot be used in a VMware NAS environments.

Explanation: The configured storage device cannot be used in a VMware network-attached storage (NAS) environment.

System action: Processing ends.

User response: Check the IBM Tivoli Storage FlashCopy Manager requirements to ensure that you use a supported storage device.

FMM8507W The original data store cluster cannot be found: '*datastore cluster name*'. The data store '*datastore name*' is restored to the root directory of data center '*data center name*'.

Explanation: The named data store cannot be associated to the specified data store cluster. The data store cluster that it was associated to during the backup process is not available at restore time. In the intervening time between backup and restore, the data store cluster was deleted, renamed, or moved.

System action: Processing continues.

User response: After the restore process is completed, the data store can be reassigned to the appropriate data store cluster.

FMM8511I The command is: *command name*

Explanation: This is an information message echoing the command.

System action:

User response: None.

FMM8512I Return code is: *return code*

Explanation: This message shows the return code of the Backup Object Manager. Valid return codes: 0 The requested action was performed successfully. 1 The requested action was performed successfully; however, some warnings were issued. 2 or greater The requested action could not be performed due to errors. In this case, an error message should be logged, too.

System action:

User response: None if the return code is 0. If the return code is greater than 0, analyze the error and/or warning messages. Resolve errors before starting the action again.

FMM8513W 'TDP_DIR' is not set. The temporary path will be used.

Explanation: The environment variable 'TDP_DIR' is not set and therefore, the log will be written to the system's temporary path instead.

System action:

User response: Set the 'TDP_DIR' environment variable.

FMM8514W 'TDP_DIR' is not set correctly. The temporary path will be used.

Explanation: The variable TDP_DIR is set but contains an invalid path. All run logs will be written to the machines temporary directory instead.

System action:

User response: Check and reset the environment variable TDP_DIR.

FMM8515W Volume *volume group* **is shared across partitions. This might result in severe restrictions during the restore operation. Consult the manual for details.**

Explanation: The specified volume group contains data from multiple partitions. As a consequence, individual database partitions cannot be restored. For DB2, this means that you cannot use the native DB2 restore and recovery commands. Instead, you must restore your database using 'tsm4acs -f restore'.

System action: The operation continues.

User response: No action is required for backup operations. Restore operations need to be performed using 'tsm4acs -f restore' instead of using the native interface commands.

FMM8516E The restore operation terminated because more objects than requested would have been restored.

Explanation: Multiple partitions were residing on the same volume group at backup time. A restore can only be performed with 'tsm4acs -f restore'. Also, a partition group must be specified with this command.

System action: The operation terminates.

User response: Run the restore operation again using 'tsm4acs -f restore -P <partition group>'.

FMM8517E Function '*name***' cannot operate on multiple partitions simultaneously. Run the operation again with a single partition.**

Explanation: The operation started so that multiple database partitions were used (for example tsm4acs was started with option '-P <partition group> and the specified partition group was representing multiple database partitions). This is not supported for the specified function.

System action: Operation will fail.

User response: Run the operation again so that it uses only one database partition.

FMM8518E Unable to stop db2.

Explanation: A restore was started while the database was still up and running.

System action: Operation will fail.

User response: Stop the database and restart the restore operation.

FMM8519E Unsupported database / application type.

Explanation: The requested operation was implemented on an application that does not support this operation.

System action: Operation will fail.

User response: Consult the user manual on how to perform the operation you requested.

FMM8520E No command was specified.

Explanation: backom was called without a command line.

System action:

User response: Check the command syntax and correct the call.

FMM8521E Command option '*command option*' requires an argument.

Explanation: A command option requiring an argument was specified without an argument.

System action: Check the command syntax and correct the call.

User response:

FMM8522E Invalid command '*command*'.

Explanation: backom was called with an invalid command.

System action:

User response: Check the command syntax and correct the call.

FMM8523E Error during *action*.

Explanation: An error occurred while performing the named action.

System action:

User response: Look for other error messages in order to analyze the problem.

FMM8524E An online restore of the Tablespace is not allowed.

Explanation: Either the database setup or the kind of backup prevents an online table space backup.

System action:

User response: If you need to do a table space restore it must be done offline.

FMM8525E The DB2 instance name can consist of at most *characters* characters.

Explanation: The name given for the DB2 instance does not comply with the DB2 naming conventions.

System action:

User response: Correct the DB2 instance name.

FMM8526E The DB2 database alias can consist of at most *characters* characters.

Explanation: The name given for the DB2 alias does not comply with the DB2 naming conventions.

System action:

User response: Correct the DB2 alias name.

FMM8527E Invalid node. Specify it in the format *node format*.

Explanation: The name given for the DB2 node does not comply with the DB2 naming conventions. Node numbers must be specified in the displayed format, for example 'NODE0000' or '0000'.

System action:

User response: Correct the DB2 node number.

FMM8528E Invalid timestamp. Specify the format as 'yyyymmddhhmmss', wildcards '*' or '?' are permitted.

Explanation: Specify digits in the format 'yyyymmddhhmmss' or mixed with wildcards '*' or '?'. where: • yyyy is the year, specified as four digits, • mm is the month, specified as two digits, with leading zero for the months January to September, • dd is the day of the month, specified as two digits, with leading zero for days 1 to 9, • hh is the hour of the day, 00 to 23, with leading zero for hours 0 to 9, • mm is the minutes of the hour, 00 to 59, with leading zero for minutes 0 to 9, • ss is the second of the minute, 00, to 59, with leading zero for seconds 0 to 9. Any digits can be replaced by wildcards '*' or '?', where • * means any number of any digits, • ? means exactly one digit of any value.

System action:

User response: Correct the timestamp.

FMM8529E Invalid log sequence number. Specify it in the format *log sequence format*.

Explanation: The information on the log sequence number(s) does not comply with the expected format. Accepted log sequence numbers are for example '123' or 'S0000123.LOG'.

System action:

User response: Correct the log sequence number(s).

FMM8530E Profile '*file name*' does not exist or cannot be accessed.

Explanation: Either an existing file could not be opened, or a file could not be created.

System action:

User response: Check the attributes of the file and/or its directory. For backup processing, read access is required for the files to be backed up. For restore processing, write access is required for the target location of the files to be restored.

FMM8531E Directory '*file path*' does not exist or cannot be accessed.

Explanation: A file path cannot be accessed.

System action:

User response: Check the attributes of the file and/or its directory. For backup processing, read access is required for the files to be backed up. For restore processing, write access is required for the target location of the files to be restored.

FMM8532E Invalid log chain number. Specify it in the format *log chain format***.**

Explanation: The information on the log chain number(s) does not comply with the expected format. Accepted log chain number(s) are for example '123' or 'C0000123'.*file path* .

System action:

User response: Correct the log chain number(s).

FMM8533E A timestamp range is not allowed for command '*command*'.

Explanation: A timestamp range is not allowed for command restore database, restore tablespace, restore tablespace online and restore DB2 history file. Only a single timestamp argument can be used.

System action:

User response: Correct the timestamp command option.

FMM8534E Command option '*command option*' is missing.

Explanation: A command was issued without specifying a required command option.

System action: Check the command syntax and correct the call.

User response: Check the command syntax and correct the call.

FMM8535E Invalid output mode. Specify one of the keywords *keyword list***.**

Explanation: Only the listed keyword values are allowed with the output mode command option –m.

System action:

User response: Correct the output mode command option.

FMM8536E Wildcard characters are not allowed for command '*command*'.

Explanation: For the BackOM commands 'restore database', 'restore tablespace', 'restore tablespace online' and 'restore DB2 history file' it's not allowed to specify the wildcard characters '*' and '?' in a timestamp command option.

System action:

User response: Correct the timestamp command option.

FMM8537E The path '*path*' is not absolute.

Explanation: A command line argument requires a fully qualified path which was not given.

System action:

User response: Specify the fully qualified path.

FMM8538E The Tablespace Definition Information '*file name*' cannot be processed.

Explanation: The TDI file could not be parsed because of errors. There are more specific parser error messages before this message occurs.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8539E The parameter PARTITION_GROUP is not allowed in the client section for non-SAP environments. The DB2_WORKLOAD parameter must specify SAP.

Explanation: The parameter PARTITION_GROUP was specified in the client section of the profile, but the application is not a DB2 system running SAP.

System action: Operation will fail.

User response: You cannot use the parameter PARTITION_GROUP in your environment. All database partitions must reside on dedicated volume groups.

FMM8540I Using *component_name* **at** *host name*:*port*

Explanation: The *component_name* service named is used for the current action.

System action:

User response: None.

FMM8541I Using profile '*profile path*'.

Explanation: The profile named is used for the current action.

System action:

User response: None.

FMM8542E Profile '*profile path*' cannot be read.

Explanation: The Backup Object Manager tried to use the profile named but the profile was not available or could not be read. The location of the profile is specified via command line as argument to option '–e' or in environment variable 'XINT_PROFILE'.

System action:

User response: Make sure that the profile is available at the location specified in option '–e' on the command line or in environment variable 'XINT_PROFILE'. Check the attributes of the profile and the corresponding directory and make sure that the file can be accessed.

FMM8543I Querying TSM for file(s) '*file list*'.

Explanation: The Backup Object Manager checks if the files listed are available on the TSM server(s) specified in the corresponding profile.

System action:

User response: None.

FMM8544I Application agent is terminating.

Explanation: An operation is entering the cleanup phase and application agents are disconnecting.

System action: No specific system behavior.

User response: None.

FMM8545I No *image type* image(s) found.

Explanation: A request could not be satisfied because the files to be processed are not available on the TSM server.

System action:

User response: Check if the file(s) were specified correctly in the request.

FMM8546E Environment variable '*environment variable*' is not set or not set correctly.

Explanation: A required environment variable is not set at all or has a value that is not allowed.

System action:

User response: Check the documentation for the appropriate values of the environment variable named and set its value accordingly.

FMM8547E Nothing to restore.

Explanation: A restore operation was started but no data was found to restore. This typically occurs when an invalid backup ID is used.

System action: Operation will fail.

User response: Specify another backup to restore.

FMM8548I Elapsed time: *time value*

Explanation: After restore and delete, the time elapsed during the action is displayed.

System action:

User response: None.

FMM8549E Unable to create file '*file name*'.

Explanation: During restore, the file to be restored cannot be created in the target location.

System action:

User response: Check if there is sufficient space available for the file to be restored. Check the attributes of the target directory; write access is required. If the target file already exists, check that write access is granted

FMM8550W Environment variable '*environment variable*' for output mode has wrong value. Using default.

Explanation: The default output mode can be overridden by the named environment variable. Accepted values are "short", "normal", or "detailed". The system default is "short" for actions on DB2 log files, "normal" otherwise.

System action:

User response: Specify an appropriate value for the environment variable named, or remove the environment variable.

FMM8551E Not all data written to '*file path*'.

Explanation: Restoring raw or DB2 log file data ended before all data retrieved from TSM could be written to the file named. The file is incomplete. named.

System action:

User response: Make sure there is sufficient space for the data to be restored.

FMM8552E File '*file path*' could not be closed.

Explanation: After restoring raw or DB2 log file data, the target file could not be closed.

System action:

User response: Retry the action.

FMM8553E The file '*filename*' has not been found. This file is required for the device agent to function. Check your installation.

Explanation: One of the components that is required to be installed with the product is missing.

System action: Operation will fail.

User response: Install the product again.

FMM8554E Unable to create directory for detailed logs: *name of directory*.

Explanation: The specified directory could not be created. Detailed log information for future operations will not be available.

System action: The product continues to operate, but detailed log information will not be written. This reduces the capability to diagnose errors.

User response: Create the specified directory manually and start 'acsd' again.

FMM8555E Variable 'DB2DBDFT' or command option 'alias' is required.

Explanation: The password command needs the name/alias of the database, for which the Data Protection for SAP configuration file has to be adapted.

System action:

User response: Either set the environment variable DB2DBDFT or provide the command option 'alias' with the password command and try again.

FMM8556E Unable to get hostname.

Explanation: The machines hostname could not be determined.

System action:

User response: Check the TCP/IP configuration of the machine.

FMM8557E The config file 'init*file name*.bki' could not be created.

Explanation: Data Protection for SAP tries to create the configuration file named if it is not present at the location specified by the Data Protection for SAP profile keyword CONFIG_FILE. However, the file cannot be created. This may either be caused by an incorrect path specified by keyword CONFIG_FILE, or the user may not have the appropriate permissions for creating the file.

System action:

User response: Make sure the path specified by keyword CONFIG_FILE is correct and the permissions are set appropriately.

FMM8558I Setting TSM password for partition '*partition number*' on host '*host name*'.

Explanation: The Data Protection for SAP TSM password is set on the host named for the DB2 partition indicated.

System action:

User response: None.

FMM8559W For partition '*partition number*' switch to host '*host name*' and issue the command again.

Explanation: When verifying the TSM password, the Data Protection for SAP configuration file is modified. If the Data Protection for SAP profile keyword CONFIG_FILE points to an NFS mounted (UNIX or Linux) or a shared (Windows) path accessible to all hosts in a DB2 ESE (EEE) environment, for example the instance home, all configuration files of the various partitions can be modified simultaneously. If, in contrast, keyword CONFIG_FILE points to a local path, only the configuration files of the local partitions can be modified. In this case, the password verification needs to be done from each host. The message indicates the partitions whose associated configuration files are not accessible. In order to avoid this administrative overhead, it is recommended to place the Data Protection for SAP configuration files in a file system shared by all hosts hosting a partition of the database.

System action:

User response: Make sure to verify the TSM password(s) for all partitions of the database.

FMM8560E Partition '*partition number*' not found in the database configuration.

Explanation: The DB2 partition specified could not be found in the database configuration.

System action:

User response: Check the configuration of the DB2 ESE(EEE) environment (db2nodes.cfg, environment variable DB2NODE) and try again.

FMM8561W Database '*alias*' not listed in the system database directory.

Explanation: The database *alias* does not exist. Because there is a dependency between the alias and the settings for Data Protection for SAP there might be problems during database backup or restore runs. Nevertheless, the Data Protection for SAP configuration file (init*alias*.utl) will be created and adapted.

System action:

User response: Check if the alias specified does match to an entry in the DB2 system database directory. Further, check the argument for the Data Protection for SAP profile keyword CONFIG_FILE and if necessary adapt it appropriately.

FMM8562E **Target '*volume*' is missing in the target set ('*target set name*') that has been specified for restore. Review the error explanation for corrective actions.**

Explanation: Prior to starting a restore, all target volumes that contain backup data are checked to make sure they are still listed in the target set definition file. The target set defintition file is specified in the profile with the VOLUMES_DIR or VOLUMES_FILE parameter. This error might also occur if the backup was performed with the TARGET_NAMING parameter specified.

System action: The operation will fail.

User response: Verify that all target volumes used for the backup have not been used for other purposes. Once you verify that the backup is still valid, set the option RESTORE_FORCE to YES in the appropriate device section and run the operation again. This error is now ignored for this operation. Alternatively you can add the missing target volumes to the target set definition and run the restore operation again. Be aware that corrupt data might be restored if one of the volumes within the target set was used for other purposes.

FMM8563E **The target name '*backup volume*' could not be identified from source name '*source volume*' and target set '*target set*' using the current naming convention. Please review the error explanation for corrective actions.**

Explanation: You are attempting a restore operation with option TARGET_NAMING defined in the profile. Before the restore operation begins, all volumes that contain backup data are checked to make sure they are still defined in the profile. If the naming convention specified with option TARGET_NAMING changed after the backup was created, this checking action fails.

System action: Operation will fail.

User response: Verify that all target volumes used for the backup have not been used for other purposes. Once you verify that the backup is still valid, set the option RESTORE_FORCE to YES in the appropriate device section and run the operation again. This error is now ignored for this operation. Alternatively can update the naming convention specified with option TARGET_NAMING to its original form and run the restore operatin again. Be aware that corrupt data might be restored if one of the volumes within the target set was used for other purposes.

FMM8564E **The backup selected for restore resides on target set '*name*'. Either this target set definition no longer exists in the profile or the manner in which the target sets were specified has changed. Please consult the user manual for corrective actions.**

Explanation: You have chosen to restore a backup which resides on a target set that has been removed from the target set definition prior to this restore operation. This occurs when you reuse the volumes associated with this target set for other purposes or by accidentally changing the target set definition.

System action: The operation will fail

User response: Verify that all target volumes (of the specified target set) used for the backup have not been used for other purposes. Once you verify that the backup is still valid, set the option RESTORE_FORCE to YES in the appropriate device section and run the operation again. This error is now ignored for this operation. Alternatively, you can add the missing target set to your target set definition file (when TARGET_SETS is set to VOLUMES_FILE or VOLUMES_DIR) or you can append the name of this target set to the list of target sets specified with the TARGET_SETS option.

FMM8565E **More than one DEVICE_CLASS statement is eligible for the current operation. This is not allowed.**

Explanation: Multiple DEVICE_CLASS statements are specified in the CLIENT section. This is allowed only if each of those statements is restricted for use with different times and dates. For DB2, it is also possible to restrict the use of a device class to a particular partition.

System action: The operation fails.

User response: Modify the USE_AT, FROM-TO, and ON_DBPARTITIONNUMS entries of the DEVICE_CLASS statements in the profile so that at most, only one device class is used at a time.

FMM8566E **The specified DEVICE_CLASS statements are inconsistent. As a result, these pairs are ambiguous:** *pairs*

Explanation: Multiple DEVICE_CLASS statements are specified in the CLIENT section. This is allowed only if each of those statements is restricted for use with different times and dates. For DB2, it is also possible to restrict the use of a device class to a particular partition.

System action: The operation fails.

User response: Modify the USE_AT, FROM-TO, and ON_DBPARTITIONNUMS entries of the DEVICE_CLASS statements in the profile so that at

most, only one device class is used at a time.

FMM8567E **A node configured in PARTITION_GROUP is not present in the db2nodes.cfg file or does not reside on this host. To restore nodes that reside on a different host you need to start the restore from this host directly.**

Explanation: One of the specified nodes has not been found in the db2nodes.cfg file or does not reside on this host.

System action: Operation fails.

User response: Try the operation again with different nodes specified on the command line or in the profile or rerun the restore on the correct host. Also, check the settings in the db2nodes.cfg file.

FMM8568I **All nodes from db2nodes.cfg will be restored.**

Explanation: All nodes that are specified in the db2nodes.cfg file will be restored during this operation.

System action: No specific system behavior.

User response: None.

FMM8569I **Only some nodes specified in the db2nodes.cfg file will be restored Additional restore operations might be required on other hosts.**

Explanation: Some nodes that are specified in the db2nodes.cfg file will be restored during this operation.

System action: No specific system behavior.

User response: None.

FMM8570E **Unable to start db2.**

Explanation: DB2 could not be started successfully.

System action: Operation fails.

User response: Check the application logs and DB2 logs. Try this operation again when the cause of the error is corrected.

FMM8571E **Unable to initialize db2.**

Explanation: The DB2 instance could not be initialized.

System action: Operation fails.

User response: Check the application logs and DB2 logs. Try this operation again when the cause of the error is corrected.

FMM8572I **Output of db2inidb:** *output*.

Explanation: The db2inideb command output displayed.

System action: No specific system behavior.

User response: None.

FMM8573I **The password file '***filename***' has been updated successfully.**

Explanation: The password file has been updated with new or altered passwords.

System action: The password file is updated.

User response: No action is required.

FMM8574E **Syntax error:** *syntaxerror*

Explanation: The syntax of this command is not valid.

System action: The password file is not updated.

User response: Check the syntax of your command including its arguments. The correct syntax is documented in the User's Guide.

FMM8575E **In this command multiple passwords were set for '***server***'. Only one password can be set for each server.**

Explanation: Each command can set a server password only once.

System action: The password file is not updated.

User response: Check the command's list of server/password arguments for duplicates.

FMM8576E **The profile section '***sectionname***' does not need a password.**

Explanation: This profile section does not need a password.

System action: The password file is not updated.

User response: Please check the arguments of your command. In must not contain password definitions for profile sections other than ORACLE, DB2STANDBY, and DEVICE_CLASS.

FMM8577E **The '***directory***' file does not exist which is mandatory for the correct operation of the related storage device adapter.**

Explanation: Storage device adapters based on the generic device adapter framework are required to provide a customparameters.cfg file. It is expected to be bundled with the storage device adapter. If the file is missing this indicates a corrupted installation of the storage device adapter.

System action: Processing stops.

User response: Ensure that the storage device adapter has been properly installed. If necessary, contact the vendor of the storage device adapter.

FMM8583E Multiple possible values for parameter 'INCREMENTAL_LEVEL' detected: *ambigous statements*

Explanation: Multiple specifications of the parameter 'INCREMENTAL_LEVEL' with overlapping time spans have been detected in the profile.

System action: Processing stops.

User response: The parameter 'INCREMENTAL_LEVEL' can be specified multiple times within the profile to use different values at different days of the week or different times during the day. But these multiple definitions must not overlap. Correct the time specifications. Try the operation again.

FMM8584I Delete command completed successfully.

Explanation: The object(s) specified with the delete command were successfully deleted from the TSM server.

System action:

User response: None.

FMM8585W Delete command completed successfully, but had warning(s).

Explanation: The object(s) specified with the delete command were deleted with warning(s) from the TSM server.

System action:

User response: Check the Backup Object Manager log file for further detailed messages and if required, do the requested interventions manually.

FMM8586I Delete command was aborted.

Explanation: The delete command was aborted by the user. No object(s) were deleted from the TSM server.

System action:

User response: None.

FMM8587E Delete command failed due to an error.

Explanation: The delete command failed during execution. Not all objects were deleted from the TSM server.

System action:

User response: Check the Backup Object Manager log file for further detailed messages and try to resolve the error which led to the delete failure. Retry the action. If the error still exists, contact the IBM Support.

FMM8588E Delete command has not been started or no delete result information is available.

Explanation: This message indicates that an operation did not complete successfully. Typically, some other error condition was detected before.

System action:

User response: Contact the IBM Support.

FMM8589E Query command failed due to an error.

Explanation: The query command failed during execution. Not all queried objects can be displayed.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log. In the absence of preceding error messages, contact IBM Support.

FMM8596E The virtual machine '*vm name***' with instance UUID '***source vm instance uuid***' cannot be backed up because it is distributed across multiple datastores. Distributed virtual machines are not supported for the following environments: IBM DS8000 IBM NSeries NetApp.**

Explanation: The specified virtual machine cannot be backed up by IBM Tivoli Storage FlashCopy Manager because of environmental limitations. See error message for more detail.

System action: Processing ends.

User response: Exclude the specified virtual machine from the backup or use consistency groups in case the IBM XIV storage system is used.

FMM8601E The following device class sections are missing in the profile:

Explanation: Some profile parameters refer to device class sections that are not specified in the profile.

System action: The operation fails.

User response: Add the missing device class sections to the profile or adjust the specified profile parameters.

FMM8602E The parameter *profile parameter* **is referring to device class section '***device class***' which does not exist in the profile.**

Explanation: The specified profile parameter is referring to a device class section that is not specified in the profile.

System action: The operation fails.

User response: Add the missing device class section to

the profile or adjust the specified profile parameter.

FMM8603E Parameter *illegal option* is not a valid parameter for keyword *profile parameter*.

Explanation: One of the specified parameters is invalid.

System action: The operation fails.

User response: Correct the invalid parameter in the profile.

FMM8610I Restoring *type* ...

Explanation: The restore of *type* has started.

System action:

User response: None.

FMM8611I Do you want to overwrite the existing database (y/n)?

Explanation:

System action:

User response:

FMM8612I Continuing restore ...

Explanation: The database restore continues.

System action:

User response: None.

FMM8613E Terminating restore ...

Explanation: An error occurred, and the database restore terminates.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager and the shared library run logs. Additional information may be found in the DB2 diagnostic log (db2diag.log).

FMM8614E The virtual machines '*vm1*' and '*vm2*' have the same UUID '*uuid*'. UUID's need to be unique within a backup run.

Explanation: The two specified virtual machines have the same UUID. IBM Tivoli Storage FlashCopy Manager cannot process two virtual machines with the same UUID.

System action: Processing stops.

User response: Update the UUID of one of the virtual machines.

FMM8615I Restore command completed successfully.

Explanation: The object(s) specified with the restore command were successfully restored from the TSM server.

System action:

User response: None.

FMM8616W Restore command completed successfully with warnings.

Explanation: The object(s) specified with the restore command were restored with warning(s) from the TSM server.

System action:

User response: Check the Backup Object Manager log file for further detailed messages and if required, do the requested interventions manually.

FMM8617I Restore command was aborted.

Explanation: The restore command was aborted by the user. No object(s) were restored from the TSM server.

System action:

User response: None.

FMM8618E Restore command failed due to an error.

Explanation: The restore command failed during execution. Not all objects were restored from the TSM server.

System action:

User response: Check the Backup Object Manager log file for further detailed messages and try to resolve the error which led to the restore failure. Retry the action. If the error still exists, contact the IBM Support.

FMM8619E Restore command has not been started or no restore result information is available.

Explanation: This message indicates that an operation did not complete successfully. Typically, some other error condition was detected before.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8621I Restoring file '*file name*' ...

Explanation: The system started restoring the file indicated.

System action:

User response: None.

FMM8622I Deleting *type* ...

Explanation: The deletion of *type* has started.

System action:

User response: None.

FMM8623I Deleting file '*file name*' ...

Explanation: The system started deleting the file indicated.

System action:

User response: None.

FMM8626W The Tablespace Definition Information '*file name*' could not be deleted.

Explanation: The system tried to remove the TDI image from TSM, but did not succeed.

System action:

User response: Try to remove the image manually using the Backup Object Manager raw delete facility.

FMM8628E Found VM with name '*vmname*' in datastore '*dsurl*' but not in the backup or in the infile.

Explanation: All VMs included in the Datastore to restore have to be part of either the VMs included in the backup or the vms in the exclude list in the infile.

System action:

User response: Add the VM to the exclude list of the infile

FMM8629E The '*variable name*' environment variable is not set.

Explanation: The specified environment variable is not set, processing cannot continue for the requested operation.

System action: Processing ends.

User response: Ensure that when you run the product that you use the correct user ID so that the environment variable is set.

FMM8630E The command option '*option*' must be a number.

Explanation: An invalid argument was specified for command option *option*.

System action:

User response: Correct the command syntax.

FMM8631I Backup command completed successfully.

Explanation: The backup operation completed successfully; the backup image can be used for restoring. In the case of a full database backup, the TDI image was generated and stored to TSM, too.

System action:

User response: None.

FMM8632W Backup command completed successfully with warnings.

Explanation: The backup operation completed successfully; the backup image can be used for restoring. However, some problems occurred.

System action:

User response: Check the warning messages and take corrective actions if necessary.

FMM8633E The configured VCenter server is the '*found API version*' version, which is not supported by IBM Tivoli Storage FlashCopy Manager.

Explanation: The configured vCenter server has an unsupported API version.

System action: Processing ends;

User response: Use another vCenter server that has a supported API version or upgrade this vCenter server to a supported API version.

FMM8634E Backup command failed due to an error.

Explanation: No backup was made due to previous errors.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8635E The command option '*option*' must be a floating point number.

Explanation: An invalid argument was specified for command option *option*.

System action:

User response: Correct the command syntax.

FMM8636E **The command option '*option*' must be one of *values*.**

Explanation: An invalid argument was specified for command option *option*.

System action:

User response: Correct the command syntax.

FMM8637I *Type state* **backup of '*alias*' started ...**

Explanation: A backup operation of database *alias* of type *type* has started.

System action:

User response: None.

FMM8638I *Type state* **backup of tablespace(s)** *tablespace#1,...,tablespace#n* **of '*alias*' started ...**

Explanation: A backup operation of table space(s) *tablespace#1 ... tablespace#n* of database *alias* of type *type* was started.

System action: Processing continues.

User response: None.

FMM8639I **Including log files in backup image ...**

Explanation: The DB2 log files are stored as part of the backup image.

System action:

User response: None.

FMM8640I **Using *number* buffers with a size of *size* ...**

Explanation: For backup or restore operations, the indicated number of buffers of the size displayed are used.

System action:

User response: None.

FMM8641I **Using *number* session(s) ...**

Explanation: For backup or restore operations, the indicated number of TSM sessions is used.

System action:

User response: None.

FMM8642I **Using a degree of parallelism of *number* ...**

Explanation: For backup or restore operations, the degree of parallelism is displayed.

System action:

User response: None.

FMM8643I **Using vendor library at '*lib path*' ...**

Explanation: For backup or restore operations, the named vendor library is used.

System action:

User response: None.

FMM8644W **Offline backups cannot include log files. The option –L is being ignored.**

Explanation: An offline backup operation was started, requesting the DB2 log files to be included. This is not possible with an offline backup. The backup is done without including DB2 log files.

System action:

User response: Make sure to backup DB2 log files separately.

FMM8648I *number of files in this run* **file(s) were stored successfully in this run on the '*hostname*' node. A total number of** *stored number of files totally* **files out of** *total number of files* **files are stored in the data backup that is identified by the external '*backup id*' backup ID.**

Explanation: This is a progress message.

System action: Processing continues.

User response: N/A

FMM8649E **The automatic deletion of backups is not supported. Change the value of the** *parameter name* **parameter to 0.**

Explanation: The automatic deletion of backups is not supported.

System action: Processing ends.

User response: Ensure that the value of the specified parameter is set to 0. As a consequence, backups are not automatically deleted.

FMM8650E **To restore from all** *found_copies* **detected redo log copies,** *required_sessions* **sessions must be opened. But currently only** *configured_sessions* **are allowed.**

Explanation: For the object that should be restored

overall *found_copies* copies have been found on the Tivoli Storage Manager server. To allow transparent failover to other copies in case of errors Data Protection for SAP must be able to open *required_sessions* sessions. But the current configuration allows to open only *configured_sessions* sessions.

System action: Processing ends.

User response: Check the profile parameter MAX_RESTORE_SESSIONS or if not set check the value of parameter MAX_SESSIONS. Increase the value to be at least as large as *found_copies*. Ensure the overall number of sessions that are configured over all server stanzas in the Data Protection for SAP profile is at least as large as *found_copies*.

FMM8651W Your version of DB2 does not support including log files. The option –L is being ignored.

Explanation: A backup was started, requesting the DB2 log files to be included, but your version of DB2 does not support this feature. For including DB2 log files in the backup image, DB2 V.8.2 or later is required.

System action:

User response: Make sure to backup DB2 log files separately.

FMM8652I DB2 version '*version*' with *number* bits detected.

Explanation: The indicated DB2 version was detected by Backup Object Manager.

System action:

User response: None.

FMM8653I Using autonomic buffer size and number of buffers ...

Explanation: The buffer size and the number of buffers used for backup or restore is automatically determined by DB2.

System action:

User response: None.

FMM8654I Using an autonomic buffer size with *number* buffers ...

Explanation: The buffer size used for backup and restore is automatically determined by DB2. The number of buffers to be used was specified in the call to the Backup Object Manager.

System action:

User response: None.

FMM8655I Using an autonomic number of buffers with a size of *size* ...

Explanation: The number of buffers to be used for backup and restore are determined by DB2. The buffer size to be used was specified in the call to the Backup Object Manager.

System action:

User response: None.

FMM8656I Using an autonomic degree of parallelism ...

Explanation: The number of DB2 processes (UNIX or Linux) or threads (Windows) used for reading or writing data from/to table space containers during backup and restore is determined by DB2.

System action:

User response: None.

FMM8657W *Number* is not a valid partition number for a non–partitioned database. Assuming partition 0.

Explanation: The partition number specified in the call to Backup Object Manager does not denote a valid partition of the database. Therefore, the default partition 0 will be used by DB2 and by Backup Object Manager.

System action:

User response: If your database is not partitioned do not specify the partition number for further actions.

FMM8658E *Number* is not a partition number of the database or does not denote a partition on this host.

Explanation: The partition number specified does not denote a valid database partition or is not the partition located on the system where Backup Object Manager is called. Backup Object Manager can only operate on partitions residing on the same host.

System action:

User response: Either change *number* to a partition number of a local partition, or start Backup Object Manager from the same host where the partition resides.

FMM8659I Creating tablespace definition information ...

Explanation: The table space definition information (TDI) is being created in memory.

System action:

User response: None.

FMM8660I Saving tablespace definition information ...

Explanation: The table space definition information (TDI) is being stored on the TSM server.

System action:

User response: None.

FMM8661W Could not create Tablespace Definition Information.

Explanation: The system could not collect the table space definition information. The backup was made without TDI. As a result, the backup can be used for restoring the system, but it cannot be used for restoring to a different location.

System action:

User response: Ensure that your database is enabled to accept CLI connections.

FMM8662W Could not save Tablespace Definition Information.

Explanation: The system could not save the TDI on TSM. The backup was made without TDI. As a result, the backup can be used for restoring the system, but it cannot be used for restoring to a different location.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8663W The Tablespace Definition Information contains device containers of a type unsupported by BackOM redirected restore.

Explanation: A backup of a database using device containers was requested. The backup was successful, it can be used to restore the system, but it cannot be used for restoring to a different location. Restoring to a different location is not supported with device containers.

System action:

User response: None.

FMM8664E Connecting to '*alias***' using CLI failed. The return code was** *return code***.**

Explanation: The system tried to connect to the database named via the CLI. The operation did not succeed and returned the error code indicated.

System action:

User response: Ensure that your database is enabled to accept CLI connections.

FMM8665I The backup timestamp is: *timestamp*

Explanation: The DB2 backup finished successfully with the timestamp *timestamp*.

System action:

User response: None.

FMM8666I Redirecting container of tablespace *table space* **with ID** *id***.**

Explanation: The named table space is restored to the location requested.

System action:

User response: None.

FMM8667W Tablespace *tablespace* **with ID** *id* **was not redirected because its container on source system** *SID* **is not located in a path starting with '***path***'.**

Explanation: The named table space of type SMS was not redirected because the definition of the table space container in the source system does not match the database characteristics that Backup Object Manager expects and that are cited in the message. Therefore, Backup Object Manager tries to restore the table space to a location identical to the location in the original system.

System action:

User response: Make sure that the table space mentioned can be restored to the original location. This requires that the user initiating the redirected restore has the appropriate permissions for placing the table space container in this location and that the table space can be restored without overwriting other data. In order to avoid this situation in the future, the administrator of the source system may want to recreate the table space according to the database characteristics Backup Object Manager expects.

FMM8668I Tablespace Definition Information created successfully.

Explanation: The metadata concerning the phyiscal database layout necessary for automatic redirected restores driven by BackOM were created successfully.

System action:

User response: None.

FMM8669I Free space of device with ID *id* **containing the container storage path '***storage_path***' are** *free_space***.**

Explanation: After assigning a container storage path to a dedicated device the remaining free space is calculated and returned to the user.

System action:

User response: None.

FMM8670I **Remaining free space of device with ID '*id*' after assigning container '*container_name*' of size *size* are *free_space*.**

Explanation: After assigning or creating a tablespace container on a dedicated device the remaining free space is calculated and returned to the user.

System action:

User response: None.

FMM8671I **Using automatic storage path(s) *storage_path*.**

Explanation: A dedicated automatic storage path will be used.

System action:

User response: None.

FMM8672I **Redefining container path(s) of automatic storage tablespace *tablespace* with ID *id*.**

Explanation: The path(s) an automatic storage tablespace uses as a starting point for the container(s) will be redefined.

System action:

User response: None.

FMM8673E **The Datastore name '*dsname*' is not unique within one Backup.**

Explanation: The backup contains more then one Datastore with the same name

System action: Processing stops.

User response: replace the Datastore name with Datastore URL in the infile

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FMM8674E **A syntax error was detected in the *filename* file: *token***

Explanation: A syntax error was detected in the specified file. This storage device adapter file cannot be modified. If this file was not accidentally edited, this error indicates that there is a version conflict between IBM Tivoli Storage FlashCopy Manager and the storage adapter in use.

System action: Processing stops.

User response: Verify that the specified file is not corrupted or modified. Also, verify that the storage device adapter file is compatible with the version of IBM Tivoli Storage FlashCopy Manager that is installed.

FMM8675E **The default value for the *parameter_name* parameter in the *filename* file is missing.**

Explanation: A default value is mandatory for the specified parameter in the specified file. This storage device adapter file cannot be modified. If this file was not accidentally edited, this error indicates that there is a version conflict between IBM Tivoli Storage FlashCopy Manager and the storage adapter in use.

System action: Processing stops.

User response: Verify that the specified file is not corrupted or modified. Also, verify that the storage device adapter file is compatible with the version of IBM Tivoli Storage FlashCopy Manager that is installed.

FMM8690E **Free space check for container '*path*' failed. Only *free bytes* free space left on device with ID '*id*' but *required bytes* required.**

Explanation: The system requires a table space container of the size indicated at the path named, but there is not sufficient free space available to create it.

System action:

User response: Try to make available the free space required, for example by 1. Removing some files on the volume or file system the container is to reside on. 2. Increasing the size of the file system the container is to reside on. 3. Shrinking the size of the container requested so that it fits in the free space. Note: Backup Object Manager assumes that a small part (0.05%) of the free space will be required by the operating system for administrative use. As a consequence, only 99.95% of the free space on the volume or file system is actually available.

FMM8691E **The password file '*file name*' cannot be read.**

Explanation: The IBM Tivoli Storage FlashCopy Manager password file is unusable.

System action: The operation exits without completing.

User response: Check the file permission. If the file has been changed on the production system, make sure the file has been copied to backup or clone systems. If the problem persists, recreate the password file by entering the command 'fcmcli –f password' on the production system and copy it to backup or clone systems.

FMM8692E **The requested data could not be retrieved.**

Explanation: The TDI data of a backup image could not be retrieved and displayed.

System action:

User response: Look for and respond to preceding error messages.

FMM8693E More than one Tablespace Definition Information file matches your query.

Explanation: More than one TDI file matching the search criteria was found on TSM.

System action:

User response: Specify additional BackOM command options to restrict the result set.

FMM8700E Internal parser error in Tablespace Definition Information parser.

Explanation: An unexpected error occurred in the TDI parser.

System action:

User response: Contact IBM Support.

FMM8701E This parser cannot process Tablespace Definition Information version *version***.**

Explanation: The current version of Backup Object Manager is not compatible with the version the TDI image was created with. As a consequence, the TDI data cannot be processed.

System action:

User response: Check the release notes for the appropriate migration procedure.

FMM8702E Too many errors. Bailing out.

Explanation: The TDI parser encountered a number of errors. Restoring is stopped.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8703E Out of memory.

Explanation: The TDI parser encountered a token that cannot be read into the main memory. The TDI image cannot be processed, and restoring is stopped.

System action:

User response: Contact IBM Support.

FMM8704E Error while reading input file.

Explanation: The TDI parser tried to read more data from disk or from TSM, but did not succeed.

System action:

User response: Ensure that the TDI image to be processed exists at the expected location and that the system has sufficient privileges to read it.

FMM8705E *Error* **in line** *line number***.**

Explanation: The TDI parser encountered a syntax error in the line indicated. As a consequence, the TDI image cannot be analyzed.

System action:

User response: Respond to the error message and correct your TDI image.

FMM8706E The container at '*path***' is inappropriate for tablespace** *tablespace***.**

Explanation: The container at the location indicated cannot be added to the table space named because of incompatible properties.

System action:

User response: Check the properties of the container and the table space. Ensure that the IDs of the containers are unique for the table space named.

FMM8707E Missing statement *keyword* **in block** *block name* **near line** *line number***.**

Explanation: A keyword is missing in the named block ending at the line given.

System action:

User response: Insert the required statement in the block.

FMM8708E The [TDI] header block must be the first block.

Explanation: The TDI image does not start with the required header ([TDI] block). Only comments or whitespace are allowed before this block.

System action:

User response: Ensure that the [TDI] block is the first block in the TDI image.

FMM8709E The required block *block name* **is missing.**

Explanation: The named block is missing in your TDI image.

System action:

User response: Insert the missing block using valid values.

FMM8710W Duplicate block *block name* **ignored at line** *line number***.**

Explanation: At the line indicated, a block begins whose name was encountered before. The system ignores the duplicate block; it uses the data from the first occurrence of duplicate blocks.

System action:

User response: Make sure that block names are unique within a TDI image.

FMM8711W Duplicate statement *keyword* **ignored in line** *line number***.**

Explanation: At the line indicated, a duplicate statement was encountered within a block. The system ignores the duplicate statement.

System action:

User response: Make sure to not specify duplicate statements within a block.

FMM8715E Failed to create directory '*path***'. Reason:** *reason*

Explanation: The path indicated could not be created.

System action: The operation stops. The operation cannot continue until the error is resolved.

User response: Check the properties of the path indicated and make sure that its properties and the properties of the parent directory are set accordingly.

FMM8727E No instance found managing database '*database name***'.**

Explanation: The DB2 instance, which manages the named database '*image_name*' could not be detected.

System action: Processing ends.

User response: Contact your IBM support personnel.

FMM8728E Could not attach to instance '*instance***'.**

Explanation: BackOM was not able to attach to the instance *instance*.

System action:

User response: First, check the system environment for possible instance candidates. Try the action again by additionally specifying the BackOM command option '–i <instance name>'.

FMM8729I Checking system resources ...

Explanation: Prior to starting the redirected restore by BackOM the existing system resources, e.g. free space of a file system will be checked.

System action:

User response: None.

FMM8730I Scaling tablespace containers to *number* **percent ...**

Explanation: All table space containers will be increased by the percentage indicated during the table space container redefinition step.

System action:

User response: None.

FMM8731I Normalizing tablespace containers ...

Explanation: All containers of a table space will be of the same size after redefinition.

System action:

User response: None.

FMM8732E The Tablespace Definition Information used with the redirected restore operation contains an invalid database alias.

Explanation: There is an invalid database alias specified in the alias statement of the TDI image.

System action:

User response: Provide a valid alias.

FMM8733E The Tablespace Definition Information used with the redirected restore operation contains an invalid instance name.

Explanation: There is an invalid database instance specified in the <instance> statement of the TDI image.

System action:

User response: Provide a valid instance name.

FMM8734E The Tablespace Definition Information used with the redirected restore operation contains an invalid partition number.

Explanation: There is an invalid partition number specified in the <Node> statement of the TDI image.

System action:

User response: Provide a valid partition number.

FMM8736E Tablespace *tablespace* **must have at least one container.**

Explanation: The TDI image defines the table space named without containers.

System action:

User response: Ensure that there is at least one container associated with every table space.

FMM8737E Tablespace *tablespace* has containers with the combined storage too small.

Explanation: The number of used pages of the table space named exceeds the combined size of its table space containers defined in the TDI image.

System action:

User response: Ensure that every table space has containers of a combined size that is sufficient to hold the used pages of the table space.

FMM8738E The container at *path* has a page size that is incompatible with its tablespace.

Explanation: The container indicated does not have the same page size as its table space according to the definitions in the TDI image.

System action:

User response: Contact IBM Support.

FMM8739E The type of the container at *path* is incompatible with its tablespace.

Explanation: The container indicated cannot be used with its associated table space according to the definitions in the TDI image. SMS table spaces can only have path containers, and DMS table spaces must have file or device containers.

System action:

User response: Ensure that the appropriate types of containers are used with each table space.

FMM8740E The path *path* of a container must not be relative.

Explanation: In the TDI image, the named path defining a container does not seem to be a fully qualified path.

System action:

User response: Ensure that all paths in your TDI are fully qualified.

FMM8741E The container at *path* would overwrite existing files or directories.

Explanation: The TDI image contains the definition of the container indicated whose location is already in use. This is only allowed when restoring to the source database. Restoring to a different location is stopped.

System action: Ensure that all path containers defined in the TDI image point to non–existing paths and all file containers point to non–existing files.

User response:

FMM8742E The container at *path* is a device container which is not supported.

Explanation: In the TDI image, a device container is defined. However, device containers are not supported by Backup Object Manager.

System action:

User response: Do not use device containers.

FMM8743I Local Tablespace Definition Information check returned *return code*.

Explanation: The TDI with the target database table space definition was checked. If the return code given does not equal 0 errors occurred.

System action:

User response: In the case of a non–zero return code, contact IBM Support.

FMM8744I Tablespace Definition Information replacement check returned *return code*.

Explanation: The system checked whether the table space definitions of the target TDI can replace the definitions of the source TDI. If the return code given does not equal 0 the table space definitions of the target TDI are not valid.

System action:

User response: In the case of a non–zero return code, contact IBM Support.

FMM8745E The Tablespace Definition Information is invalid.

Explanation: The TDI with the target table space definitions is not valid. Restoring to a different location is stopped.

System action:

User response: Check the Backup Object Manager log for the return code of the validation. Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8746I The Tablespace Definition Information is valid.

Explanation: The TDI with the target table space definition is valid. Processing continues.

System action:

User response: None.

FMM8747E Not all tablespaces of the original database are contained in the Tablespace Definition Information.

Explanation: At least one table space of the original database is missing in the TDI definitions of the target database. However, a new location must be given for all table spaces of the original database. Therefore, restoring to a different location is stopped.

System action:

User response: Provide the information on the missing table spaces and their containers.

FMM8748E The Tablespace Definition Information does not define enough storage to hold all the data of the original database.

Explanation: The target TDI has at least one table space whose containers are too small to hold the data of the source database.

System action:

User response: Increase the container size or add more containers to the table spaces.

FMM8749E The page size of a tablespace in the Tablespace Definition Information does not match the one of the original database.

Explanation: The target TDI contains at least one table space with a matching ID in the source TDI, but their page sizes do not match.

System action:

User response: Ensure that table spaces have the same page sizes in both the source and the target TDI.

FMM8750E The number of used pages of a tablespace in the Tablespace Definition Information does not match the one of the original database.

Explanation: The target TDI contains at least one table space with a matching ID in the source TDI, but the number of used pages of the target table space does not match the number of used pages in the original database.

System action:

User response: Ensure that the number of used pages of a table space is the same in both the source and the target TDI.

FMM8751E The tablespace type in the Tablespace Definition Information does not match the one of the original database.

Explanation: The target TDI holds at least one table space with a matching ID in the source TDI, but the table space types are different.

System action:

User response: Ensure that the type of a table space is the same in both the source and the target TDI.

FMM8752E BackOM does not support redirected restore with device containers.

Explanation: The target TDI contains at least one definition of a device container. However, device containers are not supported by Backup Object Manager's redirected restore function.

System action:

User response: Do not use the Backup Object Manager's redirected restore facility for device containers.

FMM8753E A container cannot be created at *path*.

Explanation: Either the location where the table space container is to be created does not exist, or the permissions of the user are not sufficient.

System action:

User response: Check the location and the permissions.

FMM8755I Getting reference Tablespace Definition Information from TSM ...

Explanation: Retrieving the appropriate TDI to be used by internal checking routines from the TSM server.

System action:

User response: None.

FMM8756W Could not get reference Tablespace Definition Information from TSM. No input validation is done.

Explanation: The system could not find a TDI image matching the database backup to be restored on TSM. The restore action will be continued, but the input data cannot be validated before the restore starts.

System action:

User response: None.

FMM8757I Performing redirected restore from '*source alias*' to '*target alias*' ...

Explanation: Redirected restore of *source alias* to *target alias* is starting.

System action:

User response: None.

FMM8758E The Tablespace Definition Information does not contain data for tablespace '*tablespace*'.

Explanation: A definition of the table space named is expected to be provided in the TDI, but could not be found.

System action:

User response: Ensure that all table spaces of the source database are also defined in the target TDI.

FMM8759E Redirecting of at least one container failed.

Explanation: The system tried to create the containers for a table space, but at least one of them could not be redirected to a different location. Usually, the location of one of the table space containers is not allowed. A list of containers the system tries to create can be found in the Backup Object Manager log. One of them failed.

System action:

User response: Check for and respond to further error messages in the Backup Object Manager log.

FMM8760E Directory '*directory*' could not be created.

Explanation: The system tried to create the directories to place the containers in, but at least one failed.

System action:

User response: Ensure that the system has sufficient privileges to create the directories at the desired locations.

FMM8761E The container at *path* does not have the minimum size of two extends.

Explanation: A table space container to be created must have at least the size of two extends.

System action:

User response: Correct the size of the container to be created.

FMM8762I Set tablespace container with ID *id* and name '*tablespace_container*'.

Explanation: Backup Object Manager redirects a table space container to the ID and name indicated.

System action:

User response: None.

FMM8763E The extent size of a tablespace in the Tablespace Definition Information does not match the one of the original database.

Explanation: The extend sizes of corresponding table spaces defined in the source and target TDIs must be equal. However, for at least one table space different extend sizes are defined in the source and target databases.

System action:

User response: Define matching extend sizes for corresponding table spaces.

FMM8765I Checking redirected restore from '*source alias*' to '*target alias*' ...

Explanation: The system is testing whether the original database can be restored to the target location. It checks whether • the file system where the table space containers are to be created has sufficient free space. (If specified, normalizing and scaling are also considered.) • there are existing files and directories identical to the containers defined for the target database. This would indicate that a database of same name and of same structure already exists, and data could be overridden. • the structures of the source and target databases (table space types, page sizes, extend sizes) allow for a redirected restore.

System action:

User response: None.

FMM8766I Check successful. Redirected restore possible with these settings.

Explanation: The redirected restore test finished successfully. Thus, the redirected restore operation can be started with the options specified for the test run.

System action:

User response: None.

FMM8767W Warnings occurred.

Explanation: The redirected restore test detected one or more minor conflicts. These conflicts may or may not prevent a successful redirected restore operation. Nevertheless, it is recommended to resolve them.

System action:

User response: Check for and respond to preceding warning messages in the Backup Object Manager log.

FMM8768E Check failed. Redirected restore not possible with these settings.

Explanation: The redirected restore test detected one or more major errors which will prevent a successful redirected restore with these settings.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

FMM8769E Found multiple Tablespace Definition Information matching the given timestamp. Additional search conditions needed.

Explanation: More than one TDI file for a database backup image was found on the TSM server. In such a scenario, the integrity of the metadata assigned to a database backup images is violated and prevents an automatic redirected restore driven by BackOM.

System action:

User response: Contact your IBM support personnel.

FMM8770I Getting Tablespace Definition Information used with the redirected restore operation from TSM...

Explanation: The system is retrieving the TDI image from the TSM server.

System action:

User response: None.

FMM8771E The Tablespace Definition Information used with the redirected restore operation could not be retrieved.

Explanation: The TDI image specified could not be found.

System action:

User response: Provide the correct location of the TDI image.

FMM8772E The selected database has a structure that prevents automatic cloning.

Explanation: You tried to clone an SAP database using redirected restore, but the database does not have the default directory structure of an SAP database. The cloning facility of Backup Object Manager redirected restore cannot be used for this system.

System action:

User response: You may use either the interactive or the batch mode of Backup Object Manager redirected restore.

FMM8773E The interactive modification of the containers failed.

Explanation: You tried to interactively change the location of containers, but this operation failed.

System action: Processing ends.

User response: Contact IBM Support.

FMM8776E You are not allowed to delete this container.

Explanation: You tried to delete the last container of a table space. However, at least one container must be available to every table space.

System action:

User response: Make sure that there is at least one container defined for every table space.

FMM8798E Due to errors, you cannot continue the operation.

Explanation: You tried to start a restore operation after redefining the containers interactively, but errors were detected in the input data. The operation cannot continue.

System action:

User response: Check all table spaces with '!!' error marks in the list and correct the definitions of their containers. Then continue.

FMM8799E A container must have a size of at least twice the extent size (*minimum size* for this tablespace).

Explanation: The container size specified is too small. The minimum size of a container is twice the extent size.

System action:

User response: Correct the container size.

FMM8800I The command is: *command*

Explanation: Displays the command that was issued. The following commands are possible: Backup, Restore, Archive/Retrieve.

System action:

User response: None.

FMM8801I **Time:** *time* **—— PID:** *PID_Number*

Explanation: Displays the process id of the DB2 process which called the shared library.

System action:

User response: None.

FMM8802I **Found** *number type* **image(s) on TSM server.**

Explanation: For restore and delete operations Data Protection for SAP queries TSM for backup images by means of a timestamp and shows the number of found images.

System action:

User response: None.

FMM8803I **The DB2 image size for this session is about '***size***'.**

Explanation: The estimated size of the data to be backed up is displayed.

System action:

User response: None.

FMM8804W **The recovery log could not be written.**

Explanation: After every backup or restore, Data Protection for SAP writes a record into the recovery log file tdprlf.<SID>.*node_name*.log. It is located in the path pointed to by environment variable TDP_DIR.

System action:

User response: Check, if the permissions are set correctly and if there is sufficient free space in your file system.

FMM8805I **The restore was cancelled by the user. Existing data not overwritten.**

Explanation: The existing database is still operational.

System action:

User response: None.

FMM8806I *product version.release.modification.level* **(***build_numberbeta***)** *build_date*

Explanation: Writes version information into the product log file.

System action:

User response: None.

FMM8807I **Archive log file '***log number***' of chain '***log chain number***'.**

Explanation: Writes information about the log file to be archived into the product log file.

System action:

User response: None.

FMM8808I **Retrieve log file '***log number***' of chain '***log chain number***'. Seeking for TSM image '***image***'.**

Explanation: Writes information about the log file to be retrieved into the product log file.

System action:

User response: None.

FMM8810I **Cleaning up resources of process** *PID_number***'.**

Explanation: All resources used by the product will be released.

System action:

User response: None.

FMM8812I **Committed TSM sessions of this backup run will be deleted.**

Explanation: During a backup with multiple sessions, an error occurred. The backup operation is stopped. TSM sessions already committed during this operation are being deleted from the TSM server in order to prevent them from being considered restorable.

System action:

User response: None.

FMM8813E **Error deleting committed TSM sessions.**

Explanation: One or more committed TSM sessions could not be deleted during the postprocessing of the failed backup run.

System action:

User response: Use the Backup Object Manager to delete the file(s) manually.

FMM8814I **Inquired TSM with mask '***search mask***'.**

Explanation: The string denoted is used to inquire TSM for backup images.

System action:

User response: None.

FMM8815I Information for Log Manager: *DB2_instance DB2_database_name DB2_database_alias log_and_log_chain_number partition*

Explanation: The information listed is provided to the DB2 Log Manager.

System action:

User response: None.

FMM8816I DB2 version '*version*' detected.

Explanation: TSM for ERP is running on a system where DB2 version *version* is set up.

System action:

User response: None.

FMM8817I No corresponding committed TSM session(s) found. Nothing will be deleted.

Explanation: The cleanup of a failed TSM for ERP database backup could not find any partial TSM backup image of that run already stored on the TSM server for deletion.

System action:

User response: None.

FMM8818W Invalid value specified for BACKOM_LOCATION.

Explanation: The BackOM executable was not started for collecting database metadata due to an invalid specification.

System action:

User response: Check the value of the TSM for ERP configuration parameter BACKOM_LOCATION. The parameter can be found in the vendor environment file and must contain the fully qualified name of the BackOM executable.

FMM8819I The TSM objects matching with mask '*search mask*' will be deleted.

Explanation: The cleanup of a failed TSM for ERP database backup will delete any partial TSM backup image of that run already stored on the TSM server and matching *search mask* .

System action:

User response: None.

FMM8820E No valid TSM session found.

Explanation: A running TSM for ERP workflow could not continue due to a missing TSM session.

System action:

User response: Contact your IBM support personnel.

FMM8821I Using option(s) '*options*'.

Explanation: The *options* string specifies vendor options that DB2 provides to the TSM for ERP library as part of the calling function. These could be options directly provided as part of the database backup or restore command or options made persistent in the database configuration, here the parameters VENDOROPT, LOGARCHOPT1 or LOGARCHOPT2.

System action:

User response: None.

FMM8822I Configuration parameter(s): *parameters*

Explanation: The list specifies a set of runtime parameters that the TSM for ERP library is using for the calling workflow.

System action:

User response: None.

FMM8823W Configuration parameter SRC_DB_ALIAS requires parameter SRC_DB_INSTANCE and vice versa.

Explanation: To be able to recover a database after a redirected restore using the built–in DB2 rollforward command, TSM for ERP needs both SRC_DB_ALIAS and SRC_DB_INSTANCE.

System action:

User response: Include both parameters SRC_DB_ALIAS and SRC_DB_INSTANCE in the TSM for ERP vendor environment file and retry the database recovery.

FMM8831E The properties of the virtual machine '*vm name*' could not be fetched through the vSphere API because they are not set.

Explanation: The properties of the virtual machine could not be fetched through the vSphere API because they are not set on the corresponding object.

System action: Processing ends.

User response: Check if the according auxiliary ESX host is in an operational state.

FMM8832I Note: The GSKit installation is not removed from ${HOSTNAME} because it might be in use by other IBM Tivoli Storage FlashCopy Manager instances. If needed, the GSKit can be manually uninstalled. For more information, see the Installation and User's Guide.

Explanation: GSKit is remotely installed on the backup or cloning system by using SSH. Multiple instances of IBM Tivoli Storage FlashCopy Manager might exist on the remote system so GSKit is not uninstalled to avoid breaking other instances of IBM Tivoli Storage FlashCopy Manager.

System action: Processing continues. GSKit remains installed on the backup or cloning system.

User response: GSKit can be manually uninstalled on the backup or cloning systems if needed. The user guide provides details about the necessary steps.

FMM8833W The environment variable 'SHLIB_PATH' does not include the path '/usr/lib' which is required for the correct operation of GSKit. Ensure that the path is added to allow the correct operation of IBM Tivoli Storage FlashCopy Manager.

Explanation: The environment variable 'SHLIB_PATH' must include the path '/usr/lib' to ensure that the GSKit libraries are found.

System action: Processing continues but IBM Tivoli Storage FlashCopy Manager might be non-operational.

User response: Add the path '/usr/lib to the environment variable 'SHLIB_PATH'.

FMM8834E An earlier version of GSKit is running: '*version*'. This version cannot be used for Transport Layer Security (TLS) version 1.2.;

Explanation: In a DB2 application environment, IBM Tivoli Storage FlashCopy Manager application agent uses the GSKit libraries that are shipped with DB2. For older versions of DB2 this GSKit version might be older than the one that is shipped with IBM Tivoli Storage FlashCopy Manager. Earlier versions of GSKit do not support TLS version 1.2 and therefore TLS version 1.2 protocol cannot be enforced.

System action: IBM Tivoli Storage FlashCopy Manager cannot operate when you use this configuration.

User response: Either upgrade your DB2 installation to use a newer GSKit version, the minimum version is 8.0.14.21 or set the ENFORCE_TLS12 profile parameter to "NO". Run the setup script to configure this parameter.

FMM8835I Starting synchronous reconcile operation.

Explanation: The reconciliation process is started and the processing waits until the reconciliation has finished.

System action: Processing waits until reconciliation has finished.

User response: No action is required.

FMM8836I The reconcile operation has finished.

Explanation: The reconciliation process has finished and the processing will continue.

System action: Processing will continue.

User response: No action is required.

FMM8837I The synchronous reconcile operation has terminated. Normal processing continues.

Explanation: The reconciliation process has terminated with error. The processing will continue. The reconciliation process will be restarted later. The IBM Tivoli Storage FlashCopy Manager repository may contain invald backup entries until the next reconciliation process is scheduled.

System action: Processing will continue.

User response: No action is required.

FMM8838I Starting synchronous delete operation.

Explanation: The delete process is started and the processing waits until the delete has finished.

System action: Processing waits until delete has finished.

User response: No action is required.

FMM8839I The delete operation has finished.

Explanation: The delete process has finished and the processing will continue.

System action: Processing will continue.

User response: No action is required.

FMM8840I The synchronous delete operation has terminated. Normal processing continues.

Explanation: The delete process has terminated with error. The processing will continue. The delete process will be restarted later. The IBM Tivoli Storage FlashCopy Manager repository may contain invald backup entries until the next delete process is scheduled.

System action: Processing will continue.

User response: No action is required.

FMM8841W No IBM Tivoli Storage FlashCopy Manager offload daemon was running in the last *minutes* minutes. Make sure that the IBM Tivoli Storage FlashCopy Manager offload daemon process is running.

Explanation: The IBM Tivoli Storage FlashCopy Manager offload daemon was not running on the IBM Tivoli Storage FlashCopy Manager host since the specified time interval. This offload daemon process is required if IBM Tivoli Storage FlashCopy Manager snapshot backups should be sent to Tivoli Storage Manager.

System action: Processing will continue. But the offloaded backup to Tivoli Storage Manager may not start.

User response: Verify that the IBM Tivoli Storage FlashCopy Manager offload daemon process is running. Restart this daemon process if it is not running.

FMM8842W The '*lunserial*' Logical Unit Number (LUN) was added to the '*dsName*' datastore after the backup was completed. This LUN will be detached from the vSphere environment.

Explanation: One or more LUNs was added to the datastore after the backup operation was completed. Tivoli Storage FlashCopy Manager detaches these LUNs from the ESX host to mount the datastore when you perform an instant restore of this datastore.

System action: Processing will continue.

User response: No action is required.

FMM8843E The virtual machine could not be restored using '*target vm name*' VM name. A VM with the same name already exists in the datacenter.

Explanation: The specified virtual machine could not be restored because another virtual machine with the same name already exists in the datacenter.

System action: Processing ends.

User response: Specify another virtual machine name or delete the existing virtual machine in the vCenter.

FMM8899E Interface problem in function *function*: Value '*value*' of parameter '*parameter*' is not supported with DB2 version '*version*'.

Explanation: An unknown action code during the program execution was encountered.

System action:

User response: Contact your IBM support personnel.

FMM9001E Internal error: *error*

Explanation: The following internal error: *error* has been encountered.

System action:

User response: Contact IBM Support.

FMM9002E Parameter 'all' is not supported.

Explanation: The provided parameter is not supported. This error can be caused by nodes that are specified without being separated by commas.

System action: Processing ends.

User response: Make sure the specified nodes are separated by commas, then try the command again.

FMM9003E Incompatible components installed: *component name one*, *component name two*

Explanation: The components mentioned in the message text can not be used together. This may be the result of an incomplete upgrade.

System action:

User response: Contact IBM Support.

FMM9004E Location of the message catalog could not be figured out.

Explanation: Data Protection for SAP locates the message catalog over the install directory. When Data Protection for SAP is exploited through a library like DB2 or Oracle/RMAN, then the environment variable XINT_NLS_CATALOG_PATH is mandatory.

System action: Processing stops.

User response: The environment variable XINT_NLS_CATALOG_PATH may be required..

FMM9005E *A* **not supported by** *B*

Explanation: The installed version of product *B* does not support product *A*. Most likely you need to upgrade product *B*.

System action:

User response: Contact the IBM Support.

FMM9006E Internal error while reading environment variable: *variable*

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

FMM9007W An error occurred while terminating the application: *the error*

Explanation: While terminating the application, an error occurred. This has no impact on the success of the operation.

System action:

User response: None.

FMM9008E This product requires at least version *number* **of** *product name* **to be installed.**

Explanation: The version of the application *product name* is not supported by this application. Most likely application *product name* needs to be upgraded.

System action:

User response: Contact IBM Support.

FMM9009W The following products are not compatible: *product name first* **(***product version first***) and** *product name second* **(***product version second***).**

Explanation: This message is similar to FMM9008E. But in this case it's not obvious which one of the products needs to be upgraded.

System action:

User response: Contact IBM Support.

FMM9010E Could not determine installation directory for *program***. Please restart the process using a fully qualified name.**

Explanation: The name of the path where a given program is located could not be determined.

System action:

User response: Contact your IBM support personnel.

FMM9011E There was no response received within *number* **seconds; timeout is expired. You can increase the timeout by specifying the profile parameter** *timeoutphase* **for the current phase of the backup or restore operation.**

Explanation: The communication between two program components was suspended or stopped, which can lead to a timeout.

System action:

User response: Increase the timeout by specifying the profile parameter TIMEOUT_<PHASE> for the current phase of the backup or restore operation. If this does not solve the probblem please contact your IBM support personnel.

FMM9012E One of the requested data containers is already the subject of a restore.

Explanation: A restore of the same data has already been requested.

System action: Processing stops.

User response: Multiple restore operations are usually prevented by the database system. If there are no multiple restore operations performed concurrently, then contact IBM support for this problem.

FMM9013E Concurrent restore of objects being backed up with multiple device agents is not supported.

Explanation: This special restore scenario is unsupported.

System action:

User response: Contact your IBM support personnel.

FMM9014E Failed to load library: *library* **reason:** *reason*

Explanation: The ACS library could not be loaded.

System action:

User response: Contact your IBM support personnel.

FMM9015E Failed to locate functions in library: *library* **reason:** *reason*

Explanation: One or more functions could not be found in the ACS library.

System action:

User response: Contact your IBM support personnel.

FMM9198E While processing path *path_name***, an error occurred. The following error information was received:** *detailed_error_information*

Explanation: This message indicates that a problem occurred while processing the following path: *path_name*. If you are protecting data for DB2 applications, this path contains one or more of the database files to be included in the operation. If you are protecting data for Oracle databases or the Custom Application Agent, this path was provided in the in-file specified with the flag "-I <infile_name>" in the command.

System action: The operation stops. The operation cannot continue until the error is resolved.

User response: To help resolve the problem the

detailed_error_information is available. After you resolve the issue, enter the command again.

FMM9199E **The following command returned with an error:** *command* **The return code from this command is** *return_code* **The following command output was received:** *command_output* **Additional support information: An exception was thrown at position:** *position*(*line*)**.**

Explanation: This message indicates that the *command* returned with the error indicated by *return_code*. Any additional *command_output* is provided.

System action: The operation stops. The operation cannot continue until the error is resolved.

User response: To help resolve the problem the *command_output* is available. After you resolve the issue, enter the command again.

FMM9200E **Additional support information: An exception was thrown at position:** *position*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9201E **Additional support information: An exception was thrown at position:** *position*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9202E **Additional support information: An exception was thrown at position:** *position*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9203E **Additional support information: An exception was thrown at position:** *position*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9204E **Additional support information: An exception was thrown at position:** *file*(*line*) **(text**_*description*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9205E **Additional support information: Unable to instantiate** *name* **at** *file*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9206E **Additional support information: Unable to use** *actual* **when expecting** *expected* **at** *file*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9207E **Additional support information: An exception was thrown at position:** *file*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9208E **System error** *errno*: *errno text* **at position:** *file*(*line*)**.**

Explanation: A system call failed with *errno*.

System action:

User response: Check *errno* and *errno* text with you system administrator. If you cannot resolve the problem, contact IBM Support.

FMM9209E **Additional support information: No handler registered for message type *message*. Thrown at position: *file*(*line*).**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9210E **ESD_AbortDispatchingException thrown at position: *file*(*line*).**

Explanation: An internal error occurred.

System action:

User response: Contact IBM Support.

FMM9211E **Additional support information: An exception was thrown at position: *file*(*line*). (State *state*)**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9212E **Additional support information: No handler registered for message type (*message_type*, *classname*). Thrown at position: *file*(*line*).**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9213E **A memory allocation request failed at position: *file*(*line*).**

Explanation: This error message indicates an out–of–storage condition. It may occur due to a previous error, or it may be owed to a large size of the internal buffers.

System action:

User response: Check for and respond to preceding error messages. You may also want to reduce the size of the internal buffers (keyword BUFFSIZE in the Data Protection for SAP profile).

FMM9214E **Additional support information: An exception was thrown from a destructor.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9215E **The maximum string length supported for *name* is *length*.**

Explanation: The supported string length of a system component, e.g. file name or hostname has been violated.

System action:

User response: Check the components involved in the operation. If the problem cannot be resolved contact your IBM support personnel.

FMM9216E **Additional support information: An exception was thrown at position: *file*(*line*).**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9217E **Additional support information: An exception was thrown at position: *file*(*line*).**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9218E **Additional support information: An exception was thrown at position: *file*(*line*).**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9219E Additional support information: Invalid error type *type* encountered.

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

FMM9220E Additional support information: Second call of *call*.

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact your IBM Support.

System action:

User response: Contact your IBM Support.

FMM9221E The operation ended prematurely with return code *rc*. An exception was thrown at position: *file*(*line*).

Explanation: An operation could not be finished successfully due to an unexpected termination.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM9222E A snapshot–type operation was interrupted, Additional support information: An exception was thrown at position: *file*(*line*).

Explanation: A snapshot operation could not be finished successfully due to an unexpected interruption.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM9223E The operation will be aborted.

Explanation: An internal error during an operation leads to an abort of that operation.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM9224E The operation will be aborted. Check for other error messages in the log files.

Explanation: An internal error during an operation leads to an abort of that operation.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

FMM9225E The keyword '*keyword*' has not been found in the line '*line*' of the file '*file_name*'. Please change it back to the original value if you modified it.

Explanation: Occurs for example if the entries in the file /etc/inittab have been modified before a second installation.

System action:

User response: Change the modified *line* in the *file_name* back to the original value, *keyword* gives a hint to what is expected.

FMM9226E The ASM instance with SID='*instance id*' is not available. Please check if the ASM_INSTANCE_ID is set to the right ASM instance, if yes start it and check the availability.

Explanation: The ASM instance with the specified SID could not be accessed.

System action: Processing ends.

User response: Check if the ASM instance with the specified SID is available and started.

FMM9227E The ASM diskgroup '*diskgroup*' has not been found. Ensure that it is available.

Explanation: The specified diskgroup is needed for the backup but it has not been found in the ASM instance.

System action: Processing ends.

User response: Please ensure that the diskgroup is available in your ASM instance and that it is mounted.

FMM9228E Excpected ASM file but found file: '*file*'

Explanation: ASM files were expected, but a non-ASM file has been found. This might occur if your database resides on ASM and non-ASM files.

System action: Processing ends.

User response: Please ensure that you do not have a mixed environment with ASM and non-ASM files.

FMM9229E Excpected file but found ASM file: '*file*'

Explanation: Non-ASM files were expected, but an ASM file has been found. This might occur if your database resides on ASM and non-ASM files.

System action: Processing ends.

User response: Please ensure that you do not have a mixed environment with ASM and non-ASM files.

FMM9230E The SSL/TLS certificate provided by the server is missing a valid subject DN or issuer DN field.

Explanation: The subject DN or issuer DN field of the certificate provided by the server is missing. Both fields are mandatory fields to allow a validation of the certificate.

System action: The task stopped before successfully completing.

User response: Import a valid server certificate to the key ring database 'fcmcert.kdb'.

FMM9231E The SSL/TLS certificate provided by the server is not proving its supposed identity.

Explanation: The SSL/TLS certificate provided by the server is not issued for the server that was supposed to connect. The alternative name or subject CN field of the certificate does not match the hostname or IP address of the server that was actually connected.

System action: The task stopped before successfully completing.

User response: Revalidate the correctness of the certificate that has been imported to the key ring database 'fcmcert.kdb'. Its alternative name or subject CN field needs to match the hostname or IP address as stated in the IBM Tivoli Storage FlashCopy Manager profile (GLOBAL section, parameter ACSD).

FMM9300E Additional support information: Aborting 'send' operation. See previous error.

Explanation: This error may have been caused by previous errors.

System action:

User response: Check for previous errors and correct them.

FMM9301E Additional support information: State *state* does not match state pattern *pattern*.

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact your IBM Support.

FMM9302E Additional support information: Unused ESD_ReturnChannel destroyed. Dumping callstack: *callstack*

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact your IBM Support.

System action:

User response: Contact your IBM Support.

FMM9306I Dumping callstack.

Explanation: This message is always preceded by an error message indicating the problem. It provides additional information that might help IBM Support to analyze the cause of the problem.

System action:

User response: If you need to call IBM Support, provide the information given in this message together with the error information.

FMM9307E Did not find a winsock dll compatible with version *major_winsock_version*. *minor_winsock_version*. Version found is *low_byte_available version*.*high_byte_available_version*.

Explanation: The product failed to load the appropriate winsock dll.

System action:

User response: Contact your system administrator.

FMM9308E A socket request timed out after processing *number of bytes* bytes. *file*(*line*).

Explanation: A socket request was issued with a timeout and the requested action could not be completed within the time specified. It was cancelled after processing *number of bytes* bytes.

System action:

User response: If you need to call IBM Support, provide the information given in this message together with the error information.

FMM9309E Operation terminated due to an explicit abort request.

Explanation: An operation was terminated due to customer intervention.

System action:

User response: None.

FMM9310E Could not add *backup_id* to the repository at *path*.

Explanation: The system was not able to add information on the named backup to the repository located in the path indicated.

System action:

User response: Make sure the repository path is set correctly. If you need to correct the repository location, restart the server executable afterwards. If the problem persists contact your IBM support personnel.

FMM9311E Could not find *backup_id* in the repository at *path*.

Explanation: Information on the backup denoted by the backup ID could not be found in the repository located in the path indicated.

System action:

User response: Make sure the repository path is set correctly. If you need to correct the repository location, restart the server executable afterwards. If the problem persists contact your IBM support personnel.

FMM9312E *backup_id* is currently locked in the repository at *repository*.

Explanation: The information on the backup denoted by the backup ID is currently locked by a different process. Make sure to run only a single operation using a specific backup at a time.

System action:

User response: Wait for the other operation to finish or abort this operation. Then start again. If the problem persists contact your IBM support personnel.

FMM9313E Failed to update *backup_id* in the repository at *path*.

Explanation: The information on the named backup could not be updated in the repository located at the path named.

System action:

User response: Check the logs for other messages pointing to the cause of this problem. Resolve any problems indicated. If the problem persists contact your IBM support personnel.

FMM9314E Could not remove *backup_id* from the repository at *path*.

Explanation: An attempt to remove the information on the backup named from the repository located at the path indicated failed.

System action:

User response: Check the logs for other messages pointing to the cause of this problem. Resolve any problems indicated. If the problem persists contact your IBM support personnel.

FMM9315E Could not access the repository at '*path*' because it is currently locked by another process.

Explanation: When starting up, the server tried to load the repository located at the path named. However, the repository was locked by a different process. This can happen if two server processes try to use the same repository. This is not supported.

System action:

User response: Make sure each instance of the server uses its own repository.

FMM9316E The name '*name*' refers to an existing file or directory, but it does not appear to be a valid repository. In order to continue you need to specify either a non existing directory or the path of an existing valid repository.

Explanation: The server could not locate its repository when it started.

System action:

User response: Correct the profile or the call as appropriate.

FMM9317E The specified backup id '*backup_id*' must have *char_count* characters. If the specified amount of characters exists, make sure there are no special characters.

Explanation: The length of the specified backup id is incorrect.

System action:

User response: Correct the length of the backup id to match the specified length.

FMM9318E The file '*filename*' has not been found. It is required for the device agent to function. Check your installation.

Explanation: The specified file has not been found even though it was included in the installation.

System action:

User response: Check that the specified file is available in the specified location. Consider installing the product again in order to make the file available.

FMM9319E Operation is terminated.

Explanation: The current operation is stopped. See other errors in the log file.

System action: The operation stops.

User response: Check for other errors in the log file. If no other errors are found, contact your product support team.

FMM9320W Warning: Backup of previous profile version failed (file access error).

Explanation: Before writing a new version of the profile, the previous version is renamed into <profilename>.bck. Due to an error renaming failed so that the original profile is just overwritten by the new revision. As a consequence, no backup of the previous version is available.

System action: None.

User response: Ensure the backup variants of your profile (extensions .bck and .bck2) are writable.

FMM9327I Note: No FCM server certificate found in key database and no self-signed certificate file '${GSKIT_SELFSIGNED_CERT_ FILENAME}' found to be imported. If not using CA signed certificates, import self-signed certificate from Production System (PS). For details, refer to the User's Guide.

Explanation: Except when using CA signed certificates the public part of the self-signed server certificate needs to be imported to the key database of the IBM Tivoli Storage FlashCopy Manager installation on backup and cloning system nodes (BS/CS).

System action: If a CA signed certificate is installed to the key database on production system (PS), the message can be ignored; IBM Tivoli Storage FlashCopy Manager correctly operates. If no CA signed certificate is installed on PS, IBM Tivoli Storage FlashCopy Manager fails to operate until the self-signed server certificate has been deployed to the backup and cloning system nodes.

User response: Copy the self-signed server certificate file 'fcmselfcert.arm' from the IBM Tivoli Storage FlashCopy Manager instance installation path on production system (PS) to the IBM Tivoli Storage FlashCopy Manager installation path on your backup or cloning system. Rerun the setup script to automatically import the file to the key database.

FMM9328E An error occurred in the secure communication layer when running the following function: *function*. GSKit return code: *numeric return code*. GSKit error: *return value*.

Explanation: Information about the error is provided in the *return value*.

System action: The task stopped before successfully completing.

User response: Resolve the problem identified in the *return value*. Try the operation again.

FMM9329E An error occurred when the software tried to link the SSL Implementation to GSKit. GSKitWrapper error: '*linker error*'

Explanation: Information about the error is provided in *linker error*.

System action: The task stopped before successfully completing.

User response: Resolve the problem identified in the *linker error*. Try the operation again.

FMM9330E Error: Invalid Server name. The server name must be longer than *min* but cannot exceed *max* characters. The current length is *len*.

Explanation: The server name specified in the profile is not valid.

System action: Processing ends.

User response: Correct the servername specified in your profile.

FMM9331E Error: Invalid User name. The user name must be longer than *min* but cannot exceed *max* characters. The current length is *len*.

Explanation: The user name specified in the profile is not valid.

System action: Processing will end.

User response: Correct the user name specified in your profile.

FMM9332E Error: Invalid User password. Run 'fcmcli -f password' to create the password. The password must be longer than *min* but cannot exceed *max* characters. The current length is *len*.

Explanation: The specified password is not valid.

System action: Processing ends.

User response: Run 'fcmcli -f password' to set the correct password.

FMM9333E Error: Invalid Secondary Server name. The server name cannot exceed a length of *max* characters. The current length is *len*.

Explanation: The Secondary Server name specified is not valid.

System action: Processing will end.

User response: Correct the Secondary Server name specified in your profile.

FMM9334E Error: Invalid Server installation directory. The path to install directory cannot exceed a length of *max* characters. The current length is *len*.

Explanation: The Server install directory is invalid.

System action: Processing ends.

User response: Correct the Server install directory.

FMM9335E Error: Invalid Java home directory. The path to the Java Home directory cannot exceed a length of *max* characters. The current length is *len*.

Explanation: The Java™ Home directory is invalid.

System action: Processing ends.

User response: Correct the Java Home directory.

FMM9336E Error: Invalid Port number. The port number cannot be higher than *max*. The current port is *port*.

Explanation: The specified port is invalid.

System action: Processing will end.

User response: Correct the port number in your profile.

FMM9337W The given port number *port* is already in use by another process.

Explanation: The specified port is currently occupied by another process. The port might be still occupied during later operation which will cause the product is not able to operate properly.

System action:

User response: Change port number in your profile.

FMM9339E The specified device class *name* is already in use by *section* section.

Explanation: The specified device class is already referenced by a section of another type. A given device class may be used exclusively either by a CLIENT or a CLONING section

System action:

User response: Choose another device class name which is not in use by another section type.

FMM9340E The FlashCopy Cloning operation failed because the FlashCopy mappings used for Cloning are dependent on older FlashCopy mappings from older FlashCopy Backup or Cloning operations. You can either wait until the older FlashCopy mappings are in state idle_or_copy or you can start the Cloning operation with the force option [-F] which will force the older FlashCopy mappings to be stopped. In the latter case you will loose your older FlashCopy Backups or Clones.

Explanation: When you perform FlashCopy Backup and Cloning operations of the same production database to multiple FlashCopy target sets then you can have situations where you cannot always reuse the oldest target set for a new operation. For example you have started a FlashCopy Backup on space efficient target set T1 on Monday and you started a FlashCopy Cloning on a full target set T2 on Tuesday. Now you need to restart the FlashCopy Cloning in the same target set T2. This will result in the above error situation where you would destroy the FlashCopy Backup from Monday. FlashCopy Manager has implemented this error handling so that you cannot destroy FlashCopy Backups by accident. If you need to restart the FlashCopy Cloning operation urgently and you accept to loose FlashCopy Backups, then you can start the FlashCopy Cloning operation with the force option [-F] which will destroy the FlashCopy Backups and allows the FlashCopy Cloning operation to run successfully.

System action:

User response: You can either wait until the older FlashCopy mappings are in state idle_or_copy or you can start the Cloning operation with the force flag [-F] which will force the older FlashCopy mappings to be stopped. In the latter case you will loose your older FlashCopy Backups or Clones.

FMM9341E The name of the clone database is missing.

Explanation: The device class that is associated with the clone database requires at least one database name to be specified.

System action:

User response: Specify one (or more) database names. If more than one database name is specified, separate each name with a space.

FMM9342E Unmounting of file system '*filesystem*' at backup system does not work.;

Explanation: The GPFS command mmumount -force was not able to unmount the file system.

System action: Processing ends.

User response: Check what prevents the unmount of the remote GPFS file system. Solve this issue and call the IBM Tivoli Storage FlashCopy Manager unmount command again.

FMM messages for Microsoft Management Console

FMM messages in the range 500000-50099 are issued by IBM Tivoli Storage FlashCopy Manager for Windows. The messages concern the Microsoft Management Console (MMC).

Tivoli Storage FlashCopy Manager V4.1 messages that concern Microsoft Management Console are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMM50001E The product license could not be opened.

Explanation: At least one license is required. If this is a PTF package ensure that it is being installed over an existing package.

System action: Processing ends.

User response: Install the product again by running SetupFCM. SetupFCM is located in the root of your GA media. SetupFCM stores the media location in the registry when it is run. This will help to ensure that the correct licenses can be found.

FMM50002E The product registry key could not be opened.

Explanation: The product registry key is missing.

System action: Processing ends.

User response: Reinstall the product to create the required registry keys.

FMM50003E Unable to connect to the TSM server.

Explanation: Communication with a TSM server could not be established using the specified settings.

System action: Does not connect to the TSM server.

User response: Update TSM server settings as needed. Review the TSM BA client dsmerror.log file for details.

FMM50004E Unable To Obtain RSS Feed

Explanation: An attempt to read an RSS feed was made but could not be established.

System action: Processing will continue.

User response: Ensure that there is an internet connection

FMM50005E No RSS items were available.

Explanation: An RSS feed was read but no items were available.

System action: Processing will continue.

User response: Try the operation again at a later time.

FMM50006E Email must configured before mail can be sent.

Explanation: One or more email settings is not configured.

System action: Processing will continue.

User response: Click Settings... to configure email.

FMM50007I Windows PowerShell is not installed.

Explanation: Windows PowerShell is required to run the selected script.

System action: The selected script will not be run.

User response: Install Windows PowerShell. PowerShell is included with Windows Server 2008 and above but must be enabled as a feature using Windows Server Manager. For earlier versions of Windows, PowerShell can be obtained from the Microsoft download site.

FMM50008E The application cannot run in safe mode.

Explanation: The application requires either Services or Drivers that are not available when running in safe mode.

System action: The application processing stops.

User response: Restart the system using the normal

startup. When the system is started, run the application.

FMM50009E Windows PowerShell 3.0 or above, a prerequisite for Tivoli Storage FlashCopy Manager, is not installed. Install the prerequisite software before running Tivoli Storage FlashCopy Manager.

Explanation: Microsoft Windows PowerShell 3.0 or above is a prerequisite for Tivoli Storage FlashCopy Manager. This prerequisite is not met so the Tivoli Storage FlashCopy Manager software is not going to run.

System action: Install the prerequisite software before installing and running Tivoli Storage FlashCopy Manager.

User response: Microsoft Windows PowerShell is available for download from the Microsoft Windows web site.

FMM50010E

Explanation: Can not connect to the computer. {0}

System action: Application processing continues.

User response: Ensure that the computer name and credentials are specified correctly and try again.

FMM messages for IBM XIV storage systems

FMM messages in the range 18000-18199 are issued by IBM Tivoli Storage FlashCopy Manager components that use the IBM XIV storage system.

Tivoli Storage FlashCopy Manager V4.1 messages that concern the IBM XIV storage system are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMM18000E FcmParserException thrown.

Explanation: The generic command parser of the storage device adapter failed because an exception occurred. This error message is preceded by another error message that specifies the root cause of the issue in more detail.

FMM18003E FcmParserException thrown, see *trace_file* for details.

Explanation: The generic command parser of the storage device adapter failed because an exception occurred. This error message is preceded by another error message that specifies the root cause of the issue in more detail. For more information, see the specified trace file for detailed information about the conditions that caused this problem.

FMM18005E No value is specified for the mandatory *parameter_key* parameter.

Explanation: The generic command parser of the storage device adapter fails because no value is provided for the parameter with the specified key. This error is probably caused by a configuration problem.

FMM18006W The *logfilename* log file cannot be created.

Explanation: The log file cannot be created at the specified location because the path does not exist or write permissions are not assigned to the directory.

FMM18007W The *message_received* message is received but the *message_expected* message is expected.

Explanation: The generic command parser of the storage device adapter received a message that it cannot handle in its current state. This message is ignored.

FMM18008E The *key* parameter is not present in the profile.

Explanation: The specified parameter is missing in the profile configuration or no value is assigned to this parameter.

FMM18009E FcmStorageDeviceException thrown.

Explanation: The generic storage device adapter layer received an exception from the storage adapter implementation. This error message is preceded by other error messages that specify the root cause of the issue in more detail.

FMM18010E FcmProfileException thrown.

Explanation: The generic command parser of the storage device adapter failed because an exception occurred. This error message is preceded by another error message that specifies the root cause of the issue in more detail.

FMM18011E Unable to read from the standard input (STDIN).

Explanation: The generic command parser of the storage device adapter failed after receiving messages from Tivoli Storage FlashCopy Manager.

FMM18012E The *key* key is not allowed after *message* message.

Explanation: The generic command parser of the storage device adapter did not receive the message as expected according to its internal state machine.

FMM18013E FcmStorageDeviceException thrown, see *trace_file* for details.

Explanation: The generic storage device adapter layer received an exception from the storage adapter implementation. This error message is preceded by other error messages that specify the root cause of the issue in more detail. The specified trace file provides more detailed information about the conditions that lead to this issue.

FMM18014E FcmProfileException thrown, see *TraceFile* for details.

Explanation: The generic command parser of the storage device adapter failed because an exception occurred. This error message is preceded by another error message that specifies the root cause of the issue in more detail. For more information, see the specified trace file for detailed information about the conditions that caused this issue.

FMM18016W The *logdir* log directory cannot be created.

Explanation: The log file directory cannot be created at the specified location. This issue can arise because write permissions are not assigned to the directory.

FMM18017E The *Message* message received, ends the current operation.

Explanation: This error message indicates that the storage device adapter was instructed by Tivoli Storage FlashCopy Manager to end the current operation.

FMM18018E The *message* message is not allowed in this context.

Explanation: The generic command parser of the storage device adapter received an unexpected message that is not allowed in this context and therefore cannot be handled.

FMM18020E No additional messages are allowed after the #END tag. The *message* message might belong to the next section.

Explanation: The generic command parser of the storage device adapter received an unexpected message that is not allowed in this context and therefore cannot be handled. The occurrence of this error message indicates an internal error.

FMM18021E When starting the *function* function, the list of snapshot items that are received from Tivoli Storage FlashCopy Manager OS agent is empty.

Explanation: The snapshot item list is empty.

FMM18022E No response received from the storage device adapter.

Explanation: The response data that is expected from the requested call to the storage device adapter is not present.

FMM18023W When invoking the *function* function, the list of snapshots that was received from Tivoli Storage FlashCopy Manager OS agent is empty.

Explanation: A request for the specified function was received. However, the list of snapshots is empty.

FMM18024E The storage adapter implementation did not provide a complete set of capabilities. The missing keys are: *missing_keys*

Explanation: Each storage device adapter implementation is expected to provide information about its specific capabilities. Tivoli Storage FlashCopy Manager must have a fixed set of capabilities that are required for handling the storage device according to its specific characteristics. Some or all of these capabilities are not provided by the storage adapter implementation.

FMM18025E The storage adapter implementation did not provide the expected monitoring information for the *snapshot_name* snapshot.

Explanation: Some storage device types perform background copy operations that must be monitored by Tivoli Storage FlashCopy Manager. During monitoring, the storage device adapter is periodically polled to provide an update on the status of the copy operation. This monitoring information was not provided by the storage adapter implementation as expected.

FMM18026E The parsed value [*value*] has an invalid format that cannot be parsed.

Explanation: The specified value has an unknown format that cannot be handled by the parser of the generic storage adapter layer.

FMM18027E The [*target_volume*] target volume is specified multiple times.

Explanation: For the specification of target volumes, each target volume can be specified only once. The provided target set contains duplicated target volumes.

FMM18028E The [*source_volume*] source volume is specified multiple times.

Explanation: For explicitly mapping source volumes to target volumes, each source volume can be specified only once. The provided target set contains duplicated source volumes.

FMM18029E The global unique identifier that is provided by Tivoli Storage FlashCopy Manager must contain a value.

Explanation: When Tivoli Storage FlashCopy Manager requests a new backup, the device agent API expects a global unique identifier to be passed as a parameter. This identifier is not present.

FMM18030E The backup ID provided by Tivoli Storage FlashCopy Manager must contain a value.

Explanation: When Tivoli Storage FlashCopy Manager requests a new backup, the generic device adapter layer expects a backup identifier to be passed as a parameter. This identifier is not present.

FMM18031E The mandatory attribute [*attribute*] is missing.

Explanation: The generic command parser of the storage device adapter received a data structure which is missing the specified attribute. The attribute is mandatory for successfully processing the current request or response to a request.

FMM18032E The adapter implementation did not provide a result for the delete request of snapshot [*snapshot*].

Explanation: The adapter implementation is expected to provide an indication how it processed the snapshots that were requested to be deleted. The adapter implementation did not provide a result for the specified snapshot.

FMM18033E The storage device adapter did not accept the provided target set.

Explanation: The storage device adapter must explicitly accept the target set that is provided by Tivoli Storage FlashCopy Manager. Target set definitions might not be supported or do not apply to this kind of storage device adapter.

FMM18100I Running the following cleanup command: *encrypted_cmd*

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System tries to revert any changes in the IBM XIV Storage System when it is not able to complete a function.

FMM18101E The takeover host *hostname* parameter must be specified in the device section of the profile when you restore a remote snapshot on an IBM XIV Storage System.

Explanation: Tivoli Storage FlashCopy Manager requires a takeover host on the remote site to be able to restore and mount a snapshot that is taken on the remote site.

FMM18102E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System was not able to map the *vol_name* volume to the *host_name* host using the *lun_id* logical unit number (LUN) identifier. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*.

Explanation: Tivoli Storage FlashCopy Manager cannot execute the XCLI command to map the volume to the specified host.

FMM18103E The XIV device adapter was not able to collect the information for the *cg_name* consistency group. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*.

Explanation: Tivoli Storage FlashCopy Manager detected that the volumes involved are part of a consistency group but cannot retrieve information about this consistency group.

FMM18104E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System cannot evaluate the result of the following command: *encrypted_cmd*. The following error message was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation: The XIV storage adapter cannot parse the xml output from the XIV command-line interface command.

FMM18105I Waiting for the *sg_name* snapshot group to be synchronized to the remote site. Trying every *number_of_seconds* seconds until the remote snapshot is created or the timeout threshold is reached.

Explanation: After the remote snapshot backup, Tivoli Storage FlashCopy Manager adapter for the XIV Storage System issues the disband command for the remote snapshot group. This command is executed when the local snapshot is synchronized to the remote site and the snapshot group is created.

FMM18106E The snapshot item unique identifier is missing.

Explanation: During the partition phase, the XIV storage adapter assigns an identifier to each snapshot item. However, before the backup process starts, one item was found without an identifier.

FMM18107E The *xcli_cmd* **XCLI command ends with the** *return_code* **return code.**

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System cannot execute this command.

FMM18108E The *xcli_cmd* **XCLI command ends with the** *return_code* **return code. The following error message was generated by the IBM XIV Storage System:** *xiv_errmsg*

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System cannot execute this command.

FMM18110E The snapshot *SnapshotName* **was not found.**

Explanation: The restore operation was not successful because the snapshot does not exist on the storage system.

FMM18111E The current version *version* **of the command-line interface (XCLI)is not supported. The versions that are supported are in the range from** *minimum_version* **to** *maximum_version***.**

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System works with the specific versions that are listed.

FMM18117E The restore operation was not successful because the *snapshot_name* **snapshot name was modified.**

Explanation: When Tivoli Storage FlashCopy Manager is configured to create a read-only snapshot, it is required that the snapshots on the IBM XIV Storage System are locked and therefore cannot be modified. A read-only snapshot is created when the USE_WRITABLE_SNAPSHOTS parameter has a value equal to No in the Tivoli Storage FlashCopy Manager profile configuration file.

FMM18120E The *cg_name* **consistency group is not mirrored.**

Explanation: For IBM XIV remote mirroring the volumes of the application must be grouped in a mirrored consistency group.

FMM18121E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System was not able to unmap the *vol_name* **volume from the** *host_name* **host. The following error message was was generated by the IBM XIV Storage System:** *xiv_errmsg***.**

Explanation: Tivoli Storage FlashCopy Manager cannot execute the XCLI command to unmap the volume from the host.

FMM18122E There are insufficient free LUNs found to map the volumes to the *host_name* **host. The following is the number of free LUNs that are available:** *free_luns_avail* **but** *free_luns_required* **is the number of free LUNs required.**

Explanation: Tivoli Storage FlashCopy Manager was unable to determine sufficient free LUN identifiers on the XIV Storage System to map the volumes to the host.

FMM18123E The mirror type *mirror_type* **of the consistency group** *cg_name* **is not supported.**

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System does not support the mirror type that was detected for this consistency group. The following values are accepted by Tivoli Storage FlashCopy Manager: sync_best_effort for remote synchronous mirroring and async_interval for remote asynchronous mirroring.

FMM18126E The *filename* **XCLI executable file cannot be found in the path that is specified or it is not an executable file.**

Explanation: The XCLI executable file cannot be found because one of the following conditions exist: The XCLI executable file cannot be found in the location that is specified by the XCLI_PATH profile parameter. The application user does not have the permission to execute this file. The size of the file is zero. As a consequence, no commands can be executed on the storage device.

FMM18127E The *host_name* **host name is not defined on the IBM XIV Storage System.**

Explanation: The IBM XIV Storage System was requested to mount a snapshot or volume on a host that it cannot identify.

FMM18128I The rollback to an earlier state is completed.

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System is finished undoing the changes on the IBM XIV Storage System after the adapter fails to complete a function.

FMM18131E The snapshot restore was not successful because the snapshot named *ParameterName0* **is not locked.**

Explanation: When Tivoli Storage FlashCopy Manager is configured to create a read-only snapshot, it is required that these snapshots on the XIV Storage System are locked. Therefore, they cannot be modified. A read-only snapshot is created when the parameter USE_WRITABLE_SNAPSHOTS has a value equal to No in the Tivoli Storage FlashCopy Manager profile configuration file.

FMM18136E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System was not able to retrieve the host mapping for the *vol_name* **volume.**

Explanation: Tivoli Storage FlashCopy Manager cannot execute the XCLI command to get the host mapping for the specific volume.

FMM18137E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System was not able to add the *vol_name* **volume to the** *cg_name* **consistency group . The following error message was generated by the IBM XIV Storage System:** *xiv_errmsg***.**

Explanation: The XCLI command to add a volume to the consistency group failed.

FMM18140E The unmount function cannot find the *property_name* **property.**

Explanation: The specified property is mandatory for the execution of the unmount function. If it is missing, this message might indicate that there is a protocol issue between Tivoli Storage FlashCopy Manager and the XIV storage device adapter.

FMM18141E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System was not able to remove the *dup_snap_name* **duplicate snapshot. The following error message was generated by the IBM XIV Storage System:** *xiv_errmsg*

Explanation: During the unmount process, the adapter tries to remove the duplicate snapshots that were created during the mount process. The XCLI command sent to the XIV Storage System failed.

FMM18143E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System was not able to create the snapshot for the *cg_name* **consistency group. The following error message was generated by the IBM XIV Storage System:** *xiv_errmsg*

Explanation: The XCLI command to create the snapshot failed.

FMM18144E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System failed to duplicate the *snap_name* **snapshot. The following error message was generated by the IBM XIV Storage System:** *xiv_errmsg*

Explanation: The XCLI command to duplicate the snapshot failed.

FMM18145E The *cg_name1* **consistency group name differs from the** *cg_name2* **consistency group name on the** *vol_name* **XIV volume.**

Explanation: Tivoli Storage FlashCopy Manager requires that all volumes that are part of the snapshot backup must belong to the same consistency group.

FMM18148E The *key* **parameter is not present in the profile.**

Explanation: The specified parameter is missing in the profile configuration or has no value assigned.

FMM18151I The remote mirror relationships for the *consistency_group* **consistency group will be deleted.**

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System deactivates and removes the remote mirror relationships if the exist during a snapshot restore.

FMM18152E The snapshot name to be deleted is missing.

Explanation: The snapshot name is required for the delete function.

FMM18154E The *pool_name1* **XIV storage pool name differs from the** *pool_name2* **storage pool name on the** *vol_name* **XIV volume.**

Explanation: Tivoli Storage FlashCopy Manager requires that all volumes of the application must belong to the same volume pool.

FMM18156E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System was not able to remove the *vol_name* volume from the *cg_name* consistency group. The following error was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation: The adapter was not able to remove one volume from the consistency group.

FMM18157E A snapshot or a volume with the *ParameterName0* name already exists.

Explanation: The name of the snapshot must be unique to snapshot and volume names. IBM XIV Storage system, handles snapshots in the same manner as volumes.

FMM18158E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System was not able to disband the *sg_name* snapshot group . The following error was generated by the IBM XIV Storage System: *ParameterName1*

Explanation: After the snapshot backup, Tivoli Storage FlashCopy Manager issues the XCLI disband command for the snapshot group. This command was not successful.

FMM18159I Starting the rollback to an earlier state.

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System, reverses any changes that were made and that are not completed successfully.

FMM18161E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System, was not able to delete the *cg_name* consistency group. The following error was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation: After the snapshot backup, the consistency group that is created for the snapshot backup must be deleted. This command was not successful because of an error. Note: When a consistency group that contains volumes to be processed already exists, then it is not deleted after the snapshot backup.

FMM18163E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System, was not able to rename the *old_snap_name* snapshot with the new *new_snap_name* snapshot name. The following error was generated by the IBM XIV Storage System: *xiv_errmsg*.

Explanation: After the snapshot backup, the snapshots are disbanded from the consistency group into dedicated snapshots. These snapshot are then renamed by using a specific convention. The XCLI command to rename the snapshot failed.

FMM18164E Tivoli Storage FlashCopy Manager adapter for the IBM XIV Storage System was not able to create the *cg_name* consistency group. The following error was generated by the IBM XIV Storage System: *xiv_errmsg*

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System failed when using the XCLI command to create the consistency group.

FMM18165I The XIV volume with the *ser_no* serial number is not found in the *copyserver_servername* IBM XIV Storage system.

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV storage looks for the volumes in the storage system that is identified by the value of the COPYSERVICE_SERVERNAME parameter. This parameter is defined in Tivoli Storage FlashCopy Manager profile configuration file.

FMM18170E The *cg_name* consistency group is not synchronized.

Explanation: Using XIV synchronous remote mirroring requires that the consistency group must be in a synchronized state before starting a snapshot backup.

FMM18171E The *cg_name* consistency group is not operational or is inactive.

Explanation: Using XIV Asynchronous Remote Mirroring requires that the consistency group is operational and active.

FMM18173E The current version *current_version* of the XIV Storage System is not supported. The versions that are supported are in the range from *minimum_version* to *maximum_version*.

Explanation: Tivoli Storage FlashCopy Manager adapter for the XIV Storage System works with the specific versions that are listed.

FMM18174E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System, was not able to retrieve the mapping list of LUNs for the *host_name* host. The following error message was generated by the XIV Storage System: *xiv_errmsg*.

Explanation: Tivoli Storage FlashCopy Manager was

unable to get the mapping list of LUNs for a specific host, when using the XCLI command.

FMM18175E Tivoli Storage FlashCopy Manager adapter for the XIV Storage System, was not able to unlock *snapshot_name* **snapshot. The following error message was generated by the XIV Storage System:** *xiv_errmsg***.**

Explanation: Tivoli Storage FlashCopy Manager failed when using the IBM XIV command-line interface (XCLI) command to unlock the snapshot.

FMM18176I The *snap_name* **snapshot is not found in the IBM XIV Storage System.**

Explanation: The mount process cannot continue as the snapshot was not found in the IBM XIV Storage System.

FMM18177W The *volume_name* **volume cannot be unmounted because the volume cannot be found in the IBM XIV Storage System.**

Explanation: The storage device adapter cannot unmap the specified volume because it does not exist. This volume was possibly deleted from the storage system externally.

Chapter 3. FMF messages

Messages with prefix FMF are issued by the IBM Tivoli Storage FlashCopy Manager for Windows Microsoft Management Console (MMC) Snapin and Base System Services component. Tivoli Storage FlashCopy Manager V4.1 FMF messages are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMF0003S An internal processing error has occurred.

Explanation: An internal processing error has occurred.

System action: Processing ends.

User response: Retry the operation. If this error persists, contact your service representative.

FMF0004E An unknown error has been detected.

Explanation: An internal processing error has occurred that prevents the generation of a message for a return code.

System action: Processing continues.

User response: Retry the operation. If this error persists, contact your service representative.

FMF0005E Out of memory. Stop other processes and try the operation again.

Explanation: The machine has run out of memory.

System action: Processing continues.

User response: Close unnecessary processes and try the operation again.

FMF0053E License file (*licensefile*) could not be opened.

Explanation: An attempt to read from the license file failed.

System action: Processing ends.

User response: Install the product again. This ensures that the correct license file is installed.

FMF0054E Read failure on license file (*licensefile*).

Explanation: An attempt was made to read from the license file. This attempt failed.

System action: Processing ends.

User response: Reinstall the product. This will ensure that the correct license file is installed.

FMF0055E Write failure on license file (*licensefile*).

Explanation: An attempt to write to the license file failed.

System action: Processing ends.

User response: Make sure enough space exists on the workstation to write to the license file. If enough space exists, run the command again.

FMF0056E Data in the license file (*licensefile*) is not in a valid format.

Explanation: An attempt to read information from the license file failed.

System action: Processing ends.

User response: Install the product again.

FMF0057E The checksum in the license file (*licensefile*) does not match the license string text.

Explanation: An attempt was made to read information from the license file. The checksum was not valid so it appears that the license file is not at the correct level.

System action: Processing ends.

User response: Reinstall the product.

FMF0058E The 'Try and Buy' license has expired.

Explanation: This 'Try and Buy' license that was detected has expired.

System action: Processing ends.

User response: This product is no longer valid for use. A valid license must be obtained before running the product.

FMF0100E Incomplete command:

Explanation: This message displays the incomplete command that was entered.

System action: Processing ends.

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User response: Re-enter the complete command.

FMF0101E Invalid argument:

Explanation: This message displays the command that was entered, up to and including the invalid command or option argument that was detected.

System action: Processing ends.

User response: Re-enter the command specifying a valid argument for the command or option.

FMF0102E Invalid command:

Explanation: This message displays the invalid command that was entered.

System action: Processing ends.

User response: Re-enter a valid command.

FMF0103E Invalid option for the specified command:

Explanation: This message displays the command that was entered, up to and including the option that was detected as invalid for the command.

System action: Processing ends.

User response: Re-enter the command specifying valid command options.

FMF0104E Invalid option:

Explanation: This message displays the command that was entered, up to and including the invalid option that was detected.

System action: Processing ends.

User response: Re-enter the command specifying valid command options.

FMF0105E Missing argument:

Explanation: This message displays the command that was entered, up to and including the command or option whose required argument is missing.

System action: Processing ends.

User response: Re-enter the command specifying a valid argument for the command or option.

FMF0132W Tracing could not be started. Processing will continue.

Explanation: A problem prevented tracing from beginning.

System action: Processing will continue with the command entered.

User response: Refer to the other messages that display with this message to determine the problem.

FMF0133W Could not locate installation directory. Attempting to continue...

Explanation: An attempt was made to read the registry to determine where the Tivoli Data Protection application client was installed. This attempt failed.

System action: Processing will continue with the command entered.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMF0134W Could not locate log directory. Processing will continue...

Explanation: An attempt was made to read the registry to determine where the Tivoli Data Protection application client log is located. This attempt failed.

System action: Processing will continue with the command entered.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMF0150I Operation canceled by user.

Explanation: The user has requested that the IBM Tivoli Storage Manager application client end by entering ctrl-C.

System action: Processing ends.

User response: None

FMF0151E Errors occurred while processing the request.

Explanation: Attempting to process the request entered, an error occurred.

System action: Processing ends.

User response: Attempt to determine the source of the errors from viewing the log file. Correct the problems and try running the command again.

FMF0152I Performance stats: *seconds* **seconds spent in** *apicall* **API calls**

Explanation: The indicated number of seconds were spent making API calls for the indicated system.

System action: Processing continues.

User response: None

FMF0153I **Performance stats:** *seconds* **seconds spent in** *function*

Explanation: The indicated number of seconds were spent the named function.

System action: Processing continues.

User response: None

FMF0154E **The IBM Tivoli Storage Manager application client cannot work with the version of the FlashCopy Manager API you have installed. Please install version** *version.release.level* **or greater.**

Explanation: The version of the FlashCopy Manager API currently installed on the system is older than the version used to build the IBM Tivoli Storage Manager application client.

System action: Processing ends.

User response: Install a version of the FlashCopy Manager API at or later than the indicated level. A copy is distributed with the IBM Tivoli Storage Manager application client.

FMF0155E **The IBM Tivoli Storage Manager application client cannot work with the release of FlashCopy Manager API you have installed. Please install release** *version.release.l evel* **or greater.**

Explanation: The release of the FlashCopy Manager API currently installed on the system is older than the release used to build the IBM Tivoli Storage Manager application client.

System action: Processing ends.

User response: Install a release of the FlashCopy Manager API at or later than the indicated level. A copy is distributed with the IBM Tivoli Storage Manager application client.

FMF0156E **Could not load the FlashCopy Manager API.**

Explanation: The FlashCopy Manager API could not be loaded.

System action: Processing ends.

User response: Ensure the FlashCopy Manager API is correctly installed. Run the IBM Tivoli Storage Manager application client with the /TRACEFLAGS=API /TRACEFILE=filename options and view the tracefile to determine why it could not be loaded. Another possible cause is that the TSMAPI.DLL does not exist in the system directory. Re-install the FlashCopy Manager API, if this is the case.

FMF0160E **An authentication error occurred with your stored FlashCopy Manager password.**

Explanation: You were unable to log on to the FlashCopy Manager server due an authentication error.

System action: Processing stops.

User response: The stored FlashCopy Manager password may have become corrupted. Contact your FlashCopy Manager server administrator.

FMF0161E **Authentication error. The password entered is not valid. You are not logged on to the FlashCopy Manager server.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the correct FlashCopy Manager password and try again.

FMF0162E **The passwords entered do not match. Please enter them again.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the passwords again.

FMF0163E **The directory path needs to be fully-qualified.**

Explanation: The /intopath option was specified without a fully-qualified path.

System action: Processing stops.

User response: Enter the command again and specify a fully-qualified path in the /intopath option.

FMF0167E **The fully-qualified file name is too long.**

Explanation: An attempt was made to use a fully-qualified file name that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMF0200E **File (***filename***) could not be opened for reading.**

Explanation: An attempt was made to open a file for reading. This attempt failed.

System action: Processing ends.

User response: None

FMF0201E File (*filename*) could not be opened for writing.

Explanation: An attempt was made to open a file for writing. This attempt failed.

System action: Processing ends.

User response: None

FMF0202E Read failure on file (*filename*).

Explanation: An attempt was made to read from a file. This attempt failed.

System action: Processing ends.

User response: None

FMF0203E Write failure on file (*filename*).

Explanation: An attempt was made to write to a file. This attempt failed.

System action: Processing ends.

User response: None

FMF0204E File (*filename*) could not be closed.

Explanation: An attempt was made to close a file. This attempt failed.

System action: Processing ends.

User response: None

FMF0205E File (*filename*) statistics could not be obtained.

Explanation: An attempt was made to obtain file statistics. This attempt failed.

System action: Processing ends.

User response: None

FMF0206E Directory (*directory*) could not be created.

Explanation: An attempt was made to create a directory. This attempt failed.

System action: Processing ends.

User response: None

FMF0207E Directory path (*directorypath*) is too long.

Explanation: An attempt was made to use a directory path that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMF0208E There is not enough disk space for the operation attempted.

Explanation: An attempted operation required more disk space than was available. The attempt failed.

System action: Processing ends.

User response: None

FMF0209E The rename of file (*filename1*) to (*filename2*) failed.

Explanation: An attempt was made to rename a file. This attempt failed.

System action: Processing ends.

User response: None

FMF0210E The FlashCopy Manager high level qualifier is too long.

Explanation: An attempt was made to use a FlashCopy Manager high level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMF0211E The FlashCopy Manager low level qualifier is too long.

Explanation: An attempt was made to use a FlashCopy Manager low level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMF0212E The FlashCopy Manager filespace name is too long.

Explanation: An attempt was made to use a FlashCopy Manager filespace name that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMF0213E The maximum number of objects allowed per FlashCopy Manager transaction is too small.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the FlashCopy Manager server in a single transaction. The FlashCopy Manager server has indicated that the maximum number of objects allowed per transaction is less than the minimum required by the IBM Tivoli Storage Manager application client.

System action: Processing ends.

User response: Increase the maximum number of objects allowed per transaction on the FlashCopy Manager server and retry the operation.

FMF0214E The backup object's management class backup copy group does not exist.

Explanation: The FlashCopy Manager server has indicated that the backup object's management class backup copy group does not exist.

System action: Processing ends.

User response: Contact your FlashCopy Manager server administrator.

FMF0215E All backup objects do not have the same management class backup copy destination.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the FlashCopy Manager server within a single transaction. All backup objects within a single transaction are required to have the same management class backup copy destinations.

System action: Processing ends.

User response: Contact your FlashCopy Manager server administrator.

FMF0216E Unable to obtain space information for volume (*volumename*).

Explanation: An attempt was made to obtain space information for a volume. This attempt failed.

System action: Processing ends.

User response: None

FMF0217E The FlashCopy Manager filespace name is invalid.

Explanation: The filespace name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the filespace name length, characters, and directory delimeters are valid.

FMF0218E The FlashCopy Manager high level qualifier is invalid.

Explanation: The high level qualifier name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the high level qualifier name length, characters, and directory delimeters are valid.

FMF0219E The FlashCopy Manager low level qualifier is invalid.

Explanation: The low level qualifier name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the low level qualifier name length, characters, and directory delimeters are valid.

FMF0256E The password in your FlashCopy Manager options file has expired. Please change your password on the FlashCopy Manager server using the 'change password' command and then either change or remove the password value in your options file.

Explanation: Your FlashCopy Manager password has expired. You need to change your password.

System action: Processing ends.

User response: Obtain a new password for your FlashCopy Manager server; node using the change password command or by asking your FlashCopy Manager Administrator to change your password.

FMF0257E Your password has expired.

Explanation: Your FlashCopy Manager password has expired. A new password needs to be obtained.

System action: Processing ends.

User response: Obtain a new password for your FlashCopy Manager node using the change password command or by asking your FlashCopy Manager Administrator to change your password.

FMF0258E You did not enter a valid password. Processing ends.

Explanation: The password that was entered was not a valid password.

System action: Processing ends.

User response: Re-enter the command specifying a valid password.

FMF0259E The password you entered for verification does not match the password you entered for your new password. Your password will not be changed.

Explanation: The password you entered for verification of your new password does not match the new password that was entered.

System action: Processing ends.

User response: Try again to change your password being sure to enter the same password for the new password and for the verification password.

FMF0260I Password successfully changed.

Explanation: The change password command completed successfully

System action: Processing ends.

User response: None

FMF0261I There are no backups for the server named *servername***.**

Explanation: There are no backups on the FlashCopy Manager server for the specified server name.

System action: Processing ends.

User response: None

FMF0262E Errors occurred while processing the VSS operation. Examine the Windows Event Logs and DSMERROR.LOG for additional details.

Explanation: While attempting to process a VSS operation, an unexpected error occurred.

System action: Processing ends.

User response: Attempt to determine the source of the error by examining the FCM for Windows log file, the FCM Client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable. Additional instructions for Windows VSS operations are located in the TSM Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

FMF0263E Failed to start Web browser with a return code of *returncode***.**

Explanation: An attempt was made to start the web browser to view the FCM HTML b ook. This attempt failed.

System action: Processing ends.

User response: Start your web browser manually and point it to bookfrm.htm in the agent htm directory.

FMF0264I Could not find the default browser defined. An attempt will be made to use Microsoft Internet Explorer.

Explanation: An attempt was made to read the registry to determine the default browser. However, a default browser is not defined. A determination will be made where Microsoft Internet Explorer is installed.

System action: Processing continues.

User response: It is possible that a default browser is not defined for the system. This is okay. An attempt will be made to use Microsoft Internet Explorer.

FMF0265E Could not find Internet Explorer.

Explanation: An attempt was made to read the registry to determine where Microsoft's Internet Explorer was installed. This attempt failed.

System action: Processing ends.

User response: Make sure that the registry is set up correctly for Internet Explorer.

FMF0266E Could not find the FlashCopy Manager HTML books.

Explanation: An attempt was made to read the registry to determine where the Tivoli Storage Manager books were installed. This attempt failed.

System action: Processing ends.

User response: It may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMF0267E The verify password entered does not match the new password entered.

Explanation: The verify password does not match the new password.

System action: Processing ends.

User response: Retry the command with a matching verify password.

FMF0292E An unknown error has been detected. rc = *rc*

Explanation: An error occured without an error message. The return code, *rc*, is displayed.

System action: Processing ends.

User response: Retry the operation. If this error persists, contact your service representative.

FMF0300E Invalid restore type.

Explanation: The type of restore requested is invalid.

System action: Processing ends.

User response: Re-enter the command specifying a valid restore type.

FMF0301E Invalid backup type.

Explanation: The type of backup requested is invalid.

System action: Processing ends.

User response: Re-enter the command specifying a valid backup type.

FMF0351E Invalid trace keyword - '*keyword*'

Explanation: A TRACEFLAG option in the user configuration file or on the command line is incorrect.

System action: Client program did not initialize or tracing was not enabled in the applet.

User response: Correct the value.

FMF0357E Unable to open trace output file *file-name*.

Explanation: A TRACEFILE option in the user configuration file or on the command line used a directory path and *file-name* combination to which you do not have write access.

System action: Client program did not initialize.

User response: Change the TRACEFILE value so that it is a location to which you have write access.

FMF0366E Unable to close trace output file *file-name*.

Explanation: An error occurred during the closing of a trace output *file-name* (for example, not enough disk space).

System action: Processing continues.

User response: Check the options.doc file for a description of possible causes of the error, or see your system administrator.

FMF0367E Unable to write to trace file *tracefile*. Tracing disabled.

Explanation: An error occurred when writing to the specified *tracefile.*

System action: Tracing is disabled. Processing continues.

User response: Ensure the device that the *tracefile* access is available and has sufficient space for the tracefile. Retry the command.

FMF0368E Invalid trace file name (name too long).

Explanation: A TRACEFILE option in the preferences files used a file name that is too long.

System action: Client program did not initialize.

User response: Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMF0383E Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation: Trace file '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response: Specify the trace file location with the 'tracefile' option.

FMF0384E Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response: Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMF0385E Unable to delete symbolic link '*link*'.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: Processing stops.

User response: Delete the symbolic link '*linkname*'.

FMF0476E *program-name*: cannot open file *file-spec*: *error*.

Explanation: FCM cannot open the file.

System action: FCM cannot complete the requested operation.

User response: Retry the operation. If the problem continues, check with your system administrator.

FMF0487E Specifying the error log '*link*' as a symbolic link is not allowed.

Explanation: Error log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the error log is recreated, and processing stops.

User response: Check the location of the new error log. To specify the location of the error logs, refer to the user's manual for the 'errorlogname' option and 'DSM_LOG' environmental variable.

FMF0488E Initialization functions cannot open the error log: *log-name*. errno = *errno-value*,

Explanation: The file *log-name* could not be opened during initialization. The system set the error code *errno-value*. If the reason given is "access denied," the

current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write. You may also use the ERRORLOGNAME option to specify a file to which the current has write permission.

FMF0495E **Failure writing to a Tivoli Storage Manager log or log-related file:** *file-name*, **errno =** *errno-value*, *reason*

Explanation: A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

FMF0496I **FCM is converting the** *log-file* **from continuous (pruning) mode to wrapping mode. This process may take several minutes.**

Explanation: The *log-file* was previously in continouos mode where the only size control was through the use of ERRORLOGRETENTION or SCHEDLOGRETENTION option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is specified for this log, so its format must be changed and old data saved.

System action: Transition processing continues.

User response: None.

FMF0497I **FCM is converting the** *log-file* **from wrapping mode to continuous (pruning) mode. This process may take several minutes.**

Explanation: The *log-file* was previously in wrapping mode where the size control was through the use of the ERRORLOGMAX or SCHEDLOGMAX option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is not specified for this log, so its format must be changed and old data saved.

System action: Transition processing continues.

User response: None.

FMF0498I *count* **log records processed.**

Explanation: This is just a progress report to let you know the process is still ongoing.

System action: Transition processing continues.

User response: None.

FMF0501E **Invalid Proxy Configuration Detected: Target Node '***targetnode***' is not listed as a valid node to proxy to for Node Name '***nodename***'.**

Explanation: The proxy node configuration on the FCM Server is not correct to support this VSS operation.

System action: The VSS operation stops.

User response: Contact the FCM Server administrator to have the correct FCM Server GRANT PROXY commands issued to enable proxy authority for the nodes. If the error persists, contact your service representative.

FMF0515E **Invalid DSMAGENT Node configuration found for node '***dsmagentnode***'.**

Explanation: The DSMAGENT Node specified is not configured properly.

System action: The VSS operation stops.

User response: Verify that the DSMAGENT Node specified is correct and that the Client Acceptor Daemon (CAD) is running for the DSMAGENT Node. If the error persists, contact your service representative.

FMF0516I **The Windows console event handler received a '***event***' console event.**

Explanation: A console event was received by one of the IBM Tivoli Storage Manager processes or programs. The following events can be recevied:

- Ctrl-C - This indicates either the user entered the ctrl-c sequence or that one of the Windows services was stopped.

System action: None.

User response: None.

FMF0517I **An unexpected error was encountered. FCM function name :** *function-name* **FCM function :** *function-desc* **FCM return code :** *TSM-rc* **FCM file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Contact the FCM administrator with the information provided in this message.

FMF0518E Backups selected for restore must have the same backup location (TSM or LOCAL).

Explanation: A VSS restore operation was submitted that specified multiple backup objects. The backup objects chosen had different backup locations. This is not allowed. All backup objects submitted in the same VSS restore operation must have the same backup location, either TSM or LOCAL, but not both.

System action: The VSS restore operation stops.

User response: Retry the VSS restore operation specifying one backup object at a time.

FMF0519E The VSS operation failed with rc = *returncode*.

Explanation: There was a failure when FCM performed the VSS operation.

System action: The VSS operation stops.

User response: Verify that the FCM Client Acceptor Daemon (CAD) is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

FMF0520E Failed to connect to Local DSMAGENT Node '*localdsmagentnode*' at address:port '*address*:*portnumber*'. Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly.

Explanation: An attempt was made to connect to the TSM Client Acceptor Daemon (CAD) running on the local machine. A communication error occurred when this connection was attempted.

System action: The operation stops.

User response: In order to perform VSS operations, you must have a TSM Client Acceptor Daemon (CAD) and a TSM Remote Client Agent Service (DSMAGENT) installed and configured properly. In addition, the TSM Client Acceptor Daemon (CAD) must be running. Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly on the local machine. If the error persists, contact your service representative.

FMF0521E Pruning functions cannot open one of the Tivoli Storage Manager prune files: *log-name*. errno = *errno-value*,

Explanation: The file "*log-name*" could not be opened during pruning. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another Tivoli Storager Manager process started by different user id is performing pruning at the same time.

System action: Pruning stops, processing continues.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

FMF0522E DIAG:

Explanation: The message text is provided for diagnostic purposes and is meant to provide information to IBM support in problem determination.

System action: None.

User response: None.

FMF0524S Error '*errtxt*' (errno=*errno*) occurred trying to write to audit log '*file-name*'. The audit log function is disabled.

Explanation: There was an error encountered writing to the audit log (for example, there is not enough space on the disk).

System action: Audit logging is disabled for the rest of the operation. The return code for the operation is set to 12 to indicate that the contents of the audit log are incomplete.

User response: If this is an out of space condition either free up space on the volume or try to write the audit log to a volume with more space.

FMF0555E Invalid number of snapshots:

Explanation:

System action: Policy was not created.

User response: Specify a number in the range: range: 1...9999 or NOLimit

---

FMF0556E Invalid number of days:

Explanation:

System action: The Policy was not created.

User response: Specify a number in the range: range: 0...9999 or NOLimit

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FMF0571E The specified policy was not found: '*policy*'

Explanation:

System action:

User response: Please make sure that the specified policy exists.

FMF0572E **The specified policy already exists: '*policy*'**

Explanation:

System action: Policy was not created.

User response: Enter a different name for the policy.

FMF0573E **The specified policy could not be updated: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMF0574E **The specified policy could not be deleted: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMF0575E **The specified policy could not be created: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMF0576I **There were no items found.**

Explanation: The query completed successfully, but no results were found.

System action: None.

User response: Change the specified search criteria.

FMF0581E **Volume *volume-name* could not be locked.**

Explanation: The system call to lock the volume failed.

System action: Processing stopped.

User response: Please verify that no other application is accessing the volume. During restore of an image FCM must have exclusive use of the volume.

FMF0583E **Invalid name of policy specified. Valid input characters include alphanumeric charaters and underscore.**

Explanation:

System action: Policy was not created.

User response: Please specify a valid name.

FMF0585E **Unable to connect to the TSM Client Acceptor Daemon (CAD).**

Explanation: Possible causes of this message include: The TSM Client Acceptor Daemon (CAD) is not running. The VSSALTSTAGINGDIR option setting in the TDP option file is not set to the same value as the VSSALTSTAGINGDIR option setting in the IBM Tivoli Storage Manager Remote Client Agent Service (DSMAGENT) option file. They must be set to the same value for successful TDP operations.

System action: The VSS operation stops.

User response: Ensure that the TSM Client Acceptor Daemon (CAD) is running. Ensure that the VSSALTSTAGINGDIR option setting in the TDP option file is set to the same value as the VSSALTSTAGINGDIR option setting in the IBM Tivoli Storage Manager Remote Client Agent Service (DSMAGENT) option file. After correcting the VSSALTSTAGINGDIR option inconsistency, retry the TDP operation.

FMF0588E **The value for the BACKUPDESTination option is not allowed. IBM Tivoli Storage Manager is only licensed to run data protection operations to a FlashCopy Manager server. It is not licensed to backup or to restore locally managed snapshots.**

Explanation: The value for the configuration option is not allowed. The only allowed value is TSM. IBM Tivoli Storage Manager is only licensed to run data protection operations to a FlashCopy Manager server. It is not licensed to backup or to restore locally managed snapshots.

System action: Processing ends.

User response: Set the backup destination to TSM. In order to create and restore local VSS backups it is required to use and install a fully-featured valid license or to purchase an upgrade, and install Tivoli Storage FlashCopy Manager. If you use IBM Tivoli Storage Manager for Copy Services it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services.

FMF0589E **You are not allowed to set REMOTEDSMAGentnode option. IBM Tivoli Storage Manager is not licensed to perform offloaded VSS backups.**

Explanation: The REMOTEDSMAGentnode option is used to perform offloaded VSS backups.

System action: The operation stops.

User response: In order to perform offloaded VSS backups install a valid fully-featured license. If you use IBM Tivoli Storage Manager for Copy Services it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services. Contact your service representative to find out purchase details.

FMF0590E **A Data Protection communication error with the Tivoli Storage Manager server has occurred.**

Explanation: Communications with the Tivoli Data Protection server has been lost.

System action: The operation stops.

User response: Correct the TCP/IP communications error with the Tivoli Storage Manager server and retry the operation.

FMF0591I **Data Protection communications with the Tivoli Storage Manager server has been successfully recovered.**

Explanation: Communications with the Tivoli Data Protection server has been successfully recovered.

System action: None.

User response: Continue with normal operations.

FMF0592E **The Data Protection TCP/IP session with the Tivoli Storage Manager server was canceled.**

Explanation: The Data Protection TCP/IP session with the Tivoli Storage Manager server was cancelled.

System action: The operation stops.

User response: Correct the reason the Tivoli Storage Manager server administrator cancelled the session and retry the operation.

FMF0593E **IBM Tivoli Storage Manager is not licensed to perform offloaded VSS backups.**

Explanation: Currently installed license does not allow to perform offloaded VSS backups. In order to use this feature it is necessary to install a valid fully-featured license.

System action: The operation stops.

User response: In order to perform offloaded VSS backups install a valid fully-featured license. If you use IBM Tivoli Storage Manager for Copy Services it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services. Contact your service representative to find out purchase details.

FMF0594E **You cannot perform offloaded VSS backups in TSM Server independent environment.**

Explanation: OFFLOAD option is not available in TSM Server independent environment.

System action: The operation stops.

User response: In order to perform offloaded VSS backups you have to configure Tivoli Storage FlashCopy Manager to manage snapshot backups using a Tivoli Storage Manager server. To do this you can use Tivoli Storage Manager configuration wizard.

FMF0595E **The options file '*optfile*' does not exist. It is required for proper operation.**

Explanation: The specified TSM API options file could not be found. It is required in order to complete the command.

System action: Processing ends.

User response: Make sure to complete FlashCopy Manager configuration and try the operation again.

FMF0598E **The application cannot run in safe mode.**

Explanation: The application requires either Services or Drivers that are not available when running in safe mode.

System action: The application processing stops.

User response: Restart the system using the normal startup. When the system is started, run the application.

FMF0599E **The application cannot establish a remote powershell connection.**

Explanation: The application attempted to establish a remote powershell connection. The operation failed.

System action: The application processing stops.

User response: Verify you are using the correct credentials. For more information, see the Microsoft about_Remote_Troubleshooting Help topic.

FMF0601E **There is a problem that causes processing to stop. To identify the source of the problem and the solution, look for details in the service level trace file.**

Explanation: This problem occurs when either the local or remote Powershell cmdlet or script reports an error. Details about the error are not available until more trace file information is analyzed.

System action: Application processing stops.

User response: To identify the problem, look for information in the service level trace files. For more information about viewing trace files, see the Troubleshooting section of the technical documentation provided with the software.

FMF5814E **Invalid command. FCM for Windows does not support OFFLOAD with the combination specified for backup destination and version of Windows.**

Explanation: The OFFLOAD option was specified with an unsupported backup destination. FCM for Windows only supports offload with a backup destination of TSM, or if running on a Windows Server 2008 or later, backup destination TSM or BOTH.

System action: The backup operation is canceled.

User response: Retry the VSS offloaded backup operation specifying a valid backup destination.

FMF5815E **Invalid command. FCM for Windows does not support INTO option with the specified backup destination of LOCAL.**

Explanation: The INTO option was specified with an unsupported backup destination. FCM for Windows only supports INTO with a backup destination of TSM.

System action: The restore operation is canceled.

User response: Retry the VSS restore into operation specifying a valid backup destination.

FMF5816E **Invalid command. The INTO option only supports one restore component per command.**

Explanation: The INTO option was specified with multiple restore components. FCM for Windows only supports INTO with a single restore component.

System action: The restore operation is canceled.

User response: Retry the VSS restore into operation specifying only one restore component.

FMF5817E **The volume/mount point specified in the INTO option is not valid.**

Explanation: The INTO option was specified with an invalid value.

System action: The restore operation is canceled.

User response: Retry the VSS restore INTO operation specifying a valid INTO value.

FMF5945E **The following mount point is used as a mapped network share for '***share-name***': '***drive-letter***'.**

Explanation: When a backup is mounted over a mapped network drive letter, the files on the mounted snapshot cannot be accessed using that drive letter.

System action: The operation stops.

User response: Specify an unassigned drive letter or mount point directory.

FMF5956I **The *logfile* log file could not be pruned. Processing will continue.**

Explanation: An attempt to prune the log was unsuccessful.

System action: Processing continues.

User response: The log file may not exist. If the log file exists, view the log for indications of possible problems.

FMF5957I **The *logfile* log file was pruned successfully.**

Explanation: The log file mentioned pruned successfully.

System action: Processing continues.

User response: None.

FMF5970I **The operation was canceled by the user.**

Explanation: The user has requested that the operation be canceled.

System action: Processing ends.

User response: None

FMF5976E **An error was encountered with FlashCopy Manager API initialization, rc = *returncode*. Examine the dsierror.log for more information or determine if the FCM API is installed properly.**

Explanation: An attempt was made to run setup for the FCM API. However, errors were encountered.

System action: Processing continues.

User response: Examine the dsierror.log file to determine the problem. If this file does not exist, it is possible that the FCM API is not installed properly. If this is the case, reinstall the FCM API and try running the command again.

FMF5989E No components were found that match the criteria specified.

Explanation: None of the items specified match the components found on this machine.

System action: Processing ends.

User response: Correct the component specification and try the operation again.

FMF5990E There were no backups found that match the criteria specified.

Explanation: There are no backups found on the FlashCopy Manager server for the specified criteria.

System action: Processing ends.

User response: Correct the backup specification and try the operation again.

FMF6011E The configuration file specified cannot be found.

Explanation: The file specified in the /configfile parameter cannot be found.

System action: Processing stops.

User response: Ensure the correct file name is specified.

FMF6012I The configuration file specified cannot be found. Creating configuration file '*configfile*' with default settings.

Explanation: The file specified in the /configfile parameter cannot be found. The file specified gets created with default settings.

System action: Processing continues.

User response: None

FMF6013E Mount backup command failed. The mount point and or backup specified is invalid. Please refer to dsmerror.log for further details.

Explanation: The mount backup command failed. The backup specified may already be mounted and or the drive to map to may already be in used

System action: Processing stops

User response: Check to make sure that the backup specified is not already mounted and that the drive to map to is available.

FMF6014E Unmount backup command failed. Please refer to dsmerror.log for further details.

Explanation: The unmount backup command failed. The backup specified may not be mounted.

System action: Processing stops

User response: Check to make sure that the backup specified is mounted.

FMF6015E Invalid component list. Qualified and non-qualified objects can not be specified on the same command.

Explanation: A command was specified with a component list that contained qualifed and non-qualified objects. This is not valid.

System action: The operation stops.

User response: Enter the command again with a component list that contains all qualified or all non-qualified objects.

FMF6016E Conflicting arguments found. Point in Time options can not be specified on the same command as qualified objects.

Explanation: A command was specified with the point in time option and a component list that contained one or more qualifed objects. This is not valid.

System action: The operation stops.

User response: Correct the syntax and retry the operation.

FMF6017E An invalid duplicate object, '*object*', was found in the component list. This is not valid on a RESTORE operation.

Explanation: A command was specified with a component list that contained duplicate objects. RESTORE operations do not support this.

System action: The operation stops.

User response: Correct the syntax and retry the operation.

FMF6018E FlashCopy Manager was not able to obtain VSS component information.

Explanation: An error occurred when attempting to enumerate the VSS components for the operation. This could be the result of a VSS Requestor or VSS Writer error.

System action: The operation stops.

User response: Stop the TSM Remote Client Agent Windows service then stop and restart the TSM Client Acceptor Windows service. After that, retry the

operation. If the problem persists, refer to the dsmerror.log file, the dsierror.log file, and/or the Windows Event Log for further details on the error.

FMF6019E **In the component list that is specified, the following object is not valid: '*object*'.**

Explanation: The command that is entered includes a component list. The list of components contains one or more invalid objects. For example, when entering a BACKUP or RESTORE command, if the component list includes a volume or mount point that is not valid or is not eligible for back up, this message is displayed. In addition, the GUID volume name cannot be specified. For RESTORE, MOUNT BACKUP, or DELETE BACKUP commands, this message is displayed if the component list contains a backup specification that is not found in the backup inventory.

System action: The operation stops.

User response: Verify the correct syntax is used when entering the command. If the message is displayed again, verify the volume and mount point names are correctly identified. A misspelling can trigger this message.

FMF6020I **The configuration file cannot be read. Creating configuration file '*configfile*' with default settings.**

Explanation: The file specified gets created with default settings.

System action: Processing continues.

User response: None

FMF6021E **The value for the *preference* preference is not valid. See the FCMCLI HELP UPDATE/INSERT output or the User's Guide for valid command parameters.**

Explanation: The preference being set is not valid.

System action: Processing ends.

User response: You can either run the command "fcmcli help update" or view the User's Guide for valid UPDATE command parameters.

FMF6026E **PASSWORDACCESS is Generate. Either the stored password is incorrect or there is no stored password. If you do not have a stored password, use the -TSMPassword=xxx option to set and store your password.**

Explanation: The PASSWORDACCESS option is set to generate in the client options file. However, no password is stored. An initial password needs to be stored.

System action: Processing ends.

User response: Invoke the command again using the -TSMPassword option. Any subsequent commands should now complete without specifying a password.

FMF6030E **The FlashCopy Manager VSS Fast Restore operation failed to restore the volume. Examine the FCMFSFR.LOG file for more details on the failure.**

Explanation: FlashCopy Manager attempted to perform a file-level copy of all files from the snapshot backup to the original source volume. There was a failure during the file-level copy operation. This can be caused by locked files or files that are in use by the operating system.

System action: Processing ends.

User response: Examine the FCMFSFR.LOG file that is located in the FlashCopy Manager installation directory for specific details on the error. If you are not able to perform the VSS Fast Restore operation successfully, access the backup using the FCMCLI MOUNT command or the equivalent function in the MMC interface. After mounting the backup, use Windows Explorer or other operating system commands to copy the needed files.

FMF6031E **The option /BACKUPDESTINATION is invalid when performing data protection operations using a FlashCopy Manager virtual server.**

Explanation: Data protection commands default to /BACKUPDESTINATION=LOCAL when performed against a FlashCopy Manager virtual server. The FlashCopy Manager supports no other values for this option. As a result it is no longer necessary to specify this parameter. For compatibility with other products values for /BACKUPDESTINATION can be specified as long as this is set to its only valid value. This means that /BACKUPDESTINATION option can only be set to LOCAL value.

System action: The operation stops.

User response: Retry the command removing the /BACKUPDESTINATION option.

Chapter 4. FMX messages

Messages with prefix FMX are issued by the IBM Tivoli Storage FlashCopy Manager for Microsoft Exchange Server. Tivoli Storage FlashCopy Manager V4.1 FMX messages are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMX0003S An internal processing error has occurred.

Explanation: An internal processing error has occurred.

System action: Processing ends.

User response: Retry the operation. If this error persists, contact your service representative.

FMX0004E An unknown error has been detected.

Explanation: An internal processing error has occurred that prevents the generation of a message for a return code.

System action: Processing continues.

User response: Retry the operation. If this error persists, contact your service representative.

FMX0005E Out of memory. Stop other processes and try the operation again.

Explanation: The machine has run out of memory.

System action: Processing continues.

User response: Close unnecessary processes and try the operation again.

FMX0053E License file (*licensefile*) could not be opened.

Explanation: An attempt to read from the license file failed.

System action: Processing ends.

User response: Install the product again. This ensures that the correct license file is installed.

FMX0054E Read failure on license file (*licensefile*).

Explanation: An attempt was made to read from the license file. This attempt failed.

System action: Processing ends.

User response: Reinstall the product. This will ensure that the correct license file is installed.

FMX0055E Write failure on license file (*licensefile*).

Explanation: An attempt to write to the license file failed.

System action: Processing ends.

User response: Make sure enough space exists on the workstation to write to the license file. If enough space exists, run the command again.

FMX0056E Data in the license file (*licensefile*) is not in a valid format.

Explanation: An attempt to read information from the license file failed.

System action: Processing ends.

User response: Install the product again.

FMX0057E The checksum in the license file (*licensefile*) does not match the license string text.

Explanation: An attempt was made to read information from the license file. The checksum was not valid so it appears that the license file is not at the correct level.

System action: Processing ends.

User response: Reinstall the product.

FMX0058E The 'Try and Buy' license has expired.

Explanation: This 'Try and Buy' license that was detected has expired.

System action: Processing ends.

User response: This product is no longer valid for use. A valid license must be obtained before running the product.

FMX0100E Incomplete command:

Explanation: This message displays the incomplete command that was entered.

System action: Processing ends.

User response: Re-enter the complete command.

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FMX0101E Invalid argument:

Explanation: This message displays the command that was entered, up to and including the invalid command or option argument that was detected.

System action: Processing ends.

User response: Re-enter the command specifying a valid argument for the command or option.

FMX0102E Invalid command:

Explanation: This message displays the invalid command that was entered.

System action: Processing ends.

User response: Re-enter a valid command.

FMX0103E Invalid option for the specified command:

Explanation: This message displays the command that was entered, up to and including the option that was detected as invalid for the command.

System action: Processing ends.

User response: Re-enter the command specifying valid command options.

FMX0104E Invalid option:

Explanation: This message displays the command that was entered, up to and including the invalid option that was detected.

System action: Processing ends.

User response: Re-enter the command specifying valid command options.

FMX0105E Missing argument:

Explanation: This message displays the command that was entered, up to and including the command or option whose required argument is missing.

System action: Processing ends.

User response: Re-enter the command specifying a valid argument for the command or option.

FMX0132W Tracing could not be started. Processing will continue.

Explanation: A problem prevented tracing from beginning.

System action: Processing will continue with the command entered.

User response: Refer to the other messages that display with this message to determine the problem.

FMX0133W Could not locate installation directory. Attempting to continue...

Explanation: An attempt was made to read the registry to determine where the Tivoli Data Protection application client was installed. This attempt failed.

System action: Processing will continue with the command entered.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMX0134W Could not locate log directory. Processing will continue...

Explanation: An attempt was made to read the registry to determine where the Tivoli Data Protection application client log is located. This attempt failed.

System action: Processing will continue with the command entered.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMX0150I Operation canceled by user.

Explanation: The user has requested that the Data Protection for Microsoft Exchange Server application client end by entering ctrl-C.

System action: Processing ends.

User response: None

FMX0151E Errors occurred while processing the request.

Explanation: Attempting to process the request entered, an error occurred.

System action: Processing ends.

User response: Attempt to determine the source of the errors from viewing the log file. Correct the problems and try running the command again.

FMX0152I Performance stats: *seconds* **seconds spent in** *apicall* **API calls**

Explanation: The indicated number of seconds were spent making API calls for the indicated system.

System action: Processing continues.

User response: None

FMX0153I **Performance stats:** *seconds* **seconds spent in** *function*

Explanation: The indicated number of seconds were spent the named function.

System action: Processing continues.

User response: None

FMX0154E **The Data Protection for Microsoft Exchange Server application client cannot work with the version of the Tivoli Storage Manager API you have installed. Please install version** *version.release.level* **or greater.**

Explanation: The version of the Tivoli Storage Manager API currently installed on the system is older than the version used to build the Data Protection for Microsoft Exchange Server application client.

System action: Processing ends.

User response: Install a version of the Tivoli Storage Manager API at or later than the indicated level. A copy is distributed with the Data Protection for Microsoft Exchange Server application client.

FMX0155E **The Data Protection for Microsoft Exchange Server application client cannot work with the release of Tivoli Storage Manager API you have installed. Please install release** *version.release.l evel* **or greater.**

Explanation: The release of the Tivoli Storage Manager API currently installed on the system is older than the release used to build the Data Protection for Microsoft Exchange Server application client.

System action: Processing ends.

User response: Install a release of the Tivoli Storage Manager API at or later than the indicated level. A copy is distributed with the Data Protection for Microsoft Exchange Server application client.

FMX0156E **Could not load the Tivoli Storage Manager API.**

Explanation: The Tivoli Storage Manager API could not be loaded.

System action: Processing ends.

User response: Ensure the Tivoli Storage Manager API is correctly installed. Run the Data Protection for Microsoft Exchange Server application client with the /TRACEFLAGS=API /TRACEFILE=filename options and view the tracefile to determine why it could not be loaded. Another possible cause is that the TSMAPI.DLL does not exist in the system directory. Re-install the Tivoli Storage Manager API, if this is the case.

FMX0160E **An authentication error occurred with your stored Tivoli Storage Manager password.**

Explanation: You were unable to log on to the Tivoli Storage Manager server due an authentication error.

System action: Processing stops.

User response: The stored Tivoli Storage Manager password may have become corrupted. Contact your Tivoli Storage Manager server administrator.

FMX0161E **Authentication error. The password entered is not valid. You are not logged on to the Tivoli Storage Manager server.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the correct Tivoli Storage Manager password and try again.

FMX0162E **The passwords entered do not match. Please enter them again.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the passwords again.

FMX0163E **The directory path needs to be fully-qualified.**

Explanation: The /intopath option was specified without a fully-qualified path.

System action: Processing stops.

User response: Enter the command again and specify a fully-qualified path in the /intopath option.

FMX0167E **The fully-qualified file name is too long.**

Explanation: An attempt was made to use a fully-qualified file name that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMX0200E **File (***filename***) could not be opened for reading.**

Explanation: An attempt was made to open a file for reading. This attempt failed.

System action: Processing ends.

User response: None

FMX0201E File (*filename*) could not be opened for writing.

Explanation: An attempt was made to open a file for writing. This attempt failed.

System action: Processing ends.

User response: None

FMX0202E Read failure on file (*filename*).

Explanation: An attempt was made to read from a file. This attempt failed.

System action: Processing ends.

User response: None

FMX0203E Write failure on file (*filename*).

Explanation: An attempt was made to write to a file. This attempt failed.

System action: Processing ends.

User response: None

FMX0204E File (*filename*) could not be closed.

Explanation: An attempt was made to close a file. This attempt failed.

System action: Processing ends.

User response: None

FMX0205E File (*filename*) statistics could not be obtained.

Explanation: An attempt was made to obtain file statistics. This attempt failed.

System action: Processing ends.

User response: None

FMX0206E Directory (*directory*) could not be created.

Explanation: An attempt was made to create a directory. This attempt failed.

System action: Processing ends.

User response: None

FMX0207E Directory path (*directorypath*) is too long.

Explanation: An attempt was made to use a directory path that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMX0208E There is not enough disk space for the operation attempted.

Explanation: An attempted operation required more disk space than was available. The attempt failed.

System action: Processing ends.

User response: None

FMX0209E The rename of file (*filename1*) to (*filename2*) failed.

Explanation: An attempt was made to rename a file. This attempt failed.

System action: Processing ends.

User response: None

FMX0210E The Tivoli Storage Manager high level qualifier is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager high level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMX0211E The Tivoli Storage Manager low level qualifier is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager low level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMX0212E The Tivoli Storage Manager filespace name is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager filespace name that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMX0213E The maximum number of objects allowed per Tivoli Storage Manager transaction is too small.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the Tivoli Storage Manager server in a single transaction. The Tivoli Storage Manager server has indicated that the maximum number of objects allowed per transaction is less than the minimum required by the Data Protection for Microsoft Exchange Server application client.

System action: Processing ends.

User response: Increase the maximum number of objects allowed per transaction on the Tivoli Storage Manager server and retry the operation.

FMX0214E The backup object's management class backup copy group does not exist.

Explanation: The Tivoli Storage Manager server has indicated that the backup object's management class backup copy group does not exist.

System action: Processing ends.

User response: Contact your Tivoli Storage Manager server administrator.

FMX0215E All backup objects do not have the same management class backup copy destination.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the Tivoli Storage Manager server within a single transaction. All backup objects within a single transaction are required to have the same management class backup copy destinations.

System action: Processing ends.

User response: Contact your Tivoli Storage Manager server administrator.

FMX0216E Unable to obtain space information for volume (*volumename*).

Explanation: An attempt was made to obtain space information for a volume. This attempt failed.

System action: Processing ends.

User response: None

FMX0217E The Tivoli Storage Manager filespace name is invalid.

Explanation: The filespace name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the filespace name length, characters, and directory delimeters are valid.

FMX0218E The Tivoli Storage Manager high level qualifier is invalid.

Explanation: The high level qualifier name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the high level qualifier name length, characters, and directory delimeters are valid.

FMX0219E The Tivoli Storage Manager low level qualifier is invalid.

Explanation: The low level qualifier name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the low level qualifier name length, characters, and directory delimeters are valid.

FMX0256E The password in your Tivoli Storage Manager options file has expired. Please change your password on the Tivoli Storage Manager server using the 'change password' command and then either change or remove the password value in your options file.

Explanation: Your Tivoli Storage Manager password has expired. You need to change your password.

System action: Processing ends.

User response: Obtain a new password for your Tivoli Storage Manager server; node using the change password command or by asking your Tivoli Storage Manager Administrator to change your password.

FMX0257E Your password has expired.

Explanation: Your Tivoli Storage Manager password has expired. A new password needs to be obtained.

System action: Processing ends.

User response: Obtain a new password for your Tivoli Storage Manager node using the change password command or by asking your Tivoli Storage Manager Administrator to change your password.

FMX0258E You did not enter a valid password. Processing ends.

Explanation: The password that was entered was not a valid password.

System action: Processing ends.

User response: Re-enter the command specifying a valid password.

FMX0259E The password you entered for verification does not match the password you entered for your new password. Your password will not be changed.

Explanation: The password you entered for verification of your new password does not match the new password that was entered.

System action: Processing ends.

User response: Try again to change your password being sure to enter the same password for the new password and for the verification password.

FMX0260I Password successfully changed.

Explanation: The change password command completed successfully

System action: Processing ends.

User response: None

FMX0261I There are no backups for the server named *servername***.**

Explanation: There are no backups on the Tivoli Storage Manager server for the specified server name.

System action: Processing ends.

User response: None

FMX0262E Errors occurred while processing the VSS operation. Examine the Windows Event Logs and DSMERROR.LOG for additional details.

Explanation: While attempting to process a VSS operation, an unexpected error occurred.

System action: Processing ends.

User response: Attempt to determine the source of the error by examining the Data Protection for Exchange log file, the TSM Client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable. Additional instructions for Windows VSS operations are located in the TSM Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

FMX0263E Failed to start Web browser with a return code of *returncode***.**

Explanation: An attempt was made to start the web browser to view the TSM HTML b ook. This attempt failed.

System action: Processing ends.

User response: Start your web browser manually and point it to bookfrm.htm in the agent htm directory.

FMX0264I Could not find the default browser defined. An attempt will be made to use Microsoft Internet Explorer.

Explanation: An attempt was made to read the registry to determine the default browser. However, a default browser is not defined. A determination will be made where Microsoft Internet Explorer is installed.

System action: Processing continues.

User response: It is possible that a default browser is not defined for the system. This is okay. An attempt will be made to use Microsoft Internet Explorer.

FMX0265E Could not find Internet Explorer.

Explanation: An attempt was made to read the registry to determine where Microsoft's Internet Explorer was installed. This attempt failed.

System action: Processing ends.

User response: Make sure that the registry is set up correctly for Internet Explorer.

FMX0266E Could not find the Tivoli Storage Manager HTML books.

Explanation: An attempt was made to read the registry to determine where the Tivoli Storage Manager books were installed. This attempt failed.

System action: Processing ends.

User response: It may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMX0267E The verify password entered does not match the new password entered.

Explanation: The verify password does not match the new password.

System action: Processing ends.

User response: Retry the command with a matching verify password.

FMX0292E An unknown error has been detected. rc = *rc*

Explanation: An error occured without an error message. The return code, *rc*, is displayed.

System action: Processing ends.

User response: Retry the operation. If this error persists, contact your service representative.

FMX0300E Invalid restore type.

Explanation: The type of restore requested is invalid.

System action: Processing ends.

User response: Re-enter the command specifying a valid restore type.

FMX0301E Invalid backup type.

Explanation: The type of backup requested is invalid.

System action: Processing ends.

User response: Re-enter the command specifying a valid backup type.

FMX0351E Invalid trace keyword - '*keyword*'

Explanation: A TRACEFLAG option in the user configuration file or on the command line is incorrect.

System action: Client program did not initialize or tracing was not enabled in the applet.

User response: Correct the value.

FMX0357E Unable to open trace output file *file-name*.

Explanation: A TRACEFILE option in the user configuration file or on the command line used a directory path and *file-name* combination to which you do not have write access.

System action: Client program did not initialize.

User response: Change the TRACEFILE value so that it is a location to which you have write access.

FMX0366E Unable to close trace output file *file-name*.

Explanation: An error occurred during the closing of a trace output *file-name* (for example, not enough disk space).

System action: Processing continues.

User response: Check the options.doc file for a description of possible causes of the error, or see your system administrator.

FMX0367E Unable to write to trace file *tracefile*. Tracing disabled.

Explanation: An error occurred when writing to the specified *tracefile.*

System action: Tracing is disabled. Processing continues.

User response: Ensure the device that the *tracefile* access is available and has sufficient space for the tracefile. Retry the command.

FMX0368E Invalid trace file name (name too long).

Explanation: A TRACEFILE option in the preferences files used a file name that is too long.

System action: Client program did not initialize.

User response: Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMX0383E Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation: Trace file '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response: Specify the trace file location with the 'tracefile' option.

FMX0384E Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response: Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMX0385E Unable to delete symbolic link '*link*'.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: Processing stops.

User response: Delete the symbolic link '*linkname*'.

FMX0476E *program-name*: cannot open file *file-spec*: *error*.

Explanation: DP cannot open the file.

System action: DP cannot complete the requested operation.

User response: Retry the operation. If the problem continues, check with your system administrator.

FMX0487E Specifying the error log '*link*' as a symbolic link is not allowed.

Explanation: Error log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the error log is recreated, and processing stops.

User response: Check the location of the new error log. To specify the location of the error logs, refer to the user's manual for the 'errorlogname' option and 'DSM_LOG' environmental variable.

FMX0488E **Initialization functions cannot open the error log:** *log-name***. errno =** *errno-value***,**

Explanation: The file *log-name* could not be opened during initialization. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write. You may also use the ERRORLOGNAME option to specify a file to which the current has write permission.

FMX0495E **Failure writing to a Tivoli Storage Manager log or log-related file:** *file-name***, errno =** *errno-value***,** *reason*

Explanation: A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

FMX0496I **DP is converting the** *log-file* **from continuous (pruning) mode to wrapping mode. This process may take several minutes.**

Explanation: The *log-file* was previously in continouos mode where the only size control was through the use of ERRORLOGRETENTION or SCHEDLOGRETENTION option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is specified for this log, so its format must be changed and old data saved.

System action: Transition processing continues.

User response: None.

FMX0497I **DP is converting the** *log-file* **from wrapping mode to continuous (pruning) mode. This process may take several minutes.**

Explanation: The *log-file* was previously in wrapping mode where the size control was through the use of the ERRORLOGMAX or SCHEDLOGMAX option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is not specified for this log, so its format must be changed and old data saved.

System action: Transition processing continues.

User response: None.

FMX0498I *count* **log records processed.**

Explanation: This is just a progress report to let you know the process is still ongoing.

System action: Transition processing continues.

User response: None.

FMX0501E **Invalid Proxy Configuration Detected: Target Node '***targetnode***' is not listed as a valid node to proxy to for Node Name '***nodename***'.**

Explanation: The proxy node configuration on the TSM Server is not correct to support this VSS operation.

System action: The VSS operation stops.

User response: Contact the TSM Server administrator to have the correct TSM Server GRANT PROXY commands issued to enable proxy authority for the nodes. If the error persists, contact your service representative.

FMX0515E **Invalid DSMAGENT Node configuration found for node '***dsmagentnode***'.**

Explanation: The DSMAGENT Node specified is not configured properly.

System action: The VSS operation stops.

User response: Verify that the DSMAGENT Node specified is correct and that the Client Acceptor Daemon (CAD) is running for the DSMAGENT Node. If the error persists, contact your service representative.

FMX0516I **The Windows console event handler received a '***event***' console event.**

Explanation: A console event was received by one of the Data Protection for Microsoft Exchange Server processes or programs. The following events can be recevied:

- Ctrl-C - This indicates either the user entered the ctrl-c sequence or that one of the Windows services was stopped.

System action: None.

User response: None.

FMX0517I **An unexpected error was encountered. DP function name :** *function-name* **DP function :** *function-desc* **DP return code :** *TSM-rc* **DP file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Contact the DP administrator with the information provided in this message.

FMX0518E Backups selected for restore must have the same backup location (TSM or LOCAL).

Explanation: A VSS restore operation was submitted that specified multiple backup objects. The backup objects chosen had different backup locations. This is not allowed. All backup objects submitted in the same VSS restore operation must have the same backup location, either TSM or LOCAL, but not both.

System action: The VSS restore operation stops.

User response: Retry the VSS restore operation specifying one backup object at a time.

FMX0519E The VSS operation failed with rc = *returncode***.**

Explanation: There was a failure when TSM performed the VSS operation.

System action: The VSS operation stops.

User response: Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

FMX0520E Failed to connect to Local DSMAGENT Node '*localdsmagentnode***' at address:port '***address***:***portnumber***'. Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly.**

Explanation: An attempt was made to connect to the TSM Client Acceptor Daemon (CAD) running on the local machine. A communication error occurred when this connection was attempted.

System action: The operation stops.

User response: In order to perform VSS operations, you must have a TSM Client Acceptor Daemon (CAD) and a TSM Remote Client Agent Service (DSMAGENT) installed and configured properly. In addition, the TSM Client Acceptor Daemon (CAD) must be running. Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly on the local machine. If the error persists, contact your service representative.

FMX0521E Pruning functions cannot open one of the Tivoli Storage Manager prune files: *log-name***. errno =** *errno-value***,**

Explanation: The file "*log-name*" could not be opened during pruning. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another Tivoli Storager Manager process started by different user id is performing pruning at the same time.

System action: Pruning stops, processing continues.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

FMX0522E DIAG:

Explanation: The message text is provided for diagnostic purposes and is meant to provide information to IBM support in problem determination.

System action: None.

User response: None.

FMX0524S Error '*errtxt***' (errno=***errno***) occurred trying to write to audit log '***file-name***'. The audit log function is disabled.**

Explanation: There was an error encountered writing to the audit log (for example, there is not enough space on the disk).

System action: Audit logging is disabled for the rest of the operation. The return code for the operation is set to 12 to indicate that the contents of the audit log are incomplete.

User response: If this is an out of space condition either free up space on the volume or try to write the audit log to a volume with more space.

FMX0555E Invalid number of snapshots:

Explanation:

System action: Policy was not created.

User response: Specify a number in the range: range: 1...9999 or NOLimit

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FMX0556E Invalid number of days:

Explanation:

System action: The Policy was not created.

User response: Specify a number in the range: range: 0...9999 or NOLimit

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FMX0571E **The specified policy was not found: '*policy*'**

Explanation:

System action:

User response: Please make sure that the specified policy exists.

FMX0572E **The specified policy already exists: '*policy*'**

Explanation:

System action: Policy was not created.

User response: Enter a different name for the policy.

FMX0573E **The specified policy could not be updated: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMX0574E **The specified policy could not be deleted: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMX0575E **The specified policy could not be created: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMX0576I **There were no items found.**

Explanation: The query completed successfully, but no results were found.

System action: None.

User response: Change the specified search criteria.

FMX0581E **Volume *volume-name* could not be locked.**

Explanation: The system call to lock the volume failed.

System action: Processing stopped.

User response: Please verify that no other application is accessing the volume. During restore of an image DP must have exclusive use of the volume.

FMX0583E **Invalid name of policy specified. Valid input characters include alphanumeric charaters and underscore.**

Explanation:

System action: Policy was not created.

User response: Please specify a valid name.

FMX0585E **Unable to connect to the TSM Client Acceptor Daemon (CAD).**

Explanation: Possible causes of this message include: The TSM Client Acceptor Daemon (CAD) is not running. The VSSALTSTAGINGDIR option setting in the TDP option file is not set to the same value as the VSSALTSTAGINGDIR option setting in the Data Protection for Microsoft Exchange Server Remote Client Agent Service (DSMAGENT) option file. They must be set to the same value for successful TDP operations.

System action: The VSS operation stops.

User response: Ensure that the TSM Client Acceptor Daemon (CAD) is running. Ensure that the VSSALTSTAGINGDIR option setting in the TDP option file is set to the same value as the VSSALTSTAGINGDIR option setting in the Data Protection for Microsoft Exchange Server Remote Client Agent Service (DSMAGENT) option file. After correcting the VSSALTSTAGINGDIR option inconsistency, retry the TDP operation.

FMX0588E **The value for the BACKUPDESTination option is not allowed. Data Protection for Microsoft Exchange Server is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to backup or to restore locally managed snapshots.**

Explanation: The value for the configuration option is not allowed. The only allowed value is TSM. Data Protection for Microsoft Exchange Server is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to backup or to restore locally managed snapshots.

System action: Processing ends.

User response: Set the backup destination to TSM. In

order to create and restore local VSS backups it is required to use and install a fully-featured valid license or to purchase an upgrade, and install Tivoli Storage FlashCopy Manager. If you use Data Protection for Microsoft Exchange Server it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services - Microsoft Exchange VSS Integration Module.

FMX0589E **You are not allowed to set REMOTEDSMAGentnode option. Data Protection for Microsoft Exchange Server is not licensed to perform offloaded VSS backups.**

Explanation: The REMOTEDSMAGentnode option is used to perform offloaded VSS backups.

System action: The operation stops.

User response: In order to perform offloaded VSS backups install a valid fully-featured license. If you use Data Protection for Microsoft Exchange Server it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services - Microsoft Exchange VSS Integration Module. Contact your service representative to find out purchase details.

FMX0590E **A Data Protection communication error with the Tivoli Storage Manager server has occurred.**

Explanation: Communications with the Tivoli Data Protection server has been lost.

System action: The operation stops.

User response: Correct the TCP/IP communications error with the Tivoli Storage Manager server and retry the operation.

FMX0591I **Data Protection communications with the Tivoli Storage Manager server has been successfully recovered.**

Explanation: Communications with the Tivoli Data Protection server has been successfully recovered.

System action: None.

User response: Continue with normal operations.

FMX0592E **The Data Protection TCP/IP session with the Tivoli Storage Manager server was canceled.**

Explanation: The Data Protection TCP/IP session with the Tivoli Storage Manager server was cancelled.

System action: The operation stops.

User response: Correct the reason the Tivoli Storage Manager server administrator cancelled the session and retry the operation.

FMX0593E **Data Protection for Microsoft Exchange Server is not licensed to perform offloaded VSS backups.**

Explanation: Currently installed license does not allow to perform offloaded VSS backups. In order to use this feature it is necessary to install a valid fully-featured license.

System action: The operation stops.

User response: In order to perform offloaded VSS backups install a valid fully-featured license. If you use Data Protection for Microsoft Exchange Server it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services - Microsoft Exchange VSS Integration Module. Contact your service representative to find out purchase details.

FMX0594E **You cannot perform offloaded VSS backups in TSM Server independent environment.**

Explanation: OFFLOAD option is not available in TSM Server independent environment.

System action: The operation stops.

User response: In order to perform offloaded VSS backups you have to configure Tivoli Storage FlashCopy Manager to manage snapshot backups using a Tivoli Storage Manager server. To do this you can use Tivoli Storage Manager configuration wizard.

FMX0595E **The options file '*optfile*' does not exist. It is required for proper operation.**

Explanation: The specified TSM API options file could not be found. It is required in order to complete the command.

System action: Processing ends.

User response: Make sure to complete Tivoli Storage Manager configuration and try the operation again.

FMX0598E **The application cannot run in safe mode.**

Explanation: The application requires either Services or Drivers that are not available when running in safe mode.

System action: The application processing stops.

User response: Restart the system using the normal startup. When the system is started, run the application.

FMX0599E **The application cannot establish a remote powershell connection.**

Explanation: The application attempted to establish a remote powershell connection. The operation failed.

System action: The application processing stops.

User response: Verify you are using the correct credentials. For more information, see the Microsoft about_Remote_Troubleshooting Help topic.

FMX0601E **There is a problem that causes processing to stop. To identify the source of the problem and the solution, look for details in the service level trace file.**

Explanation: This problem occurs when either the local or remote Powershell cmdlet or script reports an error. Details about the error are not available until more trace file information is analyzed.

System action: Application processing stops.

User response: To identify the problem, look for information in the service level trace files. For more information about viewing trace files, see the Troubleshooting section of the technical documentation provided with the software.

FMX3500I **Data Protection for Exchange: Starting** *backup type* **backup of** *object name* **from server** *server name***.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a backup is started.

System action: None

User response: None **Centrally logged**

FMX3501I **Data Protection for Exchange:** *backup type* **backup of** *object name* **from server** *server name* **completed successfully.** *bytes* **bytes sent in** *seconds* **seconds.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a backup completes successfully.

System action: None

User response: None **Centrally logged**

FMX3502E **Data Protection for Exchange:** *backup type* **backup of** *object name* **from server** *server name* **failed, rc =** *return code***.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a backup fails.

System action: None

User response: None **Centrally logged**

FMX3503I **Data Protection for Exchange:** *backup type* **backup of** *storage group name* **from server** *server name* **was cancelled by the user.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a storage group backup was cancelled by the user.

System action: None

User response: None **Centrally logged**

FMX3504I **Data Protection for Exchange: Starting restore for server** *servername***.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the start of a restore.

System action: None

User response: None **Centrally logged**

FMX3505I **Data Protection for Exchange: Restore from server** *servername* **to** *servername* **is complete. Total backups restored: Total bytes transferred: Elapsed processing time: Secs Throughput rate: Kb/Sec**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the end of a restore.

System action: None

User response: None **Centrally logged**

FMX3506I **Data Protection for Exchange: Starting** *backup type* **restore of storage group** *storage group name* **to server** *server name***.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the start of a storage group restore.

System action: None

User response: None **Centrally logged**

FMX3507I **Data Protection for Exchange:** *backup type* **restore of storage group** *storage group name* **to server** *server name* **completed successfully.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a storage group restore completes successfully.

System action: None

User response: None **Centrally logged**

FMX3508E **Data Protection for Exchange:** *backup type* **restore of storage group** *storage group name* **to server** *server name* **failed, rc =** *return code***.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a storage group restore fails.

System action: None

User response: None **Centrally logged**

FMX3509I **Data Protection for Exchange:** *backup type* **restore of storage group** *storage group name* **to server** *server name* **was cancelled by the user.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a storage group restore was cancelled by the user.

System action: None

User response: None **Centrally logged**

FMX3510I **Data Protection for Exchange: Attempting to inactivate the object: filespace - [***filespace name***], hl - [***high level***], ll - [***low level***]**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the attempt to inactivate an object.

System action: None

User response: None **Centrally logged**

FMX3511I **Data Protection for Exchange: Inactivation of the previous objects succeeded.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the success of the inactivation of objects.

System action: None

User response: None **Centrally logged**

FMX3512E **Data Protection for Exchange: Inactivation of the previous objects failed.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the failure of the inactivation of objects.

System action: None

User response: None **Centrally logged**

FMX3513E **Data Protection for Exchange: Inactivation of the previous objects was canceled.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the failure of the inactivation of objects because the task was canceled by the user.

System action: None

User response: None **Centrally logged**

FMX3514I **Data Protection for Exchange: Starting backup for server** *servername***.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the start of a backup.

System action: None

User response: None **Centrally logged**

FMX3516I **Data Protection for Exchange: Backup of server** *servername* **is complete. Total storage groups backed up: Total bytes transferred: Elapsed processing time: Secs Throughput rate: Kb/Sec**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the end of a backup request.

System action: None

User response: None **Centrally logged**

FMX3517E **Data Protection for Exchange: Backup of server** *servername* **failed, rc =** *returncode***.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the failure of a backup request.

System action: None

User response: None **Centrally logged**

FMX3518I **Data Protection for Exchange: Backup of server** *servername* **failed. The request was canceled by the user.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the failure of a backup request. The user canceled the backup.

System action: None

User response: None **Centrally logged**

FMX3528E **Data Protection for Microsoft Exchange Server is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to back up or to restore using locally managed snapshots.**

Explanation: Currently installed license allows to create and restore only TSM VSS backups. In order to create backups and to restore local VSS backups, Data Protection for Exchange verifies that the Exchange Server supports VSS backup (that is, it is at least Exchange Server 2003), and that a valid fully-featured license is installed.

System action: The operation stops.

User response: In order to create and restore local VSS backups it is required to purchase and install a fully-featured valid license. NOTE: If you use Data Protection for Microsoft Exchange Server it is also required to use and install IBM Tivoli Storage Manager for Copy Services - Microsoft Exchange VSS Integration Module or to purchase an upgrade, and install Tivoli Storage FlashCopy Manager. If IBM Tivoli Storage Manager for Copy Services - Microsoft Exchange VSS Integration Module is installed, there will be a license file, \"acsexc.lic\", in the Data Protection for Microsoft Exchange Server installation directory.

FMX5050I **A new configuration file has been created.**

Explanation: The /configfile value specified a file name that does not exist. A new file has been created.

System action: Processing continues.

User response: None.

FMX5051I **The configuration file cannot be found, using default settings.**

Explanation: The /configfile value specified a file that cannot be found. Default settings will be used.

System action: Processing continues using default settings.

User response: Ensure that the configuration file exists, and enter the command again.

FMX5052E **An error occurred trying to set the** *preference* **preference.**

Explanation: An error occurred while writing to the preferences file.

System action: Processing ends.

User response: View any other messages that were displayed. Fix any of the problems indicated and enter the command again.

FMX5053E **The value for the** *preference* **preference is not valid. See the TDPEXCC HELP SET output or the User's Guide for valid SET command parameters.**

Explanation: The preference being set is not valid.

System action: Processing ends.

User response: Run the "tdpexcc help set" command or see the User's Guide for valid SET command parameters.

FMX5054I **The preference has been set successfully.**

Explanation: The preference was set successfully.

System action: Processing ends.

User response: None

FMX5055E **The Microsoft Exchange API could not be loaded.**

Explanation: If running on Microsoft Exchange 5.5, the dll that is attempting to load is edbbcli.dll. If running on a later version of Microsoft Exchange, the dll that is attempting to load is esebcli2.dll.

System action: Processing ends.

User response: Ensure that the Microsoft Exchange Server has been correctly installed.

FMX5056I **The** *logfile* **log file could not be pruned. Processing will continue.**

Explanation: An attempt to prune the log was unsuccessful.

System action: Processing continues.

User response: Ensure that the log file name is valid and that the log file exists. If a valid log file name was specified, view the log for indications of what the problem may be.

FMX5057I **The** *logfile* **log file has been pruned successfully.**

Explanation: The specified log file was pruned successfully.

System action: Processing continues.

User response: None.

FMX5058W **The length of the logf ile name is greater than the maximum allowed. Processing will continue using a log file name of** *logfile* **in the current directory.**

Explanation: The log file name entered was not fully qualified. When the fully qualified log file name was

created, it was longer than the maximum allowed length for a log file name.

System action: Processing continues creating and using a log file in the current directory.

User response: Update the log file name using a fully qualified path.

FMX5059W The *logfile* log file cannot be opened for writing. There will be no logging of events.

Explanation: The specified log file could not be opened for append and logging of events will not occur. The log file may be read-only or the log file name is not valid.

System action: Processing continues without logging.

User response: Determine why the log could not be opened. You may need to ensure that the log file is not read-only, or ensure that a valid drive or partition is specified in the log file name.

FMX5060E A Tivoli Storage Manager API error has occurred.

Explanation: A Tivoli Storage Manager API api error has occurred.

System action: Processing ends.

User response: Try the operation again. If the error persists, contact your service representative.

FMX5061E A Microsoft Exchange api error has occurred.

Explanation: A Microsoft Exchange api error has occurred.

System action: Processing ends.

User response: Try the operation again. If the error persists, contact your service representative.

FMX5062E The version of Microsoft Exchange that is running is not a supported version for IBM Tivoli Storage Manager for Mail.

Explanation: IBM Tivoli Storage Manager for Mail has detected a version of Microsoft Exchange Server that is not supported.

System action: Processing ends.

User response: Refer to the software requirements section of the product documentation to view a list of the supported versions of Microsoft Exchange Server. If the version of Microsoft Exchange Server running is a supported version, try the operation again. If the error persists, contact your service representative.

FMX5063E An error occurred trying to get the Microsoft Exchange version information. It could be a problem with the registry. Or, a Microsoft Exchange Server is not installed on this machine.

Explanation: An attempt was made to read the registry to determine the level of Microsoft Exchange that is currently running. This attempt failed.

System action: Processing ends.

User response: Determine if the registry has been corrupted. Also, ensure that the Microsoft Exchange Server is installed on this machine.

FMX5064W The *service* cannot be started when doing a restore.

Explanation: A request was made to restore the listed database. However, the service associated with this database has already started. The service needs to be stopped in order to do this restore.

System action: Processing ends.

User response: Stop the associated service and enter the restore command again.

FMX5065E All of the services associated with this restore are running.

Explanation: A request was made to restore several databases. However, all of the services associated with these databases are running. The services need to be stopped in order to do this restore.

System action: Processing ends.

User response: Stop the associated services and enter the restore command again.

FMX5066W The storage group <*storagegroup*> does not exist.

Explanation: The storage group that was entered that does not exist on the server specified.

System action: Processing ends.

User response: Enter the command specifying a storage group that exists.

FMX5067E The specified databases do not exist or have not been dismounted.

Explanation: The mailbox databases that were entered either do not exist on the Microsoft Exchange Server or have not been dismounted.

System action: Processing ends.

User response: Verify that the mailbox databases exist and that the databases have been dismounted before starting the restore.

FMX5068W The database <*databasename*> does not exist in the storage group <*storagegroup*>.

Explanation: The database that was entered does not exist in the storage group that was entered.

System action: Processing ends.

User response: Enter the command again specifying a valid database name that exists in a valid storage group.

FMX5069W The database <*database*> in the storage group <*storage group*> is not dismounted.

Explanation: While examining the list of databases to restore, it was determined that not all of the databases within the specified storage groups were dismounted.

System action: Processing continues skipping over the listed databases and storage groups.

User response: Ensure that the databases are dismounted and enter the command again.

FMX5070W The Directory Service is not running. The Directory will not be backed up.

Explanation: A request was made to backup the Directory service. However, the Directory service needs to be running in order to do the backup.

System action: Processing ends.

User response: Start the Directory service and enter the backup command again.

FMX5071W The Information Store is not running. The Information Store will not be backed up.

Explanation: A request was made to backup the Information Store. However, the Information Store needs to be running in order to do the backup.

System action: Processing ends.

User response: Start the Information Store and enter the backup command again.

FMX5072W Database <*component name*> is dismounted -- skipping.

Explanation: A request was made to back up a set of databases. However, some databases are not mounted. The databases need to be mounted for the backup to proceed.

System action: Processing continues, but the dismounted databases are skipped.

User response: Ensure that the database you want to back up is mounted.

FMX5073E None of the databases are backed up.

Explanation: The request to back up a set of databases could not be completed because at least one of the following conditions is true: 1) all of the databases are dismounted 2) a backup is in progress on another replica 3) a backup has been made more recently than specified by the /MINimumbackupinterval parameter

System action: Processing stops.

User response: Ensure that the database you want to back up is mounted, or another backup is not in progress, or change the /MINimumbackupinterval parameter.

FMX5074E The databases entered do not exist, or were entered with the wrong capitalization.

Explanation: A request was made to back up a set of databases that do not exist, or the database names might not have been entered using the correct capitalization.

System action: Processing stops.

User response: Check the capitalization and spelling of the databases and enter the backup command again.

FMX5076W Unable to inactivate all previous backup objects.

Explanation: A request to inactivate some previous backup objects failed.

System action: Processing ends.

User response: When the next full backup of the database is run, another attempt will be made to inactivate the failed objects.

FMX5083I All of the storage groups entered have been excluded.

Explanation: An attempt was made to do a backup. However, the storage groups or databases entered have been excluded by an exclude statement in the options file.

System action: Processing ends.

User response: If you want these storage groups or databases backed up, modify the exclude statements in your options file.

FMX5084W IS was not input as one of the parts to restore. The partial option will be ignored.

Explanation: A request was made to restore either the private or public part of the Information Store. However, the IS was not input as one of the parts to restore.

System action: Processing continues ignoring the partial option.

User response: To restore either the public or private part of the Information Store, enter IS as an input.

FMX5086W **None of the storage groups entered exist. Or, if doing a DBCOPY backup, the database entered does not exist.**

Explanation: A storage group was entered that does not exist on the server specified. Or, if a DBCOPY backup was entered, the dbname specified does not exist on the Microsoft Exchange Server.

System action: Processing ends.

User response: Enter the command specifying a storage group or dbname that exists.

FMX5087E **The PASSWORDACCESS parameter is set to GENERATE, but either the stored password is incorrect or there is no stored password. If you do not have a stored password, use the -TSMPassword=xxx option to set and store your password.**

Explanation: The client options file has the PASSWORDACCESS option set to GENERATE. Currently, there is no password stored. An initial password must be stored.

System action: Processing stops.

User response: Enter the command again using the -TSMPassword option. After doing so,subsequent commands will not require a password.

FMX5135I **Data Protection for Exchange: Backup of server** *servername* **is complete. Total storage groups backed up: Total storage groups deduplicated: Total bytes inspected: Total bytes transferred: Total LanFree bytes transferred: Total bytes before deduplication: Total bytes after deduplication: Data compressed by: %% Deduplication reduction: %% Total data reduction ratio: %% Elapsed processing time: Secs Throughput rate: Kb/Sec**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the end of a backup request.

System action: None

User response: None **Centrally logged**

FMX5136I **Data Protection for Exchange: Restore from server** *servername* **to** *servername* **is complete. Total backups restored: Total bytes transferred: Total LanFree bytes transferred: Elapsed processing time: Secs Throughput rate: Kb/Sec**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log indicating the end of a restore.

System action: None

User response: None **Centrally logged**

FMX5140I **Database <***database***> does not exist - skipping.**

Explanation: The database that was specified by the user is not found on this Exchange server.

System action: This database is skipped.

User response: Ensure that the database name is spelled correctly and enter the command again.

FMX5141I **Database <***database***>, Storage Group <***storagegroup***> does not exist - skipping.**

Explanation: This combination of storage group and database name that was specified is not found on this Microsoft Exchange server.

System action: The storage group and database are skipped.

User response: Ensure that the the storage group name and databse name are spelled correctly and enter the command again.

FMX5142E **The requested database was not found.**

Explanation: The databases could not be found on this Microsoft Exchange server.

System action: Processing stops.

User response: Ensure that the database names are spelled correctly and enter the command again.

FMX5209I **There are no backups matching the server name** *servername* **and the following filespecs:***filespecs***.**

Explanation: There are no database backups on the Tivoli Storage Manager server for the specified server name.

System action: Processing stops.

User response: None if there are no backups; otherwise, check your spelling and try again.

FMX5228I The LOCALDSMAgentnode preference is not set correctly.

Explanation: Data Protection for Exchange has not been configured to perform VSS operations. The LOCALDSMAgentnode preference is not set correctly.

System action: Processing stops.

User response: Ensure that the LOCALDSMAgentnode preference is set correctly. This preference can be set by running the configuration wizard.

FMX5229E An error occurred while obtaining VSS information from the following Local DSMAgent Node: '*localdsmagentnode*'.

Explanation: Data Protection for Exchange attempted to obtain VSS information through the specified LOCALDSMAgentnode, but failed. The specific error message encountered is also displayed.

System action: VSS information is not displayed.

User response: Refer to the error message displayed along with this message.

FMX5237E Unable to communicate with the Microsoft Exchange Server.

Explanation: An attempt was made to communicate the with the Microsoft Exchange Server that was entered. This connection attempt failed.

System action: Processing stops.

User response: Ensure that the name of the Microsoft Exchange Server that was entered is valid. Also, ensure that the Microsoft Exchange Server is running and that the Exchange services are started.

FMX5238E Unable to retrieve the domain information for the Microsoft Exchange Server.

Explanation: An attempt was made to retrieve the domain information for the Microsoft Exchange Server. This attempt failed.

System action: Processing ends.

User response: Ensure that the Microsoft Exchange server is running.

FMX5239E Unable to retrieve the component information.

Explanation: An attempt was made to retrieve the storage group or mailbox database information for the Microsoft Exchange Server. This attempt failed.

System action: Processing ends.

User response: Ensure that the Microsoft Exchange Server is running properly.

FMX5240E Unable to retrieve database information.

Explanation: Data Protection for Exchange tried to retrieve database information from Microsoft Exchange Server, but this attempt failed.

System action: Processing stops.

User response: Ensure that Microsoft Exchange Server is running properly.

FMX5241E The Microsoft Exchange Information Store is currently not running.

Explanation: Data Protection for Exchange tried to retrieve information about the Microsoft Exchange Server Information Store, but this attempt failed.

System action: Processing stops.

User response: To retrieve the Microsoft Exchange Server information, the Microsoft Exchange Information Store must be running. Start or restart this service to get the requested information.

FMX5301E Unable to get the value for the Organization from the registry.

Explanation: An attempt was made to read the registry to determine the organization for the Microsoft Exchange Server. This attempt failed.

System action: Processing ends.

User response: Determine if there is a problem with the registry or ensure that the Microsoft Exchange Server is installed properly.

FMX5302E Unable to get the value for the Site from the registry.

Explanation: An attempt was made to read the registry to determine the site for the Microsoft Exchange Server. This attempt failed.

System action: Processing ends.

User response: Determine if there is a problem with the registry or ensure that the Microsoft Exchange Server is installed properly.

FMX5303E Unable to get the value for Circular Logging from the registry.

Explanation: An attempt was made to read the registry to determine the Circular Logging setting for either the IS or the DIR of the Microsoft Exchange Server. This attempt failed.

System action: Processing ends.

User response: Determine if there is a problem with

the registry or ensure that the Microsoft Exchange Server is installed properly.

FMX5304E Unable to open a Microsoft Exchange service to determine if it is running.

Explanation: An attempt to open a service failed.

System action: Processing stops.

User response: Check your Microsoft Exchange services and ensure that they are running properly.

FMX5305E Unable to query service information.

Explanation: An attempt to query specific service information failed.

System action: Processing stops.

User response: Check your Microsoft Exchange services and ensure that they are running properly.

FMX5350E An unknown Exchange error has occurred.

Explanation: An Exchange error has occurred. The Windows Event Log may contain more information.

System action: Processing stops.

User response: If the Windows Event Log does not help resolve the problem, verify the Exchange Server installation and retry the operation.

FMX5351E The Exchange server application is not registered for backup.

Explanation: The Exchange server application must be registered for backup with the Windows Server. The Windows NT event log may contain more information.

System action: Processing ends.

User response: If the Windows NT event log does not help resolve the problem, verify the Exchange Server installation and retry the operation. If the error persists, contact your service representative.

FMX5352E The Exchange server application is not registered for offline restore.

Explanation: The Exchange server application must be registered for offline restore with the Windows Server. The Windows NT event log may contain more information.

System action: Processing ends.

User response: If the Windows NT event log does not help resolve the problem, verify the Exchange Server installation and retry the operation. If the error persists, contact your service representative.

FMX5353E The Exchange server application is not registered for online restore.

Explanation: The Exchange server application must be registered for online restore with the Windows Server. The Windows NT event log may contain more information.

System action: Processing ends.

User response: If the Windows NT event log does not help resolve the problem, verify the Exchange Server installation and retry the operation. If the error persists, contact your service representative.

FMX5354E The storage group was not found.

Explanation: The specified storage group name was not found.

System action: Processing ends.

User response: Verify the command input and retry the operation. If the error persists, contact your service representative.

FMX5355E The database was not found. Ensure that the database exists and is spelled correctly with proper capitalization.

Explanation: The specified database name was not found.

System action: Processing stops.

User response: Ensure that the database exists and is spelled correctly with proper capitalization, and retry the operation.

FMX5356E The database file name is undefined.

Explanation: Every Microsoft Exchange database must specify a database file name.

System action: Processing stops.

User response: Verify the database properties and retry the operation.

FMX5357W The truncation of the transaction log failed.

Explanation: The truncation of the transaction log failed.

System action: Processing continues.

User response: Refer to other messages that are displayed to determine the problem.

FMX5358E A Microsoft Exchange API protocol error has occurred.

Explanation: An unrecoverable Microsoft Exchange API protocol error has occurred.

System action: Processing ends.

User response: Contact your service representative.

FMX5359E Unable to get the TEMP environment variable. Ensure that the environment variable is set and retry the operation.

Explanation: An attempt was made to get the TEMP environment variable for this system. This attempt failed.

System action: Processing stops.

User response: Ensure that the environment variable is set and retry the operation.

FMX5360E The /RECOVer=APPLYRESToredlogs option is not allowed during a partial restore.

Explanation: A partial restore was requested with the /RECOVer=APPLYRESToredlogs option. The /RECOVer=APPLYRESToredlogs option is not allowed during a partial restore.

System action: Processing ends.

User response: Enter the command to restore the entire component or enter the command without the /RECOVer=APPLYRESToredlogs option.

FMX5361E It is invalid to have an '*' within a storage group name.

Explanation: An attempt was made to backup a storage group that contains an '*'. It is invalid to have an '*' in a storage group name.

System action: Processing continues, but this storage group will not be backed up.

User response: Rename the storage group, otherwise this storage group cannot be backed up.

FMX5362W The filespace <*filespace*> in an invalid filespace name.

Explanation: The filespace displayed in the message exists, but is an invalid filespace.

System action: Processing continues, but this filespace will not be used.

User response: Ensure that the database name does not contain invalid characters. Refer to the Microsoft Exchange documentation for the list of invalid characters.

FMX5500E The MultiByteToWideChar() function failed.

Explanation: An internal error occurred.

System action: Processing stops.

User response: Retry the operation.

FMX5501E The WideCharToMultiByte() function failed.

Explanation: An internal error occurred.

System action: Processing ends.

User response: Retry the operation. If this error persists, contact your service representative.

FMX5502E The restore destination directory path needs to be fully-qualified. Enter the command again and specify a fully-qualified path for the /INTO option.

Explanation: The /INTO option was specified without a fully-qualified path.

System action: Processing stops.

User response: Enter the command again and specify a fully-qualified path for the /INTO option.

FMX5705W An error was encountered with Tivoli Storage Manager API initialization, rc = *returncode*. Examine the dsierror.log for more information or determine if the TSM Client is installed properly.

Explanation: An attempt was made to run setup for the Tivoli Storage Manager API. However, errors were encountered. The API is a component of the backup-archive client, which is also known as the VSS Requestor.

System action: Processing continues.

User response: Examine the dsierror.log file to find out more information about the problem. If this file does not exist, it is possible that the TSM API is not installed properly. If this is the case, uninstall the TSM Client and re-run the configuration wizard.

FMX5706I The *logfile_name* log file did not need pruning.

Explanation: The log file specified did not exceed the maximum log size and did not need to be pruned.

System action: The log file is not changed.

User response: The log file will automatically be pruned at a later date. If the log file is too large now, lower the number of days the log entries are retained.

FMX5707W **The *logfile_name* log file could not be opened for writing. The log was not pruned and there will be no logging of events.**

Explanation: The log could not be opened for append. Therefore, there will be no logging done and the request to prune was not done.

System action: Processing continues without logging and without pruning.

User response: Determine why the log could not be opened. You may need to ensure that the file is not read-only, or ensure that a valid drive or partition is specified with the log file name.

FMX5724I **No databases have been selected for backup.**

Explanation: The Backup button was pressed but no databases have been selected in the list in the graphical user interface.

System action: Processing stops.

User response: Select a database and press the Backup button.

FMX5725I **No components have been selected for backup.**

Explanation: The Backup button was pressed but no components have been selected in the tree or list in the graphical user interface.

System action: Processing stops.

User response: Select a component and press the Backup button.

FMX5741I **No Backups have been selected for restore.**

Explanation: The Restore button was pressed but nothing was selected in the tree or list view.

System action: Processing stops.

User response: Make a selection in the tree or list view and press the Restore button again.

FMX5758W **At least one of the database's services that is selected for restore is running. Do you want to stop the service(s)?**

Explanation: A service that you are trying to restore is running. The service cannot be running in order to perform the restore.

System action: None

User response: Choose the desired response and continue.

FMX5759W **At least one of the databases that is selected for restore is mounted. Do you want to dismount the database(s)?**

Explanation: A database you are trying to restore is mounted.

System action: None

User response: Click 'OK' to dismount and continue, or cancel to stop.

FMX5766E **Unable to dismount database *database* in storage group *storage group*. Do you want to continue the restore process?**

Explanation: An error occurred while trying to dismount a database.

System action: None.

User response: Press OK to continue the restore or press cancel to stop.

FMX5798E **MS Exchange API *api name* failed with HRESULT: *api retcode*. Check the Windows Application Event log for more details.**

Explanation: A Microsoft Exchange API error occurred during an operation. The specific API function that failed, along with the HRESULT code of the failure and possible message associated with that error, is displayed.

System action: Processing stops.

User response: If the Windows Event Log does not help to resolve the problem, stop and restart the Exchange Information Store and retry the operation.

FMX5800E **The backup is corrupt. See log file for additional information.**

Explanation: When attempting to process an Exchange backup on the Tivoli Storage Manager Server, not all required objects were present. The operation cannot proceed. The specific backup affected is logged.

System action: Processing stops.

User response: Retry the operation with a different backup.

FMX5805E **The restore failed. The file already exists. Delete the existing files or specify a different restore (/INTO) path.**

Explanation: The specified file already exists in the restore (/INTO) path. The RESTOREFILES command is designed not to overwrite existing files.

System action: The restore operation fails and processing ends.

User response: If you want to restore the specified file, you must first delete the file that exists in the restore (/INTO) path and retry the operation or specify a different restore (/INTO) path and retry the operation.

FMX5810E **Restoring Legacy backups and VSS backups in the same restore operation is not supported. Retry the restores in separate operations.**

Explanation: At least one VSS backup object and one Legacy backup object were selected for a restore in the same operation. This is not supported.

System action: The restore operation is canceled.

User response: Retry the restores specifying the Legacy backups and VSS backups in separate operations.

FMX5811E **Invalid command. Data Protection for Exchange invalid backup type for a VSS backup request. Supported types are full, copy, diff, and incr.**

Explanation: An invalid backup type was specified on the VSS backup request. Refer to your Data Protection for Exchange User's Guide for supported backup types.

System action: The backup operation is canceled.

User response: Retry the backup operation specifying a supported VSS backup type. Supported types are full, copy, diff, and incr.

FMX5812E **Invalid command. Data Protection for Exchange does not support OFFLOAD with the Legacy backup method.**

Explanation: The OFFLOAD option was specified when using the Legacy backup method. Data Protection for Exchange does not support offload with the Legacy backup method. Data Protection for Exchange supports offload with the VSS backup method only.

System action: The backup operation is canceled.

User response: Retry the backup operation without specifying the offload option or by specifying the VSS backup method.

FMX5813E **Invalid command. Data Protection for Exchange only supports Legacy backups with a backup destination of TSM.**

Explanation: An invalid backup destination was specified with the Legacy backup method. Data Protection for Exchange only supports a backup destination of TSM when using the Legacy backup method.

System action: The backup operation is canceled.

User response: Retry the backup operation specifying a backup destination of TSM.

FMX5814E **Invalid command. Data Protection for Exchange does not support OFFLOAD with the combination specified for backup destination and version of Windows.**

Explanation: The OFFLOAD option was specified with an unsupported backup destination. Data Protection for Exchange only supports offload with a backup destination of TSM or if running on a Windows System 2008 or later, backup destination LOCAL, TSM or BOTH.

System action: The backup operation is canceled.

User response: Retry the VSS offloaded backup operation specifying a backup destination of TSM.

FMX5815E **The VSS operation failed with rc =** *returncode***. Check the dsmerror.log file and the Windows Event log for more details. The VSS Provider logs might also contain more information.**

Explanation: There was a failure when Data Protection for Exchange performed the VSS operation.

System action: The VSS operation stops.

User response: Check the dsmerror.log file and the Windows Event log for more details. The VSS Provider logs might also contain more information. If problems persist, verify that the Client Acceptor Daemon (CAD) is installed, configured, and running properly on the machine. If necessary, uninstall the TSM Client and re-run the configuartion wizard to reinstall the Client Acceptor Daemon.

FMX5816E **Data Protection for Exchange is not able to run VSS operations. You must be running Exchange Server 2010 or later.**

Explanation: In order to perform VSS operations, Data Protection for Exchange verifies that the Exchange Server level is at least Exchange Server 2010.

System action: The operation stops.

User response: Verify that the prerequisites identified above are met and retry the operation.

FMX5817E **Missing, blank, or invalid Local DSMAGENT Node Name is not allowed.**

Explanation: To run VSS operations, Data Protection for Exchange verifies that the Local DSMAGENT Node Name is specified and valid. This error indicates that the Local DSMAGENT Node Name is missing, blank, or invalid.

System action: Processing stops.

User response: Set the Local DSMAGENT Node Name to a valid value and retry the operation.

FMX5818E **Invalid command. Data Protection for Exchange only supports restoring VSS backup types of full, copy, diff, and incr.**

Explanation: An invalid backup type was specified on the VSS restore request. Data Protection for Exchange supports restoring backups of type full, copy, diff, and incr.

System action: The restore operation is canceled.

User response: Retry the restore operation specifying a supported VSS backup type.

FMX5819E **Multiple backup objects were found for the specified components and backup destination. Use the /OBJECT= and /BACKUPDESTINATION= options to identify which specific backup object to restore.**

Explanation: The backup object specified for the VSS restore operation was not specific enough to be unique. More information is required to restore the correct backup object.

System action: The restore operation is canceled.

User response: Retry the restore operation specifying the /OBJECT= and /BACKUPDESTINATION= parameters.

FMX5820E **There were no Exchange backups found on the Tivoli Storage Manager server matching the specified criteria.**

Explanation: A query was issued to the Tivoli Storage Manager server to find the Data Protection for Exchange backups that match the specified search criteria. No backups were found.

System action: None.

User response: Retry the operation using different criteria.

FMX5821T **Please note the following implications before performing VSS restore: 1. Even if a Recovery Storage Group exists, it will NOT be used for this restore. The data will be restored directly to the production storage groups. 2. ALL mounted databases within the chosen storage group(s) will be dismounted, not just the databases selected for restore. 3. If the chosen VSS backups are LOCAL and reside on devices that support VSS Instant Restore, ALL data on the production source volumes will be overwritten, INCLUDING the current Exchange transaction logs. 4. If the chosen VSS backups are LOCAL, and there are more than one backup generations that reside on Space-Efficient target VDisks on Storwize or SVC 5.1 or later storage devices, then ALL newer generations of LOCAL VSS backups INCLUDING the currently selected will be deleted during VSS Instant Restore. Please find out more details in the Installation and User Guide of Data Protection for Microsoft Exchange Server. NOTE: Notices (3) and (4) do not apply if the 'Disable VSS Instant Restore' checkbox is selected. Do you want to continue with the VSS restore operation?**

FMX5824I **Storage Group <*storagegroup*> does not have replica - skipping.**

Explanation: Replica for the storage group specified by the user is not found on this Exchange server.

System action: This storage group is skipped.

User response: Ensure that the storage group name is spelled correctly and has a replica and enter the command again.

FMX5825E **Invalid command. Data Protection for Exchange does not support FROMREPLICA with the Legacy backup method.**

Explanation: The FROMREPLICA option was specified when using the Legacy backup method. Data Protection for Exchange does not support fromreplica with the Legacy backup method. Data Protection for Exchange supports fromreplica with the VSS backup method only.

System action: The backup operation is canceled.

User response: Retry the backup operation without specifying the fromreplica option or by specifying the VSS backup method.

FMX5829E **Invalid command. Data Protection for Exchange does not support INTOSG with the Legacy restore method.**

Explanation: The INTOSG option was specified when using the Legacy restore method. Data Protection for Exchange does not support INTOSG with the Legacy restore method. Data Protection for Exchange supports INTOSG with the VSS restore method only.

System action: The restore operation is canceled.

User response: Retry the restore operation without specifying the INTOSG option or by specifying the VSS restore method.

FMX5836T **Please note the following implications before performing VSS restore: 1. ALL mounted databases within the storage group(s) being restored into will be dismounted, not just the databases selected for restore. 2. If the chosen VSS backups are LOCAL and reside on devices that support VSS Instant Restore, ALL data on the production source volumes will be overwritten, INCLUDING the current Exchange transaction logs. 3. If the chosen VSS backups are LOCAL, and there are more than one backup generations that reside on Space-Efficient target VDisks on Storwize or SVC 5.1 or later storage devices, then ALL newer generations of LOCAL VSS backups INCLUDING the currently selected will be deleted during VSS Instant Restore. Please find out more details in the Installation and User Guide of Data Protection for Microsoft Exchange Server. NOTE: Notices (2) and (3) do not apply if the 'Disable VSS Instant Restore' checkbox is selected. Do you want to continue with the VSS restore operation?**

FMX5837E **Invalid command. Data Protection for Exchange does not support INTOSG with the Exchange Servers earlier than Exchange 2007.**

Explanation: The INTOSG option was specified when using not Exchange 2007 or later. Data Protection for Exchange does not support INTOSG with the Exchange Servers earlier than Exchange 2007. Data Protection for Exchange supports INTOSG with the Exchange Server 2007 or later.

System action: The restore operation is canceled.

User response: Retry the restore operation without specifying the INTOSG option or by using Exchange 2007.

FMX5839E **Alternate or recovery database you are restoring to does not exist.**

Explanation: The alternate or recovery database that was specified does not exist on the Microsoft Exchange Server.

System action: Processing stops.

User response: Verify that the target database exists and the database has been dismounted before retrying the restore.

FMX5840W **Did not find any storage group on Exchange Server that has all databases that matched databases selected to alternate restore. Verify that all necessary databases are created in the alternate storage group then try calling the dialog again.**

Explanation: Did not find any storage group on Exchange Server that has all databases that matched databases selected to alternate restore.

System action: The Restore Into dialog is not pop up.

User response: Verify that all necessary databases are created in the alternate storage group then try calling the dialog again.

FMX5841W **Database** *database* **from storage group** *storagegroup* **has not been found on Exchange Server. The database files will be restored.**

Explanation: Database has not been found on Exchange Server. The restore will continue to allow VSS writer to restore the database files.

System action: The restore operation continues.

User response: After the restore completed, you can recreate the database on the Exchange Server from the restored files.

FMX5843I **No backups were found for the database <***database***> that match the specifications entered. Check that the database name, backup destination, and OBJECT parameters are correct.**

Explanation: No backups found for the specified database that match specified backup destination or OBJECT (if any).

System action: This database is skipped.

User response: Ensure that the database name is spelled correctly, backup destination and OBJECT (if any) are specified correctly and enter the command again.

FMX5892E **Recovery Storage Group does not exist. Please create the Recovery Storage Group and add the appropriate mailbox databases to be recovered.**

Explanation: On Exchange 2003, the Recovery Storage Group must be created before running mailbox restore.

System action: The mailbox restore operation has failed.

User response: Use System Manager to create the Recovery Storage Group and add the appropriate mailbox databases to be recovered. Ensure that the RSG databases are dismounted, and the 'This database can be overwritten by a restore' flag has been set. Run the command again.

FMX5893E **Mailbox restore failed. Please verify that the appropriate databases have been added to the Recovery Storage Group (RSG), the RSG databases are dismounted, and the 'This database can be overwritten by a restore' flag has been set.**

Explanation: On Exchange 2003, the Recovery Storage Group must be created appropriately before running mailbox restore.

System action: The mailbox restore operation has failed.

User response: Use System Manager to create the Recovery Storage Group and add the appropriate mailbox databases to be recovered. Ensure that the RSG databases are dismounted, and the 'This database can be overwritten by a restore' flag has been set. Run the command again.

FMX5901E *mapi32.dll* **does not exist. If necessary, reinstall the Microsoft MAPICDO download.**

Explanation: The Messaging Application Programming Interface (MAPI) library mapi32.dll is required for mailbox restore operations.

System action: The mailbox restore operation fails.

User response: Verify that the mapi32.dll file is installed on the system. Run the command again.

FMX5902E *mapi32.dll* **has version** *version.release*. **Expected** *expected version.expected release* **or higher. Download and install the latest Microsoft MAPICDO download and retry the operation.**

Explanation: The correct version of Messaging Application Programming Interface (MAPI) library mapi32.dll is required for mailbox restore operations.

System action: The mailbox restore operation has failed.

User response: Verify that the correct version of mapi32.dll is installed on the system. Run the command again.

FMX5906E **Loading the MAPI dynamic load library has failed. If necessary, reinstall the Microsoft MAPICDO download.**

Explanation: The mapi32.dll is required for mailbox restore operations.

System action: The mailbox restore operation fails.

User response: Verify that the mapi32.dll is installed on the system. Run the command again.

FMX5907E **Initializing the MAPI subsystem failed. Verify that the mapi32.dll is installed on the system and that MAPI is enabled for your mailboxes.**

Explanation: The MAPI subsystem is necessary for mailbox restore operations.

System action: Processing stops.

User response: Verify that the mapi32.dll is installed on the system and that MAPI is enabled for your mailboxes. Run the command again.

FMX5908E **Creating the MAPI profile has failed. Ensure that you have Organization Management privileges, and that you have an active mailbox.**

Explanation: MAPI requires a user with an active Exchange mailbox and Organization Management privileges to perform mailbox restore operations.

System action: Processing stops.

User response: Either log on as a user with Organization Management privileges, or add an active mailbox for the current user.

FMX5909E **The MAPI subsystem logon has failed. Check that you have an active mailbox and Organization Management privileges for this operation.**

Explanation: Mailbox restore operations require a user with Organization Management privileges, and an active Exchange mailbox.

System action: Processing stops.

User response: Either log on as a user with Organization Management privileges, or add an active mailbox for the current user.

FMX5910E Opening a MAPI mailbox has failed.

Explanation: Data Protection for Exchange attempted to open a mailbox using MAPI, but the operation failed. The MAPI mailbox was not opened.

System action: Processing stops.

User response: The following causes are some of the more common causes of this error:

- Mailbox does not exist Resolution: Create the necessary mailbox.
- Mailbox has never been sent to or logged in to Resolution: Ensure that the mailbox is active by logging in to it or by sending at least one message to the mailbox.
- Mailbox database is not mounted Resolution: Verify that the mailbox is mounted, and mount it if it isn't already mounted.
- Insufficient privilege to access mailbox Resolution: Ensure that the administrative ID that you are using to restore data has the correct privileges, and has an active mailbox on the system. Microsoft Exchange 2003 requires Exchange Administrators and Local Administrators permissions, and Microsoft Exchange 2007 requires Exchange Organization Administrators, Local Administrators. Microsoft Exchange 2010 requires Organization Management and Local Administrators permissions to resolve this issue.
- Exchange server where mailbox database is located is not available or down Resolution: Verify that access to Exchange Server using Exchange Management Console (Exchange 2007) or Exchange System Manager (Exchange 2003).
- Microsoft Information Store service is not running Resolution: Verify that Microsoft Exchange Information Store service is running through computer management Services. Start the service if it is not running.
- Microsoft Exchange System Attendant service is not running Resolution: Verify that Microsoft Exchange System Attendant service is running through computer management Services. Start the service if it is not running.

FMX5911E The MAPI subsystem has experienced a network failure. Verify that you are accessing the correct Exchange server, and that the Exchange server has the Client Access Role installed. Also check that the /CLIENTACCESSSERVER parameter is correct.

Explanation: Data Protection for Exchange tried to connect to Exchange, but experienced a network failure.

System action: Processing stops.

User response: Verify that you are accessing the correct Exchange server, and that the Exchange server has the Client Access Role installed. Also check that the /CLIENTACCESSSERVER parameter is correct.

FMX5912E The MAPI subsystem has experienced a failure.

Explanation: The MAPI subsystem has experienced an unknown error.

System action: Processing stops.

User response: The problem is most likely a problem with the configuration of the recovery user's mailbox or the MAPI configuration on your system. Verify that both meet the requirements specified in your user documentation.

FMX5915W Unable to obtain the Microsoft Exchange Server version running on your system. Microsoft Exchange 2010 is being assumed. Unexpected results may occur.

Explanation: An attempt was made to determine the level of Microsoft Exchange Server running on the current system. This attempt failed.

System action: Processing continues. However, unexpected results may occur.

User response: If the operation fails or produces unexpected results, verify that Microsoft Exchange Server is correctly installed on the system, and retry the operation.

FMX5916E You must add one or more mailboxes to be restored before continuing.

Explanation: No mailboxes were selected for restore.

System action: No mailboxes were restored.

User response: Add one or more mailboxes to be restored before continuing.

FMX5917I The mailbox history has been successfully updated on the TSM Server.

Explanation: The mailbox location history stored on the TSM Server was compared to the current mailbox location information in the Active Directory and updated accordingly. This operation is performed to help facilitate individual mailbox restore operations.

System action: None

User response: None

FMX5918W The mailbox history did not update successfully on the TSM Server.

Explanation: An attempt was made to update the mailbox location history stored on the TSM Server. This operation is performed to help facilitate individual

mailbox restore operations. Problems were encountered during the update attempt.

System action: The mailbox history is not updated, but processing continues.

User response: Verify the following:

- the Active Directory configuration
- the Data Protection for Exchange node username and password
- the proxynode configuration on the TSM Server

FMX5920E **Cannot restore mailboxes from different Exchange Server 2003 storage groups. Please restore mailboxes from each storage group separately.**

Explanation: All Exchange Server 2003 mailboxes selected must come from the same storage group.

System action: No mailboxes were restored.

User response: Perform the mailbox restore operation with mailboxes from a single Exchange Server 2003 storage group. Repeat as necessary for each of the other storage groups.

FMX5921E **Data Protection for Exchange requires a user with Organization Management privileges. For mailbox restores, the user must also have an active mailbox.**

Explanation: Mailbox restore operations requires a user with Organization Management privileges, and an active Exchange mailbox.

System action: Processing stops. No mailboxes are restored.

User response: Either log on as a user with a mailbox that has Organization Management privileges, or add an active mailbox for the current user.

FMX5922E **The mailbox '*mailboxname*' was not found.**

Explanation: The mailbox specified for the mailbox restore operation or the destination mailbox was not found in the Active Directory or in the mailbox history information stored on the TSM Server.

System action: The specified mailbox is not restored.

User response: Verify that the specified mailbox name is correct. Make sure that you are using the mailbox alias when specifying the mailbox name. After correcting the mailbox name, retry the mailbox restore operation. If this mailbox restore is for a deleted or moved mailbox, you might retry the mailbox restore operation using the 'MAILBOXOriglocation' option. Also, make sure that the database is restored into the recovery database properly.

FMX5923E **An unknown mailbox name was specified or the mailbox backup was not found in the recovery database. Verify that the mailbox name is correct. If the specified mailbox name is correct, verify that it has been successfully backed up.**

Explanation: The mailboxes specified for the mailbox restore operation were not found in the Active Directory or in the mailbox history information stored on the TSM Server. If the specified mailboxes exist in Active Directory, then the database backup was not found.

System action: The specified mailboxes are not restored.

User response: Verify that the specified mailbox names are correct. Make sure that you are using the mailbox alias when specifying the mailbox names. After correcting the mailbox names, retry the mailbox restore operation. If this mailbox restore is for a deleted or moved mailbox, you might retry the mailbox restore operation using the 'MAILBOXOriglocation' option. Also, make sure that the database is restored into the recovery database properly. If specified mailbox name is correct, verify that it has been successfully backed up.

FMX5924E **There were no usable backups found.**

Explanation: The mailbox restore operation failed because no usable backups were found.

System action: No mailboxes are restored.

User response: Verify that you have specified the correct TCPServeraddress and node name, and retry the operation.

FMX5929E **The Microsoft Exchange Server MAPI Client and Collaboration Data Objects (MAPICDO) download is not installed. Download and install the latest Microsoft MAPICDO from the Microsoft website before running mailbox restore operations.**

Explanation: Microsoft Exchange Server MAPI Client and Collaboration Data Objects (MAPICDO) download is required for mailbox restore operations.

System action: The specified mailboxes are not restored.

User response: Verify that the Microsoft Exchange Server MAPI Client and Collaboration Data Objects (MAPICDO) download is installed.

FMX5930E **The requested MAPI message service was not found.**

Explanation: The MAPI message service was not found. This is most likely due to the service not being defined in your local MAPISVC.INF file.

System action: The mailbox restore operation has failed.

User response: Verify that the requested MAPI message service is defined in your local MAPISVC.INF file. If this error resulted from trying to restore to a Personal Folders (.pst) file, look for the section "MSPST MS" in this file. If it is not defined, add the message service to your MAPISVC.INF file and run the command again.

FMX5931E **You must specify an alternate destination folder before continuing.**

Explanation: A destination folder is required for restoring to an alternate destination.

System action: The mailbox restore operation could not continue.

User response: Supply an alternate destination folder. Run the command again.

FMX5932E **The recovery database cannot be created because the TEMP environment variable is set to an invalid directory.**

Explanation: The TEMP environment variable is set to an invalid directory.

System action: Processing stops.

User response: Verify that the TEMP environment variable points to valid and accessible directory and try again.

FMX5934E **Mailbox GUID '***mailboxguid***' is associated with the disconnected mailbox '***mailboxname***'.**

Explanation: DP for Exchange attempted to update mailbox GUID in order to perform mailbox restore. The GUID is already associated with another mailbox and cannot be set for the mailbox beeing processed. This condition usually occurs when restoring mailboxes that were previously deleted.

System action: Processing ends.

User response: Purge or reconnect the disconnected mailbox and re-try the operation.

FMX5935W **The mailbox restore operation completed sucessfully; however not all of the mailbox items were restored. Run the mailbox restore operation again on the mailboxes that reported partial completion, or use mailbox filters to restore a smaller subset of messages.**

Explanation: The mailbox restore operation has only partially completed. The messages that were restored were restored correctly, but some items were not restored. This failure might be because there were too many items to restore in one operation.

System action: Processing stops.

User response: Run the mailbox restore operation again on the mailboxes that reported partial completion, or use mailbox filters to restore a smaller subset of messages.

FMX5948E **An attempt to query detailed managed capacacity failed.**

Explanation:

System action:

User response:

FMX5963E **An attempt to query total managed capacacity failed.**

Explanation:

System action:

User response:

FMX5975E **A valid FlashCopy Manager license file could not be located. Data protection operations to a FlashCopy Manager virtual server are not allowed.**

Explanation: To perform data protection operations to a FlashCopy Manager virtual server, a valid license for FlashCopy Manager must be installed in the FlashCopy Manager installation directory. This license file is named fcmclient.lic.

System action: Processing stops.

User response: Verify that the fcmclient.lic file is installed and retry the operation.

FMX5976E **A valid Data Protection for Exchange license file could not be located. Data Protection for Exchange is not licensed to run data protection operations to a Tivoli Storage Manager server. With the current licenses only data protection operations to a FlashCopy Manager stand-alone server can be run. Use the configuration wizard to install or locate the proper license.**

Explanation: To perform data protection operations to a Tivoli Storage Manager server, a valid license for Data Protection for Exchange (called excclient.lic) must be installed. The Data Protection for Exchange license should be installed in the Data Protection for Exchange installation directory.

System action: Processing stops.

User response: Use the configuration wizard to install or locate the proper license.

FMX5977E **The /BACKUPDESTINATION parameter cannot be 'TSM' when performing data protection operations using a FlashCopy Manager stand-alone server.**

Explanation: Data protection commands default to /BACKUPDESTINATION=LOCAL when performed against a FlashCopy Manager stand-alone server. The FlashCopy Manager supports no other values for these parameters. It is not necessary to specify this parameter.

System action: Processing stops.

User response: Retry the command removing the /BACKUPDESTINATION parameter.

FMX5983E **The MAPI subsystem has experienced a failure. There are not enough system resources to complete the selected operation.**

Explanation: There are not enough system resources to complete the selected operation. The Windows Application Event log may contain more information.

System action: Processing stops.

User response: Ensure there are sufficient system resources and run the command again.

FMX5986I **Database <*component*> has circular logging enabled. Cannot perform incremental or differential backup - skipping.**

Explanation: The database that was specified by the user has circular logging enabled. Incremental or differential backup is not possible.

System action: This database is skipped.

User response: Ensure that the database specified does not have circluar logging enabled and run the command again if you want to perform incremental or differential backups.

FMX5987E **Storage Group** *storage group name* **cannot be created. Another Storage Group with the same name exists on the Exchange Server or the maximum number of Storage Groups has been exceeded.**

Explanation: Data Protection for Exchange cannot create a new Storage Group because another Storage Group with the same name exists on the Exchange Server. Or maximum number of Storage Groups has been exceeded.

System action: Processing stops.

User response: Remove the storage group and re-try the operation.

FMX5988E **Folder Tree** *folder tree name* **cannot be created.**

Explanation: Data Protection for Exchange cannot create a new Folder Tree because another Folder Tree with the same name exists on the Exchange Server.

System action: Processing stops.

User response: Remove the Folder Tree and re-try the operation.

FMX5993E **This version of Exchange does not support streaming (legacy) backups.**

Explanation: Support for streaming (legacy) backups was discontinued starting. with Exchange Server 2010.

System action: The operation stops.

User response: Use the VSS method of backing up the Exchange databases.

FMX5994E **Data Protection for Exchange is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to back up using locally managed snapshots.**

Explanation: To back up using locally managed snapshots, a valid FlashCopy Manager license is required or the Tivoli Storage Manager for Copy Services - Microsoft Exchange VSS Integration Module must be installed.

System action: Processing stops.

User response: Change the backup destination to backup to a Tivoli Storage Manager server or obtain the products or licenses necessary to enable this feature

FMX6010T **Unable to dismount database *database*. Do you want to continue the restore process?**

Explanation: An error occurred while trying to dismount a database.

System action: None.

User response: Press OK to continue the restore or press cancel to stop.

FMX6012W **The *database*; database has not been found on the Exchange Server. The database files will be restored. After the restore completes, you can recreate the database on the Exchange Server from the restored files.**

Explanation: The database has not been found on the Exchange Server. The restore will continue to allow VSS writer to restore the database files.

System action: The restore operation continues, but only the files are restored.

User response: After the restore completes, you can recreate the database on the Exchange Server from the restored files.

FMX6027E ***mapi32.dll* has build version *build version*. Expected *expected build version* or higher.**

Explanation: The correct build version of Messaging Application Programming Interface library mapi32.dll is required for mailbox restore operations.

System action: The mailbox restore operation has failed.

User response: Verify that the correct build version of mapi32.dll is installed on the system. Run the command again.

FMX6028W **<*database name*> is a DAG passive database not in Healthy state -- skipping.**

Explanation: A request was made to back up a Database Availability Group (DAG) passive database. The DAG passive database is not in a Healthy state. In order to back up a DAG passive database, it must be in a Healthy state.

System action: Processing continues, but the specified database is skipped.

User response: Ensure that the DAG passive database is in a Healthy state and retry the backup operation.

FMX6029W **At least one item that has passive database copies was specified for restore. When restoring this type of database, care must be taken in handling the database copies. Consult the Data Protection for Exchange documentation for details.**

Explanation: When restoring a Database Availabilty Group (DAG) database, additional steps must be taken in order to suspend the database copy and update the database copy prior to bringing it online.

System action: None.

User response: Consult the Data Protection for Exchange or Microsoft documentation for details.

FMX6030W **At least one item that has passive database copies was specified for restore. When restoring this type of database, care must be taken in handling the database copies. If you have not prepared the passive database copies for restore or are unsure of the necessary steps, please consult the Data Protection for Exchange documentation for details. Do you want to continue with the restore operation?**

Explanation: When restoring a Database Availabilty Group (DAG) database, additional steps must be taken in order to suspend the database copy and update the database copy prior to bringing it online.

System action: None.

User response: Consult the Data Protection for Exchange or Microsoft documentation for details.

FMX6031I **Excluding <*databaseType*> database <*databaseName*> from backup list because of option <*optionName*>-- skipping.**

Explanation: A backup command has been issued where the option /EXCLUDENONDAGDbs, /EXCLUDEDAGACTive, /EXCLUDEDAGPASsive, /MINimumbackupinterval or /PREFERDAGPASsive has been specifed. The database has met the exclude option criteria and is skipped from backup.

System action: Processing continues, but the specified database is skipped.

User response: None.

FMX6032E **Cannot restore mailbox because there is an existing recovery database *recovery database name* on the Exchange Server.**

Explanation: Data Protection for Exchange cannot restore the mailbox because there already is an existing recovery database on the Exchange Server.

System action: Processing stops.

User response: Remove the existing recovery database from the Exchange Server. Run the command again.

FMX6033E The option /MOUNTDAtabases=yes was specified without /RECOver option.

Explanation: A restore command has been issued where the option /MOUNTDAtabases=yes but the option /RECOver was not specified. This is an invalid combination.

System action: Processing Stops

User response: Issue a restore command without /MOUNTDAtabases=yes if you do not intent to apply logs.

FMX6039E An error has occurred while mounting or dismounting a database.

Explanation: An error was detected while mounting or dismounting a database.

System action: Errors were detected while mounting or dismounting a database.

User response: Please check the Windows Event Log for any Exchange errors. If this was a mount problem during a restore, please verify the correct /RECOVer option value was used, and the correct sequence of the Exchange transaction logs. Please resolve any problems, and retry the operation. If the errors persist, contact your service representative.

FMX6040W Component <*component*> requires a full backup. Data Protection for Exchange can not perform an incremental or differential backup - skipping.

Explanation: The component that was specified by the user requires a full backup. An incremental or differential backup is not allowed until a full backup is performed. This situation can occur if a new storage group or database has been added and a full backup has not yet been performed.

System action: This component is skipped.

User response: Perform a full backup on the specified component as soon as possible.

FMX6055W Excluded item <*databaseName*> is not valid. It will be ignored.

Explanation: A backup command was issued with the /EXCLUDEDB option. An item specified in the exclude statement is not a valid item. It will be ignored.

System action: A warning is displayed and processing continues.

User response: Correct the invalid item specified on the exclude option for future operations.

FMX6065E The mount backup command failed. Verify that a valid mount point and backup is specified. For more information, see the dsmerror.log file.

Explanation: The mount backup command failed. The backup specified might be mounted. In addition, the drive to map to might be in use. The directory to contain the mount point directories for all snapshots needs to be an empty NTFS directory that does not contain hidden system files or directories.

System action: Processing stops.

User response: Check to make sure that the backup specified is not mounted and that the drive to map to is available. Repeat the command using an empty NTFS directory as the snapshots mount points directory.

FMX6066E The UNMOUNT BACKup command failed. The specified backup might not be mounted. For more information, see the dsmerror.log file.

Explanation: The UNMOUNT BACKup command failed. The specified backup might not be mounted, or there may be a different error.

System action: Processing stops.

User response: Check to make sure that the backup specified is mounted. If so, see the dsmerror.log file and take the appropriate action.

FMX6067E In the component list that is specified, the following object is not valid: '*object*'. Verify the volume and mount point names are correctly identified and spelled correctly.

Explanation: The command that is entered includes a component list. The list of components contains one or more invalid objects. For example, when entering a BACKUP or RESTORE command, if the component list includes a volume or mount point that is not valid or is not eligible for back up, this message is displayed. In addition, the GUID volume name cannot be specified. For RESTORE, MOUNT BACKUP, or DELETE BACKUP commands, this message is displayed if the component list contains a backup specification that is not found in the backup inventory.

System action: Processing stops.

User response: Verify the correct syntax is used when entering the command. If the message is displayed again, verify the volume and mount point names are correctly identified. A misspelling can trigger this message.

FMX6068I **<*databaseName*> is being backed up by a different server -- skipping.**

Explanation: A Database Availability Group (DAG) database is skipped from backup if another copy of the same database is being backed up by a different server.

System action: Processing continues, but the specified database is skipped.

User response: Check whether the database is being backed up by a different server. Also check that there is not another instance of tdpexcc.exe or other backup running.

FMX6076I **<*databaseName*> cannot be backed up because its 'BackupInProgress' flag is set to 'True'. Check whether the database is being backed up by a different server -- skipping.**

Explanation: A Database Availability Group (DAG) database is skipped from backup if its 'BackupInProgress' flag is set to "True" by Exchange server.

System action: Processing continues, but the specified database is skipped.

User response: Check whether the database is being backed up by a different server. Also check that there is not another instance of tdpexcc.exe or other backup running.

FMX6080E **Conflict option:**

Explanation: This message displays the command that was entered, up to and including the conflict option that was detected.

System action: Processing ends.

User response: Re-enter the command specifying valid command options.

FMX6081E **Missing, blank, or invalid REMOTEDSMAgentnode is not allowed. Set the REMOTEDSMAgentnode option to a valid value and retry the operation.**

Explanation: In order to run VSS operations, Data Protection for Exchange verifies that the Remote DSMAGENT Node Name is specified and valid. This error indicates that the Remote DSMAGENT Node Name is missing or blank. Also, the Remote DSMAGENT Node Name cannot be the same as the Local DSM Agent Node Name.

System action: Processing stops.

User response: Set the REMOTEDSMAgentnode to a valid value and retry the operation.

FMX6082I **The following options are deprecated and will be ignored:** *deprecatedOption*

Explanation: The option you entered is deprecated. Data Protection for Exchange ignores the option and processing continues.

System action: Data Protection for Exchange ignores the option and processing continues.

User response: If appropriate, update your scripts to remove references to any deprecated options.

FMX6083W **Database <*component name*> is a recovery database -- skipping.**

Explanation: A request was made to back up a set of databases. However, some databases are recovery databases. Recovery databases cannot be backed up.

System action: Processing continues, but the recovery databases are skipped.

User response: Do not specify recovery databases to be backed up.

FMX6086W **The following values for the mailboxfilter option are not supported and the options are ignored:** *unsupportedfilter*

Explanation: The mailboxfilter option entered is not supported. Data Protection for Exchange ignores the filter and processing continues.

System action: Data Protection for Exchange ignores the filter and processing continues.

User response: Provide supported value for mailboxfilter option

Chapter 5. FMY messages

Messages with prefix FMY are issued by the IBM Tivoli Storage FlashCopy Manager for Microsoft SQL Server. Tivoli Storage FlashCopy Manager V4.1 FMY messages are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMY0003S An internal processing error has occurred.

Explanation: An internal processing error has occurred.

System action: Processing ends.

User response: Retry the operation. If this error persists, contact your service representative.

FMY0004E An unknown error has been detected.

Explanation: An internal processing error has occurred that prevents the generation of a message for a return code.

System action: Processing continues.

User response: Retry the operation. If this error persists, contact your service representative.

FMY0005E Out of memory. Stop other processes and try the operation again.

Explanation: The machine has run out of memory.

System action: Processing continues.

User response: Close unnecessary processes and try the operation again.

FMY0053E License file (*licensefile*) could not be opened.

Explanation: An attempt to read from the license file failed.

System action: Processing ends.

User response: Install the product again. This ensures that the correct license file is installed.

FMY0054E Read failure on license file (*licensefile*).

Explanation: An attempt was made to read from the license file. This attempt failed.

System action: Processing ends.

User response: Reinstall the product. This will ensure that the correct license file is installed.

FMY0055E Write failure on license file (*licensefile*).

Explanation: An attempt to write to the license file failed.

System action: Processing ends.

User response: Make sure enough space exists on the workstation to write to the license file. If enough space exists, run the command again.

FMY0056E Data in the license file (*licensefile*) is not in a valid format.

Explanation: An attempt to read information from the license file failed.

System action: Processing ends.

User response: Install the product again.

FMY0057E The checksum in the license file (*licensefile*) does not match the license string text.

Explanation: An attempt was made to read information from the license file. The checksum was not valid so it appears that the license file is not at the correct level.

System action: Processing ends.

User response: Reinstall the product.

FMY0058E The 'Try and Buy' license has expired.

Explanation: This 'Try and Buy' license that was detected has expired.

System action: Processing ends.

User response: This product is no longer valid for use. A valid license must be obtained before running the product.

FMY0100E Incomplete command:

Explanation: This message displays the incomplete command that was entered.

System action: Processing ends.

User response: Re-enter the complete command.

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FMY0101E Invalid argument:

Explanation: This message displays the command that was entered, up to and including the invalid command or option argument that was detected.

System action: Processing ends.

User response: Re-enter the command specifying a valid argument for the command or option.

FMY0102E Invalid command:

Explanation: This message displays the invalid command that was entered.

System action: Processing ends.

User response: Re-enter a valid command.

FMY0103E Invalid option for the specified command:

Explanation: This message displays the command that was entered, up to and including the option that was detected as invalid for the command.

System action: Processing ends.

User response: Re-enter the command specifying valid command options.

FMY0104E Invalid option:

Explanation: This message displays the command that was entered, up to and including the invalid option that was detected.

System action: Processing ends.

User response: Re-enter the command specifying valid command options.

FMY0105E Missing argument:

Explanation: This message displays the command that was entered, up to and including the command or option whose required argument is missing.

System action: Processing ends.

User response: Re-enter the command specifying a valid argument for the command or option.

FMY0132W Tracing could not be started. Processing will continue.

Explanation: A problem prevented tracing from beginning.

System action: Processing will continue with the command entered.

User response: Refer to the other messages that display with this message to determine the problem.

FMY0133W Could not locate installation directory. Attempting to continue...

Explanation: An attempt was made to read the registry to determine where the Tivoli Data Protection application client was installed. This attempt failed.

System action: Processing will continue with the command entered.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMY0134W Could not locate log directory. Processing will continue...

Explanation: An attempt was made to read the registry to determine where the Tivoli Data Protection application client log is located. This attempt failed.

System action: Processing will continue with the command entered.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMY0150I Operation canceled by user.

Explanation: The user has requested that the Data Protection for Microsoft SQL Server application client end by entering ctrl-C.

System action: Processing ends.

User response: None

FMY0151E Errors occurred while processing the request.

Explanation: Attempting to process the request entered, an error occurred.

System action: Processing ends.

User response: Attempt to determine the source of the errors from viewing the log file. Correct the problems and try running the command again.

FMY0152I Performance stats: *seconds* **seconds spent in** *apicall* **API calls**

Explanation: The indicated number of seconds were spent making API calls for the indicated system.

System action: Processing continues.

User response: None

FMY0153I **Performance stats:** *seconds* **seconds spent in** *function*

Explanation: The indicated number of seconds were spent the named function.

System action: Processing continues.

User response: None

FMY0154E **The Data Protection for Microsoft SQL Server application client cannot work with the version of the Tivoli Storage Manager API you have installed. Please install version** *version.release.level* **or greater.**

Explanation: The version of the Tivoli Storage Manager API currently installed on the system is older than the version used to build the Data Protection for Microsoft SQL Server application client.

System action: Processing ends.

User response: Install a version of the Tivoli Storage Manager API at or later than the indicated level. A copy is distributed with the Data Protection for Microsoft SQL Server application client.

FMY0155E **The Data Protection for Microsoft SQL Server application client cannot work with the release of Tivoli Storage Manager API you have installed. Please install release** *version.release.l evel* **or greater.**

Explanation: The release of the Tivoli Storage Manager API currently installed on the system is older than the release used to build the Data Protection for Microsoft SQL Server application client.

System action: Processing ends.

User response: Install a release of the Tivoli Storage Manager API at or later than the indicated level. A copy is distributed with the Data Protection for Microsoft SQL Server application client.

FMY0156E **Could not load the Tivoli Storage Manager API.**

Explanation: The Tivoli Storage Manager API could not be loaded.

System action: Processing ends.

User response: Ensure the Tivoli Storage Manager API is correctly installed. Run the Data Protection for Microsoft SQL Server application client with the /TRACEFLAGS=API /TRACEFILE=filename options and view the tracefile to determine why it could not be loaded. Another possible cause is that the TSMAPI.DLL does not exist in the system directory. Re-install the Tivoli Storage Manager API, if this is the case.

FMY0160E **An authentication error occurred with your stored Tivoli Storage Manager password.**

Explanation: You were unable to log on to the Tivoli Storage Manager server due an authentication error.

System action: Processing stops.

User response: The stored Tivoli Storage Manager password may have become corrupted. Contact your Tivoli Storage Manager server administrator.

FMY0161E **Authentication error. The password entered is not valid. You are not logged on to the Tivoli Storage Manager server.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the correct Tivoli Storage Manager password and try again.

FMY0162E **The passwords entered do not match. Please enter them again.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the passwords again.

FMY0163E **The directory path needs to be fully-qualified.**

Explanation: The /intopath option was specified without a fully-qualified path.

System action: Processing stops.

User response: Enter the command again and specify a fully-qualified path in the /intopath option.

FMY0167E **The fully-qualified file name is too long.**

Explanation: An attempt was made to use a fully-qualified file name that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMY0200E **File (***filename***) could not be opened for reading.**

Explanation: An attempt was made to open a file for reading. This attempt failed.

System action: Processing ends.

User response: None

FMY0201E File (*filename*) could not be opened for writing.

Explanation: An attempt was made to open a file for writing. This attempt failed.

System action: Processing ends.

User response: None

FMY0202E Read failure on file (*filename*).

Explanation: An attempt was made to read from a file. This attempt failed.

System action: Processing ends.

User response: None

FMY0203E Write failure on file (*filename*).

Explanation: An attempt was made to write to a file. This attempt failed.

System action: Processing ends.

User response: None

FMY0204E File (*filename*) could not be closed.

Explanation: An attempt was made to close a file. This attempt failed.

System action: Processing ends.

User response: None

FMY0205E File (*filename*) statistics could not be obtained.

Explanation: An attempt was made to obtain file statistics. This attempt failed.

System action: Processing ends.

User response: None

FMY0206E Directory (*directory*) could not be created.

Explanation: An attempt was made to create a directory. This attempt failed.

System action: Processing ends.

User response: None

FMY0207E Directory path (*directorypath*) is too long.

Explanation: An attempt was made to use a directory path that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMY0208E There is not enough disk space for the operation attempted.

Explanation: An attempted operation required more disk space than was available. The attempt failed.

System action: Processing ends.

User response: None

FMY0209E The rename of file (*filename1*) to (*filename2*) failed.

Explanation: An attempt was made to rename a file. This attempt failed.

System action: Processing ends.

User response: None

FMY0210E The Tivoli Storage Manager high level qualifier is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager high level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMY0211E The Tivoli Storage Manager low level qualifier is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager low level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMY0212E The Tivoli Storage Manager filespace name is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager filespace name that was too long. This attempt failed.

System action: Processing ends.

User response: None

FMY0213E The maximum number of objects allowed per Tivoli Storage Manager transaction is too small.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the Tivoli Storage Manager server in a single transaction. The Tivoli Storage Manager server has indicated that the maximum number of objects allowed per transaction is less than the minimum required by the Data Protection for Microsoft SQL Server application client.

System action: Processing ends.

User response: Increase the maximum number of objects allowed per transaction on the Tivoli Storage Manager server and retry the operation.

FMY0214E The backup object's management class backup copy group does not exist.

Explanation: The Tivoli Storage Manager server has indicated that the backup object's management class backup copy group does not exist.

System action: Processing ends.

User response: Contact your Tivoli Storage Manager server administrator.

FMY0215E All backup objects do not have the same management class backup copy destination.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the Tivoli Storage Manager server within a single transaction. All backup objects within a single transaction are required to have the same management class backup copy destinations.

System action: Processing ends.

User response: Contact your Tivoli Storage Manager server administrator.

FMY0216E Unable to obtain space information for volume (*volumename*).

Explanation: An attempt was made to obtain space information for a volume. This attempt failed.

System action: Processing ends.

User response: None

FMY0217E The Tivoli Storage Manager filespace name is invalid.

Explanation: The filespace name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the filespace name length, characters, and directory delimeters are valid.

FMY0218E The Tivoli Storage Manager high level qualifier is invalid.

Explanation: The high level qualifier name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the high level qualifier name length, characters, and directory delimeters are valid.

FMY0219E The Tivoli Storage Manager low level qualifier is invalid.

Explanation: The low level qualifier name or directory delimeter is invalid.

System action: Processing ends.

User response: Check that the low level qualifier name length, characters, and directory delimeters are valid.

FMY0256E The password in your Tivoli Storage Manager options file has expired. Please change your password on the Tivoli Storage Manager server using the 'change password' command and then either change or remove the password value in your options file.

Explanation: Your Tivoli Storage Manager password has expired. You need to change your password.

System action: Processing ends.

User response: Obtain a new password for your Tivoli Storage Manager server; node using the change password command or by asking your Tivoli Storage Manager Administrator to change your password.

FMY0257E Your password has expired.

Explanation: Your Tivoli Storage Manager password has expired. A new password needs to be obtained.

System action: Processing ends.

User response: Obtain a new password for your Tivoli Storage Manager node using the change password command or by asking your Tivoli Storage Manager Administrator to change your password.

FMY0258E You did not enter a valid password. Processing ends.

Explanation: The password that was entered was not a valid password.

System action: Processing ends.

User response: Re-enter the command specifying a valid password.

FMY0259E The password you entered for verification does not match the password you entered for your new password. Your password will not be changed.

Explanation: The password you entered for verification of your new password does not match the new password that was entered.

System action: Processing ends.

User response: Try again to change your password being sure to enter the same password for the new password and for the verification password.

FMY0260I Password successfully changed.

Explanation: The change password command completed successfully

System action: Processing ends.

User response: None

FMY0261I There are no backups for the server named *servername***.**

Explanation: There are no backups on the Tivoli Storage Manager server for the specified server name.

System action: Processing ends.

User response: None

FMY0262E Errors occurred while processing the VSS operation. Examine the Windows Event Logs and DSMERROR.LOG for additional details.

Explanation: While attempting to process a VSS operation, an unexpected error occurred.

System action: Processing ends.

User response: Attempt to determine the source of the error by examining the Data Protection for SQL log file, the TSM Client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable. Additional instructions for Windows VSS operations are located in the TSM Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

FMY0263E Failed to start Web browser with a return code of *returncode***.**

Explanation: An attempt was made to start the web browser to view the TSM HTML b ook. This attempt failed.

System action: Processing ends.

User response: Start your web browser manually and point it to bookfrm.htm in the agent htm directory.

FMY0264I Could not find the default browser defined. An attempt will be made to use Microsoft Internet Explorer.

Explanation: An attempt was made to read the registry to determine the default browser. However, a default browser is not defined. A determination will be made where Microsoft Internet Explorer is installed.

System action: Processing continues.

User response: It is possible that a default browser is not defined for the system. This is okay. An attempt will be made to use Microsoft Internet Explorer.

FMY0265E Could not find Internet Explorer.

Explanation: An attempt was made to read the registry to determine where Microsoft's Internet Explorer was installed. This attempt failed.

System action: Processing ends.

User response: Make sure that the registry is set up correctly for Internet Explorer.

FMY0266E Could not find the Tivoli Storage Manager HTML books.

Explanation: An attempt was made to read the registry to determine where the Tivoli Storage Manager books were installed. This attempt failed.

System action: Processing ends.

User response: It may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

FMY0267E The verify password entered does not match the new password entered.

Explanation: The verify password does not match the new password.

System action: Processing ends.

User response: Retry the command with a matching verify password.

FMY0292E An unknown error has been detected. rc = *rc*

Explanation: An error occured without an error message. The return code, *rc*, is displayed.

System action: Processing ends.

User response: Retry the operation. If this error persists, contact your service representative.

FMY0300E Invalid restore type.

Explanation: The type of restore requested is invalid.

System action: Processing ends.

User response: Re-enter the command specifying a valid restore type.

FMY0301E Invalid backup type.

Explanation: The type of backup requested is invalid.

System action: Processing ends.

User response: Re-enter the command specifying a valid backup type.

FMY0351E Invalid trace keyword - '*keyword*'

Explanation: A TRACEFLAG option in the user configuration file or on the command line is incorrect.

System action: Client program did not initialize or tracing was not enabled in the applet.

User response: Correct the value.

FMY0357E Unable to open trace output file *file-name*.

Explanation: A TRACEFILE option in the user configuration file or on the command line used a directory path and *file-name* combination to which you do not have write access.

System action: Client program did not initialize.

User response: Change the TRACEFILE value so that it is a location to which you have write access.

FMY0366E Unable to close trace output file *file-name*.

Explanation: An error occurred during the closing of a trace output *file-name* (for example, not enough disk space).

System action: Processing continues.

User response: Check the options.doc file for a description of possible causes of the error, or see your system administrator.

FMY0367E Unable to write to trace file *tracefile*. Tracing disabled.

Explanation: An error occurred when writing to the specified *tracefile.*

System action: Tracing is disabled. Processing continues.

User response: Ensure the device that the *tracefile* access is available and has sufficient space for the tracefile. Retry the command.

FMY0368E Invalid trace file name (name too long).

Explanation: A TRACEFILE option in the preferences files used a file name that is too long.

System action: Client program did not initialize.

User response: Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMY0383E Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation: Trace file '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response: Specify the trace file location with the 'tracefile' option.

FMY0384E Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response: Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMY0385E Unable to delete symbolic link '*link*'.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: Processing stops.

User response: Delete the symbolic link '*linkname*'.

FMY0476E *program-name*: cannot open file *file-spec*: *error*.

Explanation: DP cannot open the file.

System action: DP cannot complete the requested operation.

User response: Retry the operation. If the problem continues, check with your system administrator.

FMY0487E Specifying the error log '*link*' as a symbolic link is not allowed.

Explanation: Error log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the error log is recreated, and processing stops.

User response: Check the location of the new error log. To specify the location of the error logs, refer to the user's manual for the 'errorlogname' option and 'DSM_LOG' environmental variable.

FMY0488E Initialization functions cannot open the error log: *log-name*. errno = *errno-value*,

Explanation: The file *log-name* could not be opened during initialization. The system set the error code *errno-value*. If the reason given is "access denied," the

current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write. You may also use the ERRORLOGNAME option to specify a file to which the current has write permission.

FMY0495E **Failure writing to a Tivoli Storage Manager log or log-related file:** *file-name*, **errno =** *errno-value*, *reason*

Explanation: A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

FMY0496I **DP is converting the** *log-file* **from continuous (pruning) mode to wrapping mode. This process may take several minutes.**

Explanation: The *log-file* was previously in continouos mode where the only size control was through the use of ERRORLOGRETENTION or SCHEDLOGRETENTION option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is specified for this log, so its format must be changed and old data saved.

System action: Transition processing continues.

User response: None.

FMY0497I **DP is converting the** *log-file* **from wrapping mode to continuous (pruning) mode. This process may take several minutes.**

Explanation: The *log-file* was previously in wrapping mode where the size control was through the use of the ERRORLOGMAX or SCHEDLOGMAX option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is not specified for this log, so its format must be changed and old data saved.

System action: Transition processing continues.

User response: None.

FMY0498I *count* **log records processed.**

Explanation: This is just a progress report to let you know the process is still ongoing.

System action: Transition processing continues.

User response: None.

FMY0501E **Invalid Proxy Configuration Detected: Target Node '***targetnode***' is not listed as a valid node to proxy to for Node Name '***nodename***'.**

Explanation: The proxy node configuration on the TSM Server is not correct to support this VSS operation.

System action: The VSS operation stops.

User response: Contact the TSM Server administrator to have the correct TSM Server GRANT PROXY commands issued to enable proxy authority for the nodes. If the error persists, contact your service representative.

FMY0515E **Invalid DSMAGENT Node configuration found for node '***dsmagentnode***'.**

Explanation: The DSMAGENT Node specified is not configured properly.

System action: The VSS operation stops.

User response: Verify that the DSMAGENT Node specified is correct and that the Client Acceptor Daemon (CAD) is running for the DSMAGENT Node. If the error persists, contact your service representative.

FMY0516I **The Windows console event handler received a '***event***' console event.**

Explanation: A console event was received by one of the Data Protection for Microsoft SQL Server processes or programs. The following events can be recevied:

- Ctrl-C - This indicates either the user entered the ctrl-c sequence or that one of the Windows services was stopped.

System action: None.

User response: None.

FMY0517I **An unexpected error was encountered. DP function name :** *function-name* **DP function :** *function-desc* **DP return code :** *TSM-rc* **DP file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Contact the DP administrator with the information provided in this message.

FMY0518E Backups selected for restore must have the same backup location (TSM or LOCAL).

Explanation: A VSS restore operation was submitted that specified multiple backup objects. The backup objects chosen had different backup locations. This is not allowed. All backup objects submitted in the same VSS restore operation must have the same backup location, either TSM or LOCAL, but not both.

System action: The VSS restore operation stops.

User response: Retry the VSS restore operation specifying one backup object at a time.

FMY0519E The VSS operation failed with rc = *returncode*.

Explanation: There was a failure when TSM performed the VSS operation.

System action: The VSS operation stops.

User response: Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

FMY0520E Failed to connect to Local DSMAGENT Node '*localdsmagentnode*' at address:port '*address*:*portnumber*'. Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly.

Explanation: An attempt was made to connect to the TSM Client Acceptor Daemon (CAD) running on the local machine. A communication error occurred when this connection was attempted.

System action: The operation stops.

User response: In order to perform VSS operations, you must have a TSM Client Acceptor Daemon (CAD) and a TSM Remote Client Agent Service (DSMAGENT) installed and configured properly. In addition, the TSM Client Acceptor Daemon (CAD) must be running. Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly on the local machine. If the error persists, contact your service representative.

FMY0521E Pruning functions cannot open one of the Tivoli Storage Manager prune files: *log-name*. errno = *errno-value*,

Explanation: The file "*log-name*" could not be opened during pruning. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another Tivoli Storager Manager process started by different user id is performing pruning at the same time.

System action: Pruning stops, processing continues.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

FMY0522E DIAG:

Explanation: The message text is provided for diagnostic purposes and is meant to provide information to IBM support in problem determination.

System action: None.

User response: None.

FMY0524S Error '*errtxt*' (errno=*errno*) occurred trying to write to audit log '*file-name*'. The audit log function is disabled.

Explanation: There was an error encountered writing to the audit log (for example, there is not enough space on the disk).

System action: Audit logging is disabled for the rest of the operation. The return code for the operation is set to 12 to indicate that the contents of the audit log are incomplete.

User response: If this is an out of space condition either free up space on the volume or try to write the audit log to a volume with more space.

FMY0555E Invalid number of snapshots:

Explanation:

System action: Policy was not created.

User response: Specify a number in the range: range: 1...9999 or NOLimit

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FMY0556E Invalid number of days:

Explanation:

System action: The Policy was not created.

User response: Specify a number in the range: range: 0...9999 or NOLimit

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FMY0571E The specified policy was not found: '*policy*'

Explanation:

System action:

User response: Please make sure that the specified policy exists.

FMY0572E **The specified policy already exists: '*policy*'**

Explanation:

System action: Policy was not created.

User response: Enter a different name for the policy.

FMY0573E **The specified policy could not be updated: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMY0574E **The specified policy could not be deleted: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMY0575E **The specified policy could not be created: '*policy*'**

Explanation: This is due to a problem in virtual server database.

System action:

User response: Make sure that FCM is configured correctly.

FMY0576I **There were no items found.**

Explanation: The query completed successfully, but no results were found.

System action: None.

User response: Change the specified search criteria.

FMY0581E **Volume *volume-name* could not be locked.**

Explanation: The system call to lock the volume failed.

System action: Processing stopped.

User response: Please verify that no other application is accessing the volume. During restore of an image DP must have exclusive use of the volume.

FMY0583E **Invalid name of policy specified. Valid input characters include alphanumeric charaters and underscore.**

Explanation:

System action: Policy was not created.

User response: Please specify a valid name.

FMY0585E **Unable to connect to the TSM Client Acceptor Daemon (CAD).**

Explanation: Possible causes of this message include: The TSM Client Acceptor Daemon (CAD) is not running. The VSSALTSTAGINGDIR option setting in the TDP option file is not set to the same value as the VSSALTSTAGINGDIR option setting in the Data Protection for Microsoft SQL Server Remote Client Agent Service (DSMAGENT) option file. They must be set to the same value for successful TDP operations.

System action: The VSS operation stops.

User response: Ensure that the TSM Client Acceptor Daemon (CAD) is running. Ensure that the VSSALTSTAGINGDIR option setting in the TDP option file is set to the same value as the VSSALTSTAGINGDIR option setting in the Data Protection for Microsoft SQL Server Remote Client Agent Service (DSMAGENT) option file. After correcting the VSSALTSTAGINGDIR option inconsistency, retry the TDP operation.

FMY0588E **The value for the BACKUPDESTination option is not allowed. Data Protection for Microsoft SQL Server is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to backup or to restore locally managed snapshots.**

Explanation: The value for the configuration option is not allowed. The only allowed value is TSM. Data Protection for Microsoft SQL Server is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to backup or to restore locally managed snapshots.

System action: Processing ends.

User response: Set the backup destination to TSM. In order to create and restore local VSS backups it is required to use and install a fully-featured valid license or to purchase an upgrade, and install Tivoli Storage FlashCopy Manager. If you use Data Protection for Microsoft SQL Server it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services - Microsoft SQL VSS Integration Module.

FMY0589E You are not allowed to set REMOTEDSMAGentnode option. Data Protection for Microsoft SQL Server is not licensed to perform offloaded VSS backups.

Explanation: The REMOTEDSMAGentnode option is used to perform offloaded VSS backups.

System action: The operation stops.

User response: In order to perform offloaded VSS backups install a valid fully-featured license. If you use Data Protection for Microsoft SQL Server it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services - Microsoft SQL VSS Integration Module. Contact your service representative to find out purchase details.

FMY0590E A Data Protection communication error with the Tivoli Storage Manager server has occurred.

Explanation: Communications with the Tivoli Data Protection server has been lost.

System action: The operation stops.

User response: Correct the TCP/IP communications error with the Tivoli Storage Manager server and retry the operation.

FMY0591I Data Protection communications with the Tivoli Storage Manager server has been successfully recovered.

Explanation: Communications with the Tivoli Data Protection server has been successfully recovered.

System action: None.

User response: Continue with normal operations.

FMY0592E The Data Protection TCP/IP session with the Tivoli Storage Manager server was canceled.

Explanation: The Data Protection TCP/IP session with the Tivoli Storage Manager server was cancelled.

System action: The operation stops.

User response: Correct the reason the Tivoli Storage Manager server administrator cancelled the session and retry the operation.

FMY0593E Data Protection for Microsoft SQL Server is not licensed to perform offloaded VSS backups.

Explanation: Currently installed license does not allow to perform offloaded VSS backups. In order to use this feature it is necessary to install a valid fully-featured license.

System action: The operation stops.

User response: In order to perform offloaded VSS backups install a valid fully-featured license. If you use Data Protection for Microsoft SQL Server it is also required to purchase and install IBM Tivoli Storage Manager for Copy Services - Microsoft SQL VSS Integration Module. Contact your service representative to find out purchase details.

FMY0594E You cannot perform offloaded VSS backups in TSM Server independent environment.

Explanation: OFFLOAD option is not available in TSM Server independent environment.

System action: The operation stops.

User response: In order to perform offloaded VSS backups you have to configure Tivoli Storage FlashCopy Manager to manage snapshot backups using a Tivoli Storage Manager server. To do this you can use Tivoli Storage Manager configuration wizard.

FMY0595E The options file '*optfile*' does not exist. It is required for proper operation.

Explanation: The specified TSM API options file could not be found. It is required in order to complete the command.

System action: Processing ends.

User response: Make sure to complete Tivoli Storage Manager configuration and try the operation again.

FMY0598E The application cannot run in safe mode.

Explanation: The application requires either Services or Drivers that are not available when running in safe mode.

System action: The application processing stops.

User response: Restart the system using the normal startup. When the system is started, run the application.

FMY0599E The application cannot establish a remote powershell connection.

Explanation: The application attempted to establish a remote powershell connection. The operation failed.

System action: The application processing stops.

User response: Verify you are using the correct credentials. For more information, see the Microsoft about_Remote_Troubleshooting Help topic.

FMY0601E **There is a problem that causes processing to stop. To identify the source of the problem and the solution, look for details in the service level trace file.**

Explanation: This problem occurs when either the local or remote Powershell cmdlet or script reports an error. Details about the error are not available until more trace file information is analyzed.

System action: Application processing stops.

User response: To identify the problem, look for information in the service level trace files. For more information about viewing trace files, see the Troubleshooting section of the technical documentation provided with the software.

FMY3000I **Data Protection for SQL: Starting** *backup type* **backup of database** *database name* **from server** *server name***.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when a backup is started.

System action: None

User response: None **Centrally logged**

FMY3001I **Data Protection for SQL:** *backup type* **backup of database** *database name* **from server** *server name* **completed successfully.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when a database backup completes successfully.

System action: None

User response: None **Centrally logged**

FMY3002E **Data Protection for SQL:** *backup type* **backup of database** *database name* **from server** *server name* **failed, rc =** *return code***.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when a database restore fails.

System action: None

User response: None **Centrally logged**

FMY3003I **Data Protection for SQL: Starting** *restore type* **restore of backup object** *object name* **to database** *database name* **on server** *server name***.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when a restore is started.

System action: None

User response: None **Centrally logged**

FMY3004I **Data Protection for SQL:** *restore type* **restore of backup object** *object name* **to database** *database name* **on server** *server name* **completed successfully.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when a database restore completes successfully.

System action: None

User response: None **Centrally logged**

FMY3005E **Data Protection for SQL:** *restore type* **restore of backup object** *object name* **to database** *database name* **on server** *server name* **failed.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when a database restore fails.

System action: None

User response: None **Centrally logged**

FMY3006I **Data Protection for SQL: Starting backup for server** *server name***.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating the start of a backup.

System action: None

User response: None **Centrally logged**

FMY3007I **Data Protection for SQL: Backup of server** *servername* **is complete. Total SQL backups selected:** *number selected* **Total SQL backups attempted:** *number attempted* **Total SQL backups completed:** *number completed* **Total SQL backups excluded:** *number excluded* **Throughput rate:** *rate* **Kb/Sec Total bytes transferred:** *bytes* **Elapsed processing time:** *time* **Secs**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating the end of a backup request.

System action: None

User response: None **Centrally logged**

FMY3008I **Data Protection for SQL: Backup of server** *servername* **is complete. Total SQL backups selected:** *number selected* **Total SQL backups attempted:** *number attempted* **Total SQL backups completed:** *number completed* **Total SQL backups excluded:** *number excluded* **Total SQL backups inactivated:** *number inactivated* **Throughput rate:** *rate* **Kb/Sec Total bytes transferred:** *bytes* **Elapsed processing time:** *time* **Secs**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating the end of a backup request.

System action: None

User response: None **Centrally logged**

FMY3009I **Data Protection for SQL:** *backup type* **backup of database** *database name* **from server** *server name* **canceled by user.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating that a backup request was canceled by the user.

System action: None

User response: None **Centrally logged**

FMY3010I **Data Protection for SQL: Starting restore for server** *servername***.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating the start of a restore.

System action: None

User response: None **Centrally logged**

FMY3011I **Data Protection for SQL: Restore from server** *server name* **to server** *server name* **is complete. Total database backups inspected:** *number inspected* **Total database backups requested for restore:** *number requested* **Total database backups restored:** *number restored* **Total database skipped:** *number skipped* **Throughput rate:** *rate* **Kb/Sec Total bytes transferred:** *bytes* **Elapsed processing time:** *time* **Secs**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating the end of a restore.

System action: None

User response: None **Centrally logged**

FMY3012I **Data Protection for SQL:** *restore type* **restore of backup object** *object name* **to database** *database name* **from server** *server name* **canceled by user.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating that a backup request was canceled by the user.

System action: None

User response: None **Centrally logged**

FMY3013I **Data Protection for SQL: Starting Inactivate processing for backup objects from server** *servername*

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when an inactivate process begins.

System action: None

User response: None **Centrally logged**

FMY3014I **Data Protection for SQL: Inactivate processing complete Total database backups inspected:** *number inspected* **Total database backups requested for inactivation:** *number requested* **Total database backups inactivated:** *number inactivated* **Total database skipped:** *number skipped* **Elapsed processing time:** *time* **Secs**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log to indicate the end of an inactivate command.

System action: None

User response: None

FMY3015I **Data Protection for SQL: Inactivating** *backup type* **backup** *backup object***.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when an inactivation of a backup object is started.

System action: None

User response: None **Centrally logged**

FMY3016I **Data Protection for SQL: Database** *database name* **from server** *server name* **is excluded from** *backup type* **backup because it has a Simple Recovery model or it is a system master database.**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log when a Simple Recovery model database or a system master

database is automatically excluded from a Data Protection for SQL backup.

System action: None

User response: None **Centrally logged**

FMY3528E Data Protection for Microsoft SQL Server is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to backup or to restore using locally managed snapshots.

Explanation: Currently installed license allows to create and restore only TSM VSS backups. In order to create backups and to restore local VSS backups, Data Protection for SQL requires that a valid fully-featured license is installed.

System action: The operation stops.

User response: In order to create and restore local VSS backups it is required to purchase and install a fully-featured valid license. NOTE: If you use Data Protection for Microsoft SQL Server it is also required to use and install IBM Tivoli Storage Manager for Copy Services - Microsoft SQL VSS Integration Module or to purchase an upgrade, and install Tivoli Storage FlashCopy Manager. If IBM Tivoli Storage Manager for Copy Services - Microsoft SQL VSS Integration Module is installed, there will be a license file, \"acssql.lic\", in the Data Protection for Microsoft SQL Server installation directory.

FMY3532E The restore destination directory path needs to be fully-qualified.

Explanation: The /relocatedir option was specified without a fully-qualified path.

System action: Processing stops.

User response: Enter the command again and specify a fully-qualified path in the /relocatedir option.

FMY5050I A new configuration file was created.

Explanation: The file specified in the /configfile parameter does not exist. A new file was created.

System action: Processing continues.

User response: None.

FMY5051I The configuration file cannot be found, using default settings.

Explanation: The file specififed in the /configfile parameter cannot be found.

System action: Processing continues.

User response: Ensure the correct file name is specified.

FMY5052E An error occurred trying to set the requested configuration option.

Explanation: An error occurred while writing to the configuration file.

System action: Processing ends.

User response: View any other messages that were displayed. After reviewing the messages and performing necessary actions, run the command again.

FMY5053E The value for the *option* option is not valid. See the TDPSQLC Help Set output or the User's Guide for valid Set command parameters.

Explanation: The configuration option being set is not valid.

System action: Processing ends.

User response: Run "TDPSQLC Help Set" or refer to the User's Guide for valid Set command parameters.

FMY5054I The configuration option was set successfully.

Explanation: The configuration option specified on the Set command was set successfully.

System action: Processing ends.

User response: None

FMY5056I The *logfile* log file could not be pruned. Processing will continue.

Explanation: An attempt to prune the log was unsuccessful.

System action: Processing continues.

User response: The log file may not exist. If the log file exists, view the log for indications of possible problems.

FMY5057I The *logfile* log file was pruned successfully.

Explanation: The log file mentioned pruned successfully.

System action: Processing continues.

User response: None.

FMY5058W The logfile name is greater than the maximum allowed. Processing will continue using a logfile name of *logfile* in the current directory.

Explanation: The logfile name entered was not fully qualified. When the fully qualified log file name was

created, it was longer than the possible length of a log file.

System action: Processing continues by creating and using a log file in the current directory.

User response: Consider updating the log file name using a fully qualified path.

FMY5059W **The *logfile* log file cannot be opened for writing. There will be no logging of events.**

Explanation: The log mentioned could not be opened for appends. Therefore, no logging is performed.

System action: Processing continues without logging.

User response: Determine why the log file could not be opened. The log file may refer to a non-existent drive or partition, or the log file is marked read-only.

FMY5060E **A Tivoli Storage Manager API error has occurred.**

Explanation: A Tivoli Storage Manager API error has occurred.

System action: Processing ends.

User response: Retry the operation. If the error persists, contact your service representative.

FMY5061E **A Microsoft SQL API error has occurred.**

Explanation: A Microsoft SQL API error occurred.

System action: Processing ends.

User response: Retry the operation. If the error persists, contact your service representative.

FMY5063I **The *logfile_name* log file did not need pruning.**

Explanation: The log file specified did not need to be pruned.

System action: Processing continues.

User response: The log file will automatically be pruned at a later date. If the log file is currently too large, decrease the number of days the log entries are retained.

FMY5064W **The *logfile_name* log file could not be opened for writing. The log was not pruned and there will be no logging of events.**

Explanation: The log mentioned could not be opened for appends. Therefore, no logging or pruning is performed.

System action: Processing continues without logging and without pruning.

User response: Determine why the log file could not be opened. The log file may refer to a non-existent drive or partition, or the log file is marked read-only.

FMY5065E **The value specified for the /SQLUSer option does not match the registry entry.**

Explanation: A Backup, Restore or Query Sql command was issued with both the /SQLAUTHentication=SQLUserid and the /SQLUSer option specified. An attempt was made to obtain the sqlpassword value from the registry but the user ID in the registry does not match the user ID specified with the /sqluser option.

System action: Processing ends.

User response: Issue the command and either specify the /sqluser value which matches the registry entry or specify the desired values for both the /sqluser and /sqlpassword options on the command.

FMY5091E **PASSWORDACCESS is Generate. Either the stored password is incorrect or there is no stored password. If you do not have a stored password, use the -TSMPassword=xxx option to set and store your password.**

Explanation: The PASSWORDACCESS option is set to generate in the client options file. However, no password is stored. An initial password needs to be stored.

System action: Processing ends.

User response: Invoke the command again using the -TSMPassword option. Any subsequent commands should now complete without specifying a password.

FMY5097I **Data Protection for SQL is not configured for VSS operations.**

Explanation: Data Protection for SQL has not been configured to perform VSS operations.

System action: None.

User response: In order to perform VSS operations, there must be a valid Tivoli Storage Manager Advanced Copy Services license installed and the Data Protection for SQL LOCALDSMAGENTNODE preference must be set correctly. Refer to the Data Protection for SQL User's Guide for details on configuring the client for VSS operations.

FMY5098E **Error obtaining VSS information from Local DSMAgent Node: '*localdsmagentnode*'.**

Explanation: Data Protection for SQL attempted to obtain VSS information through the specified LOCALDSMAGENTNODE but failed. The error

message encountered is also displayed.

System action: VSS information is not displayed.

User response: Refer to the error message displayed along with this message.

FMY5124E Invalid command. Data Protection for SQL only supports VSS backup type of FULL.

Explanation: An invalid backup type was specified on the VSS backup request. Data Protection for SQL supports backup types of FULL when using the VSS backup method.

System action: The backup operation is canceled.

User response: Retry the backup operation specifying a supported VSS backup type.

FMY5125E Invalid command. Data Protection for SQL does not support OFFLOAD with the Legacy backup method.

Explanation: The OFFLOAD option was specified when using the Legacy backup method. Data Protection for SQL does not support offload with the Legacy backup method. Data Protection for SQL supports offload with the VSS backup method only.

System action: The backup operation is canceled.

User response: Retry the backup operation without specifying the offload option or by specifying the VSS backup method.

FMY5126E Invalid command. Data Protection for SQL only supports Legacy backups with a backup destination of TSM.

Explanation: An invalid backup destination was specified with the Legacy backup method. Data Protection for SQL only supports a backup destination of TSM when using the Legacy backup method.

System action: The backup operation is canceled.

User response: Retry the backup operation specifying a backup destination of TSM.

FMY5127E Invalid command. Data Protection for SQL does not support OFFLOAD with the combination specified for backup destination and version of Windows.

Explanation: The OFFLOAD option was specified with an unsupported backup destination. Data Protection for SQL only supports offload with a backup destination of TSM or if running on a Windows System 2008 or later, backup destination TSM or BOTH.

System action: The backup operation is canceled.

User response: Retry the VSS offloaded backup operation specifying a backup destination of TSM.

FMY5128E The VSS operation failed with rc = *returncode*.

Explanation: There was a failure when Data Protection for SQL performed the VSS operation.

System action: The VSS operation stops.

User response: Verify that the Client Acceptor Daemon (CAD) is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

FMY5129E Data Protection for SQL is unable to run VSS operations. A valid VSS license file (acssql.lic) could not be located.

Explanation: In order to perform VSS operations, it is required that valid license files for both Data Protection for SQL and IBM Tivoli Storage Manager for Copy Services - Microsoft SQL VSS Integration Module are installed. If IBM Tivoli Storage Manager for Copy Services - Microsoft SQL VSS Integration Module is installed then there will be a license file, acssql.lic, in the Data Protection for SQL installation directory.

System action: The operation stops.

User response: Verify that the prerequisites identified above are met and retry the operation. If the error persists, contact your service representative.

FMY5170E Missing, blank, or invalid Local DSMAGENT Node Name is not allowed.

Explanation: In order to run VSS operations, Data Protection for SQL verifies that the Local DSMAGENT Node Name is specified and valid. This error indicates that the Local DSMAGENT Node Name is missing, blank, or invalid.

System action: The operation stops.

User response: Set the Local DSMAGENT Node Name to a valid value and retry the operation.

FMY5171E Invalid command. Data Protection for SQL only supports restoring VSS backup types of FULL and COPY.

Explanation: An invalid backup type was specified on the VSS restore request. Data Protection for SQL supports restoring backups of type FULL and COPY.

System action: The restore operation is canceled.

User response: Retry the restore operation specifying a supported VSS backup type.

FMY5172E **Invalid command. Data Protection for SQL VSS restore does not support RESTOREDATE and RESTORETIME options.**

Explanation: An invalid option was specified on the VSS restore request. Data Protection for SQL RESTOREDATE and RESTORETIME options are not supported for VSS restore.

System action: The restore operation is canceled.

User response: Retry the restore operation without specifying RESTOREDATE and RESTORETIME options.

FMY5177E **Invalid DSMAGENT Node configuration found for node '***dsmagentnode***'.**

Explanation: The DSMAGENT Node specified is not configured properly.

System action: The VSS operation stops.

User response: Verify that the DSMAGENT Node specified is correct and that the Client Acceptor Daemon (CAD) is running for the DSMAGENT Node. If the error persists, contact your service representative.

FMY5186E **The VSS writer didn't return any selectable backup components for the specified database(s). Ensure that the SQL Server VSS writer service has been started.**

Explanation: The SQL Server VSS writer service didn't return any selectable backup components for the specified database(s).

System action: Backup fails, processing ends.

User response: Ensure that the SQL Server VSS writer service has been started and that service start type is set to automatic.

FMY5187E **Multiple backup objects with conflicting backup desitinations were found for one or more of the specified database(s). The /OBJECT and/or /BACKUPDESTINATION options should be used to restore a specific database.**

Explanation: The backup object specified for the VSS restore operation was not specific enough to be unique. More information is required in order to restore the correct backup object.

System action: The restore operation is canceled.

User response: Retry the restore operation specifying the /OBJECT= and /BACKUPDESTINATION parameters.

FMY5188E **BOTH may not be specified for /BACKUPDESTINATION, only TSM or LOCAL are valid.**

Explanation: The restore command only allows specifying backup destinations of TSM or LOCAL for identifying database(s) to restore.

System action: The restore operation is canceled.

User response: Retry the restore operation specifying TSM or LOCAL with /BACKUPDESTINATION parameters.

FMY5195I **Data Protection for SQL: Backup of server** *servername* **enhanced statistics. Total SQL backups deduplicated:** *number deduplicated* **Throughput rate:** *rate* **Kb/Sec Total bytes inspected:** *bytes inspected* **Total bytes transferred:** *bytes* **Total LanFree bytes transferred:** *lanfree bytes* **Total bytes before deduplication:** *prededup bytes* **Total bytes after deduplication:** *postdedup bytes* **Data compressed by:** *compression ratio***%% Deduplication reduction:** *deduplication ratio***%% Total data reduction ratio:** *reduction ratio***%% Elapsed processing time:** *time* **Secs**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log displaying additional statistics at the end of a backup request.

System action: None

User response: None **Centrally logged**

FMY5196I **Data Protection for SQL: Backup of server** *servername* **is complete. Total SQL backups selected:** *number selected* **Total SQL backups attempted:** *number attempted* **Total SQL backups completed:** *number completed* **Total SQL backups excluded:** *number excluded* **Total SQL backups deduplicated:** *number deduplicated* **Throughput rate:** *rate* **Kb/Sec Total bytes inspected:** *bytes inspected* **Total bytes transferred:** *bytes* **Total LanFree bytes transferred:** *lanfree bytes* **Total bytes before deduplication:** *prededup bytes* **Total bytes after deduplication:** *postdedup bytes* **Data compressed by:** *compression ratio***%% Deduplication reduction:** *deduplication ratio***%% Total data reduction ratio:** *reduction ratio***%% Elapsed processing time:** *time* **Secs**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating the end of a backup request.

System action: None

User response: None **Centrally logged**

FMY5197I **Data Protection for SQL: Restore from server** *server name* **to server** *server name* **is complete. Total database backups inspected:** *number inspected* **Total database backups requested for restore:** *number requested* **Total database backups restored:** *number restored* **Total database skipped:** *number skipped* **Throughput rate:** *rate* **Kb/Sec Total bytes transferred:** *bytes* **Total LanFree bytes transferred:** *lanfree bytes* **Elapsed processing time:** *time* **Secs**

Explanation: This is an informational message written to the Tivoli Storage Manager Server activity log indicating the end of a restore.

System action: None

User response: None **Centrally logged**

FMY5198W **WARNING: The LOG backup of the '***database***' database failed, however, the log may have been truncated. You should perform a FULL backup of the database.**

Explanation: The LOG backup of the database failed, however, the log may have been truncated. You should perform a FULL backup of the database.

System action: Processing continues.

User response: You should perform a FULL backup of the database.

FMY5204E **One or more of the specified databases do not exist or are unavailable for backup.**

Explanation: A request was made to backup SQL database(s) which doesn't exist or isn't available.

System action: Processing ends.

User response: Ensure that all of the databases exist and are available and restart the backup.

FMY5205E **The command is not valid. Data Protection for SQL supports restoring the VMVSS FULL backup type.**

Explanation: When the VMVSS restore request is entered, an invalid backup type is specified. The FULL backup type is supported with Data Protection for SQL restore backups.

System action: The restore operation is canceled.

User response: Start the restore operation after you specify a supported VMVSS backup type.

FMY5400E **The Virtual Device Interface is not registered with the Common Object Model.**

Explanation: The virtual device interface could not be created because it is not registered with the common object model. The SQL server may not be installed properly.

System action: Processing ends.

User response: Verify that the SQL server is installed properly and retry the operation. Contact your service representative if the error persists.

FMY5401E **The Virtual Device Interface could not be created.**

Explanation: The virtual device interface could not be created. The SQL server virtual device interface log or Windows NT event log may contain more information.

System action: Processing ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5402E **The Virtual Device Set could not be created.**

Explanation: The virtual device set could not be created. The SQL server virtual device interface log or Windows NT event log may contain more information.

System action: Processing ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5403E **The configuration of the Virtual Device Set could not be obtained.**

Explanation: The configuration of the virtual device set could not be obtained. The SQL server virtual device interface log, SQL server activity log, SQL server error log, or Windows NT event log may contain more information.

System action: Processing ends.

User response: If the SQL server messages do not help resolve the problem retry the operation. If the error persists, contact your service representative.

FMY5404E **The Virtual Device Set could not open a virtual device.**

Explanation: The virtual device set could not open a virtual device. The SQL server virtual device interface log, SQL server activity log, SQL server error log, or Windows NT event log may contain more information.

System action: Processing ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5405E An unknown virtual device error has been detected.

Explanation: A virtual device returned and unknown return code.\n" The SQL server virtual device interface log, SQL server activity log, SQL server error log, or Windows NT event log may contain more information.

System action: Processing ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5406E The SQL server closed a virtual device prematurely.

Explanation: The SQL server aborted the operation on the selected database. The SQL server virtual device interface log, SQL server activity log, SQL server error log, or Windows NT event log may contain more information.

System action: Processing ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5407E The SQL server aborted the operation.

Explanation: The SQL server aborted the operation on the selected database. The SQL server virtual device interface log, SQL server activity log, SQL server error log, or Windows NT event log may contain more information.

System action: Processing ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5420E

Explanation: A SQL API error has occurred.

System action: Processing for this operation ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5421E Received the following from the MS COM component: *SQL message*

Explanation: A SQL error has occurred.

System action: Processing for this operation ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5422E Received the following from the MS SQL server: *SQL message*

Explanation: A SQL error has occurred.

System action: Processing for this operation ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5423E The following string is too long: *string*

Explanation: A SQL error has occurred.

System action: Processing for this operation ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5424E Could not connect to SQL server; SQL server returned: *SQL message*

Explanation: A SQL error has occurred.

System action: Processing for this operation ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5425E The SQL server is not running: *SQL message*

Explanation: A SQL error has occurred.

System action: Processing for this operation ends.

User response: Start the SQL server and retry the operation.

FMY5426E The SQL log on does not have the Sysadmin role: *SQL message*

Explanation: An attempt was made to logon to the SQL server but the specified logon name does not have the Sysadmin role.

System action: Processing for this operation ends.

User response: Try the operation again and specify either a log on name with the Sysadmin role or change the specified log on name to have the Sysadmin role.

FMY5427E The SQL server version is less than 7.0: *SQL message*

Explanation: An attempt was made to use Data Protection for SQL Server V2 with a SQL server version earlier than the version 7.0 level. This is not allowed.

System action: Processing for this operation ends.

User response: Use the Data Protection for SQL V1 client with SQL server earlier than the version 7.0 level, or retry the operation with a SQL server verison 7.0 or later.

FMY5428E The SQL server is not on the local machine: *SQL message*

Explanation: An attempt was made to use the application client specifying a SQL server that was not on the local machine.

System action: Processing for this operation ends.

User response: Retry the operation on the machine where the SQL server resides.

FMY5429E Could not obtain an event from SQL server: *SQL message*

Explanation: A SQL error has occurred.

System action: Processing for this operation ends.

User response: If the SQL server messages do not resolve the problem, retry the operation. Contact your service representative if the error persists.

FMY5430E The SQL Server Name is blank or NULL.

Explanation: In the query to obtain the SQL Server Name, the system returned a blank name. A valid SQL Server Name is necessary to continue the operation.

System action: Processing for the current operation ends.

User response: Check the SQL Server Name by using the "select @@servername" command from the SQL Query Analyzer. If that returns NULL, use the "sp_addserver" stored procedure to set the SQL Server Name to the correct value. After setting the SQL Server Name, retry the operation. Contact your service representative if the error persists.

FMY5431E Multiple dbnames are not allowed.

Explanation: An invalid RESTORE command was issued. It is not valid to specify multiple database names in the <dbname> parameter list when using the /STANDBY, /RELOCATE, or /INTO options.

System action: Processing ends.

User response: Enter the command again with a valid value in the positional parameter or option.

FMY5432E Equal numbers of the /RELOCATE and /TO options must be specified.

Explanation: Unequal numbers of the /RELOCATE and /TO options were specified on a RESTORE command.

System action: Processing ends.

User response: Re-enter the command specifying the same number of /RELOCATE and /TO options.

FMY5433E Wildcards are not allowed as part of the following parameters/options:

Explanation: This message displays the positional parameters and/or options that were specified incorrectly.

System action: Processing ends.

User response: Re-enter the command specifying the correct parameters and/or options.

FMY5434E The following options cannot be specified together:

Explanation: This message displays the conflicting command options that were entered.

System action: Processing ends.

User response: Re-enter the command specifying valid command options.

FMY5435E This command requires one of the following options:

Explanation: This message displays the options that were missing from the command entered.

System action: Processing ends.

User response: Re-enter the command specifying one of the command options required by the command.

FMY5436E A failure occurred on stripe number (*stripe number***), rc =** *return code*

Explanation: A failure occurred on the numbered stripe.

System action: Processing ends.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem.

FMY5450E The specified number of stripes (*number of stripes***) is invalid. Processing will continue with the maximum number of stripes (***maximum number of stripes***).**

Explanation: An invalid number of stripes was specified.

System action: Processing continues utilizing the allowed maximum number of stripes.

User response: None

FMY5451E **A failure occurred on vdev (*vdev name*), rc = *return code***

Explanation: A failure occurred on the named virtual device.

System action: Processing ends.

User response: There should be other messages displayed with this message. Refer to the other messages to determine the problem.

FMY5452E **Unable to delete temporary object: (*filespace name*) (*high level qualifier*) (*low level qualifier*)**

Explanation: When a backup fails, the DP agent attempts to delete all temporary backup data objects from the TSM server. This message indicates that the specified temporary backup data object could not be deleted from the TSM server. This error is usually caused by the loss of all TSM server sessions.

System action: Processing continues.

User response: None. A backup of the database should detect the temporary backup data object and delete it from the TSM server.

FMY5453E **The number of TSM sessions (*number of TSM sessions*) is invalid for the specified number of stripes (*number of stripes*). Processing will continue with the number of TSM sessions (*number of TSM sessions*) as the number of stripes.**

Explanation: An invalid number of TSM sessions was detected for the specified number of stripes. This message is caused by the circumvention of an internal error.

System action: Processing continues utilizing the number of TSM sessions as the number of stripes.

User response: Try the operation again. Contact your service representative if this error persists.

FMY5454E **The maximum number of objects allowed per TSM transaction (*number of objects allowed per TSM transaction*) is invalid for the specified number of stripes (*number of stripes*). Processing will continue with (*new number of stripes*) stripes.**

Explanation: The maximum number of objects allowed per TSM transaction is invalid for the specified number of stripes for at least one of the TSM sessions. All TSM sessions must allow at least one more object per TSM transaction than the number of stripes

System action: Processing continues utilizing the new number of stripes.

User response: Reduce the number of stripes. You can also update the TSM server to increase the maximum number of logical files that a client can send to the server in a single transaction (TxnGrpMax).

FMY5455E **The backup is corrupt and can not be restored.**

Explanation: The backup being restored is corrupt because the data object or objects found do not correspond to the metadata.

System action: Processing ends.

User response: Try the operation again. Contact your service representative if the error persists.

FMY5456W **The backup is corrupt and is not fully restorable. Processing will continue.**

Explanation: The backup being restored is corrupt because the data object or objects found do not correspond to the metadata. Depending on the restore command and the backup type, a partial restore may be possible.

System action: Processing continues.

User response: Try the operation again. Contact your service representative if the error persists.

FMY5457E **An unknown SQL API error has occurred.**

Explanation: A SQL API error has occurred but the associated error message could not be found. The SQL server activity log, SQL server error log, or Windows NT/2000 event log may contain more information.

System action: Processing ends.

User response: If the SQL server messages do not resolve the problem, try the operation again. Contact your service representative if the error persists.

FMY5458W **The TSM Server 'backup delete' setting for node (*TSM server NODENAME*) is set to NO. It should be set to YES for proper operation. Processing will continue.**

Explanation: The TSM Server setting that allows TSM clients to delete their own backups is set to NO for the specified NODENAME. This valuemust be set to YES in order for cleanup operations to perform successfully. A NO value means that unusable residual data may be stored on the TSM Server.

System action: Processing continues.

User response: Make sure the 'backup delete' setting for the specified NODENAME is set to YES on the TSM Server. Your TSM Server administrator can change this setting for your NODENAME. The setting can only be

changed on the TSM Server.

FMY5459W **Database** *object name* **excluded from backup.**

Explanation: The specified database was excluded from backup by the /EXCLUDEDB setting.

System action: Database isn't backed up.

User response: None.

FMY5460W **Database object** *object name* **doesn't exist or isn't valid.**

Explanation: The specified backup object doesn't exist or isn't valid.

System action: Processing for this backup object ends.

User response: Make sure the specified backup object exists.

FMY5500E **The MultiByteToWideChar() function failed.**

Explanation: This is an internal error that indicates corrupted storage.

System action: Processing for this database ends.

User response: Try the operation again. Contact your service representative if this error persists.

FMY5501E **The Common Object Model (COM) library failed to initialize.**

Explanation: The unsuccessful call was CoInitializeEx(NULL,COINIT_MULTITHREADED). OLE32.dll or another COM dll may be missing, down-level, or corrupted.

System action: Processing for this database ends.

User response: Verify your Windows NT (version 4 or later) installation is complete and try the operation again. Contact your service representative if this error persists.

FMY5550I **There are no backups matching the filespec** *directorypathfilename* **and the server name** *servername***.**

Explanation: There are no database backups on the Tivoli Storage Manager server for the specified server name.

System action: Processing ends.

User response: None

FMY5551I **There are no backups matching the criteria specified for server name** *servername***.**

Explanation: There are no database backups on the Tivoli Storage Manager server matching the query criteria for the specified server name.

System action: Processing ends.

User response: Specify a broader range of search criteria when issuing this query.

FMY5552I **No matches were found for the criteria specified.**

Explanation: The SQL Server was searched for databases that matched the specified criteria.

System action: Processing ends.

User response: Check the specified search criteria (database name, group name, logical filename). Enter the command again.

FMY5616W **Database cannot be backed up because its name contains '\', '?', '*', or ':' character(s).**

Explanation: Databases whose names contain directory or volume separator cannot be backed up or restored.

System action: Database was excluded from backup.

User response: Rename the database and restart backup.

FMY5617I **Database was excluded from backup because database name contains '\', '?', ':' or '*' character(s).**

Explanation: Databases whose names contain directory or volume separator cannot be backed up or restored.

System action: Database was excluded from backup.

User response: Rename the database and restart backup.

FMY5629E **No Backups have been selected for restore.**

Explanation: The Restore button was pressed but nothing was selected in the tree or list view.

System action: Processing stops.

User response: Make a selection in the tree or list view and press the Restore button again.

FMY5630E Backups from multiple Server instances have been selected for restore.

Explanation: The Restore button was pressed and the user has selected backups from multiple server instances.

System action: Processing stops.

User response: Make a selection in the tree for backups belonging to the same server instance only

FMY5631E Restoring full Legacy backups and full VSS backups in the same restore operation is not supported. Retry the restores in separate operations.

Explanation: At least one VSS backup object and one Legacy backup object were selected for a restore in the same operation. This is not supported.

System action: The restore operation is canceled.

User response: Retry the restores specifying the Legacy backups and VSS backups in separate operations.

FMY5715E Error writing *option_name* preference to the configuration file.

Explanation: Could not write the specified preference to the configuration file.

System action: Preferences processing ends.

User response: Make sure you have a valid configuration file, then try to update the preference again.

FMY5716W An error was encountered with Tivoli Storage Manager API initialization, rc = *returncode*. Examine the dsierror.log for more information or determine if the TSM API is installed properly.

Explanation: Errors were encountered during an attempt to run setup for the Tivoli Storage Manager API.

System action: Processing continues.

User response: Examine the dsierror.log file to determine the problem. If this file does not exist, the TSM API may not be installed properly. If the TSM API is not installed properly, install the TSM API and run the command again.

FMY5717E Unable to log on to the SQL server.

Explanation: An error occurred while trying to log on to the SQL server.

System action: If running the client from the command line, the client ends. If running the client from the GUI, a prompt is displayed to enter the SQL user ID and password, or to choose Windows authentication.

User response: Make sure the SQL server is running.

FMY5718I When the view is refreshed all selections will be lost and an attempt will be made to expand the new tree to the currently highlighted item. Do you want to continue?

Explanation: The refresh toolbar button or pulldown menu item has been selected.

System action: Processing continues.

User response: Select Yes to refresh the view or select No to leave the current view unchanged.

FMY5719I There are currently no backups on TSM.

Explanation: The SQL server name expansion button was pressed on the Inactivate page.

System action: Processing stops.

User response: Either nothing was backed up to a TSM server or all active backups were inactivated.

FMY5720I No databases have been selected for backup.

Explanation: The Backup button was pressed on the GUI but no databases were selected from the tree or list.

System action: Processing stops.

User response: Select a database and press the Backup button again.

FMY5721I No backups have been selected for restore.

Explanation: The restore button was pressed on the GUI but no backup objects were selected from the tree or list.

System action: Processing stops.

User response: Select a backup object and press the Restore button again.

FMY5722I No backups have been selected for inactivate.

Explanation: The Inactivate button was pressed on the GUI but no backup objects were selected from the tree or list.

System action: Processing stops.

User response: Select a backup object and press the Inactivate button again.

FMY5723E A named mark must be specified.

Explanation: The "Stop At Mark" or "Stop Before Mark" option was chosen but the named mark was not specified.

System action: Processing stops.

User response: Enter a named mark or choose the "Stop At" option.

FMY5784E A log must be selected to use point in time.

Explanation: A log must be selected before setting point in time parameters.

System action: Processing stops.

User response: Select at least one log for restore before specifying a point in time.

FMY5804I Unable to get information. If data is backed up to tape check the "Wait for Tape Mounts for File Information" checkbox.

Explanation: Processing stops.

System action: None

User response: Try checking the box specified in the message.

FMY5805W The SQL Server you are restoring from is different than the SQL server you are currently logged on to. Do you want to continue?

Explanation: Processing continues.

System action: None

User response: If you want to restore something from a different SQL server, press OK; otherwise press Cancel and log on to the other SQL server.

FMY5915E An attempt to query detailed managed capacacity failed.

Explanation:

System action:

User response:

FMY5929E An attempt to query total managed capacacity failed.

Explanation:

System action:

User response:

FMY5958W The selected database <> is offline -- skipping.

Explanation: A request was made to backup a database which is offline.

System action: Processing continues, but offline databases are skipped.

User response: Ensure that the selected databases are online and retry the backup.

FMY5959E Unable to run data protection operations to a FlashCopy Manager virtual server. A valid FlashCopy Manager license file could not be located.

Explanation: In order to perform data protection operations to a FlashCopy Manager virtual server, a valid license for FlashCopy Manager must be installed in the FlashCopy Manager installation directory. This license file is named fcmclient.lic.

System action: The operation stops.

User response: Verify that the prerequisites identified above are met and retry the operation. If the error persists, contact your service representative.

FMY5960E This product is not licensed to run data protection operations to a Tivoli Storage Manager server. A valid DP for SQL license file could not be located. With the current licenses only data protection operations to a Flash Copy Manager virtual server can be run.

Explanation: In order to perform data protection operations to a Tivoli Storage Manager server, a valid license for TDP for SQL (called sqlclient.lic) must be installed. The TDP for SQL license should be installed in the TDP for SQL installation directory.

System action: The operation stops.

User response: Verify that the prerequisites identified above are met and retry the operation. If the error persists, contact your service representative.

FMY5961E The parameters /BACKUPMETHOD or /BACKUPDESTINATION or both are invalid when performing data protection operations using a FlashCopy Manager virtual server.

Explanation: Data protection commands default to /BACKUPMETHOD=VSS and /BACKUPDESTINATION=LOCAL when performed against a FlashCopy Manager virtual server. The FlashCopy Manager supports no other values for these parameters. As a result it is no longer necessary to specify these parameters. For compatibility with other products values for /BACKUPMETHOD and /BACKUPDESTINATION can be specified as long as

they are set to their only valid values. This means that /BACKUPMETHOD can only be set to VSS and /BACKUPDESTINATION can only be set to LOCAL.

System action: The operation stops.

User response: Retry the command removing the /BACKUPDESTINATION and /BACKUPMETHOD parameters.

FMY5965E Database state does not allow log backup with TRUNCATE=YES.

Explanation: Database status is not Normal. Log has to be backed up with truncation turned off.

System action: The backup operation failed.

User response: Back up log with TRUNCATE=NO.

FMY5966E Logical name was not found in the database.

Explanation: The logical name specified during relocation was not found in the database.

System action: Processing for this operation ends.

User response: Specify the correct logical name and retry the operation.

FMY5969E Database state does not allow backup log tail.

Explanation: Database status is not Normal. By now we only support backup the tail of the log when database is not offline or damaged.

System action: The backup operation failed.

User response: Back up the tail of the log when database status is normal.

FMY6060I No matched backup is found according to the Query conditions.

Explanation: Information: No matched backup is found in TSM Server according to the Query conditions.

System action: Processing continues.

User response:

FMY6065E Mount backup command failed. The mount point and / or backup specified is invalid. Please refer to dsmerror.log for further details.

Explanation: The mount backup command failed. The backup specified may already be mounted and or the drive to map to may already be in used. Check if the provided directory to contain the mount point directories for all snapshots is an empty NTFS directory without hidden or system files and / or directories.

System action: Processing stops.

User response: Check to make sure that the backup specified is not already mounted and that the drive to map to is available. Repeat the command using an empty NTFS directory as the snapshots mount points directory.

FMY6066E Unmount backup command failed. Please refer to dsmerror.log for further details.

Explanation: The unmount backup command failed. The backup specified may not be mounted.

System action: Processing stops.

User response: Check to make sure that the backup specified is mounted.

FMY6067E In the component list that is specified, the following object is not valid: '*object*'.

Explanation: The command that is entered includes a component list. The list of components contains one or more invalid objects. For example, when entering a BACKUP or RESTORE command, if the component list includes a volume or mount point that is not valid or is not eligible for back up, this message is displayed. In addition, the GUID volume name cannot be specified. For RESTORE, MOUNT BACKUP, or DELETE BACKUP commands, this message is displayed if the component list contains a backup specification that is not found in the backup inventory.

System action: The operation stops.

User response: Verify the correct syntax is used when entering the command. If the message is displayed again, verify the volume and mount point names are correctly identified. A misspelling can trigger this message.

FMY6103I AlwaysOnPriority is skipping the backup of *availability database name* because it is not on the preferred replica.

Explanation: When the AlwaysOnPriority option is specified SQL Server is queried to see if the current availability replica is the preferred replica. The backup of the availability database will only be performed on the preferred replica. The backup is skipped on all replicas that are not the primary replica.

System action: Processing for this backup object ends.

User response: No response is needed.

FMY6104I *Backup Type* **backup for database** *database name* **is not supported from none-readable secondary replica.**

Explanation: Database on none-readable secondary replica only supports full backup and copyonly backup.

System action: Run the same backup from primary replica or readable secondary replica.

User response: Run the same backup from primary replica or readable secondary replica.

FMY6105I **Differential backup database** *database name* **from secondary replica is not supported. Exclude it for backup.**

Explanation: Differential backup databases from secondary replica is not supported.

System action: Run the same backup from primary replica.

User response: Run the same backup from primary replica.

FMY6200W **The data center node is not correctly configured. To correct the problem, re-run the configuration wizard and set the datacenter node field with the node that was used to perform the VM backups.**

Explanation: Warning: Because the data center node is not configured to match the query and restore conditions, this warning is reported.

System action: Processing continues, but the data center node configuration problem persists until you update the configuration.

User response: Run the Tivoli Storage Manager for Databases: Data Protection for SQL configuration wizard. If the status of the Configuring Recovery Agent rule does not indicate Passed, there is a configuration problem.

FMY6201W **The license for the Recovery Agent, part of the Tivoli Storage Manager for Virtual Environments, is either not valid or not found.**

Explanation: Warning: Without a valid license for the Recovery Agent, you cannot use parts of Tivoli Storage Manager for Databases: Data Protection for SQL to recover Microsoft SQL databases from a VM backup.

System action: The software continues to run, but you cannot use Tivoli Storage Manager for Databases: Data Protection for SQL to recover Microsoft SQL databses from a VM backup.

User response: Verify that the correct license file is in the correct directory. If you use the installation wizard, the license file should be saved to the correct directory.

FMY6202W **The TDPVMWareShell command is either at an earlier level or not found. The VM backup data query or restore is not issued.**

Explanation: Warning: To issue the VM backup data query or restore, update the software. Please upgrade it to support this feature.

System action: The command is ignored and processing continues.

User response:

FMY6203I **The tail-log backup of the database from the secondary replica is not supported.** *databases name* **is excluded from the backup process.**

Explanation: Tail-log backups of databases from the secondary replica are not supported.

System action: The database backup operation is canceled.

User response: Run the backup from the primary replica.

FMY6204I **The tail-log backup of the** *database name* **database from the primary server removes the databases from the AAG. Do you want to continue? Enter 'Y' for Continue or 'N' to cancel.**

Explanation: The tail-log backup of databases from the primary server removes databases from the AAG.

System action: If the database is not removed from the AAG, the SQL Server reports an error when completing the backup.

User response: To continue with the tail-log backup and remove database from the AAG, enter Y. To cancel, enter N.

FMY6205E **The tdpsqlc command that was entered exceeds the maximum length limit. The length limit of each option is 1790 characters.**

Explanation: The length of tdpsqlc command is too long. It is invalid. When the length limit is exceeded, the command is ignored. There is no truncation.

System action: tdpsqlc command will fail with error. An error message is displayed. The command is not processed.

User response: Check the length of tdpsqlc options, especially check the length of multiple databases name. If possible, enter abbreviated parameters and options. If multiple database names are entered, the length of the

database names can cause this error.

Chapter 6. FMV messages

Messages with prefix FMV are issued by the IBM Tivoli Storage FlashCopy Manager Volume Shadow Copy Service (VSS) Requestor. Tivoli Storage FlashCopy Manager V4.1 FMV messages are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

FMV0101E Unable to open English message repository *file name***.**

Explanation: The default English message repository file cannot be opened. Either the file access permissions prevent reading the file or the file is not present in the expected location.

System action: TSM is unable to complete the requested operation. Processing is terminated.

User response: Make sure the file in your DSM_DIR is set up properly. If the problem continues, see your system administrator for further help.

FMV0102W Unable to open the message repository *file name***. The American English repository will be used instead.**

Explanation: The default message repository file for the current locale cannot be opened. Either the file access permissions prevent reading the file, the file is not present in the expected location, or the language specified in the option file is not supported on this workstation.

System action: TSM continues processing using the English language message repository.

User response: Make sure the file in your DSM_DIR is set up properly. If the problem continues, see your system administrator for further help.

FMV0103E Error trying to read header record from message repository *file name***.**

Explanation: The message repository file header record cannot be obtained.

System action: TSM is unable to complete the requested operation.

User response: Make sure the file has not been altered from the installation. If the problem continues, see your system administrator for further help.

FMV0105E Error trying to read index for message *number* **from repository** *file name***.**

Explanation: The message text for the specified message number cannot be read.

System action: TSM is unable to complete the requested operation.

User response: Make sure the file has not been altered from the installation. If the problem continues, see your system administrator for further help.

FMV0106E Message index not found for message *number***.**

Explanation: The message repository file does not contain the message text for the message number.

System action: TSM is unable to complete the requested operation.

User response: Make sure the DSM_DIR is set up properly and it does not point to an old copy. If the problem continues, see your system administrator for further help.

FMV0107E Error trying to read header for message *number* **from repository** *file name***.**

Explanation: The message header information cannot be obtained for the message number in the message file.

System action: TSM is unable to complete the requested operation.

User response: Make sure the file has not been altered from the installation. If the problem continues, see your system administrator for further help.

FMV0108E Error trying to read text for message *number* **from repository** *file name***.**

Explanation: The message text cannot be obtained for the message number in the message file.

System action: TSM is unable to complete the requested operation.

User response: Make sure the file has not been altered from the installation. If the problem continues, see your system administrator for further help.

FMV0109E Insufficient memory for allocation of message structure.

Explanation: There is not enough memory in your

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system to allocate the storage needed for the message text.

System action: TSM is unable to complete the requested operation.

User response: Stop TSM and restart TSM. Then retry the operation. If unsuccessful, close all unneeded applications and retry the operation.

FMV0110E Unable to open error log file *file name* **for output.**

Explanation: The error log cannot be opened for output.

System action: TSM is unable to complete the requested operation. File permissions may be set such that writing is not allowed.

User response: Stop and restart TSM. Then retry the operation. If unsuccessful, make sure the file is not being locked by another application and that file permissions allow write access.

FMV0113E Message repository *file name* **has an invalid control record.**

Explanation: The message repository file contains an incorrect control information.

System action: TSM is unable to complete the requested operation.

User response: Make sure the message file was not altered from the installation. Check DSM_DIR to make sure it is set up properly.

FMV0118E Unable to open schedule log file '*file name***' for output.**

Explanation: The schedule log file cannot be opened for output.

System action: TSM is unable to complete the requested operation.

User response: Stop TSM and restart TSM. Then retry the operation. If unsuccessful, make sure the file has not been locked by another application.

FMV0119E Error trying to read response string for message *number* **from repository** *file name***.**

Explanation: The response string information for the message number cannot be obtained from the message repository file. It is possible the message repository has been corrupted.

System action: TSM is unable to complete the requested operation.

User response: Make sure the message file was not altered from the installation. Check DSM_DIR to make sure it is set up properly.

FMV0120E Message number *number* **contains an invalid multibyte sequence for the current locale.**

Explanation: An illegal multibyte sequence for the current locale was found in the message. Either the message repository has been corrupted or is coded in a language other than that of the current locale.

System action: TSM is unable to complete the requested operation.

User response: If the message repository is not corrupted, process the operation in the supported locale.

FMV0121W Unable to open the iconv converter for the message repository *file name***. The American English repository will be used instead.**

Explanation: The iconv converter for the default message repository for the current locale cannot be opened. The iconv converter used to convert from UTF-8 to the current locale is not installed on this work station.

System action: TSM continues processing using the English language message repository.

User response: Make sure the required iconv converter is installed properly. If the problem continues, see your system administrator for further help.

FMV0201E Invalid parameter was found.

Explanation: The system encountered an internal program error due to an invalid parameter.

System action: The system returns to the calling procedure.

User response: Ask your service representative to check the error log.

FMV0202E Not authorized to restore the other node's data.

Explanation: The client is not authorized to restore the other node's data.

System action: The system returns to the calling procedure.

User response: Get authorization from the other node.

FMV0203E The objName field has no leading directory separator.

Explanation: The objName field does not have a leading directory separator.

System action: The system returns to the calling procedure.

User response: Correct the value for the objName.

FMV0204E Wildcards are not allowed in the objName directory path.

Explanation: Wildcards are not allowed in the objName directory path.

System action: The system returns to the calling procedure.

User response: Correct the value for the objName.

FMV0205E Unable to open error log file.

Explanation: The system is unable to open the error log file.

System action: The system returns to the calling procedure.

User response: Verify the DSMI_LOG value and access permission. On the AS/400® platform, verify the value specified for ERRORLOGNAME in the API options file.

FMV0206E The log file cannot be written to.

Explanation: There was an error writing to the log file.

System action: The system returns to the calling procedure.

User response: Verify the DSMI_LOG value and access permission. on the AS/400 platform, verify the value specified for ERRORLOGNAME in the API options file.

FMV0207E The log file name was not specified.

Explanation: The system is unable to open the error log file.

System action: The system returns to the calling procedure.

User response: Verify the DSMI_LOG value and access permission. On the AS/400 platform, verify the value specified for ERRORLOGNAME in the API options file.

FMV0208E The TCP/IP WINSOCK.DLL file cannot be found.

Explanation: The TCP/IP WINSOCK.DLL file cannot be found.

System action: Processing stopped.

User response: Verify your TCP/IP installation.

FMV0209E An error occurred while loading a library.

Explanation: An error occurred while loading a library. The TCP/IP DLL load failed.

System action: Processing stopped.

User response: Verify your TCP/IP installation.

FMV0210E The TCP/IP load function failed.

Explanation: An error occurred while locating a function. The TCP/IP load function failed.

System action: Processing stopped.

User response: Verify your TCP/IP installation.

FMV0211E The object name pointer is NULL.

Explanation: There is no value provided for the object name pointer.

System action: The system returns to the calling procedure.

User response: Provide an address for the dsmObjName structure.

FMV0212E The data block pointer is NULL.

Explanation: There is no value provided for the data block pointer.

System action: The system returns to the calling procedure.

User response: Provide an address for the DataBlk structure.

FMV0213E The object attribute pointer is NULL.

Explanation: There is no value provided for the object attribute pointer.

System action: The system returns to the calling procedure.

User response: Provide an address for the ObjAttr structure.

FMV0214E There is no server session information.

Explanation: The server did not respond with the session information.

System action: The system returns to the calling procedure.

User response: Verify the server status.

FMV0215E There is no server policy information.

Explanation: The server did not respond with the policy information.

System action: The system returns to the calling procedure.

User response: Verify the server policy definitions.

FMV0216E The dataBlk bufferLen value is zero.

Explanation: The value for the dataBlk bufferLen is zero.

System action: The system returns to the calling procedure.

User response: Provide a non-zero value for the bufferLen.

FMV0217E The dataBlk bufferPtr is NULL.

Explanation: There is no value provided for the dataBlk bufferPtr.

System action: The system returns to the calling procedure.

User response: Provide an address for the bufferPtr.

FMV0218E The objType is invalid.

Explanation: The value for the objType is invalid.

System action: The system returns to the calling procedure.

User response: The value for dsmObjName.objType must be:

- DSM_OBJ_FILE or DSM_OBJ_DIRECTORY for Backup, or
- DSM_OBJ_FILE for Archive.

FMV0219E The dsmEndTxn vote is invalid.

Explanation: The dsmEndTxn vote is invalid.

System action: The system returns to the calling procedure.

User response: The vote must be DSM_VOTE_COMMIT or DSM_VOTE_ABORT.

FMV0220E An invalid option was found during option parsing.

Explanation: An invalid option was found.

System action: The system returns to the calling procedure.

User response: Verify the options in dsm.opt, dsm.sys, and the options string. Check the error log for more details about the error. on the AS/400 platform, verify the options in *LIB/QOPTTSM(APIOPT).

FMV0221E There was an error in the TSM API internals.

Explanation: The system encountered an error in the API internals.

System action: The system returns to the calling procedure.

User response: Shut down the process and retry the operation. Verify that any previous dsmInit calls were cleaned up and terminated by a dsmTerminate call. If the problem continues, contact your system administrator or service representative.

FMV0222E The repository type is invalid.

Explanation: The repository type is invalid.

System action: The system returns to the calling procedure.

User response: For dsmDeleteFS the repository must be one of the following:

- DSM_ARCHIVE_REP
- DSM_BACKUP_REP
- DSM_REPOS_ALL.

FMV0223E Filespace name should start with the directory delimiter.

Explanation: The filespace name is invalid.

System action: The system returns to the calling procedure.

User response: Filespace name should start with the directory delimiter.

FMV0224E The object name is either an empty string or has no leading delimiter.

Explanation: The object name is invalid because of an empty string or there is no leading delimiter.

System action: The system returns to the calling procedure.

User response: Verify the format of the dsmObjName full path.

FMV0225E Low level qualifier of the object name should start with the directory delimiter.

Explanation: The low level qualifier for the object name is invalid.

System action: The system returns to the calling procedure.

User response: Start the low level qualifier of the object name with the directory delimiter.

FMV0226E The object owner is invalid.

Explanation: The object owner must be either the root user, or the object owner must be the same as the session owner.

System action: The system returns to the calling procedure.

User response: Verify the session owner and object owner.

FMV0227E The dsmBindMC sendType is invalid.

Explanation: The dsmBindMC sendType is invalid.

System action: The system returns to the calling procedure.

User response: The sendType must be one of the following:

- stBackup
- stArchive
- stBackupMountWait
- stArchiveMountWait

FMV0228E The dsmSendObj sendType is invalid.

Explanation: The dsmSendObj sendType is invalid.

System action: The system returns to the calling procedure.

User response: The sendType must be one of the following:

- stBackup
- stArchive
- stBackupMountWait
- stArchiveMountWait

FMV0229E The dsmDeleteObj delType is invalid.

Explanation: The dsmDeleteObj delType is invalid.

System action: The system returns to the calling procedure.

User response: The delType must be dtBackup or dtArchive.

FMV0230E The query Backup objState is invalid.

Explanation: The query Backup objState is invalid.

System action: The system returns to the calling procedure.

User response: The qryBackupData.objState must be one of the following:

- DSM_ACTIVE
- DSM_INACTIVE
- DSM_ANY_MATCH

FMV0231E The management class name was not found.

Explanation: A query or send operation is unable to find the management class name.

System action: The system returns to the calling procedure.

User response: Verify the management class name.

FMV0232E The drive letter is not an alphabetic character.

Explanation: The drive letter is not an alphabetic character. This return code is valid on Microsoft Windows only.

System action: The system returns to the calling procedure.

User response: Verify that the drive designation is an alphabetic character. The referenced field is dsmDosFSAttrib.driveLetter.

FMV0233E The Register Filespace name is NULL.

Explanation: There is no value provided for the Register Filespace name.

System action: The system returns to the calling procedure.

User response: Provide a filespace name on dsmRegisterFS.

FMV0234E The new password value is NULL or blank.

Explanation: There is no value provided for new password.

System action: The system returns to the calling procedure.

User response: Provide a new password on dsmChangePW.

FMV0235E The old password value is NULL or blank.

Explanation: There is no value provided for old password.

System action: The system returns to the calling procedure.

User response: Provide an old password on dsmChangePW.

FMV0236E On dsmInit, the owner is not allowed to establish a session when PASSWORDACCESS=generate.

Explanation: PASSWORDACCESS=GENERATE establishes a session with the current login user as the owner. The application should set clientOwnerNameP to NULL when PASSWORDACCESS=GENERATE is in effect.

System action: The system returns to the calling procedure. Whether the application can continue processing depends on how the application handles the error.

User response: This message applies to applications that utilize the TSM API, and is intended primarily for the vendor of the application for which the message is issued. Depending on the application, this could be a configuration issue.

Consult the documentation for the application and verify that the application is configured correctly. If the problem persists, contact the application vendor for further assistance.

FMV0237E On dsmInit, the node is not allowed when PASSWORDACCESS=generate.

Explanation: PASSWORDACCESS=generate establishes a session with the current hostname as the node.

System action: The system returns to the calling procedure.

User response: When using PASSWORDACCESS=generate, set clientNodeNameP to NULL.

FMV0238E The sequence of calls is invalid.

Explanation: The sequence of calls is invalid.

System action: The system returns to the calling procedure.

User response: Verify the transaction call sequence.

FMV0239E On dsmSendObj, wildcards are not allowed for the objName.

Explanation: On dsmSendObj, wildcards are not allowed for the objName.

System action: The system returns to the calling procedure.

User response: Provide a fs, hl, and ll on the dsmObjName.

FMV0240E The filespace to delete/set access cannot be found.

Explanation: The filespace to delete cannot be found.

System action: The system returns to the calling procedure.

User response: Verify the filespace name.

FMV0241E On dsmSendObj, dsmDeleteObj, or dsmUpdateFS the filespace is not registered.

Explanation: On dsmSendObj, dsmDeleteObj, or dsmUpdateFS, the filespace is not registered.

System action: The system returns to the calling procedure.

User response: Verify the filespace name.

FMV0242W On dsmRegisterFS the filespace is already registered.

Explanation: On dsmRegisterFS the filespace is already registered.

System action: The system returns to the calling procedure.

User response: Verify the filespace name.

FMV0243E On dsmBeginGetData the objID is NULL.

Explanation: On dsmBeginGetData, the objID is NULL.

System action: The system returns to the calling procedure.

User response: Verify the following:

- The dsmGetList is not NULL.
- Each objID is not NULL.
- The dsmGetList numObjId is not zero.

FMV0244E On dsmInit the caller's API version is different than the TSM library version.

Explanation: On dsmInit the caller's API version has a higher value than the TSM library version.

System action: The system returns to the calling procedure.

User response: Install the latest TSM API library and trusted agent module.

FMV0245E The caller's structure version is different than the TSM library version.

Explanation: The caller's structure version is different than the TSM library version.

System action: The system returns to the calling procedure.

User response: Ensure that the stVersion field is set with the value in the header file. Recompile the application with the latest header files.

FMV0246E Issue dsmEndTxn and then begin a new transaction session.

Explanation: This transaction must be ended and a new one must be started due to one of the following reasons:

- The destination changed.
- The byte limit is exceeded
- The maximum number of objects is exceeded.

System action: The system returns to the calling procedure.

User response: Issue dsmEndTxn and start a new transaction session.

FMV0247E The backup or archive object is excluded from processing.

Explanation: The backup or archive object is excluded from processing.

System action: The system returns to the calling procedure.

User response: Verify the objName and Exclude lists.

FMV0248E The backup object does not have a copy group.

Explanation: The backup object does not have a copy group.

System action: The system returns to the calling procedure.

User response: Verify server policy definitions.

FMV0249E The archive object does not have a copy group.

Explanation: The archive object does not have a copy group.

System action: The system returns to the calling procedure.

User response: Verify server policy definitions.

FMV0250E Memory used by the TSM API has been corrupted.

Explanation: Memory used by the TSM API has been corrupted.

System action: The system returns to the calling procedure.

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

FMV0251E The sendObj Archive description is too long.

Explanation: The sendObj Archive description is too long.

System action: The system returns to the calling procedure.

User response: The sndArchiveData.descr string must be less than or equal to DSM_MAX_DESCR_LENGTH.

FMV0252E The sendObj ObjAttr.objInfo is too long.

Explanation: The sendObj ObjAttr.objInfo is too long.

System action: The system returns to the calling procedure.

User response: The objInfo field must be less than or equal to DSM_MAX_OBJINFO_LENGTH.

FMV0253E The sendObj dsmObjName.hl is too long.

Explanation: The sendObj dsmObjName.hl is too long.

System action: The system returns to the calling procedure.

User response: The hl field must be less than or equal to DSM_MAX_HL_LENGTH.

FMV0254E The password, or encryptionPassword string provided is too long.

Explanation: The value provided for password or encryptionPassword is too long.

System action: The system returns to the calling procedure.

User response: The password or encrypionPassword field must be less than DSM_MAX_VERIFIER_LENGTH.

FMV0255E The sendObj dsmObjName.fs is too long.

Explanation: The sendObj dsmObjName.fs is too long.

System action: The system returns to the calling procedure.

User response: The fs field must be less than or equal to DSM_MAX_FS_LENGTH.

FMV0256E The sendObj dsmObjName.ll is too long.

Explanation: The sendObj dsmObjName.ll is too long.

System action: The system returns to the calling procedure.

User response: The ll field must be less than or equal to DSM_MAX_LL_LENGTH.

FMV0257E On RegisterFS or UpdateFS the fsAttr's fsInfo is too long.

Explanation: On RegisterFS or UpdateFS the fsAttr's fsInfo is too long.

System action: The system returns to the calling procedure.

User response: The fsInfo field must be less than or equal to DSM_MAX_FSINFO_LENGTH.

FMV0258I On dsmGetNextQObj or dsmGetData there is more available data.

Explanation: On dsmGetNextQObj or dsmGetData there is more available data.

System action: The system returns to the calling procedure.

User response: Call the function again.

FMV0259E The dataBlk buffer is too small for the query response.

Explanation: The dataBlk buffer is too small for the query response.

System action: The system returns to the calling procedure.

User response: On dsmGetNextQObj ensure that the dataBlk buffer is at least as big as the query response structure.

FMV0260E An invalid option keyword was found during option parsing.

Explanation: An invalid option keyword was found in the dsmInit configuration file, the option string, dsm.sys, or dsm.opt.

System action: The system returns to the calling procedure.

User response: Correct the spelling of the option keywords. Verify that the dsmInit configuration file only has a subset of the dsm.sys options. Check the error log for more details about the error.

FMV0261E The configuration file specified on dsmInit cannot be opened.

Explanation: The configuration file specified on dsmInit cannot be opened.

System action: The system returns to the calling procedure.

User response: Verify the file name.

FMV0262E The Include/Exclude definition file was not found.

Explanation: The Include/Exclude definition file was not found.

System action: The system returns to the calling procedure.

User response: Verify the file name on the Inclexcl option.

FMV0263E Either the dsm.sys file was not found, or the Inclexcl file specified in dsm.sys was not found.

Explanation: Either the dsm.sys file was not found, or the Inclexcl file specified in dsm.sys was not found.

System action: The system returns to the calling procedure.

User response: The dsm.sys file must be in the directory referenced by the environment variable DSMI_DIR. Verify the file name on the Inclexcl option in the dsm.sys file.

FMV0264E Only a UNIX root user can execute dsmChangePW or dsmDeleteFS.

Explanation: Only a UNIX root user can execute dsmChangePW or dsmDeleteFS.

System action: The system returns to the calling procedure.

User response: Run this program as a root user.

FMV0265E You must issue dsmBindMC before dsmSendObj.

Explanation: You must issue dsmBindMC before dsmSendObj.

System action: The system returns to the calling procedure.

User response: Modify your program.

FMV0266I The dsmEndTxn vote is ABORT, so check the reason field.

Explanation: After a dsmEndTxn call, the transaction is aborted by either the server or client with a DSM_VOTE_ABORT and the reason is returned.

System action: The system returns to the calling procedure.

User response: Check the reason field for the code which explains why the transaction has been aborted.

FMV0267E Invalid command line option/value: '*option*'

Explanation: The *option* is not valid on this command line.

System action: Processing stops

User response: Verify that the option and value are not misspelled and are valid with the current command.

FMV0268E Server problem: Destination not defined.

Explanation: Server problem: Destination not defined.

System action: Processing stopped.

User response: Have your service representative check the error log.

FMV0269S The structured file data type is unknown.

Explanation: An unknown and unexpected error code occurred within the client program. The structured file data type is unknown. This is a programming failure and the client program ends.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, contact your system administrator.

FMV0270S The data buffer overflowed.

Explanation: The data buffer overflowed. This is a programming failure and the client program ends.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, contact your system administrator.

FMV0271E No more files can be restored or retrieved since the destination directory is full.

Explanation: No more files can be restored or retrieved since the destination directory is full.

System action: Processing stopped.

User response: Free up disk space, or restore or retrieve the file to another disk.

FMV0272I The operation is finished.

Explanation: The operation is finished.

System action: The system returns to the calling procedure.

User response: Proceed with next function call.

FMV0273E The trusted agent execution/owner permissions are invalid.

Explanation: The trusted agent execution/owner permissions are invalid.

System action: Processing stopped.

User response: Have your system administrator check the installation instructions for the client to ensure that the trusted agent permissions are set correctly.

FMV0274S Process killed.

Explanation: Processing stopped. This is a programming failure and the client program ends.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, contact your system administrator.

FMV0275S Trusted agent would block the operation.

Explanation: The trusted agent blocks the operation. This is a programming failure and the client program ends.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, contact your system administrator.

FMV0276S The area for the include/exclude pattern is too small.

Explanation: The area for the include/exclude pattern is too small. This is a programming failure and the client program ends.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, contact your system administrator.

FMV0277S There is no closing bracket in the pattern.

Explanation: There is no closing bracket in the pattern. This is a programming failure and the client program ends.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, contact your system administrator.

FMV0278S The transaction will be aborted.

Explanation: The server encountered an error and will abort the transaction.

System action: The transaction will be aborted. The reason code is passed on the dsmEndTxn call.

User response: Issue the dsmEndTxn with a vote of DSM_VOTE_COMMIT and examine the reason code.

FMV0279I A file was skipped during a restore operation because the file is off line and the application has chosen not to wait for a tape mount.

Explanation: A file was skipped during a restore operation because the file is off line and the application has chosen not to wait for a tape mount.

System action: File skipped.

User response: Verify the application sets the mountWait value correctly on dsmBeginGetData.

FMV0280E Unable to find Trusted Agent module.

Explanation: TSM was unable to find the TSM Trusted Agent module in the specified directory. The name of the TSM Trusted Agent module is dsmtca.

System action: TSM ends.

User response: Make sure the Trusted Agent module is in the directory specified by DSMI_DIR.

FMV0282E Password file is not available.

Explanation: The file containing the stored password for the specified *server-name* is unavailable.

System action: TSM ends.

User response: The root user must set and store a new password.

FMV0283E High level qualifier of the object name should start with the directory delimiter.

Explanation: The high level qualifier for the object name is invalid.

System action: The system returns to the calling procedure.

User response: High level qualifier of the object name should start with the directory delimiter.

FMV0284E The number of objects on dsmBeginGetData exceeds DSM_MAX_GET_OBJ | DSM_MAX_PARTIAL_GET_OBJ.

Explanation: The number of objects (numObjId) specified on the dsmBeginGetData call exceeds DSM_MAX_GET_OBJ | DSM_MAX_PARTIAL_GET_OBJ.

System action: The system returns to the calling procedure.

User response: Check the number of objects before calling dsmBeginGetData. If it is greater than DSM_MAX_GET_OBJ | DSM_MAX_PARTIAL_GET_OBJ, then issue multiple Get call sequences.

FMV0285E The update action is invalid.

Explanation: The dsmUpdateFS or dsmUpdateObj action is invalid.

System action: The system returns to the calling procedure.

User response: Correct the action value. Valid values are defined in dsmapitd.h and documented in our Using the API book.

FMV0286E The key file is missing.

Explanation: The key file for Tivoli Data Protection application client for Oracle cannot be found.

System action: The system returns to the calling procedure.

User response: Ensure that you have ordered the Tivoli Data Protection application client which contains TDP for Oracle, and install the key file.

FMV0287E The key file content is invalid.

Explanation: The key file content for Tivoli Data Protection application client for Oracle is invalid.

System action: The system returns to the calling procedure.

User response: Ensure that you have ordered the Tivoli Data Protection application client which contains

the TDP for Oracle, and install the key file.

FMV0296I Encryption key passwords are not the same. Please try again...

Explanation: TSM found that the encryption key passwords do not match.

System action: You are prompted for the encryption key password.

User response: Enter the correct encryption key password.

FMV0297E Error opening specified file.

Explanation: The specified file could not be located or opened.

System action: Attempts to open file failed.

User response: Make sure the file exists.

FMV0298E Session Rejected: The specified user id is currently locked

Explanation: The user id you specified is currently locked on the server.

System action: Session was not started.

User response: Check with your system administrator to find out why your user id is locked.

FMV0299E Scheduler cannot be started manually because the value of MANAGEDSERVICES option is SCHEDULE.

Explanation: if MANAGEDSERVICES SCHEDULE is indicated in the option file, the TSM scheduler cannot be started in the traditional manner.

System action: Scheduler stopped.

User response: If you are not going to use dsmcad to manage the schedule anymore, stop dsmcad and remove MANAGEDSERVICES option from the option file.

FMV0302I Successfully done.

Explanation: The operation successfully completed.

System action: None.

User response: None.

FMV0304E The password is too short.

Explanation: The new password does not have enough characters.

System action: The password is not updated on the server.

User response: Choose a different password. Contact your TSM administrator to lean the password requirements.

FMV0305E It is too soon after the previous update to change the password.

Explanation: The password cannot be changed since not enough time has elapsed since the last password update.

System action: The password is not updated on the server.

User response: Try to change your password again later.

FMV0306E The password was previously used.

Explanation: The new password that you entered was previously used.

System action: The password is not updated on the server.

User response: Choose a different password.

FMV0307E The password does not meet the requirements.

Explanation: The new password that you entered does not meet the requirements, such as the number of special characters or digits.

System action: The password is not updated on the server.

User response: Choose a different password. Contact your TSM administrator to learn the password requirements.

FMV0308E Remote operation failed to start on *obj-name***. Status:** *status* **reason:** *reason*

Explanation: The request to start a remote operation has failed for the indicated node and filespace. The status and the reason for the failure are shown.

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV0309E Remote operation failed to start on *obj-name***. Status:** *status*

Explanation: The request to start a remote operation has failed for the indicated node and filespace. The status of the failure is shown.

System action: IBM Tivoli Storage Manager ended the current operation.

User response: Contact your system administrator for more information.

FMV0311E The tsmBuffHandle is invalid, or the value of dataPtr is invalid.

Explanation: An invalid value for a handle or dataPtr has been passed into the API.

System action: The system returns to the calling procedure.

User response: There is a problem with the calling application. Verify the values of the tsmBuffHandle and dataptr passed to the API.

FMV0312E The number of bytes copied into the tsmBuffer is larger than the allowed value.

Explanation: An invalid number of bytes was copied to a tsmBuffer.

System action: The system returns to the calling procedure.

User response: There is a problem with the calling application. Verify the number of bytes copied into the tsmBuffer.

FMV0313E dsmTerminate cannot finish because the application is holding on to 1 or more tsmBuffers.

Explanation: An application is trying to terminate a session, but is still holding some tsmBuffers.

System action: The system returns to the calling procedure.

User response: The application must return all buffers for this session by calling tsmReleaseBuffer, and then issue dsmTerminate.

FMV0314E An internal error occurred in the tsmBuffer array.

Explanation: An internal API buffer array error occurred.

System action: The system returns to the calling procedure.

User response: Try the operation again. If the problem continues, contact your system administrator or service representative.

FMV0315E Unable to open message text file.

Explanation: The system is unable to open the message txt file (dscenu.txt or dsmclientV3.cat for AIX). On the AS/400 platform this file is QANSAPI/QAANSENU(TXT).

System action: The system returns to the calling procedure.

User response: Verify that the dscenu.txt file is in the directory pointed to by DSMI_DIR. For AIX, verify that the dsmclientV3.cat file has a symbolic link to /usr/lib/nls/msg/<locale>/dsmclientV3.cat .

FMV0316E Unable to use message text file.

Explanation: The system is unable to use the message text file (dscenu.txt or dsmclientV3.cat for AIX) because of an invalid header. On the AS/400 platform this file is QANSAPI/QAANSENU(TXT).

System action: The system returns to the calling procedure.

User response: Install the message text file again.

FMV0317E Unable to use message text file.

Explanation: The system is unable to use the message txt file (dscenu.txt or dsmclientV3.cat for AIX) because of an invalid control record. On the AS/400 platform this file is QANSAPI/QAANSENU(TXT).

System action: The system returns to the calling procedure.

User response: Install the message text file again.

FMV0318E Invalid value for DATEFORMAT specified.

Explanation: An invalid value is specified for DATEFORMAT.

System action: The system returns to the calling procedure.

User response: Specify a valid value.

FMV0319E Invalid value for TIMEFORMAT specified.

Explanation: An invalid value is specified for TIMEFORMAT.

System action: The system returns to the calling procedure.

User response: Specify a valid value.

FMV0320E Invalid value for NUMBERFORMAT specified.

Explanation: An invalid value is specified for NUMBERFORMAT.

System action: The system returns to the calling procedure.

User response: Specify a valid value.

FMV0321E msg parameter for dsmRCMsg is a NULL pointer.

Explanation: The message parameter for dsmRCMsg is a NULL pointer.

System action: The system returns to the calling procedure.

User response: Allocate enough space for the message parameter.

FMV0322E no text available for this return code.

Explanation: The dsmRC parameter for dsmRCMsg is an unsupported return code.

System action: The system returns to the calling procedure.

User response: Specify a valid value.

FMV0323E partialObjOffset value for partial object retrieve is invalid.

Explanation: The partialObjOffset value for partial object retrieve is invalid.

System action: The system returns to the calling procedure.

User response: Specify a valid value.

FMV0324E partialObjLength value for partial object retrieve is invalid.

Explanation: partialObjLength value for partial object retrieve is invalid.

System action: The system returns to the calling procedure.

User response: Specify a valid value.

FMV0325E Partial Object Retrieve is not supported on this server.

Explanation: The TSM server specified by the user does not support partial object retrieve.

System action: The system returns to the calling procedure.

User response: Specify a TSM server which supports the partial object retrieve function.

FMV0326E This node has exceeded its maximum number of mount points.

Explanation: Either no tape or sequential disk mount points are permitted for this operation, or the maximum number of mount points allowed are already in use. The operation can not be completed. The TSM administrator defines the maximum number of mount points with the MAXNUMMP property of your node definition.

System action: The object is skipped

User response: If you are performing any other TSM operations that might be using mount points, wait until those operations are complete, then try the failed operation again. Otherwise contact your TSM administrator for further assistance

FMV0327E A duplicate object was found, operation cannot complete.

Explanation: A duplicate object was found, operation cannot complete.

System action: The requested operation failed.

User response: Try the operation with a different file specification.

FMV0328E The specified objects failed the merge test.

Explanation: The specified objects failed the merge test, operation cannot complete.

System action: The requested operation failed.

User response: See documentation for the merge test parameters.

FMV0330E The dsmSetAccess access Type is invalid.

Explanation: The dsmSetAccess accessType is invalid.

System action: The system returns to the calling procedure.

User response: The accessType must be one of the following:

- atBackup
- atArchive

FMV0331E No files have been previously backed up for this filename/filespace.

Explanation: You tried to set access to files when no files for the specified filename, drive or file system were previously backed up.

System action: Processing stopped.

User response: Ensure that the correct drive or file system was specified and that files are backed up for you to set access.

FMV0332E No files have been previously archived for this filename/filespace.

Explanation: You tried to set access to files when no files for the specified filename, drive or file system were previously archived.

System action: Processing stopped.

User response: Ensure that the correct drive or file system was specified and that files are archived for you to set access.

FMV0333E Unknown Remote Mover type

Explanation: The specified Remote Mover type is unknown.

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV0334E An Operation for the requested node and filespace is already in progress.

Explanation: A request has been made to use a data mover to perform an operation for the indicated node and filespace. Since an operation for this node and filespace is already in progress, the new operation cannot be performed.

System action: TSM ended the current operation.

User response: Retry the operation at a later time.

FMV0335E System resource in use

Explanation: A required resource is in use by another command or process.

System action: TSM ended the current operation.

User response: Retry the operation at a later time.

FMV0336E Server plugin communication error

Explanation: Communication between a server plugin module and a NAS filer failed.

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV0337E Server plugin detected unsupported NAS filer operating system.

Explanation: A plugin module detected that a NAS filer is running an unsupported operating system or operating system level.

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV0338E An invalid operation was attempted on a node

Explanation: The operation is not valid.

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV0339E The specified target storage pool is not defined.

Explanation: The storage pool is not defined.

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV0340E A target storage pool does not have the correct data format for the given node type.

Explanation: none

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV0341E No associated data mover is defined for the given node.

Explanation: none

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV0342E The CRC received from the Server does not match the CRC calculated by the client.

Explanation: The server sent a CRC for a buffer. The client calculated a CRC for the same buffer. These did not match. The mismatch indicates a communication failure.

System action: In some cases, the client can indicate the failure to the server and retry the operation.

User response: Check the trace log for additional information and retry the operation. If the problem persists, contact your system administrator.

FMV0343E An invalid operation was attempted on a group leader or group member.

Explanation: An invalid operation was attempted on a logical group.

System action: The current operation stops.

User response: Retry a valid operation.

FMV0344E Cannot Send data with a zero byte sizeEstimate.

Explanation: You cannot send data for an object with size estimate = 0.

System action: The system returns to the calling procedure.

User response: Set size estimate greater than 0 in dsmSendObj.

FMV0345E Remote disk not defined.

Explanation: An operation was attempted on a remote disk that is not defined.

System action: The current operation stops.

User response: Define the proper remote disk.

FMV0346E Input destination does not match expected destination.

Explanation: Input destination does not match expected destination.

System action: The current operation stops.

User response: Retry operation with proper destination.

FMV0347E Data mover is not available.

Explanation: Data mover is not available.

System action: The current operation stops.

User response: Retry operation with a proper Data mover.

FMV0348E Operation failed because the copy continue option was set to NO.

Explanation: Operation failed because the copy continue option was set to NO.

System action: The current operation stops.

User response: This abort code indicates that a store operation, like backup or archive failed because the copy continue option was set to NO. The sysadmin will need to resolve the problem on the server end.

FMV0349E Transaction failed because of a problem during a store operation.

Explanation: Transaction failed because of a problem during a store operation. This error is typical when the next storage pool has a different copy storage pool list and we switch to this pool in the middle of a transaction.

System action: Transaction is aborted.

User response: Resend objects in separate transactions.

FMV0350E The current client configuration does not comply with the value of the DATAWRITEPATH or DATAREADPATH server option for this node.

Explanation: The values of the DATAWRITEPATH and DATAREADPATH server options specify where the client is allowed to send data, and where data is read from. The values for the specified node name should correspond with the client configuration. For example, you will get this error message if DATAWRITEPATH contains a LAN value and the client is configured to use LAN-free protocol, or vice versa.

System action: Processing stopped.

User response: Check the client, server, and storage agent logs to determine why the client was not able to send data LAN-free. Make sure the client configuration and server options are compatible.

FMV0351E The node or user does not have proper authority to perform this operation

Explanation: The node or user does not have proper authority to perform this operation.

System action: The transaction is ended.

User response: Check the authority for the specified object.

FMV0352E The operation is not permitted due to server licenses values.

Explanation: The node or user is trying to perform an operation that either exceeds license values, or is not licensed.

System action: The session is rejected or the transaction is cancelled, ending the current operation.

User response: See your system administrator.

FMV0353E When using useTsmBuffers, dataBlk must be NULL in calls to dsmSendObj and dsmGetObj.

Explanation: The value for dataBlk must be NULL when using useTsmBuffers.

System action: The system returns to the calling procedure.

User response: There is a problem with the calling application. Contact your application provider

FMV0354E Encryption is not allowed when using useTsmBuffers.

Explanation: useTsmBuffers does not support encryption.

System action: The system returns to the calling procedure.

User response: Try the operation again, without using useTsmBuffers, or disable encryption for this operation.

FMV0355E This object cannot be restored/retrieved using useTsmBuffers, because it is compressed.

Explanation: useTsmBuffers does not support compression.

System action: The system returns to the calling procedure.

User response: Try the operation again, without using useTsmBuffers.

FMV0356E This object cannot be restored/retrieved using useTsmBuffers, because it is encrypted.

Explanation: useTsmBuffers does not support encryption.

System action: The system returns to the calling procedure.

User response: Try the operation again, without using useTsmBuffers.

FMV0357E When using useTsmBuffers, a restore/retrieve with partial object restore is not allowed.

Explanation: useTsmBuffers does not support partial object restore.

System action: The system returns to the calling procedure.

User response: Make sure the calling application is either using Partial object restore or useTsmBuffers.

FMV0358E No encryption key was found. If you are using -encryptkey=prompt make sure there is a value in the encryptionPasswordP field and that bEncryptKeyEnabled is set to true.

Explanation: There was no encryption key found in the password file, or no key was provided by the application.

System action: The system returns to the calling procedure.

User response: If you are using -encryptkey=prompt, make sure there is a value in encryptionPasswordP and that bEncryptKeyEnabled is set to true.

FMV0359E Conflicting encryption key options have been specified.

Explanation: When using the ENABLEENCRYPTKEY option, the parameter bEncryptKeyEnabled for the TSM API dsmInitExIn_t and tsmInitExIn_t structures cannot be set to bTrue.

System action: The system returns to the calling procedure.

User response: Either remove the ENABLEENCRYPTKEY option from the options file, or set the parameter bEncryptKeyEnabled to bFalse in the program using the TSM API.

FMV0360E The CAD cannot start because the value of the MANAGEDSERVICES option is NONE.

Explanation: The CAD will not start if MANAGEDSERVICES NONE is set in the option file. The CAD is designed to manage the web client or TSM schedules. By specifying NONE, the CAD will not manage any services.

System action: The CAD will stop processing.

User response: Specify either WEBCLIENT or SCHEDULER for the MANAGEDSERVICES option in the option file then restart the CAD.

FMV0361I DIAG:

Explanation: The message text is provided for diagnostic purposes and is meant to provide information to IBM support in problem determination.

System action: None.

User response: None.

FMV0400E License file could not be opened.

Explanation: The license file was not found, or could not be opened because of permissions or the file is corrupted.

System action: The system returns to the calling procedure.

User response: Check permissions on file. See if the license file is in the correct place.

FMV0401E Read failure on the license file.

Explanation: The license file was not found, or could not be opened because of permissions, or the file is corrupted.

System action: The system returns to the calling procedure.

User response: Check permissions on file. See if the license file is in the correct place.

FMV0402E Write failure on the license file.

Explanation: The license file was not found, or could not be opened because of permissions or the file is corrupted.

System action: The system returns to the calling procedure.

User response: Check permissions on file. See if license file is in the correct place.

FMV0403E Data in the license file is not in a valid format.

Explanation: The license file is not valid.

System action: The system returns to the calling procedure.

User response: User needs to obtain a new license.

FMV0404E The checksum in the license file does not match the licenseregistration string.

Explanation: The registration string is not valid.

System action: The system returns to the calling procedure.

User response: User needs to obtain a new license.

FMV0405E This is an expired try and buy license.

Explanation: The registration string is not valid.

System action: The system returns to the calling procedure.

User response: User needs to obtain a new license.

FMV0410E Oracle passed invalid mode

Explanation: Invalid mode passed by Oracle.

System action: The system returns to the calling procedure.

User response: Contact your system administrator.

FMV0411E Oracle passed null file name

Explanation: Null filename passed by Oracle.

System action: The system returns to the calling procedure.

User response: Contact your system administrator.

FMV0412E Wrong data block size

Explanation: Wrong Block Size

System action: The system returns to the calling procedure.

User response: Contact your system administrator.

FMV0413E Object exists

Explanation: Backup or Restore Object already exists.

System action: The system returns to the calling procedure.

User response: If backing up an object, be sure to generate a unique object name.

FMV0414E Not same Oracle handle

Explanation: The handle passed from Oracle is not the same handle that TSM passed back.

System action: The system returns to the calling procedure.

User response: Contact your system administrator.

FMV0415E End of file reached

Explanation: End of file reached.

System action: The system returns to the calling procedure.

User response: None

FMV0416E Wrong Read State

Explanation: The operation must be in READ state.

System action: The system returns to the calling procedure.

User response: Contact your service representative.

FMV0417E Runtime API version is outdated

Explanation: Runtime API is lower than compile time API.

System action: The system returns to the calling procedure.

User response: Use the WHAT command to find out the compile time API level. Obtain the same or higher level of API library.

FMV0418E Wrong write state

Explanation: The operation must be in WRITE state.

System action: The system returns to the calling procedure.

User response: Contact your service representative.

FMV0419E Invalid flag passed

Explanation: Invalid flag passed from Oracle.

System action: The system returns to the calling procedure.

User response: Contact your system administrator.

FMV0420W Warning! Restoring inactive system state objects is not recommended. Do you wish to continue?

Explanation: Restoring inactive system state objects may cause system instability. Examples of possible problems include:

- Applications that were installed after the time the system state was backed up cannot function properly after restoring the inactive system state
- Critical operating system updates installed after the inactive system state backup was made can no longer be available, or may not function correctly.

Restoring inactive system state objects is not recommended unless you are certain that this is what you need to do.

System action: If user responds with yes, the client will restore the object. If user responds with no, the client will cancel the operation.

User response: Reply to the prompt. If you are unsure, reply no, and consult your system administrator or operating system vendor before proceeding further.

FMV0421W Unable to synchronize the node password with the user id password provided.

Explanation: The node password was not updated due to the reason described in the error message preceding this one.

System action: The node password is not updated on the server. Next time you run the client you will be prompted for the password again.

User response: See the preceding error message.

FMV0422W The selected journal location is a network drive and might not be accessible from the journal service. Select a location on a local drive.

Explanation: It is not recommended to use a network device as the location where journal databases are stored. Placing journal databases on a network device can prevent the journal service from running.

System action: Processing continues.

User response: Choose a local drive where journal databases will be stored.

FMV0423E Directory '*filespace namepath-namefile-name*' cannot be created. Path does not exist.

Explanation: The operating system returned a "path not found" status when IBM Tivoli Storage Manager attempted to create the directory needed for Automated System Recovery (ASR). One possible reason is that a multi disk system is restored to a single disk system.

System action: Processing stopped.

User response: Please verify that you are restoring to identical hardware and try again.

FMV0990W Options file '*file-name*' could not be found. Default option values will be used.

Explanation: Common reasons for this warning include:

- The default options file does not exist, and
- You did not specify the -OPTFILE option when starting the TSM client, and
- the environment variable DSM_CONFIG was not set.

System action: TSM client assumes default values for all client options and continues processing, using the default server name and associated options found in the dsm.sys file.

User response: If the default system action is acceptable, you can eliminate this message by creating an empty dsm.opt file in the installation directory.

If you have a client user options file (dsm.opt), either place it in the installation directory or set the DSM_CONFIG environment variable to the fully-qualified path and file name of your options file.

Review the information on configuring TSM in the TSM client manual specific to your operating system. If the problem persists, ask your TSM administrator for further assistance.

FMV0991I TSM scheduler is listening for server requests on port *port number*

Explanation: This message indicates the port number on which the clients is listens for server requests. If the port number in the message differs from the default value or what you specified with the TCPCLIENTPORT option, it is because the port was in use by a different process.

System action: Processing continues.

User response: Normally no further action is required. If you require TSM to use a specific port number, you need to configure your system or applications so the number is avaible. Restart the TSM client and confirm it uses the desired port.

FMV0992E The destination filespace or drive letter is unavailable. For more details please see dsmerror.log.

Explanation: The system is trying to restore or retrieve to a destination that cannot be reached. The specified filespace name or drive letter is not valid, or does not exist, or you are specifying a local share name that cannot be resolved.

System action: Objects which are part of this filespace are not processed.

User response: Try the command again, and specify a different destination for the object that was not processed.

FMV0993E The source specification "*source*" has invalid format.

Explanation: The file system must be enclosed in curly braces and wildcards cannot be used except at the lower level.

System action: The command processing is terminated.

User response: Correct the specification and try the command again.

FMV0994E Invalid string '*string*' for virtual file space name or group name specification.

Explanation: You entered a virtual file space name or a group name specification that contains wildcard characters.

System action: Processing stopped.

User response: Enter a correct virtual file space name and a group name and try again. Use the pick option to display a list of groups from which you can select one group.

FMV0995E Volume '*volume-name*' could not be locked.

Explanation: The system call to lock the volume failed.

System action: Processing stopped.

User response: Please verify that no other application is accessing the volume. During restore of an image TSM must have exclusive use of the volume.

FMV1000E An unsupported communications method was specified.

Explanation: None.

System action: processing stops.

User response: Specify a communications interface that is supported by the TSM client on your operating system. See the TSM client manual for your operating system for further information on configuring TSM client communications.

FMV1001E Volume being backed up was not a system volume. Skipped.

Explanation: User specified to back up system volume only. This volume was not backed up since this volume is not a system volume.

System action: Volume was not backed up.

User response: Use All option or use image backup command to backup this volume.

FMV1002I MOS image is being created. It may take a while.

Explanation: Mini Operating System image is being created. It may take a while to create it.

System action: TSM is gathering necessary information.

User response: None.

FMV1003E Backup failed to start for node = *node-name*, file system = *fs-name*, errno = *error-code*, reason : *error-reason*

Explanation: An attempt to start backup for remote node failed.

System action: Backup fails.

User response: Retry the operation. If the problem persists, contact the server administrator.

FMV1004W Node has exceeded max tape mounts allowed. Operation for '*filespace-name*' will be tried again later.

Explanation: Node has exceeded max tape mounts allowed. The operation will be tried again later.

System action: The operation will be retried.

User response: Increase the number of allowed tape mounts for this node on the server to avoid this situation again.

FMV1005I TCP/IP read error on socket = *socket-id*, errno = *error-code*, reason : '*error-reason*'.

Explanation: An attempt to receive data using TCP/IP connection failed. If reason : 'Connection reset by peer', it is possible that the server control connection timed out. This can occur if the file transfer time is greater than the IDLETIMEOUT value set on the server.

System action: TCP/IP connection to server fails.

User response: If the timeout was due to a large file transfer time, you can ignore this message. The client will reconnect with the server automatically, finish transferring the data, and send statistics. You can also consider increasing the IDLETIMEOUT value in the server options file.

FMV1006I TCP/IP write error on socket = *socket-id*, errno = *error-code*, reason : *error-reason*

Explanation: An attempt to send data using TCP/IP connection failed.

System action: Connection to server fails.

User response: Retry the operation. If the problem persists, contact your system administrator.

FMV1007E **Sending of object '*object-nameobject-nameobject-name*' failed. There is no backup copy group.**

Explanation: The management class for this file (*object-name*) does not have a backup copy group. Either the default management class does not have a backup copy group, or an INCLUDE statement is attempting to bind the file to a management class that does not have a backup copy group.

System action: TSM did not back up the file.

User response: Run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes.

- If the file is being bound to the default management class, make sure the management class has a backup copy group.
- If the file is being bound to a management class specified in an INCLUDE statement, make sure that the management class has a backup copy group.
- If you have more than one TSM server, make sure you are connecting to the correct server.
- If you are unable to find a suitable management class, contact your TSM administrator for further assistance.

FMV1008E **Sending of object '*object-nameobject-nameobject-name*' failed: No Archive Copy Group**

Explanation: The management class for this file (*object-name*) did not have an archive copy group specified.

System action: TSM did not back up the file.

User response: See your system administrator.

FMV1009W **An error occurred processing the operating system include/exclude statements. The error was detected while processing:** *subsystemname***.**

Explanation: The client encountered an error while obtaining the automatic include/exclude statements from the operating system. Possible reasons for this error include:

- The specified registry key cannot be opened for reading
- The entry under this key has incorrect data

System action: Processing continues without the full list of operating system include/exclude statements.

User response: Ensure that you have access to the specified registry key and that entries are a MULTISZ values that contain:

- Individual files
- Directories
- Wild card entries
- Environment variables
- /s switch (the /s switch is used on directory and/or wild card entries and signifies that all subdirectories of this directory should be excluded)

If the cause of this message can not be determined or resolved, contact IBM technical support for further assistance.

FMV1010E **Error processing '*filespace-name*': Unsupported file system operation.**

Explanation: The file system does not support an operation required to process the file or directory.

System action: The file or directory is skipped. Depending on the specific error encountered, processing on Solaris clients might stop.

User response: Verify that the file system is supported by the TSM client. If a restore or retrieve failed, retry the operation to another location. If the problem persists, look for other indications of system problems. It may be necessary to run the operating system utility that checks and repairs file system inconsistencies. If the problem still cannot be resolved, contact your TSM administrator for further assistance.

FMV1015E **The session is rejected. The server does not allow a signon of a client that is not archive-retention protection enabled.**

Explanation: The client cannot establish a connection to the server because the server is enabled for archive-retention protection enabled and the client is not.

System action: The session is not started.

User response: See your system administrator.

FMV1016I **No eligible files matching '*pathname*' were found.**

Explanation: The backup or archive operation completed, but no files were processed. Possible reasons for this include:

- The directory that was backed up or archived contains no files
- The files are excluded from backup or archive

System action: None

User response: Check the path you entered.

FMV1017E Session rejected: TCP/IP connection failure.

Explanation: An attempt to connect to the server using TCP/IP communications failed. This can be a result of incorrect TCP/IP option settings in your client options file. This error can also occur if the LAN connection went down or if your system administrator canceled a backup operation.

System action: Session rejected. Processing stopped.

User response: Retry the operation, or wait until the server comes back up and retry the operation. If the problem continues, see your system administrator for further help.

FMV1018E Port *port number* **is already in use**

Explanation: The port specified by the TCPCLIENTPORT option is in use by a different process.

System action: Processing stopped.

User response: Contact the server administrator to set up a different port for server-initiated connections. Update the TCPCLIENTPORT with this new port number.

FMV1019E The volume could not be opened.

Explanation: An error occurred when TSM tried to open the volume for a backup or restore operation.

System action: The requested operation does not run.

User response: Examine the client error log for additional messages related to this error. Verify that the volume is available, and is not locked by another process. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1020E System object backup failed.

Explanation: An error occurred while backing up Windows system object files. The backup did not complete.

System action: Processing stopped.

User response: Ask your system administrator to check the error log. Restart the Windows service associated with the system object indicated in the error log, and retry the backup operation

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FMV1021E System object restore failed.

Explanation: An error occurred while restoring Windows system object files. The restore did not complete.

System action: Processing stopped.

User response: Ask your system administrator to check the error log. Restart the machine, and then restore the system object indicated in the error log again.

FMV1022E Cancel failed for node: *node-name* **filesystem:** *fs-name* **operation:** *op-type* **error:** *error*

Explanation: The request to cancel a remote operation has failed. The node, filespace, operation and reason for the failure are shown.

System action: TSM operation not cancelled.

User response: Contact your system administrator for more information.

FMV1023E Session rejected: Node type mismatch

Explanation: Your node name is associated with a different type of operating system (such as OS/2 or AIX) and cannot be used on this system.

System action: TSM canceled the current operation.

User response: If you need a new node name, see your system administrator to assign a new one to you. Generally, you have a unique node name for each machine and operating system pair that requires access to the server.

FMV1024E Failed to update backup attributes on server for '*backup type***' backup for '***filespace namepath-namefile-name***', object id '***object-id***:***object-id***' return code '***return code***'.**

Explanation: TSM failed to update attributes for the named backup object on the server. The server may not reflect correct state of the backup.

System action: Processing continues.

User response: Check preceding error messages in error log for more information. Retry the operation. If problem continues, contact your TSM administrator.

FMV1025E Session rejected: Authentication failure

Explanation: Authentication failure. You entered an incorrect password.

System action: TSM canceled the current operation.

User response: Enter your correct password. If you cannot remember the correct password, see your system administrator to have a new one assigned for your node name.

FMV1026E The session is rejected: There was a communications protocol error.

Explanation: An unexpected network message was received by the client. This could be caused by network problems or a programming error.

System action: TSM canceled the current operation.

User response: Verify that your communication path is functioning properly and try the operation again. If the problem persists, contact your TSM administrator for further assistance.

FMV1028S An internal program error occurred.

Explanation: TSM encountered an unexpected condition and can not continue the operation. This might be a programming error.

System action: processing stops.

User response: Try the operation again. If the problem persists, contact your TSM administrator or IBM technical support for further assistance.

FMV1029E Communication with the TSM server is lost.

Explanation: This message is issued after the session with the TSM server is unexpectedly lost. The client error log might contain additional information regarding this problem.

System action: processing stops.

User response:

- Restart the TSM client and retry the operation.
- If the problem persists, review the client error log for other messages that might be related to this problem.
- Verify that network connectivity exists between the TSM client machine and the TSM server machine.
- Contact your TSM administrator for further assistance. The TSM administrator can review the TSM server activity log for additional information about the problem.

FMV1030E The operating system refused a TSM request for memory allocation.

Explanation: TSM requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.
- The process in which the program runs has exceeded the maximum memory that it is allowed to allocate.
- Some other error condition occurred that caused the program to think it is out of memory.

System action: TSM cannot complete the requested operation.

User response: Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units. For example, if a file specification contains several high level directories, run the TSM task serially for each directory. If the TSM task is an incremental backup, use the option "-memoryefficientbackup=yes".

For UNIX systems that support resource limits, check to see b if the memory resource limit is too low by entering the following command: `ulimit -a`

Based on the resulting data, you can ask the UNIX system root user to increase resource limits so that it will override the current default. The UNIX system root user has the authority to increase resource limits.

FMV1031E The attempt to establish a TCP/IP connection timed out before the connection was made.

Explanation: The Object of the connection attempt failed to respond within the the allotted wait time. In the case of the B/A client, this message is preceded in dsmerror.log by message FMV5216E that gives details of the connection that failed. The condition may be temporary.

System action: processing stops.

User response:

- Restart the TSM client and retry the operation.
- Check the client options file and verify that TCPSERVERADDRESS and TCPPORT specify the correct TCP/IP address and port number for your TSM server.
- Verify that network connectivity exists between the TSM client machine and the TSM server machine.
- If the problem persists, see your TSM administrator for further assistance.

FMV1032E An attempt to establish a TCP/IP connection was rejected by the host

Explanation: An attempt to establish a TCP/IP connection was rejected by the server.

System action: Processing stopped.

User response: The server was not fully initialized, is not currently running, was not enabled for TCP/IP communications, or an incorrect TCP/IP port number was specified. If the problem continues, see your system administrator.

FMV1033E An invalid TCP/IP address was specified.

Explanation: The TCP/IP address specified by the TSM client's TCPSERVERADDRESS setting could not be found on the network. Common reasons for this error include:

- The TCPSERVERADDRESS client option specifies the wrong TCP/IP address for the TSM server".
- The machine that hosts the TSM server is not on the network.
- A network problem is preventing the TSM client from reaching the machine that hosts the TSM server.

System action: processing stops.

User response: Verify that the TCPSERVERADDRESS and TCPPORT settings have the correct values for your TSM server. Use your operating system's "ping" (or similar) utility to ensure that your machine can locate the machine that hosts the TSM server across the network. Try the operating again. If the problem persists, ask your TSM administrator for further assistance.

FMV1034E The specified TCP/IP host name is unreachable

Explanation: The TCP/IP host name specified in the TCPSERVERADDRESS statement cannot be reached.

System action: Processing stopped.

User response: Check your options file for the correct TCPSERVERADDRESS statement. See your administrator for the correct name of the server.

FMV1035S Options file '*file-name*' could not be found, or it cannot be read.

Explanation: Common reasons for this error include:

- The default options file does not exist.
- You specified the -OPTFILE option when starting the IBM Tivoli Storage Manager client, but the options file you provided does not exist.
- The DSM_CONFIG (or DSMI_CONFIG if you are using the IBM Tivoli Storage Manager API) environment variable specifies an options file that does not exist.
- You specified the -OPTFILE option when starting the IBM Tivoli Storage Manager client, but the options file that you provided is not in the standard file encoding of the system. For example, on Windows the expected file encoding is ANSI.
- You specified the -OPTFILE option when starting the IBM Tivoli Storage Manager client, but the options file that you provided does not have appropriate read permissions for the user that is running the operation.

System action: IBM Tivoli Storage Manager client processing stops.

User response: Make sure that the options file you want to use exists, it has the read rights set for the user that is running the operation, and it is in the standard file encoding of the system. For example, on Windows the expected file encoding is ANSI. Review the configuration information in the IBM Tivoli Storage Manager client manual specific to your operating system. If the problem persists, ask your IBM Tivoli Storage Manager administrator for further assistance.

FMV1036S The option '*option*' or the value supplied for it is not valid. It was found in options file '*file-name*' at line number: *number* The complete entry: '*entry*'

Explanation: The specified *option* in the TSM options file (*file-name*) or the command line, is in error. Either the option itself or its value are invalid. For options that include a date or time specification, the format of the date or time might not match the formats specified by the DATEFORMAT or TIMEFORMAT options.

System action: Processing stopped.

User response: Correct the option name or value. For options that specify dates or times, ensure that the specified date or time matches the DATEFORMAT and TIMEFORMAT settings. If -DATEFORMAT or -TIMEFORMAT are specified on the command line, they must precede the option that specifies the date or time. For example, use -DATEFORMAT=3 -FROMDATE=yyyy-mm-dd, instead of -FROMDATE=yyyy-mm-dd -DATEFORMAT=3.

FMV1037S Invalid keyword specified

Explanation: TSM found an incorrect keyword in the options file.

System action: Processing stopped.

User response: Correct the options file with valid entries.

FMV1038S Invalid option specified.

Explanation: An incorrect option was specified to TSM.

System action: Processing stopped.

User response: Correct the options used for running TSM.

FMV1039S The include or exclude pattern cannot be parsed.

Explanation: The pattern is formatted incorrectly or is too complex for TSM to interpret.

System action: Processing stopped.

User response: Verify that the include or exclude pattern is specified correctly. If the pattern is correct, then contact IBM technical support for further assistance.

FMV1040S Include/Exclude pattern is missing a closing bracket

Explanation: The include or exclude pattern is incorrectly constructed. The closing bracket is missing.

System action: Processing stopped.

User response: Correct the syntax for the pattern.

FMV1041S Include/Exclude pattern must start with a directory delimiter

Explanation: The include or exclude pattern must start with a directory delimiter.

System action: Processing stopped.

User response: Correct the syntax for the pattern.

FMV1042S A beginning or ending directory delimiter is missing from the Include/Exclude pattern.

Explanation:

1. The include/exclude pattern has a '...' without a beginning or ending directory delimiter.
2. For Windows, the drive seperator is not immediately followed by a directory delimiter.

System action: Processing stopped.

User response: Correct the syntax for the pattern.

FMV1043S Quotes are not matched

Explanation: The quotes specified in the pattern are not the same and do not make a set.

System action: Processing stopped.

User response: Correct the pattern by using matching quotes in the syntax.

FMV1044S Unresolved environment name '*environment-name*'.This filespace is being ignored. Processing Continues.

Explanation: The specified *environment-name* in the options file is invalid.

System action: TSM attempts to continue the current operation.

User response: Check the environment variable in the options file and use a valid environment variable. Retry the operation.

FMV1045S Environment variable syntax error.

Explanation: Incorrect syntax is specified in the options file. Make sure that the variable is enclosed in curly braces.

System action: TSM attempts to continue the current operation.

User response: Check the syntax of environment variable in the options file. Correct it and retry the operation.

FMV1046S Environment string for variable '*environment-name*' too long. Anything beyond 1024 characters is being ignored

Explanation: Environment variable expanded to a string which is too long. Make sure that the string is no more than 1023 characters long.

System action: TSM attempts to continue the current operation.

User response: Check the length of environment string and break it up into smaller strings using multiple environment variables.

FMV1047E The destination file system is unavailable. The following object was skipped: File space:'*filespace-name*' Pathname:'*path-name*' Filename:'*file-name*'

Explanation: The client is trying to restore or retrieve the specified object to a destination that is not valid, does not exist, or cannot be reached.

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

User response: Try the command again using a different destination.

FMV1048E Device '*volname*' is not local

Explanation: The selected path is not a local device and therefore is not a valid object for image operations.

System action: The requested logical volume operation is not performed.

User response: Choose another object.

FMV1049E '*filename*' is not a valid destination file for image restore

Explanation: The filename you specified is not a valid name for a file or it is a directory.

System action: Restore processing stopped.

User response: Specify a correct filename for image restore.

FMV1050E Before performing the VSS Instant Restore TSM cannot lock the volume '*volume-name*'.

Explanation: The volume cannot be locked because another application is accessing the file systems on the volume.

System action: Processing stops.

User response: Stop or suspend the applications that have handles open on the volume. For a file system restore, close applications that are accessing the file systems that are used for the VSS Instant Restore.

If you cannot close the applications that are accessing the file system, unmount the file system. After the unmount process is complete, mount the file system and perform the VSS Instant Restore.

For more information, see the TSM error log file DSMERROR.LOG.

FMV1051I Invalid password

Explanation: You entered an invalid password.

System action: TSM cannot connect to the server without the correct password.

User response: Enter the password, or ask your system administrator for the correct password.

FMV1052E Direct connection to the Storage Agent is not allowed.

Explanation: You cannot connect directly to the Storage Agent.

System action: Processing stopped.

User response: To perform Lanfree operations using the Storage Agent, specify the ENABLELANFREE option in your options file, and restart the process.

FMV1053I Existing file space *filespace-name* **has been renamed to** *filespace-name*

Explanation: If the file space is for Windows system state, this message is issued when the TSM backup-archive client detects multiple system state file spaces where the names differ only in case. The existence of multiple system state file spaces can occur if, at some earlier time, your TSM administrator renamed the system state file space to the same name but with a different case or the computer's name was changed from all upper case characters to lower case or mixed case characters. If the file space name represents a drive volume label, then this file space was created by an older TSM backup-archive client.

System action: If the file space is for Windows system state, TSM will back up system state to the file space containing the most recent backup. The older file space is renamed as specified in this message. Subsequent system state backups will continue to back up system state to the same (most recently used) file space. If the file space name represents a drive volume label, TSM renames the file space to the corresponding UNC name and continues to back up the drive to this renamed file space.

User response: No further action is necessary. However, if the file space is for Windows system state, then at some future time when you have determined you no longer need the older renamed system state file space, you can ask your TSM administrator to delete the older file space from TSM storage.

FMV1054E Existing filespace *filespace-name* **cannot be renamed to new filespace** *filespace-name***. TSM return code =** *retcode***.**

Explanation: The client was unable to migrate a file space name from the volume label naming convention to the UNC naming convention.

System action: Processing stopped.

User response: Check the client error log and the TSM server activity log for any other messages that might help identify the problem. If the problem cannot be resolved, contact IBM technical support for additional assistance.

FMV1055I Trying to rename existing filespace *filespace-name* **to new filespace** *filespace-name***, but drive letters do not match, old=***drive-letter***, new=***drive-letter***. Ignore the old filespace and backup to the new filespace.**

Explanation: Trying to rename the existing filespace name using the volume label to the UNC format naming convention but the drive letters do not match. Leave the existing filespace alone and create a new filespace.

System action: Processing continues.

User response: None.

FMV1056E Share/network path *share* **cannot be resolved. Path does not exist.**

Explanation: For backup: Trying to backup share/network, which either does not exist or does not have the correct privilege to access the share. For restore : Trying to restore to a share/network path that cannot be resolved. The directory path does not exist.

System action: Processing stopped.

User response: Retry the command and specify a destination, or restore the directory tree first before trying to restore the share point.

FMV1057I File space *filespace-name* **cannot be renamed to new file space** *filespace-name***, because the new file space already exists.**

Explanation: The client was unable to migrate a file space name from the volume label naming convention to the UNC naming convention because the new file space already exists on the TSM server.

System action: The operation proceeds using the new file space. The old file space is ignored.

User response: No action is necessary, but if the data in the old file space is no longer needed, it can be deleted from the TSM server.

FMV1058E The restore destination cannot be reached.

Explanation: Either the destination file system is invalid or it cannot be reached.

System action: Processing stopped.

User response: Try the command again using a different destination.

FMV1059E Two inactive objects with the same image name were selected. Process terminates

Explanation: You selected more than one inactive version of the same image object (logical volume). The system has no way to decide which you want to restore.

System action: The requested logical volume restore is not performed.

User response: Retry the operation, selecting an active version or only one inactive version of the volume you wish to restore.

FMV1060E The specified path is not a mounted filesystem

Explanation: You entered a file system name that does not correspond to a mounted file system for this system. It is possible the file system name is misspelled, or simply that the file system is not currently mounted.

System action: The requested logical volume operation is not performed.

User response: Retry the operation, using name of a mounted file system.

FMV1061E The specified device corresponds to a mounted file system; you must specify the file system by name.

Explanation: You entered a logical device name that is mapped to a mounted file system. This volume must only be referenced by its file system name.

System action: The requested logical volume operation is not performed.

User response: Try the operation again, using the file system name instead of the device name.

FMV1062E Only a single image may be selected when a destination is entered.

Explanation: You selected more than one image object (logical volume) to be restored. You also specified a destination. The system cannot place more than one image into a single destination volume. When more than one object is selected, each must be restored to its original location.

System action: The requested logical volume restore is not performed.

User response: Retry the operation, selecting one object to be restored to the given destination, or retry the operation without entering the destination.

FMV1063E The specified path is not a valid file system or logical volume name.

Explanation: None.

System action: The logical volume operation is not performed.

User response: Try the operation again using a valid path.

FMV1064E An unexpected error occurred while processing the image operation.

Explanation: None.

System action: The requested operation does not run.

User response: Examine the client error log for any additional messages that may have been issued before or after this message. Correct any problems, if possible. If the cause of this message can not be determined or resolved, contact IBM technical support for further assistance.

FMV1065E Library version of the image utility does not match that of the TSM API

Explanation: The current system has a mix of installed components.

System action: The requested logical volume operation is not performed.

User response: Re-install all TSM components

FMV1066E The restore operation completed successfully, but the file system could not be remounted.

Explanation: None.

System action: The file system is left unmounted.

User response: Use the mount command to mount the file system. On AIX, run fsck if requested by the operating system.

FMV1067E A call to a system function returned an unexpected error.

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

System action: The requested operation does not run.

User response: Examine the client error log for additional messages related to this error. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

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

FMV1068E Device is not local

Explanation: The selected path is not a local device and therefore is not a valid object for image operations

System action: The requested logical volume operation is not performed.

User response: Choose another object.

FMV1069E An error occurred while reading data from the device

Explanation: An error occurred while reading data from the device. Windows Only: This could be due to bad sectors on the drive.

System action: The requested logical volume operation is not performed.

User response: Retry the operation, then check the error log for more information. Windows Only: Please run chkdsk /r and retry the operation. If the problem persists, a possible workaround is to back up the entire drive using a regular (non-image) backup. Please ensure that all your data is backed up. Then format the drive using a full format (without the /q quick format option). Then restore the data and retry the image backup operation.

FMV1070E Write error

Explanation: An error occurred while writing data to the device.

System action: The requested logical volume operation is not performed.

User response: Re-try the operation, check error log for more information.

FMV1071E Invalid domain name entered: '*domain-name***'**

Explanation: You entered an invalid domain *domain-name.* Check whether the domain name is a file system and the file system is mounted. A directory cannot be specified in the domain option, unless it is a virtual mount point.

System action: Processing continues if there are other file systems in the domain option to back up.

User response: Enter a valid drive or file system name (domain).

FMV1072E Unable to continue operation; Drive '*drive-name***' has no volume label.**

Explanation: The specified *drive-name* in the domain list does not have a volume label.

System action: Processing stopped.

User response: Use the system format utility to place a unique volume label on all drives on which you intend to run TSM.

FMV1073E The file space for domain '*domain-name***' could not be found on the TSM server.**

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

System action: TSM processing stops.

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

FMV1074W The operation was stopped by the user.

Explanation: The operation was stopped at the request of the user. This usually occurs when the 'Q' key is pressed two times.

System action: Processing stopped.

User response: None.

FMV1075E *file name*(*line number*)**The operating system refused a IBM Tivoli Storage Manager request for memory allocation.**

Explanation: IBM Tivoli Storage Manager requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.
- The process in which the program runs has exceeded the maximum allocated memory.
- Some other error condition occurred. No memory is available.

System action: IBM Tivoli Storage Manager cannot complete the requested operation.

User response: Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units. For example, if a file specification contains several high-level directories, run the IBM Tivoli Storage Manager task serially for each directory. If the IBM Tivoli Storage Manager task is an incremental backup, use the option "-memoryefficientbackup=yes".

For UNIX systems that support resource limits, you can check if the memory resource limit is too low by entering the following command: `ulimit -a`

Based on the resulting data, you can ask the UNIX system root user to increase the resource limit above the current default limit. The UNIX system root user has the authority to increase resource limits.

FMV1076E The specified directory path '*pathname*' could not be found.

Explanation: An invalid or unreachable directory path was specified.

System action: Processing stopped.

User response: Try the operation again using a valid directory path.

FMV1078S Unknown system error *error-code* occurred.

Explanation: An error unknown to TSM *error-code* occurred within the client program.

System action: The client stops.

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

FMV1079E No file specification entered

Explanation: You did not enter a file specification as prompted.

System action: TSM did not continue with the requested operation.

User response: Enter a file specification to continue.

FMV1081E Invalid search file specification '*string*' entered.

Explanation: You entered a file specification or search *string* that contains incorrect characters or contains wildcard characters in the drive specification or file system name.

System action: Processing stopped.

User response: Enter a correct file specification as described in the appropriate *Using the Backup-Archive Client* book for the particular operating system.

FMV1082E Invalid destination file specification '*file-name*' entered

Explanation: You entered a destination *file-name* specification that contains incorrect characters or has wildcard characters in the specification.

System action: Processing stopped.

User response: Enter a correct file specification as described in the appropriate *Using the Backup-Archive Client* book for the particular operating system.

FMV1083E No files have previously been archived for '*filespace-name*'

Explanation: You tried to retrieve files when no files for the specified drive or file system (*filespace-name*) were previously archived.

System action: Processing stopped.

User response: Ensure that the correct drive or file system was specified and that files are archived for you to retrieve.

FMV1084E No files have previously been backed up for '*filespace-name*' or the specified file space is invalid for the current operating system.

Explanation: You cannot restore files. Either the file space or drive is invalid, or no backup copies exist.

System action: Processing stops.

User response: Specify a valid drive or file space. Verify that backup copies exist.

FMV1085E No memory available to store Archive Management Class override name

Explanation: Not enough memory was available for the operation.

System action: Processing stopped.

User response: Retry the operation or restart the system with fewer programs in memory.

FMV1086E File not found during Backup, Archive or Migrate processing

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

System action: File skipped.

User response: None.

FMV1087E Access to the specified file or directory is denied

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

System action: Processing stopped.

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

FMV1088E File space '*filespace-name*' does not exist

Explanation: The specified file space (domain) is incorrect or does not exist on the machine.

System action: Processing stopped.

User response: Retry the operation specifying an existing domain (drive letter or file system name).

FMV1089E Destination directory path length exceeds system maximum

Explanation: The path name specified plus the path name in the restored file name combine to create a name whose length exceeds the system maximum.

System action: Processing stopped.

User response: Specify a destination path that, when combined, is less than the system maximum.

FMV1090E The LVM1 device is no longer supported by this client.

Explanation: The selected path refers to a volume device managed by LVM version 1. LVM 1 is no longer supported by this version of client and therefore is not a valid object for image operations.

System action: The requested logical volume operation is not performed.

User response: Use earlier versions of the client that support LVM1 to perform the logical volume operation. Alternatively, you can upgrade to LVM2 and migrate the volume to LVM2. LVM2 is supported by this client for logical volume operations.

FMV1091E Communications error with server during object query

Explanation: An unexpected communications error occurred during an object query to the server.

System action: Processing stopped.

User response: Verify that communications are active between the client and server machines. Server outages, processor outages, and communication controller outages can cause this error.

FMV1092W No files matching search criteria were found

Explanation: You entered a search pattern or file name that cannot be found in the server database.

System action: Processing stopped.

User response: Ensure that your search pattern is correct, or specify a new search string.

FMV1093E Your TSM server does not support point-in-time processing.

Explanation: The client has requested a point-in-time query or restore operation, but the TSM server to which the client is connected does not support point-in-time operations.

System action: Processing stopped.

User response: Make sure that you are connected to the correct TSM server. If you are connected to the correct server, then try the command again without specifying any point-in-time options.

FMV1094E Server does not support Query Node command.

Explanation: The server to which you are connected does not support Query Node command.

System action: Processing stopped.

User response: Use a TSM Server that supports Query Node command.

FMV1096S Either the node does not exist on the server or there is no active policy set for the node.

Explanation: This error occurs when you try to access another node's data. Either the node is not registered with the TSM server, or there is no active policy set for the node.

System action: Processing stops.

User response: Verify that the node whose data you are trying to access is registered with the TSM server. If you have more than one TSM server, make sure you are connecting to the correct server, then try the

operation again. If the problem persists, contact your TSM administrator for further assistance.

FMV1097E The client help text cannot be read from the help file.

Explanation: The help file was opened successfully and its table of contents are available, but there is a problem reading the text from the help file.

System action: Processing stopped.

User response: If the DSM_DIR environment variable is set, verify that it points to the directory containing the current level of TSM program files, then try the operation again. If the problem recurs, re-install the TSM client software. If the problem persists, IBM technical support for further assistance.

FMV1098E Process terminated; Program memory exhausted.

Explanation: The program used all available storage.

System action: Processing stopped.

User response: Free any unnecessary programs (TSRs) that are running, and retry the operation. Reducing the scope of queries and the amount of data returned can also solve the problem.

FMV1099E File '*filename*' not previously archived

Explanation: You tried to give access to a file, which is not stored on the server.

System action: Processing stopped.

User response: Ensure that the correct filename is specified.

FMV1100E File '*filename*' not previously backed up

Explanation: You tried to give access to a file, which is not stored on the server.

System action: Processing stopped.

User response: Ensure that the correct filename is specified.

FMV1101E User is not authorized to encrypt *file-space namedirectory_pathfile_name*.

Explanation: The user is not authorized to encrypt the file. Normally, only a IBM Tivoli Storage Manager authorized user or a root user can use IBM Tivoli Storage Manager encryption. However, a certain combination of PASSWORDACCESS and ENCRYPTKEY options may allow encryption operations by a non-authorized user.

System action: The file is not backed up or restored.

User response: Log in as a root or IBM Tivoli Storage Manager authorized user and try the operation again. See IBM Tivoli Storage Manager Backup-Archive Client Installation and User's Guide for the correct usage of the ENCRYPTKEY option.

FMV1102E An excessive number of command line arguments are passed to the program.

Explanation: This command processing routine received more operands than it can use. The rules are:

- Query can contain only one file specification.
- Restore and Retrieve can contain two file specifications.
- Archive, Incremental, and Selective can contain a maximum of 20 file specifications. To bypass the 20-operand limit, use the -REMOVEOPERANDLIMIT option on the failing archive, incremental, or selective command.

Note: The TSM Client operates much more efficiently if it expands wild cards internally, rather than accepting the expanded list from the shell.

System action: Processing stopped.

User response: Reduce the number of arguments and retry the operation. For UNIX-based systems, ensure that you have surrounded the specification containing pattern matching characters with quotes. As an alternative, use the -REMOVEOPERANDLIMIT option on the failing archive, incremental, or selective command.

FMV1103E Invalid management class entered

Explanation: You entered an invalid management class.

System action: TSM is unable to do the requested operation.

User response: Retry the operation using a valid management class.

FMV1104E The management class for this file does not have a valid archive copy group. This file will not be archived.

Explanation: The management class for this file does not have an archive copy group specified. This file will not be archived.

System action: Processing stopped.

User response: Add a valid archive copy group to the management class, and then retry the operation.

FMV1105E The management class for this file does not have a valid backup copy group. This file will not be backed up.

Explanation: The management class for this file does

not have a backup copy group specified. This file will not be backed up.

System action: Processing stopped.

User response: Add a valid backup copy group to the management class, and then retry the operation.

FMV1106E ENCRYPTKEY SAVE not configured correctly. Encryption not used.

Explanation: This message is issued for TSM Authorized Users and root users when ENCRYPTKEY SAVE and PASSWORDACCESS PROMPT options are set. Please note that these are the default values. These values do not allow encryption.

System action: The file is not encrypted.

User response: To save encryption keys, you must change configuration values. Add PASSWORDACCESS GENERATE to your system option file.

FMV1107E Invalid option/value: '*option***'**

Explanation: You specified an incorrect TSM option or option value.

System action: For the command line client: Processing stops.

For the native GUI client: There is a small set of options critical to the initialization of the client. If an error is found in one of these, this message is presented and the client terminates without further processing.

User response: Specify a correct TSM option as defined in the appropriate *Using the Backup-Archive Client* book for the particular operating system.

FMV1108E Invalid option (*option***) for the** ***function*** **command**

Explanation: There are two possible reasons for this message:

- The *option* option was specified for a command or subcommand (*function*) that cannot make use of that option.
- The option appears on the initial command line and is not valid there.

System action: Processing stopped.

User response: See the *Backup-Archive Client Installation and User's Guide* for correct use of the named option.

FMV1109E User is not authorized to encrypt the file.

Explanation: The user is not authorized to encrypt the file. Normally, only a TSM authorized user or a root user can use TSM encryption. However, a certain combination of PASSWORDACCESS and ENCRYPTKEY options may allow encryption operations by a non-authorized user.

System action: The file is not backed up or restored.

User response: Log in as a root or TSM authorized user and retry the operation. Refer to *Backup-Archive Client Installation and User's Guide* for the correct usage of the ENCRYPTKEY option.

FMV1110E The client help file ***file-name*** **could not be opened.**

Explanation: This usually occurs when the help file *file-name* cannot be found.

System action: Processing stopped.

User response: If the DSM_DIR environment variable is set, verify that it points to the directory containing the current level of TSM program files, then try the operation again. If the problem recurs, re-install the TSM client software. If the problem persists, IBM technical support for further assistance.

FMV1111E The table of contents cannot be read from the help file.

Explanation: The help file was opened successfully but there was a problem reading the table of contents.

System action: Processing stopped.

User response: If the DSM_DIR environment variable is set, verify that it points to the directory containing the current level of TSM program files, then try the operation again. If the problem recurs, re-install the TSM client software. If the problem persists, IBM technical support for further assistance.

FMV1113E The snapshot cache location is not valid.

Explanation: The snapshot cache location must point to a local volume that is formatted with NTFS. The default cache location is on the same volume where the snapshot is being performed. The operation will continue without snapshot support.

System action: The client does not execute the snapshot backup operation.

User response: Specify a different snapshot cache location using the SNAPSHOTCACHELOCATION option.

FMV1114I Waiting for mount of offline media.

Explanation: The server is waiting for the requested media to become available before the operation can continue.

System action: TSM waits for requested data.

User response: None.

FMV1115W File '*file-namefile-namefile-name*' excluded by Include/Exclude list

Explanation: You can not back up, archive, or migrate files that are excluded.

System action: TSM does not process the file.

User response: If the file is intentionally excluded, then this message can be ignored. Otherwise modify the include/exclude list, restart the client, and try the operation again. Contact your TSM administrator for further assistance.

FMV1116E The process is running in a non-interactive mode, but requires user input.

Explanation: This process requires keyboard input, but non-interactive processes are unable to read input from keyboard.

System action: processing stops.

User response: Perform the following actions to resolve this error:

- Run the product in interactive mode.
- Ensure your password is set correctly.

FMV1117E The PICK and LATEST options are not valid together

Explanation: During a restore, PICK and LATEST options cannot be used together.

System action: Processing stopped.

User response: Try again using either the PICK **or** the LATEST option.

FMV1118I Invalid file space number entered. Try again.

Explanation: The number that represents a file space was incorrect while you were using the PICK option.

System action: TSM waits for your specification.

User response: Enter a correct file space number.

FMV1119I Initiating the removal of '*filespace-name*' file space.

Explanation: Indicates that file space deletion has started on the specified *filespace-name*.

System action: None.

User response: None.

FMV1120E Removal of file space '*filespace-name*' failed

Explanation: An attempt was made to delete a filespace (either NAS or normal) and it was unsuccessful.

- Your client registration may not be authorized to delete filspaces on the server. Look for message FMV1126E.
- The named filespace does not exist on the server. Look for message FMV1122W.
- Other causes which will be made known in messages following this one

System action: processing stops.

User response: Take action as recommended by other messages that accompanies this one. If so indicated, try to remove the file space again. If the problem continues, your TSM administrator has the authority to delete the file space for you.

FMV1121I A request for removal of file space '*filespace-name*' has been successfully sent to the server.

Explanation: TSM has requested deletion of the specified *filespace-name*. The deletion process may not have actually been completed when this message is displayed. To verify successful deletion, consult the server logs.

It is possible for errors to occur on the server during the deletion process, or the file space might contain archive objects in deletion-hold status. In either case, the file space will not be deleted.

System action: None.

User response: None.

FMV1122W File space '*filespace-name*' does not exist on the server. The file space might have been deleted by another client using your client's node name or an administrator.

Explanation: The specified *filespace-name* does not exist on the server. Your system administrator deleted the file space or another client using your client's node name might have deleted it.

System action: None.

User response: None.

FMV1123E The vertical screen dimension is too small to display the Help directory. Increase your window height.

Explanation: Execution of the HELP command requires space for both the user prompts and at least one line of the HELP directory.

System action: The help directory is not displayed, and the help command cannot complete.

User response: Increase the size of your display window to allow more rows of text to be displayed.

FMV1125E Unmatched Quotes: '*string*'

Explanation: The quotes specified in the pattern are not the same and do not make a set.

System action: Processing stopped.

User response: Correct the pattern using matching quotes in the syntax.

FMV1126E The file space cannot be deleted because this node does not have permission to delete archived or backed up data.

Explanation: You cannot delete the file space data unless your TSM administrator has authorized your node to do so. Authorization permits you to delete backup data, archive data, or both.

System action: Delete processing fails.

User response: Use the DSMC QUERY SESSION command to verify your authorization. Ask your TSM administrator to provide the necessary authorization or to delete the file space for you.

FMV1127E Your node does not have permission to delete archived files.

Explanation: You cannot delete archived files unless your TSM administrator has authorized your node to do so.

System action: TSM does not delete the archived files.

User response: Use the DSMC QUERY SESSION command to verify your authorization. Ask your TSM administrator to provide the necessary authorization.

FMV1128S The management class assigned to directories does not exist.

Explanation: The management class named on the DIRMC option does not exist in your assigned policy set on the server. The error log contains an entry showing the invalid management class name.

System action: processing stops.

User response: Remove the current DIRMC option from the client options file, then run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes. Make sure the management class you select has a backup copy group. If you have more than one TSM server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your TSM administrator for further assistance.

FMV1129S There is no backup copy group in the management class used for directories.

Explanation: The DIRMC option names a management class that contains no backup copy group.

System action: processing stops.

User response: Remove the current DIRMC option from the client options file, then run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes. Make sure the management class you select has a backup copy group. If you have more than one TSM server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your TSM administrator for further assistance.

FMV1130E The drive has no label. The operation cannot continue.

Explanation: Backup or archive of removable media requires that the media have a volume label. An attempt was made to back up or archive data on a removable volume that has no label.

System action: The requested operation does not run.

User response: Create a volume label on the removable media, then try the operation again.

FMV1131E A duplicate volume label exists. The operation cannot continue.

Explanation: For removable media, TSM uses the volume label as the file space name. To prevent data from different volumes being stored in the same file space on the TSM server, backup or archive of removable media volumes having duplicate volume labels is not allowed.

System action: The requested operation does not run.

User response: Change the volume labels on the removable media volumes so that there are no duplicate labels. Then restart TSM and try the operation again.

FMV1132E '*Access rule*' Access Rule already defined for node '*node*'. Old rule must be deleted before new one can be defined.

Explanation: You are trying to define authorization for the specified node, which already has authorization defined.

System action: TSM did not redefine authorization for the specified node.

User response: Update the authorization, or delete the old rule and define a new one, or use the current authorization.

FMV1133W An expression might contain a wildcard not enclosed in quotes.

Explanation: The command cannot be processed because a UNIX shell expands a wildcard expression, such as an asterisk (*) or a question mark (?), that has no quotes.

If the expression contains no wildcard characters and you wish to place more than the stated limit of operands on the Archive, Selective, or Incremental command, add the -REMOVEOPERANDLIMIT option to the command, and try it again.

System action: Command dependent.

User response: Enclose the wildcard expression in quotes, or add the -REMOVEOPERANDLIMIT option and enter the command again.

FMV1134E Drive *drive-name* is an invalid drive specification

Explanation: The specified *drive-name* was found to be invalid; the drive probably has not been defined.

System action: TSM skips the invalid drive and continues to the next drive.

User response: Check the invalid drive.

FMV1135E Drive *drive-name1* is a virtual drive of *drive-name2*. It cannot be backed up or archived.

Explanation: Drive *drive-name1* was found to be a substitute (SUBST) of drive *drive-name2*. The SUBST drive cannot be backed up or archived.

System action: The SUBST drive is skipped. Processing continues with the next drive.

User response: Do not specify any file specifications for a drive that is a substitute of another drive. Remove any explicit substitute drives from the DOMAIN statement or use the -<drive:> notation to remove a substitute drive if ALL-LOCAL is specified.

FMV1136E Not file owner

Explanation: The file cannot be backed up because the client is not the file owner.

System action: TSM skips the file.

User response: None.

FMV1137W Invalid Index '*number*' skipped.

Explanation: An incorrect *number* was entered for the Index.

System action: Processing stopped.

User response: Correct the Index entry and retry the operation.

FMV1138E The '*command-name*' command must be followed by a subcommand

Explanation: You entered an incomplete *command-name*.

System action: Processing stopped.

User response: Enter the correct syntax of the command and continue.

FMV1139W '*object-nameobject-nameobject-name*' was restored as '*temp-name*'. A reboot is required to complete the restore.

Explanation: The file being restored was in use by another application, so it could not be immediately replaced. The file will be replaced during the next reboot of the operating system. It is important to note that until the reboot occurs, the system or its applications might be unstable. The degree of instability depends on the criticality of the file to the operating system or applications.

System action: TSM restored the file with a temporary name, and instructed the operating system to replace the original file with the restored file during the next boot of the operating system.

User response: Reboot the machine as soon as possible after the TSM restore operation ends.

FMV1140E Invalid format for Set Access command.

Explanation: The SET ACCESS command must have at least three operands, the first of which must be either BACKUP or ARCHIVE. A validly formed file specification must follow.

System action: Processing stopped, the command is not executed.

User response: Use the HELP SET ACCESS command for complete details of usage, then enter the SET ACCESS command using the correct syntax.

FMV1141W Unknown command - *command-name*

Explanation: You entered an incorrect *command-name*.

System action: None.

User response: Enter the correct command.

FMV1143E The DIRSONLY and FILESONLY options are not valid together

Explanation: The DIRSONLY and FILESONLY options cannot be used together.

System action: Processing stopped.

User response: Try again using either the DIRSONLY **or** the FILESONLY option.

FMV1144W Password authentication not active on server

Explanation: None.

System action: Processing stopped.

User response: Because password authentication is turned off on the server, you do not need to update the password.

FMV1145E The maximum macro nesting level has been exceeded. Macros may be nested up to 10 levels.

Explanation: TSM allows macros to invoke other macros, for example, macro 'A' invokes macro 'B' which, in turn, invokes macro 'C'. This is nesting to 3 levels. The limit is 10 levels (the inital macro plus nine levels of calls within macros currently executng). There is no limit to the number of different macro calls that may be made within a macro as long as the calls are not nested.

System action: The macro is ignored and an error is returned.

User response: Reduce the level of macro nesting.

FMV1146E Macro file '*file spec*' cannot be opened.

Explanation: A macro command has been entered that specifies the macro file name shown. However, that file cannot be opened for reading.

System action: The macro is ignored and an error is returned.

User response: Enter the command with the proper macro name.

FMV1147E File is temporarily unavailable.

Explanation: File is temporarily unavailable.

System action: File skipped.

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

FMV1148I '*Command-name*' command successfully completed

Explanation: The specified *command-name* was successfully completed.

System action: TSM completed the command.

User response: Continue with normal operations.

FMV1149E No domain is available for incremental backup. The domain may be empty or all file systems in the domain are excluded.

Explanation: An incremental backup was started, but no domain was selected. There are two possible reasons for this message:

- The client is a diskless workstation for which no local file systems exist.
- An attempt was made to back up a file system that is excluded with the EXCLUDE.FS option.

System action: processing stops.

User response: Choose a domain and restart the incremental backup. Make sure that the DOMAIN statement specifies the file systems you wish to back up. Prevent this message by not trying to back up the file system that is excluded with EXCLUDE.FS. If this file system should be backed up, then remove the EXCLUDE.FS option.

FMV1150E Unable to restore current user profile because you are running as a local system account.

Explanation: The local system account does not have a profile. Therefore you cannot restore its profile.

System action: Processing stops.

User response: Log on to the user whose profile you want to restore.

FMV1151E '*drive-name1*' is not a cluster disk.

Explanation: The indicated file system is not a cluster disk. Because the CLUSTERNODE option is set to YES, the file system cannot be backed up or archived.

System action: Processing stops.

User response: If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the TSM client to run in a cluster environment.

FMV1152W The kernel level is below the required level for LVM support. No LVM volumes will be available for image operations.

Explanation: The LVM support for image operations requires kernel level to be minimum at 2.6. LVM volumes will not be recognized by the TSM client.

System action: All subsequent logical volume operations on LVM volumes will fail.

User response: Use earlier versions of the client that support LVM1 to perform the logical volume operations. Alternatively, you can upgrade the kernel to

the required level to fully utilize logical volume operations on LVM2.

FMV1153E **'*drive-name1*' is a cluster disk.**

Explanation: The indicated file system is a cluster disk. Because the CLUSTERNODE option is set to NO, the file system cannot be backed up or archived.

System action: Processing stops.

User response: If the CLUSTERNODE option is incorrectly set to NO, then change the option to YES and try the operation again. Otherwise see the client manual for further information about configuring the TSM client to run in a cluster environment.

FMV1154E **Object name '*filespace namepath-namefile-name*' contains an invalid multibyte sequence for the current locale.**

Explanation: An illegal multibyte sequence for the current locale was found in the object name. Either the path or file name has been corrupted or is coded in a language other than that of the current locale.

System action: Object skipped.

User response: If the file name and path are not corrupted, process the file in the locale for which it is valid.

FMV1155E **No domain is available for image backup.**

Explanation: An image backup was started, but no domain was specified.

System action: Processing stopped.

User response: Choose a domain and restart the image backup. Set the image domain using the domain.image option in your dsm.opt file, either manually, or by using the GUI preferences editor.

FMV1156E **NODENAME cannot be the local machine name when CLUSTERNODE is set to YES**

Explanation: When TSM is running as a cluster node, the node name cannot be the local machine name.

System action: Processing stops.

User response: Change the node name either to the cluster name or to any other name, and restart TSM.

FMV1157E **The registry cannot be backed up or restored when the client is running as a cluster node.**

Explanation: When the CLUSTERNODE option is set to YES, the registry cannot be backed up or restored.

System action: The registry is not backed up or restored.

User response: If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the TSM client to run in a cluster environment.

FMV1158E **The event logs cannot be backed up or restored when the client is running as a cluster node.**

Explanation: When the CLUSTERNODE option is set to YES, the event logs cannot be backed up or restored.

System action: The event logs are not backed up or restored.

User response: If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the TSM client to run in a cluster environment.

FMV1159E **The specified file is being used by another process**

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

System action: Processing stopped.

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

FMV1162E **Filesystem could not be mounted**

Explanation: The system call to mount the file system failed.

System action: The file system remains unmounted.

User response: Use the mount command to mount the file system. On AIX, run fsck if requested by the operating system.

FMV1163E **Filesystem could not be unmounted.**

Explanation: The system call to unmount the file system failed.

System action: The logical volume operation is not performed.

User response: Make sure the device or file system is not being accessed, then retry the operation.

FMV1164E Filesystem is not mounted

Explanation: The named file system is not currently mounted. It must be mounted for TSM to perform an image backup.

System action: The logical volume operation is not performed.

User response: Mount the file system.

FMV1165E Destination is smaller than source

Explanation: The space allocation for the selected destination is smaller than the source.

System action: The restore operation is not performed.

User response: Choose a different, bigger destination or increase the size of the destination file space.

FMV1166E Source and destination are not the same file system type.

Explanation: The source and destination file system types do not match.

System action: The requested logical volume operation is not performed.

User response: Choose a destination that has the same file system type as the source.

FMV1168E ERROR: could not create image object.

Explanation: Creation of the image object failed for one of the following reasons:

- The image command was executed by a non-root user
- The image plugin library was not found.

System action: The requested logical volume function is not performed.

User response: Retry the operation after correcting the cause for failure.

FMV1169W There is no table of contents for *image-name*.

Explanation: The image item for which a table of contents was requested is either a RAW logical volume or it was backed up without the -TOC option.

System action: No table of contents is displayed.

User response: Select another image object for TOC display.

FMV1170I Invalid selection number entered. Try again.

Explanation: You entered a number not shown in the list of images. It is either less than one or greater than the highest item number displayed.

System action: TSM waits for you to enter a valid selection.

User response: Enter a number from the list or 'Q' to quit.

FMV1177E Must specify a path for this operation.

Explanation: A path must be specified for this operation to execute successfully.

System action: Processing stops.

User response: Specify a valid path and execute the command again.

FMV1181E There was a communication failure with the journal service.

Explanation: An error occurred using named pipe communication with the journal service.

System action: Processing stops.

User response: Restart the journal service, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1183E An unknown error occurred while processing system object '*sys-obj-name*': MS API function '*func-name*' failed with error *error* (*error*)

Explanation: An unknown error occurred while processing a system object. The error information captured indicates the reason for the failure. This information can be used to diagnose the problem.

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV1184W The *command subcommand* command is not supported on this client.

Explanation: The *command subcommand* command is not supported for the client running on this operating system on this computer.

System action: The command is not processed.

User response: None.

FMV1185E The help search argument you supplied "*string*" is either too long or contains unmatched quotes.

Explanation: Valid arguments are the names of things like section numbers, command names, option names and message numbers. All of these search arguments are short and none requires quoting.

System action: The help request is not executed and you are given another chance to enter a valid

argument, display the table of contents, or exit help.

User response: Respond to the subsequent prompt as directed.

FMV1186I The help file contains no message help section. Requests for message help will all result in topic not found. Enter a section number, option name, command name, or a command and subcommand. Otherwise press enter or 't' to display the table of contents or 'q' to exit help:

Explanation: The named file does not have the proper content to support the help command for messages. The initial scan of the help file found no messages section.

System action: The help command pauses and allows you to make another selection.

User response: During installation of TSM a proper help file was created. Your system administrator can assist you with retrieving the original help file to replace the named invalid file.

FMV1187E The named helpfile "*filename*" has invalid content.

Explanation: The named file does not have the proper content to support the help command. One or more sections could not be identified.

System action: The help command is terminated.

User response: During installation of TSM a proper help file was created. Your system administrator can assist you with retrieving the original help file to replace the named invalid file.

FMV1188E The selected filesystem is managed by HSM, and therefore is not a valid object for image operations

Explanation: Due to the nature of HSM, image backup is not allowed on managed filesystems.

System action: The requested logical volume operation is not performed.

User response: None.

FMV1189E The DIRSONLY and V2ARCHIVE options are not valid together

Explanation: The DIRSONLY and V2ARCHIVE options cannot be used together.

System action: Processing stopped.

User response: Try again using either the DIRSONLY **or** the V2ARCHIVE option.

FMV1190E Symbolic link '*linkname*' to '*target*' was successfully deleted.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the log is recreated, and processing stops.

User response: Check the location of the new file. To specify the location of log files, refer to the user's manual for the 'errorlogname' option, the 'schedlogname' option, and the 'DSM_LOG' environmental variable.

FMV1191E Unable to delete symbolic link '*link*'.

Explanation: Log '*linkname*' cannot be a symbolic link.

System action: Processing stops.

User response: Delete the symbolic link '*linkname*'.

FMV1192E Specifying the error log '*link*' as a symbolic link is not allowed.

Explanation: Error log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the error log is recreated, and processing stops.

User response: Check the location of the new error log. To specify the location of the error logs, refer to the user's manual for the 'errorlogname' option and 'DSM_LOG' environmental variable.

FMV1193E Specifying the trace file '*link*' as a symbolic link is not allowed.

Explanation: For reasons of security and system integrity, the trace file '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the trace file is recreated, and processing stops.

User response: Use the TRACEFILE option to specify the actual trace file location without the use of symbolic links.

FMV1194E Specifying the schedule log '*link*' as a symbolic link is not allowed.

Explanation: Schedule log '*linkname*' cannot be a symbolic link.

System action: The symbolic link '*linkname*' is deleted, the schedule log is recreated, and processing stops.

User response: Check the location of the new schedule log. To specify the location of the schedule log, refer to the user's manual for the 'schedlogname' option.

FMV1197E The snapshot cache size was exceeded during the snapshot backup.

Explanation: The image snapshot backup was not able to complete because while creating the snapshot TSM exceeded the snapshot cache size allowed via the SNAPSHOTCACHESize option.

System action: Processing stopped.

User response: Increase the SNAPSHOTCACHESize value for this volume and retry the operation.

FMV1198E An invalid snapshot cache location was entered: *path*.

Explanation: The SNAPSHOTCACHELocation option value entered for this volume is not valid. The value for this option must be an existing, full directory path.

System action: Processing stopped.

User response: Enter a valid SNAPSHOTCACHELocation value and try the operation again.

FMV1199E The PRESNAPSHOTCMD command failed. The image snapshot backup will not be executed.

Explanation: The command specified by the PRESNAPSHOTCMD option must complete successfully in order to execute the image snapshot backup. If the command completed with a return code of 0 (zero), it is considered to have completed successfully. If the command completed with any other return code, it is considered to have failed. If the command failed then the image snapshot backup is not executed.

System action: The client does not execute the image snapshot backup operation.

User response: Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1200W The POSTSNAPSHOTCMD command completed with a non-zero return code.

Explanation: If the command specified by the POSTSNAPSHOTCMD option completed with a non-zero return code, then the image snapshot backup operation will continue, but with a warning-level result. Note that the result of the POSTSNAPSHOTCMD command will not supercede a higher result from the image snapshot backup command. For example, if the image snapshot backup command completed with a return code of 12, the image snapshot backup will be considered to have completed with a return code of 12, regardless of the outcome of the POSTSNAPSHOTCMD command.

System action: The image snapshot backup continues, but with a warning return code of at least 8.

User response: Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1201E TSM cannot build a directory path because a file exists with the same name as the directory.

Explanation: None

System action: Processing stopped.

User response: Remove or rename the file that has the same name as the directory. Alternatively, you can restore the directory to a different location.

FMV1202E TOC backup for the image failed. Check log files.

Explanation: An error occurred during backup of the table of contents. Check the error log for more information.

System action: The requested logical volume operation is not performed.

User response: Check error log.

FMV1203E Table of Contents not available for selected backup set. Please contact server administrator.

Explanation: There is no TOC for selected backup set

System action: Expansion of selected backup set will not be possible. Will only be able to restore the whole backup set.

User response: Please contact server administrator to regenerate TOC for backup set before backup set can be expanded.

FMV1204E This client is not supported by the TSM express server

Explanation: This client is not supported by the TSM express server. This can occur if:

1. the client is configured as an TSM express client using the CLIENTVIEW option
2. the client is trying to connect to an TSM express server.

System action: Processing stops.

User response: Log in using a supported TSM express client.

FMV1205E This is not a supported TSM express platform

Explanation: This is not a supported TSM express platform.

System action: Processing stops.

User response: Log in using a supported TSM express client.

FMV1206E TOC backup of a raw device is not supported. But the raw device is backed up.

Explanation: TOC backup of a raw device is not supported. But the raw device is backed up.

System action: Raw device is backed up with no TOC object.

User response: NONE.

FMV1207E No TOC has been previously backed up for this file system.

Explanation: The user is trying to query the TOC of a file system. TOC backup for that file system has not been previously done.

System action: Query stopped.

User response: Backup the file system again with -TOC option.

FMV1209E The *option_name* option is not supported with the *command_name* command using the -FILELIST option.

Explanation: The specified option is not supported with the specified command when the -FILELIST option is also specified.

System action: The command is not processed.

User response: >Do not specify the offending option when the -FILELIST option is specified with this command.

FMV1212I Invalid Process number entered. Try again.

Explanation: You entered a number not shown in the list of processes. It is either less than one or greater than the highest item number displayed.

System action: TSM waits for you to enter a valid selection.

User response: Enter a number from the list or 'Q' to quit.

FMV1213W Snapshot image backup is not possible for device *device-name*. starting static image backup.

Explanation: On Linux platforms, snapshot image backup is only possible for logical volumes created by the Linux logical volume manager (LVM). Since the default image backup type is snapshot, backing up a partition which is not created using LVM automatically leads to a static image backup.

System action: Snapshot image backup will failover to static image backup

User response: To avoid this message, use the imagetype option to specify static or dynamic image backup.

FMV1214E The logical volume group does not have enough free space to contain the volume snapshot.

Explanation: The snapshot is created in the volume group that contains the logical volume being backed up. There is insufficient free space in the volume group to contain the snapshot.

System action: The operation ends.

User response: Decrease the SNAPSHOTCACHESIZE value or make additional space available in the logical volume group. Then try the operation again.

FMV1215E On volumes that are RAW or formatted FAT32 the snapshot cache location cannot be located on the same volume that is being backed up.

Explanation: When the snapshot cache location is located on the same volume that is being backed up the volume must be formatted with NTFS. The default cache location is on the same volume where the snapshot is being performed.

System action: The client does not execute the image snapshot backup operation.

User response: Specify a different snapshot cache location using the SNAPSHOTCACHELOCATION option.

FMV1216E Not authorized to run TSM. See the administrator for your system.

Explanation: The system options file for the server that you are attempting to connect to contains a user entry, a group entry, or both a user and group entry. Your user ID, or group ID, was not found in any of the entries. You are currently not authorized to run TSM to this server.

System action: TSM initialization fails and the program ends.

User response: See the TSM administrator for your system, and ask to be added to the user or group list for this server.

FMV1217E Server name not found in System Options File

Explanation: The system options file does not contain the SERVERNAME option.

System action: TSM initialization fails and the program ends.

User response: See the TSM administrator for your system, and make sure that the system options file contains the server name.

FMV1218E TCPSERVERADDRESS not defined for this server in the System Options File

Explanation: The TCPSERVERADDRESS for this server is not defined in the server name stanza in the system options file.

System action: TSM initialization fails and the program ends.

User response: See the TSM administrator for your system, and make sure that the server to which you are trying to connect, has a valid TCPSERVERADDRESS defined in the system options file.

FMV1219E A virtual node name must not equal either a node name or the system host name.

Explanation: A VIRTUALNODENAME option was entered with a name the same as either a NODENAME option or the system host name.

System action: Initialization fails and the program ends.

User response: If the virtual node name entered was the same as the host name, remove the virtual node name option. If it was the same as the node name option, you can remove either one, depending upon the intended usage. Node name is used to assign an alternate name to your system. Virtual node name is used to access another system's server data.

FMV1220E The TSM server is out of resources.

Explanation: A lack of a storage resource or a maximum value condition does not allow any new activity.

System action: TSM canceled the current operation.

User response: Try the operation again at a later time. If the problem continues, contact your TSM administrator to isolate what resource is unavailable. The TSM administrator can check the TSM server activity log for messages that might explain the problem.

FMV1221E Transaction aborted

Explanation: The current transaction between the server and the client stopped. A server, client, or communication failure cannot be recovered.

System action: TSM canceled the current operation.

User response: Retry the operation. If the problem continues, see your system administrator to isolate the problem.

FMV1222E Disk space limit for this process reached

Explanation: The disk space allocated for the client owner is full.

System action: Processing stopped.

User response: Free up disk space and retry the restore or retrieve operation.

FMV1223E File is not compressed; System failure.

Explanation: A file that was flagged as compressed was not compressed, and the system failed.

System action: Processing stopped.

User response: See your system administrator to report this problem. This error is a system failure.

FMV1224E File compressed on a different client machine that has more memory

Explanation: You are trying to restore a file that was backed up and compressed on another client workstation that had more memory than your client workstation. You cannot restore this file. When the file is restored, it is expanded and your workstation does not have enough memory.

System action: TSM canceled the operation.

User response: Obtain a machine with more memory and retry the operation.

FMV1225E Insufficient memory for file compression/expansion

Explanation: Not enough memory is available to do data compression or expansion. For a restore or retrieve, the file cannot be recalled from the server until more storage is made available. For a backup or archive, try running without compression if storage cannot be made available.

System action: Processing stopped.

User response: Free up extra storage for the operation to continue, or run the backup or archive process without compression enabled.

FMV1226E Destination file or directory is write locked

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

System action: File skipped.

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

FMV1227E Processing stopped; Disk full condition

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

System action: Processing stopped.

User response: Free up disk space, or restore or retrieve the file to another disk.

FMV1228E Sending of object '*object-nameobject-nameobject-name*' failed.

Explanation: The specified file (*object-name*) cannot be sent to the server. This message is accompanied by at least one other message that has more specific information about why the file could not be processed.

System action: File skipped.

User response: Check previous messages pertaining to this file that indicate the reason for the failure. Where applicable, correct the conditions that prevented the file from being sent to the server. The specific corrective actions will depend on the reason for the failure.

FMV1229E MODE=INCREMENTAL is not valid on *file-space*. Image backup not processed.

Explanation: Because the file space has been the subject of at least one progressive incremental backup, the MODE=INCREMENTAL option (incremental by image date) cannot be used with the backup image command.

System action: File system skipped.

User response: If an image backup of the named file space is desired, retry the command without the MODE=INCREMENTAL option. To prevent this behavior in the future, delete the file space from the server and do only BACKUP IMAGE -mode=selective and BACKUP IMAGE -mode=incremental from that point on.

FMV1230E Stale NFS File Handle

Explanation: An NFS file system becomes stale.

System action: File system skipped.

User response: Check the NFS mounted filesystem.

FMV1231E No file handles available

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

System action: Processing stopped.

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

FMV1232E The file exists and cannot be overwritten.

Explanation: The file being restored or retrieved exists and cannot be overwritten due to lack of authority or access permissions.

System action: The file is skipped.

User response: Verify that you have sufficient access permissions to overwrite the file, then try the operation again. If the problem persists, contact your system administrator or TSM administrator for further assistance.

FMV1233E An invalid file handle was passed; system error.

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

System action: processing stops.

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

FMV1234E Protocol violation

Explanation: A communications protocol error occurred. The communication subsystem is not properly defined or is itself in error.

System action: TSM ended the current operation.

User response: Verify that the communication processes are operating properly, and then retry the operation.

FMV1235E An unknown system error has occurred from which TSM cannot recover.

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

System action: Processing stops.

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

FMV1236E An unexpected error occurred.

Explanation: This is usually caused by a low-level system error or communication error from which TSM cannot recover.

System action: Processing stopped.

User response: Examine the client error log for any additional messages that might be related to this problem. Try the operation again. If the problem persists, contact TSM technical support for further assistance.

FMV1237E A problem has occurred on the TSM server.

Explanation: The TSM client error log and the TSM server activity log might contain additional information about this error.

System action: Processing stops.

User response: Try the operation again. If the problem persists, examine the TSM client error log and TSM server activity log for additional information about this error. If the problem cannot be resolved, then obtain a SERVICE trace that captures the problem and contact IBM technical support for additional assistance. Your TSM administrator can help you configure the trace.

FMV1238S A policy management problem has occurred on the TSM server.

Explanation: The TSM client error log and TSM server activity log may contain additional information about this error.

System action: Processing is stops.

User response: Try the operation again. If the problem persists, examine the TSM client error log and TSM server activity log for additional information about this error. If the problem cannot be resolved, then obtain a SERVICE trace that captures the problem and contact IBM technical support for additional assistance. Your TSM administrator can help you configure the trace.

FMV1241E File is in use; Write permission denied.

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

System action: File skipped.

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

FMV1242E Too many symbolic links were detected while resolving name

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

System action: File skipped.

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

FMV1243E The file name is too long and can not be processed by TSM

Explanation: The size limit for file names may vary by operating system. The most common limit is 256 characters. The file name being processed exceeds the limit supported by TSM on this system.

System action: The file is skipped.

User response: Enter HELP FILE SPEC or see the client manual for the operating system on which you are receiving this error. The "File specification syntax" section of the manual explains file name lengths supported by TSM.

FMV1244E File system is locked by system

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

System action: TSM cannot complete the operation.

User response: See your system administrator.

FMV1245E The file has an unknown format.

Explanation: TSM tried to restore or retrieve a file, but it had an unknown format.

System action: The file is skipped.

User response: The file was either backed up by another application, or the data is invalid. If the file belongs to this system, try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1246E A command-line argument exceeded the maximum length (*maximum length*) for a single token.

Explanation: Command-line arguments may not exceed *maximum length* characters.

System action: The command is not processed.

User response: Correct the command and retry the operation.

FMV1247I Waiting for files from the server...

Explanation: Restore request has been sent to the server. The wait time depends on how many files you are restoring.

System action: TSM waits for files to restore from the server.

User response: None.

FMV1248E An active restore for the same source file specification exists. Unable to continue with this request.

Explanation: Currently, there is an active restore for the same source file specification. Another restore of the same source file specification cannot be started.

System action: The requested restore fails.

User response: Start another restore with a different source file specification.

FMV1249W Server cannot restart the last restore request. Do you want to restore without restart or abort the request?

Explanation: The restart restore token has expired. The server cannot restart the restore from where it last ended.

System action: Processing stopped; waiting for user intervention.

User response: Retry the request without restart or abort the request.

FMV1251E File system/drive not ready

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

System action: Processing stopped.

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

FMV1252W The server that you are connected to does not support this function.

Explanation: You attempted to run a backup-archive client operation when connected to the virtual server. Backup-archive client operations are not supported when connected to the virtual server.

System action: The operation fails.

User response: Connect to a valid server before attempting this function.

FMV1253E File input/output error

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

System action: File or file system is skipped.

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

FMV1254E File write error

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

System action: File skipped.

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

FMV1255E File exceeds system/user file limits

Explanation: A file being restored or retrieved exceeds system set limits for this user.

System action: File skipped.

User response: Ensure that the system limits are set properly.

FMV1256E Cannot make file/directory

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

System action: File skipped.

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

FMV1257E An error occurred while preparing the system object for restore.

Explanation: This message is typically issued when the client is unable to delete the ADSM.SYS staging directory in preparation for restoring the system object.

System action: The system object is not restored.

User response: Check the error log for any other

messages that might indicate a reason for the failure, correct any indicated problems, then try the operation again. If the problem occurs again, manually delete the ADSM.SYS directory, then try the operation again. If the problem cannot be resolved, contact IBM technical support for further assistance.

FMV1258E The image snapshot operation failed.

Explanation: TSM was not able to take a snapshot of the specified volume.

System action: Processing stopped.

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

FMV1259E The image snapshot operation failed. Diagnostic text: *diag_text*.

Explanation: An error was encountered during image backup snapshot processing. The diagnostic text can vary, depending on the error.

System action: The operation ends.

User response: Examine the client error log for additional messages that might indicate the reason for the problem. Take any corrective action suggested by the messages, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1260E File is being recalled or has been recalled.

Explanation: The file is being recalled by another process or has been recalled.

System action: File skipped.

User response: None

FMV1261W The archive description you specified is the empty string. TSM will use the default description (Archive Date: current date).

Explanation: The description option on the archive command may not specify a null string.

System action: Processing continues, and the description option is ignored.

User response: None. Specify at least one character in the description

FMV1262E The password is not updated. Either an invalid current password was supplied or the new password does not fulfill the server password requirements.

Explanation: The password is not updated because of one of the following reasons:

- You entered an incorrect current password or
- You entered a new password that does not fulfill the password length requirements. The length requirements are set on the server.

System action: The password is not updated on the server.

User response: Enter another password.

FMV1263E The active policy set does not contain any backup copy groups. The backup operation can not continue.

Explanation: In order to back up files, the policy set must contain at last one backup copy group.

System action: TSM did not backup the file.

User response: The TSM administrator needs to update or define at least one management class in your policy set that contains a backup copy group, or else assign you to a different policy domain that contains at least one backup copy group. Contact your TSM administrator for further assistance.

FMV1264E The active policy set does not contain any archive copy group. The archive operation cannot continue.

Explanation: In order to archive files, the policy set must contain at least one archive copy group.

System action: TSM did not archive the file.

User response: The TSM administrator needs to update or define at least one management class in your policy set that contains an archive copy group, or else assign you to a different policy domain that contains at least one archive copy group. Contact your TSM administrator for further assistance.

FMV1265E Encountered bad mount or filesystem, processing stopped.

Explanation: The getmnt system call returned an error indication. Error was encountered trying to determine what the mounted file systems are.

System action: Processing stopped. Cannot recover.

User response: There is a bad file system or mount point on your system. Look at file systems and mounts, and correct any errors. If unsuccessful, see your system administrator for more information.

FMV1266E Encountered bad mount or filesystem, processing stopped.

Explanation: An error was encountered trying to determine what the mounted file systems are.

System action: Processing stopped. Cannot recover.

User response: Please, see your system administrator for more information.

FMV1267E The management class for file *file-name* does not allow migration. This file will not be migrated.

Explanation: The management class for this file does not allow migration

System action: File is skipped.

User response: Either have the TSM administrator change the Space Management Technique within the management class to a value other than NONE or change the include/exclude list to specify a management class with the appropriate Space Management Technique value.

FMV1268E This file has been migrated.

Explanation: The error can result from migrating a file with hard links. After a file with hard links is migrated, attempts to migrate the alias files yield an error.

System action: The file is skipped.

User response: If this error is not a result of a hard linked file migration, then this error might be due to the previous cancelled migration or recall operation. In this case, restart the dsmrecalld daemon and try the operation again.

FMV1269I File is implicitly excluded.

Explanation: You tried to back up or migrate a file that is implicitly excluded.

System action: TSM will not back up or migrate an implicitly excluded file.

User response: None.

FMV1270I Forcing compression off to enable future server-free restore.

Explanation: Because ENABLESERVERFREE had been specified, and an attempted server-free data movement fell back to non-server-free, the TSM client is forcing compression off. This is to enable future server-free restore of the object backed up, when the problems preventing a server-free backup from occurring have been resolved.

System action: The operation continues without compression.

User response: Either Remove the ENABLESERVERFREE option from the system option file, or set COMPRESSION off in the option file.

FMV1271E The compressed file is corrupted and cannot be expanded correctly.

Explanation: The compressed file cannot be expanded correctly due to one of the following reasons:

- There is a problem on the tape.
- There is a communications problem.
- The compressed file was corrupted on the TSM Server.

System action: File skipped.

User response: 1) The compressed file is corrupted because there is a problem on the tape. To know if this is the problem, please issue the following command on the TSM Server: audit volume <volume_name> fix=no If there is any problem reported, you could move the data from that volume to a new one (see command MOVE DATA) and try again the restore. 2) There are communications problems between the TSM Server and the TSM Client and the results is that the file is corrupted during the transmission. If you use a gigabit Ethernet adapter on the Server please upgrade the card driver (AIX platform) or add provided by SUN suggested changes to some system network options which have resolved this problem (SUN platform). 3) Please verify with your network support if during the restore there are no any problems between the TSM Client/Server that is originating the file corruption.

FMV1272W Adaptive subfile backup has been configured on the client but the server doesn't allow this type of backup. Adaptive subfile backup will not be used for this operation.

Explanation: Adaptive subfile backup forced off by the server.

System action: Processing continues.

User response: Set up the server to allow clients to back up subfiles.

FMV1273E The image plug-in was not able to acquire an exclusive lock on volume: *volume_name*

Explanation: To perform an offline image backup or an image restore, IBM Tivoli Storage Manager requires exclusive use of the volume.

System action: Processing stopped.

User response: Verify that no other application is accessing the volume. If this volume is being accessed by applications that can not be shut down during backup then perform an online image backup (snapshot with LVSA) instead. During restore of an image, IBM

Tivoli Storage Manager must have exclusive use of the volume.

FMV1274E Error Loading WINSOCK.DLL

Explanation: Error loading the Windows socket support file into memory. This error only applies when using TCP/IP communications.

System action: Connection to server fails.

User response: Because this error is caused by insufficient memory, shut down running applications and retry. If the problem persists, see your system administrator.

FMV1275E Error Loading Function(s) from WINSOCK.DLL

Explanation: Error loading one or more functions from the Windows socket support file.

System action: Connection to server fails.

User response: Since this might possibly be caused by insufficient memory, shut down running applications and retry. If the problem persists, see your system administrator.

FMV1276I \"Log on as a service\" right granted to *account*

Explanation: You specified a Windows user account which did not have the security right to run as a service

System action: TSM granted the "log on as a service" right to the account you specified.

User response: No action required.

FMV1277E Error occurred while granting \"log on as a service\" right to *account*

Explanation: You specified a Windows user account which did not have the security right to run as a service. TSM encountered a problem attempting to grant this right automatically.

System action: The "log on as a service" right is not granted to the account specified.

User response: Insure the account from which you are configuring the service has authority to grant rights and retry the request. Alternatively run the Windows policy editor from an administrative account to grant the "log on as a service" right to the account that is associated with the service you are configuring.

FMV1278W Virtual mount point '*filespace-name***' is a file system. It will be backed up as a file system.**

Explanation: A virtual mount point that is a file system is invalid and should be deleted.

System action: The virtual mount point is ignored.

User response: Delete the virtual mount point.

FMV1279W Virtual mount point '*filespace-name***' cannot be used in a file system handled by automounter and is ignored.**

Explanation: Virtual mount points cannot be used in a file system handled by automounter. If virtual mount points reside in a file system that is processed from an automounter, the backed up files underneath the virtual mount points will be expired when the file system is unmounted.

System action: The virtual mount point is ignored.

User response: Delete the virtual mount point.

FMV1286E -nasnodename option required for this operation.

Explanation: User issued a NAS related command and NASNodename option is missing.

System action: Operation aborted.

User response: Use -nasnodename option with the command or place nasnodename option in the option file.

FMV1287E Volume could not be locked.

Explanation: The system call to lock the volume failed.

System action: Processing stopped.

User response: Please verify that no other application is accessing the volume. If this volume is being accessed by applications that can not be shutdown during backup then perform an online image backup (snapshot) instead. During restore of an image TSM must have exclusive use of the volume.

FMV1288E The (-TYPE) option is required with the SET EVENT command.

Explanation: There is no default value for the -TYPE option. It must be explicitly entered with the command.

System action: Current command ends.

User response: Enter the SET EVENT command again with the TYPE option and a value of HOLD, RELEASE, or ACTIVATERETENTION.

FMV1289W Bad areas on '*volume*' between sectors *hi*:*lo* and *hi*:*lo*

Explanation: Some bad sectors within the specified range were detected on the volume during image operation.

System action: Processing continues.

User response: Make sure the volume data is not corrupt by using system tools like chkdsk (Windows) or fsck (UNIX).

FMV1300E File '*file_name*' cannot be reconstructed because a necessary component was not restored.

Explanation: The subfile backup technique was used to back up this file. During the restore, a portion of the file was not be obtained from the server.

System action: The file indicated in the message is not restored. Restore for all other files continues.

User response: Try to restore the file again by selecting the file for restore from the user interface. You can also check the client error log and the server activity log for any messages related to the file indicated in the message.

FMV1301E This operation cannot continue due to an error on the TSM server. See your TSM server administorator for assistance.

Explanation: The TSM server encountered an error condition that prevents the TSM client operation from continuing. Your TSM server administrator can review the TSM server activity log for more details about the error.

System action: Processing stopped.

User response: Contact your TSM server administrator for assistance. The administrator can review the TSM server activity log for further information about the conditions that lead to this error.

FMV1302E No objects on server match query

Explanation: No objects on the server match the query operation being performed. If this object is part of a backupset generated on a node, and the node name is changed on the server, any backup set objects that were generated prior to the name change will not match the new node name.

System action: Processing stopped.

User response: Ensure the names are properly entered. If the object is part of a backupset generated prior to a node name change, ensure that the node name is the same as the node for which the backup set was generated.

FMV1303E Client ended transaction

Explanation: The client system ended the operation with the server and ended the current transaction.

System action: Processing stopped.

User response: Restart the session.

FMV1304W An active backup version could not be found.

Explanation: An attempt was made to expire an object, but the TSM server was unable to find an active backup version of the object. This message is preceded by message FMV1228E which specifies the object name. For instance, this message could be issued if two separate client processes are backing up the same file system at the same time. If one of the processes expires a file, then the TSM server will make that file inactive. If the second process subsequently attempts to expire that same file, the TSM server will not find an active version of the file, so the second process will issue this message for that file.

System action: The object is not expired. Processing continues with the next object.

User response:

- Review the console output, schedule log, or error log and locate the FMV1228E message that immediately precedes this message. FMV1228E will identify the object that could not be expired.
- Examine the conditions under which the problem occurred and assess whether those conditions explain the occurrence of this message. For example, this message could appear if multiple instances of the client were attempting to back up the file system concurrently.
- If the reason this message occurred can not be determined and the message occurs when the operation is tried again, then contact IBM support for further assistance. Also try searching for this message number on http://www.ibm.com for possible solutions.

FMV1305E The TSM server has no data for the object.

Explanation: TSM tried to do a restore or retrieve on an object that has no data associated with it. If a corrective action is possible, it is with the TSM server.

System action: TSM ends the current operation.

User response: Ask the TSM administrator to check the TSM activity log for any messages related to this error that might help identify the problem.

FMV1306E You entered an incorrect password.

Explanation: You entered an incorrect current password or you entered a new password that does not fulfill the password length requirements set on the server.

System action: Processing stops.

User response: Retry the session with the correct password. If this fails or you have forgotten your password, ask the TSM administrator to assign a new password.

FMV1307E Node in use

Explanation: The node you are running on is in use by another operation on the server. This might be from another client or from some activity on the server.

System action: Processing stopped.

User response: Retry the operation, or see your system administrator to see what other operations are running for your node.

FMV1308E Expiration date must be greater than today's date

Explanation: Archive expiration date is too low, the date must be greater than today’s date.

System action: TSM canceled the current operation.

User response: Retry archiving the file with an expiration date that is higher than today’s date.

FMV1309I The requested data is offline.

Explanation: For the restore or retrieve operation, one or more of the requested files must be recalled from offline storage media (generally tape). The wait time depends on your site’s offline storage management policies.

System action: TSM waits for offline storage media to become available and then continues.

User response: None.

FMV1310E Object too large for server limits

Explanation: The object is too large. The configuration of the server does not have any data storage space that accepts the object.

System action: File skipped.

User response: See your system administrator to determine the maximum file (object) size for which your site’s server is configured.

FMV1311E Server out of data storage space

Explanation: The server does not have any space available to store the object.

System action: TSM ended the current operation.

User response: You can take any of the following actions:

- Request the system administrator to add space to the storage pool.
- For TSM client, set COMPRESSALWAYS=NO and COMPRESSIon=YES in the options file (DSM.OPT), then the file will be resent uncompressed if it grows during compression.
- For API Applications, consult the application's documentation for recommendations regarding compression.
- Turn off disk caching in the disk storage pool, and issue MOVE DATA commands to each disk pool volume to clear out the cached bitfiles.

FMV1312E Server media mount not possible

Explanation: Server media mount not possible. The server timed out waiting for a mount of an offline volume.

System action: File skipped.

User response: Retry later when server volumes can be mounted. Ensure that the MAXNUMMP (maximum number of mount points) defined on the server for this node is greater than 0.

FMV1313E Size estimate exceeded

Explanation: The total amount of data for a backup or archive operation exceeds the estimated size originally sent to the server for allocating data storage space. This happens when many files are growing by large amounts while the backup or archive operation is in session.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, check what other processes are running on the client machine that are generating large amounts of data. Disable those operations while the backup or archive operation is taking place.

FMV1314E File data currently unavailable on server

Explanation: The file data is currently unavailable on the server. A retrieve or restore operation was attempted. Possible causes are:

- Data was corrupted at the server
- Server found a read error
- File is temporarily involved in a reclaim operation at the server

- Server requested a tape volume that was marked unavailable.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, see your system administrator to determine the problem from the server console or the activity log. Check whether any requests were made for a tape volume that was unavailable. A tape volume may be marked unavailable if prior read errors were encountered or the volume is checked out of the tape library.

FMV1315W Unexpected retry request. The server found an error while writing the data.

Explanation: None.

System action: The client retries the operation.

User response: None.

FMV1316E The server does not have enough recovery log space to continue the current operation

Explanation: The server ran out of recovery log space.

System action: TSM ended the current operation.

User response: This error is a temporary problem. Retry later or see your system administrator.

FMV1317E The server does not have enough database space to continue the current operation

Explanation: The server ran out of database space.

System action: TSM ended the current operation.

User response: See your system administrator.

FMV1318E The server does not have enough memory to continue the current operation.

Explanation: The server ran out of memory.

System action: TSM ended the current operation.

User response: This is a temporary problem. Retry later or see your system administrator.

FMV1319E An error occurred on the IBM Tivoli Storage Manager server while trying to rename file space *file_space_name*

Explanation: None.

System action: Because the file space cannot be renamed, the operation stops.

User response: Check the client error log and the IBM Tivoli Storage Manager server activity log for any other messages that might help identify the problem. If the problem cannot be resolved, contact IBM technical support for additional assistance.

FMV1320E The specified file space does not exist on the server. The file space might have been deleted by another client or an administrator.

Explanation: The specified file space does not exist on the server. Your system administrator deleted the file space or another client using your client's node name deleted it.

System action: TSM canceled the current operation.

User response: Check the file space name to see if it is correct, and retry the operation.

FMV1321S Open Registration failed because the specified node name is defined in the server

Explanation: Open registration failed because a node is defined in the server with the same name.

System action: TSM canceled the current operation.

User response: Retry with another node name.

FMV1322S Open Registration failed because no default domain exists

Explanation: Open registration failed because a default policy domain does not exist for you to place your node.

System action: TSM canceled the current operation.

User response: See your system administrator.

FMV1323S Open Registration failed because an invalid node name was specified

Explanation: Open registration failed because the specified node name contains invalid characters.

System action: TSM canceled the current operation.

User response: Retry with another node name that does not have any invalid characters.

FMV1326S The TSM server does not currently have space in the storage pool for this file. This may be a temporary condition.

Explanation: This message is typically issued when the storage pool in which the data is being placed does not have sufficient space to store the data, but the space will be available soon. For example, a storage pool migration might free up sufficient space to store the data.

System action: TSM ends the current operation.

User response: Try the operation at a later time. If this fails, contact the TSM administrator and request more storage pool space.

FMV1327W The snapshot operation for '*volname*' failed with error code: *retcode*.

Explanation: A snapshot could not be taken of the specified volume.

System action: Snapshot processing stopped.

User response: Check the client error log for any other messages that might help identify the problem. If the problem cannot be resolved, contact IBM technical support for additional assistance.

FMV1328W An error occurred generating delta file for '*file-name*'. The return code is *retcode*.

Explanation: An error occurred that prevented the creation of the delta file. Possible reasons for this error include:

- The base file cannot be opened for reading
- The file being backed up cannot be opened for reading
- The delta file cannot be opened for writing
- The file being backed up has grown to a size larger than 2 GB
- A memory file mapping of the file cannot be created

System action: A full backup of the file is made, and a new version of the reference file is stored in the subfile cache.

User response: If the message indicates return code 4504, check the delta subfile cache directory for any residual delta files. The delta subfile cache directory is specified by the client option SUBFILECACHEPATH. Search the directory for files named \".dXXXXXXXX\" where \"XXXXXXXX"\ is an eight-digit number. If there are no backup operations in progress, there should not be any files in the SUBFILECACHEPATH with this name. If there are no backup operations in progress and these files exist, they can safely be removed. If you continue to receive this message but there are no residual delta files in the subfile cache directory and the file has not grown to a size larger than 2 GB, then contact IBM technical support for further assistance.

FMV1329S Server out of data storage space

Explanation: The server does not have space available to store the object.

System action: TSM ended the current operation.

User response: Report to your system administrator that a storage pool on the server is full.

FMV1330S This node currently has a pending restartable restore session. The requested operation cannot complete until this session either completes or is canceled.

Explanation: This operation can not be completed because a restartable restore session is pending. The operation is not allowed because the restartable session and the current operation affect the same file space.

System action: TSM ended the current operation.

User response: Issue a query restore to see the conflict. Issue the cancel restore command to delete any unneeded restartable restore sessions.

FMV1331E Only a TSM authorized user can perform this Action.

Explanation: User must be a TSM authorized user to perform this action. User is not password authorized and this action requires authorization.

System action: Processing stopped.

User response: User must be root user, or user must be the owner of the executable and the set effective user id bit is set to 'on' ('s' bit).

FMV1332E Run the '... for Administrators' version of the application.

Explanation: The user must be root or a system administrator and use the provided authorization tools to start IBM Tivoli Storage Manager

System action: IBM Tivoli Storage Manager terminates.

User response: The user must login as the root user or be a system administrator and use one of the following authorization tools to start IBM Tivoli Storage Manager:

- "TSM Backup for Administrators"
- "TSM Scheduler for Administrators"
- "TSM Scheduler Daemon for Administrators"

FMV1333I The used-block list used for the snapshot image backup of *volume_name* is different than list acquired before the start of snapshot.

Explanation: The snapshot image backup used-block list is taken before and after the start of the snapshot for informational purposes.

System action: Processing continues.

User response: None.

FMV1334W Volume mount point '*filespace namepath-namedir-name*' was not restored because the target directory is not empty.

Explanation: Volume mount points can only be restored if the target directory does not already exist, or if the target directory exists but is empty. If the target directory exists and is not empty, or already is a junction point, then the volume mount point cannot be restored. On Windows Vista, it is normal to see these warnings during system drive restore as there are many junction points that point to the '%systemroot%\Users' folder.

System action: The volume mount point is not restored. Processing continues with the next object.

User response: Correct the conflict with the non-empty directory, then try the operation again. This is especially important when this message is issued for a volume mount point that resides in the SYSVOL, since an incomplete SYSVOL restore can result in system stability problems. See the reference information for the RESTORE command in the client manual for additional information about restoring volume mount points.

FMV1335E The RSM database files could not be restored.

Explanation: None.

System action: The RSM database is not restored. Otherwise, processing continues.

User response: Check the client error log for any other messages that might help identify the problem. Reboot the system, then try the RSM restore operation again. If the problem cannot be resolved, contact IBM technical support for further assistance.

FMV1336I RSM service must be restarted for changes to become effective.

Explanation: RSM database files have been restored from the server and imported. The RSM service must be restarted for the updates to become effective.

System action: Processing continues.

User response: None.

FMV1337I Restarting the RSM service...

Explanation: RSM database files have been restored from the server and imported. TSM is about to stop then restart the RSM service.

System action: Processing continues.

User response: None.

FMV1338I Restart of the RSM service is completed.

Explanation: RSM database files have been restored from the server and imported. TSM has restarted the RSM service on the user's behalf.

System action: Processing continues.

User response: None.

FMV1339E Restart of the RSM service failed. Restart the RSM service manually.

Explanation: RSM database files have been restored from the TSM server and imported. TSM has tried to restart the RSM service on the user's behalf but has run into a problem.

System action: Processing stopped.

User response: Restart the RSM service manually.

FMV1340E An error occurred while backing up the RSM database.

Explanation: An error occurred while backing up the RSM database files. The database will not be backed up.

System action: Processing stopped.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1341E An invalid character appears in the operand: *operand*.

Explanation: The *operand* contains a character that is not valid in the current locale and code page. It cannot be translated to its internal wide-character format.

System action: Processing stops.

User response: Change the locale of the workstation to match the language in which the operand is recorded, and try the command again.

FMV1342E Client cache is locked; unable to continue with operation.

Explanation: The client cache is currently locked by another process.

System action: Processing stopped.

User response: Report the program error to your service representative.

FMV1343E The option '*specified-option*' can only be entered when '*other-option*' has been entered.

Explanation: The command failed because the specified option (*specified-option*) option was entered, but the other option (*other-option*) was not.

System action: The command is terminated.

User response: Run the command without the specified option. Alternatively, run the command with the other option added.

FMV1344E Job is running in the background. Cannot prompt for the Key.

Explanation: When jobs are run in the background, the client cannot prompt for the key.

System action: Processing stopped.

User response: Run the Job in the foreground.

FMV1345E No objects on server match '*object-nameobject-nameobject-name*'

Explanation: The specified file (*object-name*) does not have a match on the server.

System action: File skipped.

User response: Backup the file and retry the operation. If the problem continues, see your system administrator to isolate the problem through use of the server console.

FMV1346E The image snapshot operation failed. The SNAPSHOTCACHELocation does not contain enough space for this snapshot image backup.

Explanation: TSM was not able to take a snapshot of the specified volume. The SNAPSHOTCACHELocation points to a location which does not contain the space necessary to manage the snapshot. This could be due to an unexpected amount of disk activity which is generating more changes than can be contained in the available space at this particular point in time, or the SNAPSHOTCACHELocation needs to be changed because the specified location is not large enough to handle the usual amount of changes to the volume. Another reason for this failure can be that the specified SNAPSHOTCACHESize is not set to a large enough value to handle the usual amount of changes to the volume during snapshot image backup.

System action: Processing stopped.

User response: If the problem persists please increase the SNAPSHOTCACHESize and/or change the value of the SNAPSHOTCACHELocation.

FMV1347E The image snapshot operation failed. The percent of space to use, specified via the SNAPSHOTCACHESize, has been exceeded.

Explanation: TSM was not able to take a snapshot of the specified volume. The percent of space allotted via the SNAPSHOTCACHESize option was not enough to perform this snapshot image backup. This could be due to an unexpected amount of disk activity which is generating more changes than can be contained in the allotted space at this particular point in time. Another reason for this failure can be that the specified SNAPSHOTCACHESize is not set to a large enough value to handle the usual amount of changes to the volume during snapshot image backup.

System action: Processing stopped.

User response: If the problem persists please increase the SNAPSHOTCACHESize or, for Windows, change the value of the SNAPSHOTCACHELocation.

FMV1348E Unable to satisfy the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options due to volume write activity.

Explanation: TSM was not able to take a snapshot of the specified volume. The Logical Volume Snapshot Agent was not able to satisfy the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options before starting the snapshot of the specified volume.

System action: Processing stopped.

User response: If the problem persists please modify the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options to better fit the normal disk write activity of the volume being backed up.

FMV1349E An error occurred during Logical Volume Snapshot Agent snapshot processing.

Explanation: An unrecoverable error occurred during snapshot processing. This can be caused by a variety of errors, so the error and system event logs should be checked for additional messages.

System action: Processing stopped.

User response: Check the client error log and the system event log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1350E The logical volume snapshot agent (LVSA) is currently busy performing a snapshot on this same volume.

Explanation: Another IBM Tivoli Storage Manager process is already performing a snapshot of this volume.

System action: The operation is stopped.

User response: Please wait until the other IBM Tivoli Storage Manager process finishes with the volume and then retry the operation.

FMV1351E Session rejected: All server sessions are currently in use

Explanation: TSM has all available sessions in use and cannot accept a new one at this time.

System action: TSM canceled the current operation.

User response: Retry the operation. If the problem continues, see your system administrator to increase the number of concurrently active sessions to the server.

FMV1352E The session is rejected. Your password has expired.

Explanation: The password for TSM user ID has expired. It can be either TSM node name password or administrative user ID password or both.

System action: TSM canceled the current operation. You are not allowed to connect to the server until the password is updated.

User response: Update your password. It may require updating the node name password or the corespondent administrative ID password or both. You may use the SET PASSWORD command, or have the TSM administrator update your node and/or your administrative ID.

FMV1353E Session rejected: Unknown or incorrect user ID entered

Explanation: The user ID, which is either TSM node name or administrative user ID, is not known by the server. Possible reasons for this include:

- Your node name is not registered with the TSM server
- The node name is correct but does not have a corresponding administrative ID with the same name and client owner authority
- you are attempting to access a file that was migrated to a different node.

System action: TSM cancelled the current operation.

User response: Verify that the server is using closed registration and that your node name is registered with the server. Ensure that you entered your TSM user ID correctly. Check that your TSM node name has a matching admin ID with client owner authority for the node. If it does not, your TSM administrator needs to create it. If attempting to access a migrated file, your node name must be the same node which migrated the file.

FMV1354E Session rejected: Duplicate ID entered

Explanation: Another process using this node name is active with the server.

System action: TSM cannot connect to the server. TSM canceled the current operation.

User response: If you are running a UNIX-based system, ensure that another process is not active with TSM under the same name. Also, ensure that your node name is unique to the server so that it cannot be used by another person. See your system administrator to identify the owner of that node name.

FMV1355E Session rejected: Server disabled.

Explanation: The server is in a disabled state and cannot be accessed for normal activity.

System action: TSM canceled the current operation.

User response: Retry the operation after the server returns to an enabled state. If the problem continues, see your system administrator.

FMV1356E The server is not configured to allow open registration

Explanation: No authorization. Registration is required by your system administrator. The server is not configured to allow open registration.

System action: Session not started.

User response: You must obtain a TSM node and password from your system administrator.

FMV1357S Session rejected: Downlevel client code version

Explanation: The server version and your client version do not match. The client code is downlevel.

System action: TSM canceled the current operation.

User response: See your system administrator to see what version of TSM to run for your location.

FMV1358S Session rejected: Downlevel server code version

Explanation: The server version and your client version do not match. The server code is downlevel.

System action: TSM canceled the current operation.

User response: See your system administrator to see what version of TSM to run for your location.

FMV1359E Session Rejected: The specified node name is currently in use

Explanation: The node name you specified is in use on the server.

System action: Session was not started.

User response: The server is probably performing a task that prevents your node from establishing a session. Retry later or check with your system administrator.

FMV1360I Compressed Data Grew

Explanation: The size of the file after compression is greater than the size of the file before compressed.

System action: Even though the size of the file increased, the file is compressed.

User response: None.

FMV1361E Session Rejected: The specified node name is currently locked.

Explanation: The node name you specified is currently locked on the server.

System action: Session was not started.

User response: Check with your system administrator to find out why your node name is locked.

FMV1362S SLM LICENSE EXCEEDED: The client licenses for TSM are exceeded. See your system administrator.

Explanation: Adding a new enrollment will exceed the product license count for TSM.

System action: Execution of the client enrollment or connection request ends.

User response: See your system administrator.

FMV1363E Session Rejected: The server does not have enough memory to allow a connection to be established.

Explanation: The server does not have enough memory to allow your client to establish a connection with the server.

System action: Session was not started.

User response: Retry later or see your system administrator.

FMV1364E Session Rejected: The server does not have enough recovery log space to allow a connection to be established.

Explanation: The server ran out of recovery log space.

System action: Session was not started.

User response: This error is a temporary problem. Retry later or see your system administrator.

FMV1365E Session Rejected: The server does not have enough database space to allow a connection to be established.

Explanation: The server ran out of database space.

System action: Session was not started.

User response: See your system administrator.

FMV1366E The session is rejected. The TSM server has an internal error.

Explanation: The client cannot establish a connection to the TSM server because of an internal server error.

System action: The session was not started.

User response: Notify your TSM administrator of this error.

FMV1367E The client is unable to sign on to the TSM server because the server does not allow sign-on of Unicode clients.

Explanation: The client is not allowed to connect to the TSM server.

System action: The session does not start.

User response: Contact your TSM administrator for assistance in configuring a working TSM client for your environment.

FMV1368S Session Rejected: The server is not licensed for this platform type. See your system administrator.

Explanation: The server is not licensed for the requesting client type.

System action: Execution of the client enrollment or connection request ends.

User response: See your system administrator.

FMV1369E Session Rejected: The session was canceled by the server administrator.

Explanation: The server administrator canceled the current client session.

System action: Execution of the client connection request ends.

User response: See your system administrator.

FMV1370E The user ID entered does not have the correct level of authority to access the client machine.

Explanation: The user ID entered cannot access this TSM client.

System action: The TSM operation ends.

User response: Grant authority to this user ID on the TSM server so that it can access this TSM client.

FMV1371E File " cannot be reconstructed from subfile components.

Explanation: An error occurred while reconstructing this file from its subfile components.

System action: The file indicated in the message is not restored. Restore for all other files continues.

User response: Try to restore the file again by selecting the file for restore from the user interface. You can also check the client error log and the server activity log for any messages related to the file indicated in the message.

FMV1372E An inconsistency was detected between the client node and the node that is registered to the TSM server.

Explanation: The user has probably coded the node option incorrectly. For instance, the node that is registered to the TSM server might be a type of NAS, but the node is actually a non-NAS client.

System action: The TSM operation ends.

User response: Ensure that the node name is correct in the client options file. Make sure to use a node of type NAS only with the nasnodename option.

FMV1373W The PRESNAPSHOTCMD command for volume *filespace* completed with a non-zero return code.

Explanation: The command specified by the PRESNAPSHOTCMD option must complete successfully in order to perform the snapshot backup/archive operation. If the command completed with a return code of 0 (zero), it has completed successfully. If the command completed with any other return code, it has failed. If the command failed, then the backup is still performed, but without the benefit of the snapshot technology.

System action: The client executes the backup/archive operation, but without using a snapshot.

User response: Identify and fix the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1374W The POSTSNAPSHOTCMD command for volume *filespace* completed with a non-zero return code.

Explanation: The command specified by the POSTSNAPSHOTCMD option completed with a non-zero return code. The snapshot-based backup operation yields a return code of at least 8.

System action: The snapshot-based backup operation continues.

User response: Identify and resolve the problem that caused the post-snapshot command to fail. If a non-zero return code is normal for this command, then consider wrapping the post-snapshot command in a script that always exits with a return code of zero.

FMV1375W File *FilesystemPathFileName* skipped by user

Explanation: You requested that this file be skipped during the current operation.

System action: The file is skipped during the current operation

User response: None.

FMV1376E Error processing '*filespace namepath-namefile-name*'; end-to-end digest validation failed.

Explanation: Cryptographic digest of the restored or retrieved data did not match the digest generated during the backup or archive operation. Possible causes are a transmission error, data corruption, or a hash collision.

System action: Processing stops

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

FMV1377W The client was unable to obtain a snapshot of '*volname*'. The operation will continue without snapshot support.

Explanation: TSM client was unable to create a snapshot of the volume due to some reason. Instead of failing the operation, TSM client will perform a non-snapshot based backup.

System action: Snapshot processing stops.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1378E The snapshot operation failed. The SNAPSHOTCACHELocation does not contain enough space for this snapshot operation.

Explanation: IBM Tivoli Storage Manager was not able to take a snapshot of the specified volume. The SNAPSHOTCACHELocation points to a location which does not contain the space necessary to manage the snapshot. Reasons for failure include:

- An unexpected amount of disk activity which is generating more changes than can be contained in the available space at this particular point in time.
- The SNAPSHOTCACHELocation is not large enough to handle the usual amount of changes to the volume.
- The specified SNAPSHOTCACHESize is not set to a large enough value to handle the usual amount of changes to the volume during snapshot backup or archive operation.

System action: Processing stopped.

User response: If the problem persists, increase the SNAPSHOTCACHESize or change the value of the SNAPSHOTCACHELocation.

FMV1379E The snapshot operation failed. The percent of space to use for the SNAPSHOTCACHELocation, specified via the SNAPSHOTCACHESize, has been exceeded.

Explanation: IBM Tivoli Storage Manager was not able to take a snapshot of the specified volume. The percent of space allotted via the SNAPSHOTCACHESize option was not enough to perform this snapshot backup/archive operation. Reasons for failure include:

- The SNAPSHOTCACHELocation is not large enough to handle the usual amount of changes to the volume.
- The specified SNAPSHOTCACHESize is not set to a large enough value to handle the usual amount of changes to the volume during snapshot backup or archive operation.

System action: Processing stopped.

User response: If the problem persists, increase the SNAPSHOTCACHESize or change the value of the SNAPSHOTCACHELocation.

FMV1380W The snapshot operation failed. The filesystem write activity prevented the Logical Volume Snapshot Agent from satisfying the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options.

Explanation: IBM Tivoli Storage Manager was not able to take a snapshot of the specified volume. The Logical Volume Snapshot Agent was not able to satisfy the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options before starting the snapshot of the specified volume.

System action: Snapshot processing stops.

User response: If the problem persists, modify the SNAPSHOTFSIDLEWait and SNAPSHOTFSIDLERetries options to better fit the normal disk write activity of the volume being backed up.

FMV1381W On volumes that are RAW or formatted FAT32 the snapshot cache location cannot be located on the same volume that is being backed up.

Explanation: When the snapshot cache location is located on the same volume that is being backed up the volume must be formatted with NTFS. The default cache location is on the same volume where the snapshot is being performed. The operation will continue without snapshot support.

System action: The client does not execute the snapshot operation.

User response: Specify a different snapshot cache location, using the SNAPSHOTCACHELOCATION option.

FMV1382E Server does not allow client-initiated connections for this node.

Explanation: The node is not allowed to initiate connections due to the configuration parameters for this node on the server. Server is able to initiate connections to the client scheduler running in prompted mode.

System action: The IBM Tivoli Storage Manager operation ends.

User response: Contact your systems administrator to enable client-initiated sessions for your node or update the SESSIONINITIATION option and run the client scheduler.

FMV1383E Wrong server port.

Explanation: You were trying to open a backup/archive client session on the server port set up for administrative sessions only.

System action: The IBM Tivoli Storage Manager operation ends.

User response: Contact your systems administrator and/or use the correct values for TCP port and TCP Admin Port.

FMV1384E An object in the transaction has been bound to an invalid management class.

Explanation: One of the objects in the transaction is bound to a management class that is not part of this node's policy, or the management class type is not supported for this client level.

System action: The current operation ends.

User response: Make sure all objects are bound to a valid management class, or upgrade the client to the proper level.

FMV1385E This server does not support backup operations.

Explanation: This server only supports archive operations, backup is not allowed.

System action: Current operation ends.

User response: Use only archive operations with this server.

FMV1386E Deleting this object: "*fshlll*" is not allowed.

Explanation: The object is either under a hold and cannot be deleted, or it is on a retention-protection enabled server and has not expired.

System action: The object is skipped and processing continues.

User response: Check the status of the object through a query to see if it is held, or when it expires.

FMV1387E The number of objects in this transaction exceed TXNGROUPMAX values.

Explanation: There are too many objects in this transaction.

System action: Current operation ends.

User response: Try the operation again with fewer objects in the transaction, or increase the TXNGROUPMAX value on the server.

FMV1388E *fshlll* is already under hold.

Explanation: The specified object is already under hold, and it cannot be placed under a new hold.

System action: This object is skipped and processing continues.

User response: Issue a query to see the status of the objects, and try the operation again, without the object that is already held.

FMV1389W Invalid option (*option*) for the scheduled *function* command

Explanation: There are two possible reasons for this message:

- The *option* option was specified for a scheduled command or subcommand (*function*) that cannot make use of that option.
- The option appears on a scheduled command but is valid only on the client scheduler initial command line, not on commands in a schedule from the server.

System action: The option is ignored.

User response: See the *Backup-Archive Client Installation and User's Guide* for correct use of the named option. The system administrator should remove the invalid option from the schedule definition on the server.

FMV1390I A TSM authorized user must configure the TSM client acceptor daemon and the TSM client scheduler.

Explanation: The installation of the TSM client acceptor daemon requires access to system locations, which require full access to the system. The TSM client acceptor daemon is installed as a startup item in /Library/StartupItems, and a link is added to /usr/bin for the dsmcad tool.

System action: The setup assistant cannot be used to configure the IBM Tivoli Storage Manager scheduler or the TSM client acceptor daemon.

User response: To acquire this access, system administrators must use the "TSM Backup for Administrators" application.

FMV1391W The TCA file permissions are not correct.

Explanation: The TCA is a tool used by TSM to provide secure access to the password file for non-administrators. If the permissions are not set correctly, and PASSWORDACCESS GENERATE is set, TSM cannot be used.

System action: Processing continues.

User response: Contact your system administrator so the permissions can be corrected. A System Administrator should use the "TSM Backup for Administrators" application to update the permissions.

FMV1392W The TCA file permissions are not correct. Would you like to update the permissions?

Explanation: The TCA is a tool used by TSM to provide secure access to the password file for non-administrators. If the permissions are not set correctly, TSM cannot be used. The dsmtca application

needs to be owned by root and have 4755 permissions.

System action: If you select yes, TSM will set the owner of the TCA to root and the permissions to 4755. If you select no, the permissions will not be changed. In either case, processing continues.

User response: Select yes when you are prompted so TSM can repair the permissions of the file. If you select no, PASSWORDACCESS GENERATE will not work for non-TSM Authorized users.

FMV1393W The command line tools are not installed. The command line tools include the TSM client acceptor daemon and the TSM client scheduler.

Explanation: The command line tools are required for the IBM Tivoli Storage Manager scheduler. The 'dsmcad' application or the 'put in /Library/Startupitems' folder could not be located.

System action: The setup assistant cannot be used to configure the IBM Tivoli Storage Manager scheduler.

User response: A System Administrator must reinstall IBM Tivoli Storage Manager the command line tools.

FMV1394E The node name contains periods. Would you like to remove them? Select "no" if this is an existing node name.

Explanation: A node name with periods complicates the management of the node.

System action: IBM Tivoli Storage Manager prompts to remove the periods.

User response: Respond to the prompt. If this is a new node, select "yes", so the node is created without the periods in the name. For existing nodes, select "no", so the node name is not changed.

FMV1395E The destination filespace or drive letter is unavailable. The following object was not processed: Filespace:'*filespace-name***'**

Explanation: The system is trying to restore or retrieve to a destination that cannot be reached. The specified filespace name or drive letter is not valid, or does not exist, or you are specifying a local share name that cannot be resolved.

System action: Objects which are part of this filespace are not processed.

User response: Try the command again, and specify a different destination for the object that was not processed.

FMV1396E Access to the specified log or trace file (*filename***) is denied.**

Explanation: Access to the specified file is denied. You specified a log or trace file name that cannot be written by the current user.

System action: Processing stops.

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

FMV1397W The snapshot cannot be taken because the SNAPSHOTCACHELocation does not have enough space for this snapshot operation.

Explanation: IBM Tivoli Storage Manager was not able to take a snapshot of the specified volume. The SNAPSHOTCACHELocation points to a location which does not contain the space necessary to create the snapshot; the disk is probably full. The operation continues without snapshot support.

System action: The client does not execute the snapshot operation.

User response: Change the value of the SNAPSHOTCACHELocation, or clean the disk to which the SNAPSHOTCACHELocation points.

FMV1398E Initialization functions cannot open one of the Tivoli Storage Manager logs or a related file: *log-name***. errno =** *errno-value***,** *reason*

Explanation: The file "*log-name*" could not be opened during initialization. The system set the error code *errno-value*. If the *reason* given is "access denied," the current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location.

On Unix systems, the log must not be in the root directory. Attempts to do so will result in an "access denied" error.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write. You may also use the ERRORLOGNAME option to specify a file to which the current user has write permission.

FMV1399W The logical volume snapshot agent (LVSA) is currently busy performing a snapshot on this same volume.

Explanation: IBM Tivoli Storage Manager was not able to take a snapshot of the specified volume because another process is already performing a snapshot of

this volume. The operation continues without snapshot support.

System action: Snapshot processing stops.

User response: Wait until the other IBM Tivoli Storage Manager process finishes with the volume and then try the operation again.

FMV1400W The snapshot cache location is not valid.

Explanation: The snapshot cache location must point to a local volume that is formatted with NTFS. The default cache location is on the same volume where the snapshot is being performed. The operation will continue without snapshot support.

System action: Snapshot processing stops.

User response: Specify a different snapshot cache location using the SNAPSHOTCACHELOCATION option.

FMV1401W The snapshot virtual volume is not accessible.

Explanation: The logical volume snapshot agent (LVSA) cannot access the virtual volume during OFS-enabled backup/archive operation because IBM Tivoli Storage Manager was probably started via terminal services. The operation continues without snapshot support.

System action: Snapshot processing stops.

User response: Do not use terminal services for the snapshot. Try the operation again on the local machine.

FMV1402W The snapshot is not supported on a remote, removable, or SAN drive.

Explanation: IBM Tivoli Storage Manager was not able to take a snapshot of the specified volume because open file support is only supported on local fixed volumes, including volume mountpoints. The operation continues without snapshot support.

System action: The client does not execute the snapshot operation.

User response: To take advantage of the open file support, you may try the operation again on the local machine.

FMV1403E Error loading a required *filename* DLL

Explanation: An error occurred while loading a dynamic link library. The DLL load failed.

System action: Processing stopped.

User response: Verify that your system software is up to date and that all DLLs required by the TSM client are present.

FMV1404E Error loading one or more functions from a required *filename* DLL

Explanation: An error occurred while loading a function from a dynamic link library. The DLL load failed.

System action: Processing stopped.

User response: Verify that your system software is up to date.

FMV1405I '*service-name*' service needs to be restarted.

Explanation: The service must be restarted for the restored changes to take effect.

System action: Changes are not effected.

User response: Restart the service.

FMV1406I Performing operation using point-in-time copy of the filesystem: '*volname*'.

Explanation: IBM Tivoli Storage Manager is taking a snapshot of the specified volume during the backup or archive operation. This allows the IBM Tivoli Storage Manager to access locked or in-use files.

System action: Operation proceeds.

User response: None.

FMV1407I Performing operation using point-in-time copy of the filesystem.

Explanation: IBM Tivoli Storage Manager is taking a snapshot of the specified volume during the backup or archive operation. This allows the IBM Tivoli Storage Manager to access locked or in-use files.

System action: Operation proceeds.

User response: None.

FMV1408W Previous changes have not been commited. The machine must be restarted before the snapshot can be taken

Explanation: IBM Tivoli Storage Manager was not able to take a snapshot of the specified volume because a previous operation required the machine to be restarted for the changes to take effect, but the machine has not been restarted. The operation will continue without snapshot support.

System action: The client does not execute the snapshot operation.

User response: Restart the machine and then try the operation again.

FMV1409E The remote copy process *process ID* on server could not be canceled.

Explanation: A remote copy operation with process id *process ID*, which is in progress on server, could not be canceled. Check your error log to see cause of failure.

System action: None.

User response: Contact your TSM administrator.

FMV1410E Unable to access the network path.

Explanation: The network path cannot be accessed due to a possible network problem.

System action: The client terminates.

User response: Ensure that the network is up and the path can be accessed using a system command, and retry the operation.

FMV1411E A communication session was dropped.

Explanation: A communication session was dropped due to a possible network problem.

System action: The client terminates.

User response: Ensure that the network is up and retry the operation.

FMV1412E Directory or file has bad EA data or inconsistent data.

Explanation: Directory or file has bad EA data or inconsistent data.

System action: The client terminates.

User response: Check failing directory or file for bad EA data. Copy the directory to a new location and retry the operation.

FMV1413W File '*filespace namepath-namefile-name*' is not recognized by the system as a disk file and cannot be processed. The file is skipped.

Explanation: The client is unable to process file types that are not 'disk', such as 'character' and 'pipe'. This message is typically, but not always, issued for file names that are normally reserved for the operating system. In the Windows environment, reserved names include AUX, CON, NUL, PRN, COMx or LPTx, where 'x' is any digit from 1 to 9 (for example, COM1, LPT3, etc.).

System action: The file is skipped.

User response: Either delete the file if you do not need it, or else use an EXCLUDE statement in the client options to prevent the client from trying to process the file. In the Windows environment, normal delete commands will most likely not work. You will need to prefix the file name with the characters '\\.\'. For example, "del c:\mydir\lpt4" will not work, but "del \\.\c:\mydir\lpt4" will work.

FMV1414W Don't have sufficient authority to delete open group on server.

Explanation: An open image group exists on the TSM server and cannot be deleted due to missing backup delete rights for this node.

System action: Processing continues.

User response: Ask your TSM administrator to grant backup delete rights for your node.

FMV1417W Protected system state file '*filename*' is backed up to the drive file space, not system state file space.

Explanation: Files protected by Microsoft Windows File Protection (WFP) or Microsoft Windows Resource Protection (WRP) are part of the Microsoft Volume ShadowCopy Services (VSS) System Writer which is part of the system state. These files are normally backed up as part of the system state, not the file system on which the files reside. A problem in the operating system environment prevented the protected file named in the message text from being enumerated as a system state file and thus backed up as part of the system state. The conditions that lead to this message are not normal. In order to ensure that the file is protected, it is backed up as part of the file system on which it resides.

System action: The file is backed up as part of the file system on which it resides.

User response: It is possible to restore the system using the file system and system state backups. However the conditions that prevent the system state files from being correctly enumerated should be addressed. On Microsoft Windows 2008 and Microsoft Windows 2008 R2 you can use the DiskShadow utility sub-command LIST WRITERS DETAILED to enumerate the system state files. On other versions of Microsoft Windows you can use the vshadow utility with the -wm2 option to enumerate the system state files. Verify that the file indicated in this message is not listed. Note: vshadow is a utility that you can obtain from Microsoft. After confirming that the files are not enumerated, contact your operating system technical support for help to diagnose and resolve the issue that prevents the file from being correctly enumerated as part of the system state.

FMV1418W A call to TSM API *API-name* failed.

Explanation: An unexpected error occurred while performing server-free data movement.

System action: The requested operation will be retried with out server-free data movement.

User response: Contact your TSM administrator to correct problems with server-free data movement.

FMV1419W Remote copy operation for volume *filespace-name* **failed or could not be restarted, return code** *retcode***.**

Explanation: An error occurred on server when starting or during the remote copy operation for volume *filespace-name*.

System action: The requested operation will be retried with out server-free data movement.

User response: Contact your TSM administrator to correct problems with server-free data movement.

FMV1420E Volume map document (tsmvolmap.txt) not found.

Explanation: An error occurred while performing VSS Automated System Recovery (ASR). Check dsmerror.log for more information.

System action: Processing stops.

User response: Ask your system administrator to check the error log.

FMV1421E The image object '*object-type***' was not found on server.**

Explanation: The specified image object of type *object-type* could not be located on the server. The operation cannot complete without this object.

System action: The operation ends.

User response: Examine the client error log for additional messages that might indicate the reason for the problem. Take any corrective action suggested by the messages, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1422W The image data for volume *filespace-name* **is either compressed or its compression information can not be determined.**

Explanation: The image data was backed up either with compression or by an older client version. This data format cannot be restored on server-free path.

System action: The requested operation will be retried without server-free data movement.

User response: None.

FMV1423W '*filesystem***' is a virtual mount point. Migration is not supported on virtual mount points.**

Explanation: Tivoli Storage Manager HSM does not support virtual mount points within managed file systems. Files in the virtual mount point folder can not be migrated.

System action: Tivoli Storage Manager attempts to continue the current operation.

User response: Do not use virtual mount points within file systems that are managed by HSM. Use include/exclude rules instead.

FMV1424W Retrying failed image operation for volume *filespace-name***.**

Explanation: The transaction for image operation for volume *filespace-name* failed due to reason described by earlier message(s).

System action: The requested image operation will be retried again.

User response: None.

FMV1425E The image operation for volume *filespace-name* **cannot be retried because of a severe error.**

Explanation: None.

System action: The image operation fails for the indicated volume.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1426E An error occurred creating the Registry backup directory structure

Explanation: The TSM client uses an intermediate directory structure on the client machine as part of the Windows Registry backup process. The client was unable to create this intermediate directory structure, so the Windows Registry could not be backed up. This problem can occur if you do not have sufficient privileges to perform the backup operations, if the client is unable to allocate more memory from the system, or if a component within the directory structure already exists as a file.

System action: The Windows Registry is not backed up.

User response: Check the client error log for any other messages that might have been logged when this message was written, and take the corrective action (if any) suggested by those messages. Make sure that account under which the operation runs has sufficient privileges. Ensure that the system has sufficient memory to run TSM. Remove the ADSM.SYS directory from the root of your system drive, then try the operation again. If the problem persists, contact IBM support for further assistance.

FMV1427I Registry Backup function completed successfully.

Explanation: Registry backup was successful.

System action: None.

User response: Continue with normal operations.

FMV1428E Backup of the registry failed.

Explanation: None.

System action: The registry is not backed up.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1429I Registry Restore function completed successfully.

Explanation: Registry Restore was successful.

System action: None.

User response: Continue with normal operations.

FMV1430W The machine must be rebooted for the changes to take effect.

Explanation: The TSM restore operation made changes that will not be in effect until the machine is rebooted. It is important to note that until the reboot occurs, the system or its applications might be unstable.

System action: None

User response: Reboot the machine as soon as possible after the TSM restore operation ends.

FMV1431E Restore of the registry failed.

Explanation: None.

System action: The registry is not restored.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1432E Keyword Expected after keyword '*keyword*'.

Explanation: A registry command was incorrectly entered.

System action: Registry function is not invoked.

User response: Refer to the command reference for this command.

FMV1433E Extraneous argument '*input*' after keyword '*keyword*'

Explanation: A registry command was incorrectly entered.

System action: Registry function not invoked.

User response: Refer to the command reference for this command.

FMV1434E Invalid argument '*input*' after keyword '*keyword*'

Explanation: A registry command was incorrectly entered.

System action: Registry function not invoked.

User response: Refer to the command reference for this command.

FMV1435E An error occurred saving a registry key.

Explanation: None.

System action: The registry is not backed up.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1436E An error occurred replacing a registry key.

Explanation: None.

System action: The registry key is restored from the server, but cannot be activated in the registry. The current registry key remains active.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1437I Event Log Backup function completed successfully.

Explanation: Event Log backup was successful.

System action: None.

User response: Continue with normal operations.

FMV1438E Backup of the event logs failed.

Explanation: None.

System action: The event logs are not backed up.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1439I Event Log Restore function completed successfully.

Explanation: Event Log Restore was successful.

System action: None.

User response: Continue with normal operations.

FMV1440E Restore of the event logs failed.

Explanation: None.

System action: The event logs are not restored.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1441E Keyword Expected after keyword '*keyword*'.

Explanation: A event log command was incorrectly entered.

System action: Event Log function is not invoked.

User response: Refer to the command reference for this command.

FMV1442E Extraneous argument '*input*' after keyword '*keyword*'

Explanation: A event log command was incorrectly entered.

System action: Event Log function not invoked.

User response: Refer to the command reference for this command.

FMV1443E Invalid argument '*input*' after keyword '*keyword*'

Explanation: A event log command was incorrectly entered.

System action: Event Log function not invoked.

User response: Refer to the command reference for this command.

FMV1444E An error occurred creating the Event Log backup directory structure

Explanation: The TSM client uses an intermediate directory structure on the client machine as part of the Windows Event Log backup process. The client was unable to create this intermediate directory structure, so the Windows Event Logs could not be backed up. This problem can occur if you do not have sufficient privileges to perform the backup operations, if the client is unable to allocate more memory from the system, or if a component within the directory structure already exists as a file.

System action: The Windows Event Logs are not backed up.

User response: Check the client error log for any other messages that might have been logged when this message was written, and take the corrective action (if any) suggested by those messages. Make sure that account under which the operation runs has sufficient privileges. Ensure that the system has sufficient memory to run TSM. Remove the ADSM.SYS directory from the root of your system drive, then try the operation again. If the problem persists, contact IBM support for further assistance.

FMV1445E ERROR: could not create NAS image object.

Explanation: Creation of the NAS image object failed for one of following reasons:

- An unauthorized user invoked the NAS command
- NAS operations are not supported on the current platform
- Cannot find the NAS plugin library.

System action: The requested NAS operation is not performed.

User response: Retry the operation after correcting the cause for failure.

FMV1446E VSS ASR backup document (ASRBackupDoc.xml) not found.

Explanation: An error occurred while performing VSS Automated System Recovery (ASR). Check dsmerror.log for more information. Possible causes for the error are the following:

- You are trying to recover a machine running a legacy operating system such as windows XP or windows 2003. VSS ASR Restore is not supported for legacy operating systems.
- You are trying to run ASR recovery from a backup created by a client earlier than version 6.2.2. Such backups do not have ASRBackupDoc.xml file.

System action: Processing stops.

User response: Ask your system administrator to check the error log.

FMV1447I Current user does not need to back up the default profile.

Explanation: You are currently using the default profile, and there is no need to back it up.

System action: None.

User response: None.

FMV1448E The *command* command is not supported by the current server.

Explanation: The server to which the client is connected does not support the *command*.

1. If the command is "set event," the server does not support event-based policy. This command requires that the server support event-based policy. That support is available only at TSM Server levels 5.2.2 and above.
2. If the message displays any other command, the server is configured to support archive retention protection and cannot process operations not associated with that facility.

System action: The command is skipped and other processing continues.

User response: Log in to an appropriate server and retry the command.

FMV1449W A non-critical, unexpected error was encountered. Deletion of a snapshot(Set/Volume) failed. Probable cause, snapshot does not exists anymore. Continuing Process... TSM snapShot ID : *snapshot-id* TSM function name : *function-name* TSM function : *function-desc* TSM return code : *TSM-rc* TSM file : *file-name* (*line-number*)

Explanation: None.

System action: Processing continues.

User response: Contact the TSM administrator with the information provided in this message.

FMV1450W The -FILENAME option was specified without a file name. Output will be written to *filename*.

Explanation: The -FILENAME option was specified, but the file name was omitted.

System action: The output is written to the default file.

User response: Reissue the command and specify a valid file name, or use the information that was written to the default file.

FMV1453W The IMAGEGAPSIZE option is not supported for non-NTFS file systems. The entire volume will be backed up.

Explanation: None.

System action: The entire volume is backed up.

User response: Refer to the client manual for additional information regarding the IMAGEGAPSIZE option.

FMV1454W Used blocks information could not be obtained for *name*. The entire volume will be backed up.

Explanation: None.

System action: The entire volume is backed up.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1455I Resynching mirrors. Please wait.

Explanation: The destination volume for server-free restore has mirrored layout. The mirrors are being resynched after the data restored.

System action: Processing continues.

User response:

FMV1456I Mirror synchronization completed.

Explanation: Synchronization of the volume's mirrors completed successfully.

System action: Processing continues.

User response:

FMV1457E Mirror synchronization failed.

Explanation: Synchronization of the volume's mirrors failed.

System action: Processing stopped.

User response: Check the error log for more errors. Contact your systems administrator.

FMV1458I OBF file for volume *name* is too small for server-free data transfer.

Explanation: The OBF file for volume is very small to initiate a server-free data transfer. Hence this file will not be transferred via a server-free data path.

System action: Processing continues.

User response: None.

FMV1459E VSS Automated System Recovery (ASR) failed.

Explanation: An error occurred while performing VSS Automated System Recovery (ASR). Check dsmerror.log for more information.

System action: Processing stops.

User response: Ask your system administrator to check the error log.

FMV1460W The file segment size entered is greater than the max size. Please increase the max size or decrease the file segment size.

Explanation: The user has enabled both trace wrapping and trace spanning but has entered a segment size greater than the max size.

System action: Allow the user to re-enter the max size or reduce the segment size.

User response: The user should either increase the max size or reduce the segment size.

FMV1461E Error processing '*filespace namepath-namefile-name*': unsupported encryption type.

Explanation: The files you are trying to restore or retrieve have been backed up or archived by a later version of the TSM client. The file encryption method is not supported by the current client.

System action: Object skipped.

User response: Restore or retrieve the file with the most recent version of the TSM client.

FMV1462E Unsupported encryption type

Explanation: The files you are trying to restore or retrieve have been backed up or archived by a later version of the TSM client. The file encryption method is not supported by the current client.

System action: Object skipped.

User response: Restore or retrieve the file with the most recent version of the TSM client.

FMV1463E Unexpected error in cryptography library.

Explanation: There was an unexpected error in the cryptography library. See the error log for more information.

System action: processing stops.

User response: Check the error log for FMV1467E to determine the cause of failure. Verify you TSM client is installed properly. If needed, reinstall client and/or API. If the problem still exists, contact TSM technical support.

FMV1464S Cannot load ICC encryption library.

Explanation: TSM is using cryptography library which is installed automatically with the client and is being loaded at runtime. The client cannot proceed if the library is not loaded.

System action: Client exits.

User response: Check the error log for FMV1467E to determine the cause of failure. Verify you TSM client is installed properly. If needed, reinstall client and/or API. If the problem still exists, contact TSM technical support.

FMV1465E Conflicting options ERRORLOGMAX and ERRORLOGRETENTION were specified.

Explanation: Values were specified for both the ERRORLOGMAX and the ERRORLOGRETENTION options. These options are mutually exclusive.

System action: Processing stops.

User response: Specify a nonzero value for ERRORLOGMAX if you wish to have the TSM error log wrap when it reaches the specified maximum value. Use ERRORLOGRETENTION if you wish you have the error log limited in size on a time-based schedule.

FMV1466E Conflicting options SCHEDLOGMAX and SCHEDLOGRETENTION were specified.

Explanation: Values were specified for both the SCHEDLOGMAX and the SCHEDLOGRETENTION options. These options are mutually exclusive.

System action: Processing stops.

User response: Specify a nonzero value for SCHEDLOGMAX if you wish to have the TSM scheduler log wrap when it reaches the specified maximum value. Use SCHEDLOGRETENTION if you wish you have the scheduler log limited in size on a time-based schedule.

FMV1467E ICC routine *icc-routine* returned: majRC = *majRC*, minRC = *minRC*, desc = '*desc*'.

Explanation: There was an error within an ICC cryptography library. This message reports return codes and problem description which can be used by TSM technical support personnel to determine the cause of the error.

System action: Client exits.

User response: Verify you TSM client is installed properly. If needed, reinstall client and/or API. If the problem still exists, contact TSM technical support.

FMV1468E Backing up Automated System Recovery (ASR) files failed. No files will be backed up.

Explanation: An error occurred while backing up the files needed for Automated System Recovery (ASR). No files were backed up.

System action: Processing stops.

User response: Ask your system administrator to check the error log. Verify that the Windows account from which you are running this command has administrator authority and try the command again.

FMV1469E Error processing '*filespace namepath-namefile-name*'; invalid encryption key.

Explanation: The key you entered does not match the key that was used to encrypt the file during backup. The file can not be restored unless the matching key is entered.

System action: processing stops.

User response: Try the restore operation again and provide the correct key.

FMV1470E Unable to load GPFS functions needed for ACL and extended attributes support: skip *path_name*

Explanation: The GPFS functions that handle the GPFS ACL and extended attributes were not loaded.

System action: The object is skipped. Processing continues with the next object.

User response: Ensure that the GPFS software is installed on the system and try the operation again. On Linux, iensure that there has been an appropriate symbolic link created in /usr/lib/ directory for the GPFS libgpfs.so shared library.

FMV1471E ASR system information file creation failed. ASR backup is unsuccessful.

Explanation: An error occurred while creating the system information file (asr.sif) needed for Automated System Recovery (ASR). The ASR backup is unsuccessful.

System action: Processing stops.

User response: Ask your system administrator to check the error log. Verify that the Windows account from which you are running this command has administrator authority and that you have access to the system object staging directory <system drive> :\adsm.sys. Try the command again.

FMV1472E Could not add entry to the ASR system information file. ASR backup is unsuccessful.

Explanation: An error occurred while adding an entry to the system information file (asr.sif) needed for Automated System Recovery (ASR). The ASR backup is unsuccessful.

System action: Processing stops.

User response: Ask your system administrator to check the error log. Verify that the Windows account from which you are running this command has administrator authority and try the command again.

FMV1473E Session rejected: TCP/IP connection failure for Shared Memory

Explanation: An attempt to connect to the local server using the Shared Memory protocol has failed during initial TCP/IP communications. This error can occur if the server is not listening on the correct port, or if the server is down.

System action: Session rejected. Processing stopped.

User response: Retry the operation, or wait until the server comes back up and retry the operation. If the problem continues, see your system administrator for further help.

FMV1474E An error occurred using the Shared Memory protocol

Explanation: An error has occurred while reading or writing data through the Shared Memory communications protocol.

System action: TSM cannot complete the requested operation.

User response: Check the trace log for additional information and retry the operation. If the problem continues, see your system administrator for further help.

FMV1475E Insufficient authority to connect to the shared memory region

Explanation: The user issuing the command does not have authority to connect to the shared memory segment. When the shared memory segment is created by the server, it will be owned by the effective uid of the server process (dsmserv). Only processes running under this uid or root will be allowed to connect to the segment (and thus to the server).

System action: The session is rejected and processing stops.

User response: Run the command under the uid of the processing running dsmserv, if possible. Otherwise contact your system administrator for further help.

FMV1476E CLUSTERNODE is set to YES but the Cluster Information Daemon is notstarted.

Explanation: The HACMP™ Cluster Information Daemon must be started in order to specify the CLUSTERNODE option.

System action: Processing ends.

User response: Start the HACMP Cluster Information Dameon.

FMV1477E CLUSTERNODE is set to YES but the cluster load library is not valid.

Explanation: The load library that the operating system provides to obtain the cluster name is not valid. A possible cause is an out-of-date load library which does not contain the proper routines this product expects.

System action: Processing ends.

User response: Ensure that the latest cluster software is installed on the system.

FMV1478E CLUSTERNODE is set to YES but the cluster software is not availableon this system.

Explanation: The load library that the operating systems provides to obtain the cluster name is not available on this system.

System action: Processing ends.

User response: Ensure that the cluster software is installed on the system.

FMV1479E CLUSTERNODE is set to YES but this machine is not a member of acluster.

Explanation: This machine is not a member of a cluster node. Possible causes are that the cluster service has not been configured correctly, or that the cluster is in the process of initialization.

System action: Processing ends.

User response: Ensure that the cluster software is configured properly. If the cluster is in the process of initialization, retry the operation at a later time.

FMV1480E CLUSTERNODE is set to YES but the cluster service is not enabledon this system.

Explanation: The cluster service has not been enabled on this system.

System action: Processing ends.

User response: Enable the cluster service on the system.

FMV1481E The CLUSTERNODE option is not supported on this system.

Explanation: This option is not supported on this system.

System action: Processing ends.

User response: Disable the CLUSTERNODE option in the local options file.

FMV1482E An unexpected error (*retcode*) occurred while the program was trying to obtain the cluster name from the system.

Explanation: An unknown error occurred while the program was trying to obtain the cluster name from the cluster service. The error code is the reason code provided directly from the cluster service being used in this operating system environment.

System action: Processing ends.

User response: Consult the documentation for your clustering software for an explanation of the reason code. Insure that your clustering service is operational, then try the TSM operation again.

FMV1483I Schedule log pruning started.

Explanation: The schedule log pruning function has begun.

System action: The schedule log is pruned.

User response: None.

FMV1484I Schedule log pruning finished successfully.

Explanation: The schedule log pruning function completed with no errors.

System action: None.

User response: None.

FMV1486E An error occurred while restoring the WMI repository. The database will not be updated.

Explanation: The Windows event log and TSM error log might contain additional information related to this error.

System action: processing stops.

User response: Examine the Windows event log and TSM error log for messages related to Windows Management Instrumentation (WMI). Ensure that the WMI is started.

FMV1487E An error occurred while backing up the WMI repository. The database will not be backed up.

Explanation: The Windows event log and TSM error log might contain additional information related to this error.

System action: processing stops.

User response: Examine the Windows event log and

TSM error log for messages related to WMI. Ensure that the Windows Management Instrumentation service is started.

FMV1489E The WMI service failed to stop. No files will be restored.

Explanation: An error occurred while stopping the Windows Management Instrumentation (WMI) service. The database will not be restored.

System action: processing stops.

User response: Examine the Windows event log and TSM error log for messages related to Windows Management Instrumentation (WMI). You might need to quiesce WMI activity or reboot the machine in order to free resources which are preventing the WMI service from stopping.

FMV1490W File specification '*file-spec*' ignored. A file list has already been specified.

Explanation: A non-option argument (file specification) was encountered after the -FILELIST has been processed.

System action: The argument is ignored.

User response: You may have either a -FILELIST or explicit file specifications on this command, but not both.

FMV1491E Only one -FILELIST option allowed.

Explanation: The -FILELIST option may only be specified once per command

System action: The command is not executed.

User response: Enter only one -FILELIST option on the command.

FMV1492S Invalid virtual mountpoint *filespace-name*: File not found.

Explanation: The specified *VIRTUALMOUNTPOINT* in the system options file is invalid because it could not be found in the file system.

System action: TSM attempts to continue the current operation.

User response: Check the virtual mountpoint in the system options file and make sure it exists in the file system. Retry the operation.

FMV1493S Invalid virtual mountpoint *filespace-name*: Access denied.

Explanation: The specified *VIRTUALMOUNTPOINT* in the system options file is invalid because access to it is denied.

System action: TSM attempts to continue the current operation.

User response: Check the VIRTUALMOUNTPOINT in the system options file and make sure it is accessible. Retry the operation.

FMV1494S Invalid virtual mountpoint *filespace-name*: Symbolic link.

Explanation: The specified *VIRTUALMOUNTPOINT* in the system options file is invalid because it is a symbolic link and FOLLOWSYMBOLIC is not set.

System action: TSM attempts to continue the current operation.

User response: Set the option FOLLOWSYMBOLIC to YES in the user options file. Retry the operation.

FMV1495S Invalid virtual mountpoint *filespace-name*: Other error, rc = *return-code*.

Explanation: The specified *VIRTUALMOUNTPOINT* in the system options file is invalid.

System action: TSM attempts to continue the current operation.

User response: Make sure the virtual mountpoint is a directory and accessible from the shell, and retry the operation.

FMV1496W Duplicate include/exclude option '*option file-name*' found while processing the client options file. This might produce unexpected results.

Explanation: TSM found a duplicate statement while processing the client options file, which might produce unexpected results.

System action: Processing continues.

User response: Verify if you obtained the desired results. If not, you need to correct the client options file by removing the duplicate option statement.

FMV1497W Duplicate include/exclude option '*option file-name*' found while processing the client options passed by the server. This might produce unexpected results.

Explanation: TSM found a duplicate statement while processing the client options by the server, which might produce unexpected results.

System action: Processing continues.

User response: Verify if you obtained the desired results. If not, you need to correct either the client options file or the client options passed by the server.

FMV1498E The IIS services failed to stop. No files will be restored.

Explanation: An error occurred while stopping the Internet Information Services (IIS) services. The metabase will not be restored.

System action: processing stops.

User response: Examine the Windows event log and TSM error log for messages related to Internet Information Services (IIS). You might need to quiesce IIS activity or reboot the machine in order to free resources which are preventing the IIS service from stopping.

FMV1499E Creation of table of contents failed.

Explanation: A failure occurred on the server during creation of the table of contents.

System action: The table of contents was not created.

User response: This abort code indicates there was a problem creating a table of contents on the server. The sysadmin will need to consult the activity log on the server to determine the cause.

FMV1500E Module dsmtca not found in secure directory.

Explanation: TSM cannot find the Trusted Communication Agent module (dsmtca) in the appropriate directory.

System action: TSM ends.

User response: Log on as root user, then create a link to dsmtca module in /usr/bin with the command: ln -s /usr/tivoli/tsm/client/ba/bin/dsmtca /usr/bin/dsmtca

FMV1501E Trusted agent execution/owner permissions are invalid

Explanation: The Trusted Communication Agent execution/owner permissions are invalid.

System action: TSM ends.

User response: Have your system administrator check the installation instructions for the client to ensure that the Trusted Communication Agent permissions are set correctly. This error can be caused by installing TSM as a non-root user. For the UNIX platforms that have the installation program (dsm.install), you must run dsm.install while logged in as the root user.

FMV1502E Access to system function required to run has been denied

Explanation: The permissions of the Trusted Communication Agent do not allow it to be accessed by the user of the TSM client.

System action: TSM ends.

User response: See your system administrator.

FMV1503E Valid password not available for server '*server-name*'. The administrator for your system must run TSM and enter the password to store it locally.

Explanation: The file containing the stored password for the specified server *server-name* is unavailable.

System action: TSM ends.

User response: The administrator for your system must set and store a new password.

FMV1504E Error starting the Trusted Communication Agent process.

Explanation: An error has occurred starting the Trusted Communication Agent process; specifically, the fork() function has failed.

System action: TSM ends.

User response: Probable system error. If the problem persists, restart the workstation.

FMV1505W Performing image backup of the entire volume for *volume name*. The IMAGEGAPSIZE option value of *image gap size* is being ignored as this level of the operating system does not support used block image backup. Please upgrade to AIX 5.3 Maintenance Level 7 or later in order to perform used block image backup.

Explanation: AIX 5.3 Maintenance Level 7 or later has some necessary fixes that are required to support used block image backup.

System action: The entire volume is backed up.

User response: Please upgrade to AIX 5.3 Maintenance Level 7 or later in order to perform used block image backup.

FMV1506E The TSM Trusted Communication Agent received an invalid request.

Explanation: The Trusted Communication Agent is invoked by the TSM client and has received an unknown request argument in the call.

System action: TSM ends.

User response: It is possible the Trusted Communication Agent was mistakenly invoked by a process other than the TSM client. If that is not the case, then this is an internal error. If the problem recurs, contact your IBM service representative.

FMV1507E This action requires TSM administrative authority on this system.

Explanation: An activity has been attempted that must be performed by the TSM administrator (for example, open registration, filespace delete or password update).

System action: TSM ends.

User response: If the activity is required, the administrator for this system must perform it.

FMV1508E Error allocating semaphores.

Explanation: An error has occurred because the semaphores you are attempting to allocate have become insufficient.

System action: Processing ends.

User response: Ask your system administrator for assistance, and possibly increase the number of semaphores in your system.

FMV1509E Error setting semaphore value or waiting on semaphore.

Explanation: An error has occurred while attempting to set or wait on a semaphore.

System action: Processing ends.

User response: Probable system error. If the problem persists, restart the workstation.

FMV1510W The specified backupset either does not exist, or does not contain file data.

Explanation: The specified backupset either does not exist, or does not contain file data for the node name specified. The restore backupset command is limited to backupsets that contain file data. To restore an image backup from a backupset, use the restore image command.

System action: Processing stopped.

User response: If an incorrect backupset name was specified, try the command again with the correct backupset name. If you are trying to restore an image from a backupset, refer to the restore image command for the correct syntax.

FMV1511I Invalid Restore session number entered. Try again.

Explanation: You entered a number not shown in the list of restartable restores. The number you entered is either less than one or greater than the highest item number displayed.

System action: TSM waits for you to enter a valid selection.

User response: Enter a number from the list or 'Q' to quit.

FMV1512E Scheduled event '*event*' failed. Return code = *value*.

Explanation: One or more error conditions were encountered that prevented the schedule from completing successfully. This message is preceded by other messages that indicate the specific problems encountered during the operation.

System action: Scheduled event failed.

User response: Check the schedule and error log files for the messages that specify what problems were encountered during the operation. Correct the conditions that caused those messages to be issued. The specific corrective actions will depend on the specific errors encountered.

For more information about return codes, see the "Client return codes" topic in the TSM information center or in the TSM backup-archive client user's guides.

FMV1513E The object '*object_name*' is skipped from rename. *Error_condition*.

Explanation: IBM Tivoli Storage Manager skips the specified object from renaming because the object with the same long name but with different attributes exists on the server.

System action: The backup operation continues. The specified object will expire during the next incremental backup.

User response: The object is skipped if one of the following condition occurs:

- The long name object(LN) has a more recent insert date than the short name object(SN).
- The management classes for LN and SN do not match.
- The copy groups for LN and SN do not match.
- LN and SN have different owners.
- The creation date for LN and SN do not match.
- The short name attribute for LN does not match SN.

If you are unable to determine what is wrong, report the problem to your service representative.

FMV1514W Encryption key passwords are not the same.

Explanation: The key passwords are different.

System action: TSM allows you to try again.

User response: Enter the correct password.

FMV1515E Loading a table of contents failed.

Explanation: A failure occurred on the server during loading of the table of contents.

System action: The table of contents was not loaded.

User response: This abort code indicates there was a problem loading a table of contents on the server. The sysadmin will need to consult the activity log on the server to determine the cause.

FMV1519E Your node does not have permission to delete backup files

Explanation: The server does not allow your node to delete backup files.

System action: TSM did not delete the backup files.

User response: See your system administrator.

FMV1520E Failure writing to the Tivoli Storage Manager error log: errno = *errno-value*,

Explanation: A failure was encountered when writing to the dsmerror log or dsierror log. The system set the error code *errno-value*. It is possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

FMV1521E Failure writing to a Tivoli Storage Manager log or log-related file: *file-name*, **errno =** *errno-value*, *reason*

Explanation: A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

FMV1522E It is not possible to authenticate with the client node *client-node* **! The Space Management Agent version** *agent-version* **running on** *client-node* **does not match with the Space Management Console version** *console-version* **you are running !**

Explanation: The version of the Space Management Console does not match with the version of the Space Management Agent running on the client node machine. To avoid incompatibleness it is necessary to run the console and the agent with the same version.

System action: The Space Management Console exits.

User response: Use Space Management Console with the same version like the Space Management Agent running on the HSM node you want to manage.

FMV1523E An error occurred while connecting to TSA/SMDR service.

Explanation: An error was encountered during a call to the TSA/SMDR service. This message usually follows previous messages that contain more specific information about the problem.

System action: Processing stopped.

User response: Refer to previous messages in dsmerror.log for further information. If those messages are not helpful in identifying the cause of the problem, see your system administrator for further assistance.

FMV1528I TSM is converting the *log-file* **from continuous (pruning) mode to wrapping mode. This process may take several minutes.**

Explanation: The *log-file* was previously in continuous mode where the only size control was through the use of ERRORLOGRETENTION or SCHEDLOGRETENTION option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is specified for this log, so its format must be changed and old data saved.

System action: Transition processing continues.

User response: None.

FMV1529I TSM is converting the *log-file* **from wrapping mode to continuous (pruning) mode. This process may take several minutes.**

Explanation: The *log-file* was previously in wrapping mode where the size control was through the use of the ERRORLOGMAX or SCHEDLOGMAX option. This is the first occasion where ERRORLOGMAX or SCHEDLOGMAX is not specified for this log, so its format must be changed and old data saved.

System action: Transition processing continues.

User response: None.

FMV1530I *count* **log records processed.**

Explanation: This is just a progress report to let you know the process is still ongoing.

System action: Transition processing continues.

User response: None.

FMV1532E Proxy Rejected: Proxy authority has not been granted to this node.

Explanation: The node has not been granted proxy authority to access the node named by the ASNODENAME option. The TSM administrator must first grant proxy authority.

System action: The TSM operation ends.

User response: The TSM server administrator must grant proxy authority for this node. See the administrator command "Grant Proxynode".

FMV1533E Proxy Rejected: The node name you specified in the ASNODENAME option is locked.

Explanation: The TSM administrator has locked the node you specified as the ASNODENAME option.

System action: The TSM operation ends.

User response: The TSM server administrator must unlock the node before you can access it. Try the operation later, or check with your TSM administrator.

FMV1534E Proxy Rejected: The TSM server has run out of memory.

Explanation: There is not enough memory available to allow this operation to continue.

System action: TSM canceled the current operation.

User response: Try the operation again. If the problem continues, see your system administrator to increase the amount of memory of the server.

FMV1535E Proxy Rejected: ASNODENAME and NODENAME are identical.

Explanation: TSM does not allow the ASNODENAME and NODENAME option values to be the same.

System action: TSM canceled the current operation.

User response: Use the ASNODENAME option only to access another node. It is not necessary to set ASNODENAME option to access your own node. Remove ASNODENAME from your option file unless you are actually trying to access a node that you have been granted authority to access with the administrative command "Grant Proxynode".

FMV1536E Proxy Rejected: The server has an internal error.

Explanation: The client cannot proxy to the node named by the ASNODENAME option because of an internal server error.

System action: TSM canceled the current operation.

User response: See your system administrator immediately.

FMV1537E The ASNODENAME option is not valid with the FROMNODE option.

Explanation: None.

System action: Processing stops.

User response: Remove the ASNODENAME option from the options file or do not use the FROMNODE option.

FMV1538E The operation that is being attempted cannot be invoked using the ASNODENAME option.

Explanation: None.

System action: Processing stops.

User response: Remove the ASNODENAME option and retry the operation.

FMV1539E The ASNODENAME option cannot be used with the CLUSTERNODE option.

Explanation: None.

System action: Processing stops.

User response: Remove the ASNODENAME option and retry the operation.

FMV1540E Incremental backups using snapshot difference is not supported on this version of the NetApp file server.

Explanation: Incremental backup using Snapshot difference requires Data ONTAP V7.3 or later. To back up unicode file names, upgrade to Data ONTAP V7.3.3 or later or V8.1 or later.

System action: Processing stops.

User response: Upgrade the file server to a supported level of Data ONTAP, then retry the operation.

FMV1541E Node entered has been federated into a Network Deployment, federated nodes cannot be backed up.

Explanation: Node entered has been federated into a Network Deployment, federated nodes cannot be backed up.

System action: None

User response: Run 'dsmc q was -wastype=local' to see the nodes that may be backed up.

FMV1542E Incorrect WAS backup type entered, no node of that name and type exists.

Explanation: There is no node with the WAS backup type that was entered.

System action: None

User response: Check the wastype that was entered. Run 'dsmc q was -wastype=local' to see the nodes that may be backed up.

FMV1543E Incorrect WAS node entered, no node exists with that name.

Explanation: There is no node with the WAS backup type that was entered.

System action: None

User response: Check the node name that was entered. Run 'dsmc q was -wastype=local' to see the nodes that may be backed up.

FMV1544E An error in WAS processing has occurred.

Explanation: None.

System action: None

User response: Run the following command to see the nodes that can be backed up: dsmc query was -wastype=local Make sure the results are correct for your environment, then try the operation again. If the problem persists, contact TSM technical support for further assistance.

FMV1546W TSM failed to lock the WebSphere configuration repository.

Explanation: None.

System action: The lock of the WebSphere® configuration repository fails.

User response: Ensure that the WebSphere server is running. If the server is already running, ensure that the repository is unlocked. Ensure that you are backing up the correct node. To see a list of available nodes that can be backed up, enter: 'dsmc q was -wastype=local'.

FMV1547W TSM failed to unlock the WebSphere Configuration Repository.

Explanation: None.

System action: The unlock of the WebSphere Configuration Repository fails.

User response: Make sure that the WebSphere server is running. If the repository is locked, then unlock it and try the operation again. Ensure that the correct node is being backed up. To see a list of available nodes that can be backed up, run: 'dsmc q was -wastype=local'.

FMV1548E A supported version of WebSphere is not installed on this machine.

Explanation: A supported version of WebSphere is not installed on this machine. The only version of WebSphere that is supported is 5.0.x.

System action: None

User response: Install WebSphere 5.0 on the machine.

FMV1549E No application server instances were found. Unable to perform backup.

Explanation: The application server is not installed on this machine.

System action: Backup is not performed.

User response: Install the application server.

FMV1550E No network deployment manager instances were found to back up.

Explanation: Deployment manager is not installed on this machine.

System action: Back up is not performed.

User response: Install the network deployment manager.

FMV1551E A TSM authorized user must configure IBM Tivoli Storage Manager before individual users can use it.

Explanation: IBM Tivoli Storage Manager was not started by a TSM authorized user and the 'TSM System Preferences' file could not be located.

System action: IBM Tivoli Storage Manager exits.

User response: The initial setup and configuration of IBM Tivoli Storage Manager must be done by a TSM authorized user. To become a TSM authorized user, system administrators must use the "TSM Backup for Administrators" application. Refer to the *Backup-Archive Client Installation and User's Guide* for a complete discussion of the TSM authorized user.

FMV1552W A user name and a password have not been provided to Data Protection for WebSphere.

Explanation: The dsmc set WASPassword command has not been run to provide the user name and the password for Data Protection for WebSphere. Data Protection for WebSphere needs the user name and password to be able to run when WebSphere security is turned on.

System action: Data Protection for WebSphere cannot run.

User response: Run the dsmc set WASPassword command to set the WebSphere security user name and password.

FMV1553W The user name and password that have been provided to Data Protection for WebSphere are invalid.

Explanation: None.

System action: Data Protection for WebSphere cannot run.

User response: Run the dsmc set WASPassword command to set the WebSphere security user name and password.

FMV1554W The WASOffline option has been ignored.

Explanation: When a WebSphere server is running, Data Protection for WebSphere contacts WebSphere and locks the Configuration Repository. The WASOffline option is only valid when a WebSphere server is not running. If a WebSphere server is running, then WASOffline is ignored.

System action: The WASOffline option is ignored.

User response: Remove the WASOffline option from the options file.

FMV1555E The WebSphere Application Server (WAS) plug-in level must be at 5.2.1 or greater to set the WebSphere user and password.

Explanation: You must have the backup-archive client and the WAS plug-in at a level of 5.2.1 or higher to be able to connect to WebSphere when security is enabled.

System action: WebSphere does not set the user and password.

User response: Upgrade the WAS plug-in to 5.2.1 or greater.

FMV1556E Setting the WAS user and password failed.

Explanation: Password validation for the WAS user and password failed.

System action: WAS password validation fails.

User response: Rerun the set WASPassword command with the correct values for user and password.

FMV1557W The WAS Server was not running, and the password file was saved without validation.

Explanation: If the WAS server is down, then it is not possible to connect to the server and validate the user-entered password. The password has still been saved, but no validation has been performed.

System action: The set WAS password command did not validate the password. The password has still been saved, but no validation has been performed. The password may be incorrect.

User response: There are two options:

- Try a backup. If the backup performs a failover, and there is a incorrect password message in the error log, then the password that was entered is incorrect.
- Start the WAS server and rerun the set password command. Since the server is now up, validation will be performed as normal and the user notified if a good/bad password was entered.

FMV1558W The WebSphere backup is failing over to an offline backup.

Explanation: If there is an error locking the WebSphere configuration repository, then Data Protection for WAS will still get a backup and not lock the repository.

System action: The WebSphere backup fails over to an offline backup.

User response: Check the error log to see the nature of the lock error. The lock operation can fail because:

- The WAS server is not running
- The repository is already locked
- Security is turned on and there is no WAS user/password file
- Security is turned on and the information in the WAS user/password file is bad.

Correct the lock error.

FMV1560W The WebSphere server is not running.

Explanation: The WebSphere server is not running. The WAS server is running for backup operations.

System action: The WebSphere server is not running.

User response: Start the WAS server and run the backup again.

FMV1562E WAS Restore failed during EAR Expansion.

Explanation: EAR Expansion is performed for a WebSphere Application server after the files have been restored.

System action: WAS restore fails.

User response: Run the restore again.

FMV1563W The itsm.was.properties file does not exist.

Explanation: The itsm.was.properties file is used to store the WebSphere security user name and password.

System action: None.

User response: Run the dsmc set waspassword command to create this file.

FMV1565E No WebSphere EARExpander was found. Copy the EARExpander tool from the base WebSphere bin directory to the instance bin directory, then run the restore operation again.

Explanation: The EAR files are expanded for an instance of an Application server and the EARExpander tool does not exist in the instance bin directory.

System action: No WebSphere EARExpander found.

User response: Copy the WAS EARExpander tool from the base install's bin directory to the bin directory of the instance. Then run the WAS restore operation again, after the EARExpander tool has been copied.

FMV1566E The version of WebSphere on the machine does not match the version of WebSphere that was backed up. These versions must match for a WAS restore operation.

Explanation: The version of WebSphere on the machine does not match the version of WebSphere that was backed up. These versions must match for a WAS restore operation.

System action: The WAS restore operation fails.

User response: Install the correct version of WebSphere on the machine before performing the restore operation.

FMV1567I A 5.2.2 or higher client is restoring data backed up from a 5.2.0 client. No version check can be performed before the restore.

Explanation: WebSphere's version information was not stored as part of the backup for 5.2.0. So, a 5.2.2 client cannot ensure that the version of WAS that is being restored is the same version of WAS that is on the machine. A version of WAS that is restored may be incompatible with the version of WAS on the machine and can cause errors in WAS.

System action: No version check is performed.

User response: Make sure that the version of WAS that is being restored is the same as the version of WAS that is installed on the machine.

FMV1568E The CAD attempted to register it's tcpport and tcpip address without using the TCPCADADDRESS option.

Explanation: The CAD sent the port and address information to the server, however, there was a problem registering the information with the server. The problem occurred because no default value for the tcpip address was provided. The server was unable to determine a default value for the tcpip address because the communication method was not tcpip.

System action: The server cannot register the information for the CAD. CAD processing will continue, but some functions of the CAD may not be working properly.

User response: Use TCPCADADDRESS in the client option file to indicate the proper TCP/IP address for this CAD.

FMV1569E The CAD attempted to register it's tcpport and tcpip address but the TCP/IP address resolved to the loopback address and was rejected by the server.

Explanation: The CAD sent the port and address information to the server, however, there was a problem registering the information with the server. The problem occurred because the server detected that the address provided resolved to the loopback address.

System action: The server did not register the information for the CAD. CAD processing will continue, but some functions of the CAD may not be working properly.

User response: Use TCPCADADDRESS in the client option file to indicate the proper TCP/IP address for this CAD. Loopback address is not valid.

FMV1570E Registering this instance of the Cad with the server failed. Cad process continues.

Explanation: The CAD failed to register address information to the server, due to an error. There should be a message immediately preceding this message that would indicate the problem more precisely.

System action: The server did not register the information for the CAD. CAD processing will continue, but some functions of the CAD may not be working properly.

User response: Look at messages immediately preceding this message to help determine what error occurred.

FMV1571E The *time-option* option cannot be used without specifying the *date-option* option

Explanation: If the to/from/pit time options is specified then the corresponding to/from/pit date MUST also be specified.

System action: Processing stopped.

User response: Either remove the to/from/pit time option or add the corresponding to/from/pit date option.

FMV1572E An unexpected error was received from the server query, RC=*re tcode*.

Explanation: An unexpected error was received by the client. This could be caused by network problems or a programming error.

System action: TSM canceled the current operation.

User response: Verify that your communication path is functioning properly and try the operation again. If the problem persists, contact your TSM administrator for further assistance.

FMV1573E FROMDATE and TODATE cannot be used with PITDATE.

Explanation: The PITDATE option specifies different and conflicting date selection criteria from the FROMDATE and TODATE options. Therefore these options cannot be combined.

System action: The restore operation is not performed.

User response: Determine whether you require the functionality of PITDATE **or** FROMDATE and TODATE, then try the operation again. If you want to restore files as of a certain date and time, use PITDATE and PITTIME. If you want to restore files from a given range of dates, use FROMDATE, TODATE, FROMTIME, and TOTIME. Refer to the TSM client manual for your operating system for additional information about these options.

FMV1574E Journal Query Failed.

Explanation: The journal daemon was unable to process the requested journal query.

System action: Journal backup processing is interrupted.

User response: Retry the backup, check the journal daemon errorlog for the cause of the failure. Backup of other file systems in the domain will continue.

FMV1575E Journal Daemon Communications Error.

Explanation: An error occurred communicating with the journal daemon.

System action: Journal backup processing is interrupted.

User response: Retry the backup, check the journal daemon and client errorlogs for the cause of the failure.

FMV1576W Space Management Agent version mismatch. The Space Management Agent (hsmagent) version *agent-version* running on '*client-node*' client node does not match with the Space Management Console (GUI) version *console-version* you are running! To avoid compatibility problems, please use the same version for the Space Management Console and the Space Management Agent. Do you want to proceed?

Explanation: The version of the Space Management Console does not match with the version of the Space Management Agent running on the client node machine. To avoid compatibility problems, please use the same version for the Space Management Console (GUI) and the Space Management Agent (hsmagent).

System action: Prompt the user to exit or continue.

User response: Use Space Management Console (GUI) with the same version like the Space Management Agent (hsmagent) running on the HSM node you want to manage.

FMV1577I The Windows console event handler received a '*event*' console event.

Explanation: A console event was received by one of the IBM Tivoli Storage Manager processes or programs. The following events can be received:

- Ctrl-C - This indicates either the user entered the ctrl-c sequence or that one of the Windows services was stopped.

System action: None.

User response: None.

FMV1578E The specified path '*path*' is not valid for backup or archive.

Explanation: The specified path is a special file system or part of a special file system. Special file systems contain dynamic information generated by the operating system and should not be backed up or archived. Refer to the TSM client manual for a complete list of special file systems for your operating system.

System action: Processing continues if there are other file systems to back up.

User response: Do not specify special file systems for backup or archive.

FMV1579E **GSKit function** *func-name* **failed with** *error-code*: *session*

Explanation: A GSKit function has failed with the specified error code.

System action: Processing stopped

User response: Make sure you have configured the key database for SSL communication as described in the documentation. If the problem persists, contact TSM customer support.

FMV1580W **An Include.Fs statement with performance algorithm set already exists for the drive specified. Do you want to replace the statement?**

Explanation: The user tried to create a duplicate Include.Fs entry on a drive that already has a performance algorithm associated with it. This is applicable to the Preference Editor on the MFC GUI

System action: The user can replace the statement with the new one or they can cancel out of this operation

User response: The user is prompted to replace the statement with the new one or they can say No to cancel out of this operation.

FMV1581W '*object-name*' **was restored as '***temp-name***'. A reboot is required to complete the restore.**

Explanation: This is a system file restored and could not be immediately replaced. The file will be replaced during the next reboot of the operating system. It is important to note that until the reboot occurs, the changes will not be in effect.

System action: TSM restored the file with a temporary name, and instructed the operating system to replace the original file with the restored file during the next boot of the operating system.

User response: Reboot the machine as soon as possible after the TSM restore operation ends.

FMV1583E **The Hardware Utility plug-in module was not found or could not be loaded.**

Explanation: Processing stops.

System action: None.

User response: Run "dsmc show plugins" at the TSM command-line client prompt to see the available plug-ins on the system and verify the path which is being used to load the plug-ins. If the plugin path is available and the Hardware Utility plug-in, libPiHDW.a, is present, ensure that the LIBPATH variable is set to the Hardware product's library path, for example, LIBPTH=/usr/opt/db2_08_01/lib.

FMV1584E **Error loading system library 'libdevmapper.so' required for image operations for LVM2 volumes.**

Explanation: The system library libdevmapper.so required for LVM2 image operations could not be loaded. This error can occur when the library does not exist on the system, or the library is an earlier level than is required. This error also occurs when the library can not be opened by the TSM clienti process.

System action: The image operations for LVM2 volumes are not available.

User response: Check the installed packages and the library versions on the system. If correct versions are installed, check for access related issues. If the system does not have these libraries installed, contact your Linux OS distributer. Also, refer to Technote 1452629: https://www.ibm.com/support/docview.wss?uid=swg21452629

FMV1587W **Unable to read extended attributes for object** *object-full-name* **due to errno:** *errno-value*, **reason:** *errno-explanation*

Explanation: The extended attributes of the object could not be read. The system set the error code errno-value and the reason errno-explanation. If the reason errno-explanation is either "access denied" or "permission denied", the current user does not have permission to read the extended attributes of the object.

System action: The object is skipped. Processing continues with the next object.

User response: The error is expected if the operation tries to read extended attributes of an object that you do not own or do not have access to. If the reason indicates an input/output error, perform the file system consistency check procedure and try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1588W **I/O error reading file attribute:** *attr-name* **for:** *file-name*. **errno =** *errno-value*,

Explanation: The attribute *attr-name* of the file *file-name* could not be retrieved. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to read the file attributes.

System action: Processing continues without backing up the specified file attribute.

User response: Correct the condition causing the physical error.

FMV1589W Unable to write extended attributes for *object-full-name* **due to errno:** *errno-value*, **reason:** *errno-explanation*

Explanation: The extended attributes of the object could not be written. The system set the error code errno-value and the reason errno-explanation. If the reason is either "access denied" or "permission denied", the current user does not have permission to write the extended attributes of the object.

System action: Processing continues without restoring the extended attributes.

User response: The error is expected if the operation tries to write extended attributes to an object that you do not own or do not have access to. If the reason indicates an input/output error, perform the file system consistency check procedure and retry the operation. If the problem persists, contact IBM technical support for further assistance.

FMV1590W I/O error writing file attribute: *attr-name* **for:** *file-name***. errno =** *errno-value***,**

Explanation: The attribute *attr-name* of the file *file-name* could not be set. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to set the file attributes.

System action: Processing continues without restoring the specified file attribute.

User response: Correct the condition causing the physical error.

FMV1592E Failed to initialize SSL protocol.

Explanation: TSM was unable to initialize SSL protocol.

System action: Processing stopped

User response: Check for GSKit related messages in the error log. Make sure you have configured the key database for SSL communication as described in the documentation. If the problem persists, contact TSM customer support.

FMV1593E Cannot open the key database.

Explanation: TSM was unable to open the keyfile that is expected to contain the server certificate for SSL communications.

System action: Processing stopped

User response: Make sure you have configured the key database for SSL communication as described in the documentation. If the problem persists, contact TSM customer support.

FMV1594E The key database password is incorrect or unavailable.

Explanation: The client was unable to open the certificate key database using the stored password, or the stored password could not be read.

System action: Processing stops.

User response: Make sure that you configure the key database for SSL communication as described in the Client Installation and User's Guide. Also make sure that the stash file, dsmcert.sth, is readable by the current user.

FMV1595E Bad server certificate.

Explanation: TSM was unable to open SSL connection to server because of a bad certificate. This error usually occurs when the server certificate cannot be verified by the client.

System action: Processing stopped

User response: Make sure you have configured the key database for SSL communication as described in the documentation. Make sure to import the correct certificate from the TSM server you are trying to connect to.

FMV1596E SSL protocol is not supported.

Explanation: SSL protocol is not supported on this platform.

System action: Processing stopped

User response: Refer to TSM documentation for the list of supported platforms.

FMV1597E The -pick and -deltype=all options are not valid together.

Explanation: -deltype=all is used to delete an entire directory tree. You cannot use -pick to select individual objects from the tree. -pick is valid only with -deltype=active or -deltype=inactive.

System action: Processing stopped.

User response: Try the operation again with a valid combination of options. If you want to delete an entire tree, use -deltype=all, but do not use -pick. If you want to select which backup versions to delete, specify -deltype=active or -deltype=inactive, and use the -pick option. Also use -subdir=yes if you want the file selection to include files in subdirectories of the file specification. See the client manual or command line help for additional information.

FMV1598E -deltype=all is not valid for this file specification.

Explanation: -deltype=all is used to delete an entire directory tree. You must specify a fully wildcard directory when using -deltype=all.

System action: Processing stopped.

User response: Try the operation again with a valid combination of options. If you want to delete all backup versions of an entire directory tree, use -deltype=all and a fully wildcarded file specification. If you want to delete backup versions of partially qualified file names, use -deltype=inactive or -deltype=active. Also use -subdir=yes if you want to delete backup versions in subdirectories of the file specification. See the client manual or command line help for additional information.

FMV1599E Cannot load SSL runtime library.

Explanation: TSM failed to dynamically load SSL runtime library necessary for SSL protocol

System action: Processing stopped

User response: Make sure TSM client is properly installed. Try to reinstall the client software. If the problem persists, contact TSM customer support.

FMV1600E Unable to load the Data Protection for Lotus Domino library.

Explanation: The Datt Protection for Lotus® Domino® library could not be loaded.

System action: Processing ends.

User response: Ensure that Domino plugin is properly configured and check the error log on the client machine for more information.

FMV1601E The Domino plugin operation failed because of an internal error.

Explanation: A Domino plugin internal error has occurred.

System action: Processing ends.

User response: Check the error log on the client machine for more information.

FMV1602E The Domino plugin operation failed because the preferences file was not found.

Explanation: The Data Protection for Lotus Domino preference file could not be found.

System action: Processing ends.

User response: The Data Protection for Lotus for Domino configuration file (default name domdsm.cfg) could not be found. Check the error log on the client machine for more information.

FMV1603E The Domino plugin operation failed because of an internal TCP/IP error.

Explanation: A TCP/IP error has occurred.

System action: Processing ends.

User response: Check the error log on the client machine for more information.

FMV1604E The Domino plugin operation failed trying to start the dsmdomp address space.

Explanation: The dsmdomp address space could not be started. This is probably an installation error.

System action: Processing ends.

User response: Ensure that the lotus/bin directory has a symbolic link to the tools directory for dsmdomp and the lotus/notes directory has a symbolic link to the dsmdomp executable. If the problem persists, contact your System Administrator for further assistance.

FMV1605E The Domino plugin operation failed while initializing communications with the dsmdomp address space.

Explanation: The Domino plugin communication initialization failed.

System action: Processing ends.

User response: The dsmdomp address space failed during its initialization. This is likely to be an installation error. Ensure that the lotus/bin directory has a symbolic link to the tools directory for dsmdomp and the lotus/notes directory has a symbolic link to the dsmdomp executable. If the problem persists, contact your System Administrator for further assistance.

FMV1606E The Domino plugin operation failed while starting up the dsmdomp address space.

Explanation: The dsmdomp address space could not be started.

System action: The TDP for Domino processing stops.

User response: The dsmdomp address space failed during its initialization. This is likely to be an installation error. Ensure that the lotus/bin directory has a symbolic link to the tools directory for dsmdomp and the lotus/notes directory has a symbolic link to the dsmdomp executable. Examine the file /tmp/dsmdomp* for more information. If the problem persists, contact your System Administrator for further assistance.

FMV1607E A plugin found in the plugins library is not supported by the current level of the TSM client.

Explanation: The plugin is not loaded, and processing continues.

System action: The plugin is not loaded, and processing continues.

User response: This probably is an installation error. Ensure that the plugins directory contains valid plugin libraries, and that the correct level of the TSM client has been installed. If the problem persists, contact your System Administrator for further assistance.

FMV1608E Domino plugin operation failed with the following message: *messsage*

Explanation: A Domino plugin operation error occurred.

System action: Processing ends.

User response: Correct the error that caused the operation to fail.

FMV1609E Domino plugin process failed. The following messages are associated with the error. *messsage***.**

Explanation: A Domino plugin operation error occurred.

System action: Processing ends.

User response: Correct the error that caused the operation to fail.

FMV1610E The domnode option has not been properly specified for the node '*node_name***'.**

Explanation: The domnode option has not been properly specified in the dsm.sys file for the node shown.

System action: Processing for this request stops.

User response: This is likely to be an installation error. Ensure that the domnode option has been properly specified for the node in question. If the problem persists, contact your System Administrator for further assistance.

FMV1611E A plugin operation failed because of an internal error.

Explanation: A plugin internal error has occurred.

System action: The plugin operation stops.

User response: If the error persists, run with tracing enabled and contact your System Administrator and IBM for further assistance.

FMV1612E The Domino plugin operation failed because of a TSM API error.

Explanation: An TSM API error occurred .

System action: Processing ends.

User response: Check error log on the client machine for more information.

FMV1613E >Could not load the TSM API.

Explanation: The TSM API could not be loaded.

System action: Processing ends.

User response: Check error log on the client machine for more information.

FMV1614E The Domino plugin 'Try and Buy' license has expired.

Explanation: The 'Try and Buy' license that was detected has expired.

System action: Processing ends.

User response: This product is no longer valid for use. A valid license must be obtained before running the product.

FMV1615E The Domino plugin operation failed due to a license error.

Explanation: Domino plugin license verification failed.

System action: Processing ends.

User response: Check the error log for further information.

FMV1616E The Domino plugin operation failed because the Lotus Domino API could not be loaded.

Explanation: The Lotus Domino API could not be loaded.

System action: Processing ends.

User response: Ensure the Lotus Domino Server is installed correctly.

FMV1617E The Domino plugin operation failed because of a Data Protection for Domino API error.

Explanation: A Data Protection for Domino API error occurred during a Domino plugin operation.

System action: Processing ends.

User response: For more details, view the following Tivoli Storage Manager error logs.

The API error log (dsierror.log) and the log of Data Protection for Domino activity (domdsm.log). The

default location of these logs is the Data Protection for Domino installation directory.

The backup-archive client error log (dsmerror.log), the web client error log (dsmwebcl.log), and the log of scheduler activite (dsmsched.log). The default location of these logs is the backup-archive installation directory.

FMV1618E **A Domino plugin operation is already in progress. Please wait for operation to complete.**

Explanation: A Domino plugin operation is in progress.

System action: The Domino plugin operation stops.

User response: Please wait for the Domino plugin operation to complete before starting a new Domino plugin operation.

FMV1619E **The IBM Tivoli Storage Manager application client cannot work with the version of the Domino plugin you have installed.**

Explanation: The version of the Domino plugin currently installed on the system is older than the version used to build the IBM Tivoli Storage Manager application client.

System action: Processing ends.

User response: Install a version of the Domino plugin at or later than the level of the IBM Tivoli Storage Manager application client.

FMV1620I **Backup version for '***filespace namepath-namefile-name***', object id - '***object-id***':'***object-id***' is not consistent with local repository. Its being deleted.**

Explanation: The specified backup instance of the named object is not valid with local repository contents. This could happen if local repository is modified or got corrupted on the client system. This backup can not be restored, therefore it will be deleted on the server.

System action: The specified backup object will be deleted on the server. Processing will continue.

User response: None.

FMV1621E **Failed to update backup attributes on server for local backup for '***filespace namepath-namefile-name***', object id - '***object-id***':'***object-id***' return code '***return code***'.**

Explanation: TSM failed to update attributes for the named backup object on the server. The server may not reflect correct state of the backup.

System action: Processing continues.

User response: Check preceding error messages in error log for more information. Retry the operation. If problem continues, contact your TSM administrator.

FMV1622I **Number of backup objects cleaned up on server: '***number***' number of local snapshot resources made available :'***number***'.**

Explanation: While performing consistency check for server's database and the local repository maintained on the client system, reported inconsistencies were found. Inconsistent backups cannot be restored, therefore TSM deletes all inconsistent backup objects and frees the space occupied in the local repository.

System action: Processing continues.

User response: Check error log for further details on which objects on server were deleted. If numbers look unusually high check your configuration and if it continues, contact your TSM administrator.

FMV1623W **Backup of NSF DB2 database was skipped. NSF DB2 databases not supported.**

Explanation: This version of DP for Domino plugin does not support NSF DB2 databases.

System action: Backup of NSF DB2 databases is skipped.

User response: Exclude NSF DB2 databases from backup.

FMV1624E **'***value***' is an invalid value for option '***option***' for '***command***' command**

Explanation: The specified option value is not valid in this context.

System action: The operation was stopped

User response: Specify a valid value for the option. Consult documentation for valid values.

FMV1625I **Number of volumes to be FlashCopied:** *v1*

Explanation: Number of volumes to be flashcopied.

System action: None.

User response: None.

FMV1626E **An unexpected error was encountered when processing a TSM operation using a hardware or snapshot function. TSM function name :** *function-name* **TSM function :** *function-desc* **TSM return code :** *TSM-rc* **TSM file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV1627E SVC virtual disk *v1* is not valid.

Explanation: The specified virtual disk is not found in the list of virtual disks provided by the connected SVC cluster.

System action: Process stops.

User response: Ensure that this virtual disk exists in the SVC.

FMV1628E The source *v1* and target *v2* virtual disks are in different SVC clusters.

Explanation: The SVC source and target virtual disks have to be assigned to the same SVC cluster.

System action: Process stops.

User response: Ensure that the source and target virtual disks are in the same SVC.

FMV1629E The source *v1* and target *v2* virtual disks are of different size.

Explanation: The SVC source and target virtual disks have to be of the same size.

System action: Process stops.

User response: Ensure that the source and target virtual disks are the same size.

FMV1630E An error was returned calling an operation of the Common Interface Model(CIM). TSM function name : *function-name* **TSM function :** *function-desc* **TSM CIM return code: 0x***CIM-rc* **TSM file :** *file-name* **(***line-number***)**

Explanation: An error occurred when calling a CIM operation of the disk subsystem.

System action: Processing stops.

User response: Please see the section about the CIM return codes and their descriptions in the product publication.

FMV1631E A memory allocation error has occurred in file *filename*, line number *linenumber*.

Explanation: Enough memory was not available to continue processing.

System action: Processing ends.

User response: Ensure that your system has sufficient real and virtual memory. Close unnecessary applications.

FMV1632I '*option name*' not specified, defaults to '*deafult value*'

Explanation: A value for the option is not spedified, default value wil be used.

System action: The operation continues using default value for the option

User response: To override the default, specify a valid value for the option. Consult documentation for valid values.

FMV1647E '*input spec*': Invalid input specification format.

Explanation: The specified input for this commmand is invalid.

System action: The operation stops.

User response: Verify that the syntax specified with the parameter is correct.

FMV1649E The option '*specified-option*' is inconsistent with the option '*other-option*'.

Explanation: The command failed because the specified option (*specified-option*) can not be specified in combination with the option (*other-option*), which is also specified.

System action: The command is terminated.

User response: Run the command without the specified option. Alternatively, run the command without the other option.

FMV1650I Command: *command-string*

Explanation: The command string listed in the messagewas issued by the TSM Backup-Archive client.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1651I Backed Up: *fshlll*

Explanation: The backup operation for the object was successful.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1652I **Archived:** *fshlll*

Explanation: The archive operation for the object was successful.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1653I **Updated:** *fshlll*

Explanation: The update operation for the object was successful.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1654E **Failed:** *fshlll*

Explanation: The backup, archive, restore or retrieve operation for the object failed.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only. For information about the failure refer to the TSM Backup-Archive Client error log.

FMV1655I **Restored:** *fshlll*

Explanation: The restore operation for the object was successful.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1656I **Retrieved:** *fshlll*

Explanation: The retrieve operation for the object was successful.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1657I **Expired:** *fshlll*

Explanation: The active version of the object was expired in the TSM database.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1658I **Deleted:** *fshlll*

Explanation: The object was deleted from the TSM database.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1659I **Skipped:** *fshlll*

Explanation: The object was skipped by the user during backup or archive processing.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1660I **Excluded:** *fshlll*

Explanation: The object was excluded from backup or archive processing.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1661I **Unchanged:** *fshlll*

Explanation: The object has not changed since the last incremental backup was performed and does not need to be resent.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV1662I **Agent Node: '***agent_node***' Target Node: '***target_node***'**

Explanation: Proxy nodes information.

System action: None

User response: None

FMV1663W **The option fractional reserve on volume** *vol_name* **was reduced to less than 100 percent.**

Explanation: Network Appliance strongly recommends that when the fractional reserve is set to less than 100 percent you actively monitor space consumption and the rate of change of data in the volume to ensure you do not run out of space reserved for overwrites. In that case, if you run out of overwrite reserve space, writes to the active file system fail and

the host application or operating system might crash.

System action: Process continues.

User response: Ensure that you monitor the space consumption. Consult Network Appliance for tools to monitor available space in your volumes.

FMV1664E **The snap restore for volume** *volname* **with snapshot name** *snapname* **would destroy later snapshots that are required for other applications or for volume clones.**

Explanation: ONTAP will delete newer snapshots of a volume when a specific snapshot is used for snap restore.

System action: Process stops.

User response: Prior to a snap restore, ensure that newer snapshots are not used in other applications or in volume clones.

FMV1665W **TSM for ACS did not find any snapshots for volume** *volname* **on the N series filer.**

Explanation: No snapshots were found for this volume on the N series filer.

System action: Process continues.

User response: None.

FMV1666W **TSM for ACS did not find any information about the N series volume** *volname***.**

Explanation: The query for information about this volume did not return any data.

System action: Process continues.

User response: None.

FMV1667E **The snapshot name** *snapname* **for volume** *volname* **was not found in the snapshot list on the N series filer.**

Explanation: Snapshot identified by this name does not exist.

System action: Process stops.

User response: None.

FMV1668E **The '***drive-name1***' is not a local disk.**

Explanation: The specified file system is network disk or network share. Because the CLUSTERNODE option is set to YES, the file system cannot be backed up or archived.

System action: Processing stops.

User response: If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the TSM client to run in a cluster environment.

FMV1669W **The** *command subcommand* **command can only be run in Windows WinPE mode.**

Explanation: The *command subcommand* command is not supported on a currently running operating system. You must reboot to Windows WinPE mode to run this command.

System action: The command is not processed.

User response: None.

FMV1670E **The file specification is not valid. Specify a valid Network Appliance or N-Series NFS (AIX, Linux) or CIFS (Windows) volume.**

Explanation: The file specification is not valid. Incremental backup using snapshot difference using the -SNAPDIFF option can only be performed on Network Appliance or N-Series NFS volumes on AIX and Linux, and on CIFS volumes on Windows. Do not specify either Network Appliance or N-Series Qtrees or a path within the Network Appliance or N-Series volume. Only full volumes are supported.

System action: Processing stops.

User response: Retry the incremental backup operation using the -SNAPDIFF option. Specify a valid Network Appliance or N-Series NFS volume on AIX or Linux, or a CIFS volume on Windows.

FMV1671I **The cluster database has been restored. Restarting the cluster services on all nodes. This will take a few minutes.**

Explanation: After the cluster database is restored, the cluster service on the restoring node is in a paused state. The cluster service on other nodes were shutdown. All services need to be restarted. If some of the services cannot be started automatically, restart them manually.

System action: Processing continues.

User response: No action.

FMV1672I **Could not take the cluster resource** *resource name* **offline. MS rc** *retcode***. Error is ignored.**

Explanation: Microsoft recommends taking the cluster resources offline during an authoritative cluster database restore. However, the restore can still be done if the resources cannot be taken offline. The error is ignored.

System action: Processing continues.

User response: No action.

FMV1673W **Cluster service on node *node name* could not be started. You must manually start the service.**

Explanation: The cluster database has been restored. During the restore, the cluster service was taken offline. Tivoli Storage Manager failed to restart the cluster service.

System action: Processing continues.

User response: You can manually start the service for this node.

FMV1674I **The cluster database has been restored but the cluster service on some nodes could not be started. Use the Failover Cluster Management tool to manually start the nodes.**

Explanation: The cluster database has been restored. During the restore, the cluster services were taken offline except for the node being restored. Tivoli Storage Manager failed to automatically start these cluster services. You need to start them manually. The nodes whose services failed to start are logged in the client error log.

System action: Processing continues.

User response: You can manually start the cluster services.

FMV1675W **Unable to obtain a list of cluster nodes to restart after the cluster database is restored. The call '*cmd*' returned with MS rc *retcode*. You must restart the cluster service on all the nodes after the restore is finished.**

Explanation: Due to an error, Tivoli Storage Manager could not retrieve a list of nodes in the cluster to restart. The cluster services on these nodes need to be started manually. The client error log might contain additional information depending on where the failure occured.

System action: Processing continues.

User response: Manually start the cluster services on all nodes.

FMV1676W **You are doing an authoritative cluster database restore. The process may seem to be hang before and after the file is restored. This is because it may need to start the cluster service if it is not up and take all the resources offline. After the cluster database is restored, the cluster service will be restarted for changes to be in effect. The cluster service on all other nodes also have been shutdown. They will be restarted. This may take a few minutes.**

Explanation: The restore will seem to be paused at time because before the restore, Tivoli Storage Manager ensures the cluster service is up on the restoring node and all the resources are taken offline. After the cluster database is restored, the cluster service on the restoring node is in a paused state. The cluster service on other nodes were shutdown. All services need to be retarted. If some of the services cannot be started automatically, you can try to restart them.

System action: Processing continues.

User response: No action.

FMV1677W **Tivoli Storage Manager failed to set the disks for quick formatting because of an error. See the error log for more details. The disks will be slow formatted which will cause a slower restore process.**

Explanation: By default, Tivoli Storage Manager tries to set the QuickFormat value of the HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\ASR\RestoreSession key to perform quick formatted on all the disks. Due to an error, a slow format will be performed on the re-creation of the disks. This process will cause a slower restore process.

System action: None

User response: None

FMV1678E **ASR path '*path*': not found.**

Explanation: You have specified a directory that does not exist.

System action: Processing stops.

User response: Recheck all spelling and punctuation, particularly the placement of directory delimiters (for example, "\"). Correct the syntax if it is incorrect, then retry the operation.

FMV1679W **Updating the registry to identify which volumes have been restored has failed. This does not affect the volumes that have already been restored. See the error log for more details. The error is**

being ignored and processing continues.

Explanation: After restoring the critical volumes, Tivoli Storage Manager tries to update the RestoredVolumes value of the HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\ASR\RestoreSession key to indicate which volumes have been restored. Due to an error accessing the registry, the error is logged but processing continues.

System action: Processing continues.

User response: None

FMV1680W Function refresh incremental FlashCopy cannot be accomplish because no consistency group found for these volumes.

Explanation: A refresh of the incremental FlashCopy can only be done when the consistency group and the correspondent FlashCopy relation were established previously.

System action: None.

User response: None.

FMV1681E DSM_DIR was not set and the ASRFILESPATH option was not specified.

Explanation: The ASR files can be in put in the DSM_DIR path by default or overriden with the ASRFILESPATH option. Either one is being set.

System action: Processing stops.

User response: Set the DSM_DIR environment variable or specify the ASRFILESPATH option on the "RESTORE MACHINEASR" command.

FMV1682W No FlashCopy relationships found in the storage system.

Explanation: The copy services server (mostly a CIM Object Manager) does not have any FlashCopy relation objects.

System action: Process may stop.

User response: This is not necessarily a message that implies the stop of the process.

FMV1683E The state *status* of the consistency group is bad to achive a valid disk backup.

Explanation: TSM ACS function monitoring will expect that the FlashCopy are in one of the state Idle_Copied or Copying.

System action: Process will stop.

User response: Verify using the storage GUI the state of the FlashCopy. If this state was generated by an user action, try to start the copy process through the storage GUI, then re-start the TSM ACS moniotoring fuction.

FMV1684W Disk Full Error Accessing Subfile Cache: *exception-name*

Explanation: A disk full error occurred attempting to access or write to the specified subfile cache file during a subfile incremental backup. See the client error log for more detailed information.

System action: Processing continues without subfile.

User response: None.

FMV1685E Incremental backup operation using snapshot difference is only available for N series/NetApp filer volumes, is not a NetApp volume.

Explanation: Cannot perform NAS NFS/CIFS incremental backup operation using snapshot difference on the mounted or mapped volume because the volume is not a N series/NetApp filer volume.

System action: Processing stops.

User response: Retry the incremental backup operation by specifying an entire NAS NFS or CIFS volume.

FMV1686I Single Instance Store link '*file-name*' will be restored or retrieved as a normal file.

Explanation: TSM restores Single Instance Store (SIS) links as normal files. If the restored version is a duplicate of of the copy in the SIS Common Store, then the SIS Groveler will eventually recreate the SIS link.

System action: TSM creates normal files instead of the reparse point.

User response: None

FMV1687E VSS Instant Restore operation failed. Please examine the TSM client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file (if applicable) for more details. Consult the VSS provider documentation for the meaning of the error return code.

Explanation: VSS hardware provider failed while performing volume-level copy restore operation.

System action: Processing stopped.

User response: Attempt to determine the source of the error by examining the Application Client log file, the TSM client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable.

Additional instructions for Windows VSS operations are located in the TSM Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

FMV1688I **Sparse attributes for '*file-name*' cannot be backed up correctly because the volume from which the file is backed up does not support sparse files.**

Explanation: If the volume from which a file is backed up does not support sparse files, then the allocated ranges for the sparse file cannot be backed up. This is true even if a file has its sparse attribute set. One example where this can occur is if a sparse file is created on a NAS volume, but the volume is backed up over CIFS, where CIFS does not support sparse files.

System action: The sparse attribute and allocated ranges for the file are not backed up. If the file is restored, the restored file will not be sparse.

User response: No action is required if you do not need the sparse attribute and allocated ranges backed up. If you require backup of the file's sparse attribute and allocated ranges, then the volume from which IBM Tivoli Storage Manager backs up the file must support sparse files.

FMV1689E **The registry was not updated after VSS ASR restore.**

Explanation: An error occurred while updating the registry after VSS Automated System Recovery (ASR). Check dsmerror.log for more information.

System action: Processing stops.

User response: Ask your system administrator to check the error log.

FMV1690E **The list of volumes passed contain pairs which belong to different consistency groups in the scope of one single cluster.**

Explanation: TSM ACS handles for each operation only one consistency group per cluster at the same time. If the set of volumes in a backup or restore operation contain pairs that belong to different consistency group inside one single cluster, then the process of the operation will be stopped.

System action: Process stopped.

User response: If you added volumes to the production database or to the target set, ensure that they are not in any FlashCopy relation.

FMV1691I **The option '*option*' that was found in the options file '*file-name*' at the line number: *number* is not supported and will be ignored by the client.**

Explanation: The specified option is valid but not supported on the current platform and will be ignored by the client.

System action: Processing continues.

User response: You can ignore the message or remove the option from the option file.

FMV1692E **The certificate is not trusted.**

Explanation: The client was unable to open SSL connection to the server because the server certificate was not trusted.

System action: Processing stopped

User response: Make sure that you have configured the key database for SSL communication as described in the documentation. If the TSM server is using a self-signed certificate, make sure that you import the correct certificate from the server you are trying to connect to. When the server is using a certificate signed by an authority, make sure that the root certificate of the authority is imported into the client key database.

FMV1693E **The certificate validity period is incorrect.**

Explanation: The client was unable to open an SSL connection to the server because the certificate validity period is incorrect.

System action: Processing stopped

User response: Report this to the TSM server administrator. The server must have the correct certificate installed.

FMV1694E **The certificate identity could not be verified.**

Explanation: TSM was unable to open an SSL connection to the server because the certificate identity could not be verified. This happens when the certificate ownership information does not match the TSM domain name or IP address.

System action: Processing stopped

User response: Make sure that the server domain name or the IP address (the value of the TCPSERVERADDRESS option) is correct. If the problem persists, report it to your TSM server administrator.

FMV1695E The certificate is not valid.

Explanation: TSM was unable to open an SSL connection to the server because of an invalid certificate. The client was unable to determine the exact cause of the failure.

System action: Processing stopped

User response: Further analysis of the server certificate, the client key database, or both, is needed. Refer to TSM documentation for more information.

FMV1696E Only root can perform this action.

Explanation: User must be root to perform this action.

System action: Processing stopped.

User response: Log in as root and try the operation again.

FMV1700W Database '*database*' (save date=*date*) was successfully recovered.

Explanation: The specified database (which was saved on the specified date) was successfuly recovered.

System action: The specified database was recovered with the last saved version.

User response: none.

FMV1704W Option '*option-name*' can not be supplied by application and is ignored.

Explanation: An API application supplied option. The option cannot be specified by an application. The option can be specified only in the dsm.sys options file.

System action: The supplied option is ignored. Processing continues.

User response: Correct the application configuration.

FMV1705E System Writers *writersname* do not exist.

Explanation: These writers are an essential part of the operating system. When they are not available the backup will complete successfully but the data for those writers will not get backed up to the IBM Tivoli Storage Manager server. This can result in the computer not booting after a restore of the system state.

System action: System state backup stopped.

User response: Verify that these writers exist using 'vssadmin list writers' command. Try the operation again. If the problem persists, contact your system administrator or IBM Tivoli Storage Manager administrator for further help.

FMV1706E Error creating directory ' *directory*'.

Explanation: The system was unable to create the specified directory.

System action: Processing terminates.

User response: Verify that the system has the appropriate permissions to create this directory, and then restart the operation.

FMV1707E Hard link '*new-file-name*' could not be created for existing file '*exist-file-name*'. Microsoft Windows return code: '*windows-return-code*' '*windows-error-text*'

Explanation: Some system state files are hard links that point to another file. During system state restore, IBM Tivoli Storage Manager recreates the hard links for restored system state files. If a file with the same name as the hard link already exists at the time of the restore, IBM Tivoli Storage Manager attempts to replace the file with the hard link. This message is issued when IBM Tivoli Storage Manager is unable to replace an existing file with a hard link. The message includes the hard link name, the system state file name to which the hard link points and the Microsoft Windows return code information. The return code information indicates why the file could not be replaced. It is possible for the operating system or applications to behave erratically if the hard link cannot be recreated.

System action: The hard link is skipped, system state restore continues.

User response: Use the Microsoft Windows return code information provided in the message to determine the underlying cause of the error. Based on the underlying cause of the error and the reason you are restoring the system state, you can choose to either correct the underlying cause and perform the restore again, or you can attempt to manually create the hard link. Because this error message represents an unusual and unexpected condition, you should give careful consideration to the potential consequences of either choice. The hard link can be created manually as follows: Rename the file that has the same name as the hard link. Then use the Microsoft Windows utility fsutil.exe as follows: FSUTIL HARDLINK CREATE hardlinkname originalfilename

FMV1708E Backup operation failed. Only a root user can do this operation.

Explanation: Backups initiated by non-root users are disabled by IBM Tivoli Storage Manager administrator.

System action: The operation stops.

User response: Request the IBM Tivoli Storage Manager administrator to enable non-root backups.

FMV1709W An ISO backed CDrom devices will not be backup with the Virtual Machine.

Explanation: The Virtual Machine create on restore would fail if the ISO CDrom images was not available or on-line.

System action: The Virtual Machine backup will continue minus the CDrom device.

User response: Once the Virtual Machine is created you may add a CDrom device to it.

FMV1710W Image backed floppy devices will not be backup with the Virtual Machine.

Explanation: The Virtual Machine create on restore would fail if the floppy images was not available.

System action: The Virtual Machine backup will continue minus the floppy device.

User response: Once the Virtual Machine is created you may add a Floppy device to it.

FMV1711W Incremental backup selected for '*VM name***', but a Full backup has not yet been performed. Performing a Full backup instead.**

Explanation: An incremental backup of the specified virtual machine was selected, but no full backup of that virtual machine exists; A full backup must exist before an incremental backup can be performed.

System action: A full backup of the virtual machine is performed instead of an incremental backup.

User response: None

FMV1712I Changed block tracking not supported for disk *disk name***; Performing FULL backup of disk.**

Explanation: Changed block tracking is not enabled or supported for the specified disk, so a full backup of the disk will be performed.

System action: A full backup of the disk is performed.

User response: None

FMV1713W There was a problem getting changed block tracking information for disk *disk name***; Performing FULL backup of disk.**

Explanation: Changed block tracking is supported for the specified disk, but there was a problem getting the changed block tracking information, so a full backup of the disk will be performed.

System action: A full backup of the disk is performed.

User response: Review the error log for messages as to why the changed block tracking information could not be obtained.

FMV1714I No changed extents found for disk *disk name* **- skipping disk.**

Explanation: No changed extents were found for the specified disk, so there is nothing to backup; The disk will be skipped.

System action: No data is backed up for the specified disk so no data has changed.

User response: None.

FMV1715E A filespace already exists for VM (*VM name***), but with a different VM uuid (***VM Uuid***) than the current one (***VM Uuid***).**

Explanation: No changed extents were found for the specified disk, so there is nothing to backup; The disk will be skipped.

System action: No data is backed up for the specified disk so no data has changed.

User response: None.

FMV1716E A VMware vStorage web service task timed-out.

Explanation: The TSM client timed-out waiting for VMware vCenter or ESX host to complete a requested web service task. Resources could be low or the system could be busy.

System action: Processing stopped

User response: Please check the VMware vCenter or ESX host for errors.

FMV1717E A VMware vStorage web service task failed.

Explanation: A VMware vCenter or ESX host web service task failed.

System action: Processing stopped

User response: Please check the VMware vCenter or ESX host for errors.

FMV1718E VMware vStorage create snapshot failed.

Explanation: VMware vStorage failed to create the requested snapshot.

System action: Processing stopped

User response: Please check the TSM error logs and VMware vCenter or ESX host for errors.

FMV1719E VMware vStorage remove snapshot failed.

Explanation: VMware vStorage failed to remove the requested snapshot.

System action: Processing stopped

User response: Please check the TSM error logs and VMware vCenter or ESX host for errors.

FMV1729E The passed file list '*file-list*' is not a valid input file list. Pass standard file list or collection file list to the dsmrecall command.

Explanation: User has passed a invalid file list type to the dsmrecall command

System action: Processing stopped

User response: pass standard file list or collection file list to dsmrecall command.

FMV1730E The IBM Tivoli Storage Manager server query for ordering information failed.

Explanation: Tape optimized recall was not able to retrieve ordering information from the IBM Tivoli Storage Manager server.

System action: Processing stopped

User response: Check the connection to the IBM Tivoli Storage Manager server to see if the IBM Tivoli Storage Manager server is available and you have the correct access rights configured.

FMV1731E Tape optimized recall for file list '*file-list*' failed with rc = *code*.

Explanation: Tape optimized recall was not able to retrieve ordering information from the IBM Tivoli Storage Manager server.

System action: Processing stops.

User response: Check all error messages above this message to get details about the problem.

FMV1732W File '*file*' is from a different file system. writing file to list of unprocessed files: '*file-list*'.

Explanation: The dsmrecall command specifies a file system to process. Files from other file systems are skipped and written into a unprocessed list.

System action: File is skipped and information is written to a list of unprocessed files

User response: Check that all files in the input file list are from the correct file system.

FMV1733I A collection file was specified '*file-list*' The ordering process is skipped.

Explanation: A collection file was passed as the input file list. Ordering is not necessary since it the file is already ordered. Only the recall is started.

System action: The ordering processed is not started, only recall started.

User response: No further action needed.

FMV1734W The virtual machine '*VM-name*' contains one or more independent disks. Backups are not supported in this configuration. Specify the '-vmprocessvmwithindependent=yes' option to exclude these disks from the backup.

Explanation: Independent disks are not affected by snapshots so the IBM Tivoli Storage Manager client does not support backing them up.

System action: The virtual machine is not backed up.

User response: Power® off the virtual machine and change the disk independent mode or remove them from the virtual machine. Or specify the '-vmprocessvmwithindependent=yes' option to exclude these disks from the backup.

FMV1735W The virtual machine '*VM-name*' contains one or more physical Raw Device Mappings (RDMs). Backups are not supported in this configuration. Specify the '-vmprocessvmwithprdm=yes' option to exclude these disks from the backup.

Explanation: Physical RDMs are not included in snapshots so the TSM client does not support backing them up.

System action: The virtual machine is not backed up.

User response: Power off the virtual machine and change the RDMs to virtual mode or remove them from the virtual machine. Or specify the '-vmprocessvmwithprdm=yes' option to exclude these disks from the backup.

FMV1736I Change block tracking is not supported for virtual machine *VM*.

Explanation: RDM disks in physical mode, virtual disks attached to shared virtual SCSI bus, and VMs with hardware version 6 or earlier are not supported.

System action: The full disk is not backed up.

User response: None.

FMV1737E The PRESNAPSHOTCMD command failed.

Explanation: The command specified by the PRESNAPSHOTCMD option must complete successfully in order to perform the VSS snapshot backup. If the command completed with a return code of 0 (zero), it is considered to have completed successfully. If the command completed with any other return code, it is considered to have failed. If the command failed then the VSS snapshot backup is not performed.

System action: The client does not perform the VSS snapshot backup operation.

User response: Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, consider wrapping the command in a script that always exits with a return code of zero.

FMV1738W The POSTSNAPSHOTCMD command failed.

Explanation: If the command specified by the POSTSNAPSHOTCMD option completed with a non-zero return code, the VSS snapshot backup operation continues. The operation continues with a warning-level result. The result of the POSTSNAPSHOTCMD command does not supersede a higher result from the VSS snapshot backup command. For example, if the VSS snapshot backup command completed with code 12, a lower return code from the POSTSNAPSHOTCMD command does not alter the return code.

System action: The VSS snapshot backup continues, but with a warning return code of at least 8.

User response: Identify and repair the problem that caused the command to fail. Consider wrapping the command in a script that always exits with a return code of zero.

FMV1739E Restore of a system drive is not permitted.

Explanation: The drive to which you are restoring contains the operating system.

System action: Processing stops.

User response: Try the operation again without specifying a system drive.

FMV1740W Unable to read ACLs for object: *file_system path name*. Check dsmerror.log for more information.

Explanation: The ACLs of the object are not read.

System action: The object is skipped. Processing continues with the next object.

User response: Examine the client error log for additional messages that might indicate the reason for the problem. Try to follow the suggested corrective actions (if any) and try the operation again.

FMV1741W Unable to read extended attributes for *file_system path name*. Check dsmerror.log for more information.

Explanation: The extended attributes of the object are not read.

System action: The object is skipped. Processing continues with the next object.

User response: Examine the client error log for additional messages that might indicate the reason for the problem. Follow the suggested corrective actions (if any) and try the operation again.

FMV1742E Expose Snapshot failed for backup '*backup-name*'.

Explanation: Expose snapshot failed.

System action: Processing stops

User response: See the dsmerror.log file for further details.

FMV1743E Unexpose snapshot failed for backup '*backup-name*'.

Explanation: Unexpose snapshot failed.

System action: Processing stops

User response: See the dsmerror.log file for further details.

FMV1744E One or more of the snapshots(volumes) needed for the restore operation were not found. See dsmerror.log for further details.

Explanation: One or more of the snapshots needed for restore were not found on the system.

System action: Processing stops

User response: See the dsmerror.log file for further details.

FMV1745I The virtual machine to restore has one or more distributed port groups. Further configuration might be necessary to select a port number after the restore is complete.

Explanation: The virtual machine was saved with one or more NIC cards backed by distributed port groups. Due to conflicts on restore the port number(s) were not saved.

System action: The restore continues.

User response: Edit the virtual machine settings and select a port if needed.

FMV1746E **No available LUNs were found. Confirm that the storage adapters are configured correctly on the host and that the LUNs are not mapped to another virtual machine.**

Explanation: The virtual machine was stored with a Raw Device Mappings disk backed by a LUN. The required LUN is missing or still mapped to another virtual machine.

System action: The virtual machine cannot be restored.

User response: Confirm that the Storage Adapters are configured correctly on the host and that the LUNs are not mapped to another virtual machine.

FMV1747W **The virtual machine contains one or more Version 2 Raw Device Mappings (RDMs). Backups are not supported in this configuration.**

Explanation: Version 2 RDMs are not supported.

System action: The virtual machine is not backed up.

User response: Power off the virtual machine and remove the version 2 RDMs from the virtual machine.

FMV1748E **The virtual machine was stored with a Raw Device Mappings disk backed by a LUN. The required LUN is missing or still mapped to another virtual machine: LUN UUID** *lun***.**

Explanation: The virtual machine was stored with a Raw Device Mappings disk backed by a LUN. The required LUN is missing or still mapped to another virtual machine.

System action: The virtual machine cannot be restored.

User response: Find the required LUN and make it available to the virtual machine.

FMV1749W **Object '***filespace-namehl-namell-name***' was backed up with invalid file system type attribute.**

Explanation: File system type is used by the client to determine if an object name is case sensitive or not. Wrong file system type may result in incorrect sort order of the server tree for case sensitive file systems. Finally some unchanged files may expire and then re-backed up during full incremental backup.

System action: Processing continues.

User response: It is recommended to rename the correspondent filespace on TSM server and do the full incremental backup again.

FMV1750I **Volume mount point '***volumemountpoint***' is mounted to volume '***volume***'. Using snapshot volume for '***volume***' to backup.**

Explanation: The volume mount point resolved to a volume that has been snapped. The same snapshot volume will be used.

System action: Processing continues.

User response: None.

FMV1751E **Error processing '***filespace name***': The file system can not be accessed.**

Explanation: The client is unable to access the file system. Two common reasons for this are the account under which the client is running does not have access to the root of the file system, or the file system does not exist.

System action: The inaccessible file system is skipped. Processing continues with the next file system.

User response: Check the error log for additional messages that might yield additional information about the problem that prevents access to the file system. Correct the problem, then retry the operation. If the account does not have access to the file system, then either the system administrator needs to grant access, or an account that has access to the file system must be used. If the file system does not exist, then remove or correct the file system specification.

FMV1752E **The file system can not be accessed.**

Explanation: The client is unable to access the file system. Two common reasons for this are the account under which the client is running does not have access to the root of the file system, or the file system does not exist.

System action: The inaccessible file system is ignored.

User response: Check the error log for additional messages that might yield additional information about the problem that prevents access to the file system. Correct the problem, then retry the operation. If the account does not have access to the file system, then either the system administrator needs to grant access, or an account that has access to the file system must be used. If the file system does not exist, then remove or correct the file system specification.

FMV1753E **File space '***filespace name***' was backed up by an older client version, and cannot be restored with this client version. The file space will be skipped.**

Explanation: The backup set format in earlier client

versions for SYSTEM STATE and SYSTEM SERVICES is incompatible with the current client version. Those file spaces will be skipped. The restore might appear to pause while the client skips past the objects in those file spaces. Other remaining file space data will be restored.

System action: Objects in this file space are skipped. Other remaining file space data will be restored.

User response: Restore this specific file space in the backupset with a prior level client.

FMV1754E **File space '*filespace name*' cannot be restored when ASNODENAME option is in affect. The file space will be skipped.**

Explanation: System state data of another node should not be restored to a different node. Those file spaces will be skipped. The restore might appear to pause while the client skips past the objects in those file spaces. Other remaining file space data will be restored.

System action: Objects in this file space are skipped. Other remaining file space data will be restored.

User response: Remove ASNODENAME option before restoring this specific file space in the backupset or use the node name that was used to backup system state data to restore.

FMV1755W **An error communicating with Active Directory has occured. USEDIRECTORY option will be ignored and processing will continue.**

Explanation: TSM attempted to query Active Directory for TSM Server parameters but an error has occured. This could be caused by Active Directory or the TSM Server's setup.

System action: TSM will ignore the USEDIRECTORY option and continue with client processing.

User response: Make sure your computer is properly set up to the domain with Active Directory. Also, make sure your TSM Administrator has properly configured the TSM Server for your node.

FMV1756W **The Journal for '*backup-specification*' has been reset: The server filespace was deleted since the last backup completed.**

Explanation: The client has reset the journal because the corresponding server filespace was deleted since the last backup completed.

System action: The journal is reset, the current backup won't use the journal, and the journal won't be available for backup until a full incremental backup successfully completes.

User response: None.

FMV1757W **The Journal for '*backup-specification*' has been reset: The server filespace was deleted since the last backup completed.**

Explanation: The client has reset the journal because the corresponding server filespace was deleted since the last backup completed.

System action: The journal is reset, the current backup won't use the journal, and the journal won't be available for backup until a full incremental backup successfully completes.

User response: None.

FMV1758W **The Journal for '*backup-specification*' has been reset: The server filespace was deleted since the last backup completed.**

Explanation: The client has reset the journal because the corresponding server filespace was deleted since the last backup completed.

System action: The journal is reset, the current backup won't use the journal, and the journal won't be available for backup until a full incremental backup successfully completes.

User response: None.

FMV1759W **The Journal for '*backup-specification*' has been reset: The policy set was updated since the last backup completed.**

Explanation: The client has reset the journal for the specified file system because the node policy set was updated since the last backup completed.

System action: The journal is reset, the current backup won't use the journal, and the journal won't be available for backup until a full incremental backup successfully completes.

User response: None.

FMV1760I **Journal for '*backup-specification*' enabled for node '*nodename*' and server '*servername*'**

Explanation: The journal for the specified file system is now valid and will be used by the next full incremental backup by the specified TSM node and server.

System action: The next full incremental backup of the file system will use the journal.

User response: None.

FMV1761I **Journal for '*backup-specification*' will be enabled upon successful completion of the backup.**

Explanation: An active but invalid journal is present for the file system being backed up. Once the backup successfully completes the journal will available for use by the next full incremental backup of the file system with the same TSM node and server.

System action: None.

User response: None.

FMV1763W **Unable to unmount snapshot mount point *snapshot mountpoint* during cleanup of snapshot '*snapshot*' of volume '*volume*'.Error is '*error*'.Operation will continue. Please manually unmount, remove the snapshot mount point directory and delete the snapshot after backup is completed.**

Explanation: During the termination phase of TSM client operation, it was not possible to unmount the snapshot for some reason. However, TSM operation was completed successfully.

System action: Processing continues, and the unmount error is ignored.

User response: Please manually cleanup the snapshots as follows: Query the snapshot: snapshot -q -c: <source FS>. Snapshot name will be of the format: tsmxxxxxxxxxx. Check if it is mounted: df -k | grep tsmxxxxxxxxxx. Unmount the snapshot: umount -f tsmxxxxxxxxxx. Remove snapshot mount point: rmdir tsmxxxxxxxxxx. Delete the snapshot: snapshot -d /dev/tsmxxxxxxxxxx. If snapshot delete fails with "Device Busy" or some other error, unmount the snapshot source filesystem: umount -f <source FS>. Retry snapshot delete: snapshot -d /dev/tsmxxxxxxxxxx. Check if any logical volumes are remaining: ls -l /dev/tsm*. Remove any remaining logical volumes: rmlv -f tsmxxxxxxxxxx. Remount source file system, if previously unmounted: mount <source FS>.

FMV1764W **Unable to remove the snapshot mount point directory *snapshot mountpoint* during cleanup of snapshot '*snapshot*' of volume '*volume*'.Error is '*error*'.Operation will continue. Please manually remove the snapshot mount directory and delete the snapshot after backup is completed.**

Explanation: During the termination phase of TSM client operation, it was not possible to remove the mount point directory for the snapshot for some reason. However, TSM operation was completed successfully.

System action: Processing continues, and the rmdir error is ignored.

User response: Please manually cleanup the snapshots as follows: Query the snapshot: snapshot -q -c: <source FS>. Snapshot name will be of the format: tsmxxxxxxxxxx. Check if it is mounted: df -k | grep tsmxxxxxxxxxx. Unmount the snapshot: umount -f tsmxxxxxxxxxx. Remove snapshot mount point: rmdir tsmxxxxxxxxxx. Delete the snapshot: snapshot -d /dev/tsmxxxxxxxxxx. If snapshot delete fails with "Device Busy" or some other error, unmount the snapshot source filesystem: umount -f <source FS>. Retry snapshot delete: snapshot -d /dev/tsmxxxxxxxxxx. Check if any logical volumes are remaining: ls -l /dev/tsm*. Remove any remaining logical volumes: rmlv -f tsmxxxxxxxxxx. Remount source file system, if previously unmounted: mount <source FS>.

FMV1765W **Unable to delete the snapshot during cleanup of snapshot '*snapshot*' of volume '*volume*'.Error is '*error*'.Operation will continue. Please manually delete the snapshot after backup is completed.**

Explanation: During TSM client operation, it was not possible to delete the snapshot for some reason. However, TSM operation was completed successfully. One of the reasons that the snapshot delete failed maybe due to the fact that AIX JFS2 expects the snapshot delete requests for a given filesystem to be issued in the order of oldest snapshot first, next oldest snapshot second and so on. If there are other processes using older snapshots for the same filesystem, it fails the delete request. Also, TSM only deletes snapshots that was created by one of its processes. It will not delete older snapshots created by other applications or users. In this case, the user will have to manually delete all the older snapshots so that the next TSM command can complete successfully.

System action: Processing continues, and the snapshot delete error is ignored.

User response: Please manually cleanup the snapshots as follows: Query the snapshot: snapshot -q -c: <source FS>. Snapshot name will be of the format: tsmxxxxxxxxxx. Check if it is mounted: df -k | grep tsmxxxxxxxxxx. Unmount the snapshot: umount -f tsmxxxxxxxxxx. Remove snapshot mount point: rmdir tsmxxxxxxxxxx. Delete the snapshot: snapshot -d /dev/tsmxxxxxxxxxx. If snapshot delete fails with "Device Busy" or some other error, unmount the snapshot source filesystem: umount -f <source FS>. Retry snapshot delete: snapshot -d /dev/tsmxxxxxxxxxx. Check if any logical volumes are remaining: ls -l /dev/tsm*. Remove any remaining logical volumes: rmlv -f tsmxxxxxxxxxx. Remount source file system, if previously unmounted: mount <source FS>.

FMV1766W **Unable to remove the snapshot logical volume during cleanup of snapshot '*snapshot*' of volume '*volume*'.Error is '*error*'.Operation will continue. Please manually remove the snapshot logical volume after backup is completed.**

Explanation: During the termination phase of TSM client operation, it was not possible to remove the snapshot logical volume for some reason. However, TSM operation was completed successfully.

System action: Processing continues, and the snapshot logical volume remove error is ignored.

User response: Please manually cleanup the snapshots as follows: Query the snapshot: snapshot -q -c: <source FS>. Snapshot name will be of the format: tsmxxxxxxxxxx. Check if it is mounted: df -k | grep tsmxxxxxxxxxx. Unmount the snapshot: umount -f tsmxxxxxxxxxx. Remove snapshot mount point: rmdir tsmxxxxxxxxxx. Delete the snapshot: snapshot -d /dev/tsmxxxxxxxxxx. If snapshot delete fails with "Device Busy" or some other error, unmount the snapshot source filesystem: umount -f <source FS>. Retry snapshot delete: snapshot -d /dev/tsmxxxxxxxxxx. Check if any logical volumes are remaining: ls -l /dev/tsm*. Remove any remaining logical volumes: rmlv -f tsmxxxxxxxxxx. Remount source file system, if previously unmounted: mount <source FS>.

FMV1767E **Unable to create a snapshot logical volume using command: '*cmd*'.Error is '*error*'.Please ensure that the volume group has sufficient free partitions to fulfill the allocation request.**

Explanation: During the initialization phase of TSM client operation, it was not possible to create a logical volume for the snapshot.

System action: Processing continues, and the create snapshot logical volume error is ignored. TSM operation will be performed without the snapshot.

User response: Please ensure that the volume group has sufficient free partitions to fulfill the mklv allocation reuest and retry the operation.

FMV1768E **TSM was unable to find space for a new snapshot. TSM function name :** *function-name* **TSM function :** *function-desc* **TSM return code :** *TSM-rc* **TSM file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Previous backups may still be pending. If problem persists contact the TSM administrator with the information provided in this message.

FMV1769E **NetApp file server '*server-name*' at Data ONTAP version '*version.modification.submodification*' is not supported for performing incremental backups using snapshot difference.**

Explanation: Incremental backup using Snapshot difference requires Data ONTAP V7.3 or later. However, if you are upgrading from Data ONTAP V7.3.3 or later to V8.0, you will lose snapshot difference support for unicode file names. Upgrade to Data ONTAP V8.1 or later.

System action: Processing stops.

User response: Upgrade the file server to a supported level of Data ONTAP, then retry the operation.

FMV1770E **Unable to resolve address '*tcpip address*'. Error =** *error code*, **'***error message***'**

Explanation: The system was not able to get the TCP/IP v6 address.

System action: Processing stopped

User response: Verify the address shown is a TCP/IP v6 address and can be resolved with ping or ping6.

FMV1771W **The system state filespace '*filespace name*' cannot be restored to a different location.**

Explanation: The system state file space cannot be restored to a different location. This file space is skipped.

System action: Objects in the system state file space are skipped. Other remaining file spaces are restored. The restore might appear to pause while the client skips past the objects in this file space.

User response: Restore system state to its original location.

FMV1772E **Error loading the snapshot plugin. The plugin might not be installed.**

Explanation: The snapshot plugin could not be loaded, possibly because the plugin is not installed.

System action: The snapshot backup is stopped.

User response: On Linux 86/86_64 platform, install the TIVsm-BAhdw package if it is not already installed. Try the operation again. On AIX platform, install the hdw and snphdw filesets if they are not already installed. Try the operation again.

FMV1773W **The virtual machine '*VM-name*' contains one or more independent disks and these disks are excluded from the VM backup.**

Explanation: You cannot perform a shapshot of independent disks. Specify the option '-vmprocessvmwithindependent=yes' to skip these disks.

System action: The virtual machine independent disks will not be backed up.

User response: None.

FMV1774W **The virtual machine '*VM-name*' contains one or more physical Raw Device Mappings (RDM) disks and these disks are excluded from the VM backup.**

Explanation: You cannot perform a shapshot of physical RDM disks. Specify the option '-vmprocessvmwithprdm=yes' to skip these disks.

System action: The virtual machine physical RDM disks are not backed up.

User response: None.

FMV1780E *writer-name* **failed to initialize and subscribe to VSS.**

Explanation: IBM Tivoli Storage Manager encountered an error while creating *writer-name* under control of the Windows Volume Shadow Copy Service (VSS). Examine the IBM Tivoli Storage Manager error log and Applications Event Log for additional information about this error.

System action: Processing ends.

User response: Try the operation again. If the error persists, examine the IBM Tivoli Storage Manager error log and Windows event log for information related to this error.

Restart the Windows Volume Shadow Copy Service (VSS), and try the operation again.

In some cases, it is necessary to restart the machine to clear the VSS error state.

FMV1782E *writer-name* **failed to be stopped.**

Explanation: IBM Tivoli Storage Manager encountered an error while stopping *writer-name*. Examine the IBM Tivoli Storage Manager error log and Applications Event Log for additional information about this error.

System action: Processing ends.

User response: Try the operation again. If the error persists, examine the IBM Tivoli Storage Manager error log and Windows event log for information related to this error.

Restart the Windows Volume Shadow Copy Service (VSS), then try the operation again.

In some cases, it is necessary to retart the machine to clear the VSS error state.

FMV1784E **Incremental by snapshot difference cannot be performed on '*volume-name*' as it is a vFiler volume.**

Explanation: Snapshot difference incremental backup is not supported on vFiler volumes.

System action: Processing stops.

User response: Perform snapshot difference incremental backup on normal NetApp/N-Series volumes only.

FMV1787I **The virtual machine NIC is backed by a distributed virtual port group but it is missing the portgroupKey attribute, The NIC cannot be restored.**

Explanation: The virtual machine NIC is missing the required portgroupKey attribute.

System action: The virtual machine can be restored but the NIC cannot be restored.

User response: After the virtual machine has been restored a new NIC card can be added.

FMV1788I **The target ESX host is missing the required distributed virtual port group, the virtual machine NIC cannot be restored.**

Explanation: The virtual machine NIC was backed by a distributed virtual port group but the target ESX host is missing this port group.

System action: The virtual machine can be restored but the NIC cannot be restored.

User response: After the virtual machine has been restored a new NIC card can be added.

FMV1789I **No Ddistributed virtual port group were found on the target ESX host. The virtual machine NIC cannot be restored.**

Explanation: The virtual machine NIC was backed by a distributed virtual port group but the target ESX host has no port group available.

System action: The virtual machine can be restored but the NIC cannot be restored.

User response: After the virtual machine has been restored a new NIC card can be added.

FMV1790E **Volume '*volname*' cannot be backed up because 'nosnapdir=on' is set on the filer.**

Explanation: This message is issued when option 'nosnapdir=on' is in set for the volume indicated in the message. When this option is set, the volume snapshots are hidden and thus cannot be backed up.

System action: The volume indicated in the message is not backed up. Processing continues with the next volume.

User response: To back up the volume, change the volume on the filer: Set option 'nosnapdir=off'. Then try the backup operation for this volume again. If the volume is not backed up, remove it from the backup-archive client DOMAIN setting.

FMV1794I **The option 'cifs.enable_share_browsing = off' is set on the filer '*filerName*'.**

Explanation: This message is issued when the option 'cifs.enable_share_browsing = off' is set on the NAS filer indicated in the message.

System action: Processing continues.

User response: Set option 'cifs.enable_share_browsing = on'. Then try the snapshot difference backup operation again.

FMV1795I **Operation will continue without using snapshot provider, because file system '*volname*' does not have write permissions.**

Explanation: The source file system for a snapshot should be read-write as by definition a snapshot is a point-in-time snapshot of changing file system. Snapshot creation updates the file system superblock which requires the file system to be read-write

System action: Processing continues without using snapshot provider.

User response: If the volume needs to be backed up via snapshot provider, change its permissions to read-write.

FMV1796I **The short name for '*fullpath-name*' could not be set to original short name '*file-name*': Windows function '*func-name*' failed with return code *return-code*, reason: '*error text*'**

Explanation: The client cannot set the short name for the specified object. This is usually because the short name is already in use by another object located in the same directory. Another possible reason is that the account under which the client is running does not have the SE_RESTORE_NAME privilege.

System action: The short name for the specified object is not set. The object will retain the default short name. Otherwise processing continues.

User response: This message is informational and can be safely ignored. If you require that the object be restored with its original short name, you will need to move or delete the conflicting object. From an operating system command prompt, change to the directory that contains the object you want to restore. Then use the \"dir /x\" command to identify the conflicting object. Also make sure that you have the SE_RESTORE_NAME privilege. If you need assistance, see your system administrator. After the conflict has been resolved, try to restore the file again.

FMV1797E **Function *function-name* received an unexpected error from the Microsoft API *MS-function-name*: rc=*error* while attempting to access the object '*object-name*'. Error occurred in file *file-name* (*line-number*).**

Explanation: An error occurred while processing the '*object-name*'. The *error* code indicates the reason for the failure. This information can be used to diagnose the problem.

System action: The TSM client may or may not fail the operation, depending on the *error* code.

User response: Contact your system administrator for more information.

FMV1798W **An error occurred while accessing encrypted data of the object '*object-name*', skipping object. Windows system error code *error*, reason '*error-reason*'**

Explanation: An error occurred while processing encrypted data of the object. The error information captured indicates the reason for the failure. This information can be used to diagnose the problem.

System action: Object skipped.

User response: Contact your system administrator for more information.

FMV1799I **The last access date for '*fullpath-name*' could not be reset because the file is read-only.**

Explanation: Option PRESERVELASTACCESSDATE YES is in effect, but the TSM client was unable to reset the last access date for the specified file because the file's "read only" attribute is enabled. The client cannot reset the last access date for "read only" files.

System action: The last access date for the specified file is not reset. Otherwise processing continues.

User response: This message is informational and can be safely ignored. You might want to turn off the "read only" attribute for the file so that subsequent backups

can reset the last access date. Before turning off the attribute, you should verify that doing so will not impact the integrity of the file or the applications that use the file. You should also make sure that turning off the attribute will not conflict with the file management policies of your organization.

FMV1800W The last access date for '*fullpath-name*' could not be reset: function '*func-name*' failed with return code *return-code*

Explanation: Option PRESERVELASTACCESSDATE YES is in effect, but the TSM client was unable to reset the last access date for the specified file. The message includes the name of the function that failed and the return code from that function.

System action: The last access date for the specified file is not reset. Otherwise processing continues.

User response: If the problem is reproducible, obtain a SERVICE trace that captures an instance of this problem. Run the QUERY SYSTEMINFO command and collect the dsminfo.txt file. Contact IBM support and report the exact text of this error message. Be sure to provide support with the dsminfo.txt and dsmerror.log files and (if available) the SERVICE trace.

FMV1801E Unable to register the new ID with server.

Explanation: The reasons of this problem can be lack of client system memory or server protocol error. The TSM activity log might contain a corresponding error message with further information about the cause.

System action: The new ID is not registered with the server.

User response: Please check your network connection and try again after time. If the error appears again, please contact your client machine administrator.

FMV1802E Incremental backup of '*file-name*' finished with *failCount* **failure(s)**

Explanation: This message is issued after completion of an incremental backup operation for the named file specification when one or more objects in that file specification could not be backed up.

System action: Processing continues.

User response: Examine the client error log for additional messages that indicate the reasons that each failed object could not be backed up. Take any corrective action as suggested by the messages.

FMV1803E Archive processing of '*file-space name*' finished with failures.

Explanation: This message is issued after completion of an archive operation for the named file specification when one or more objects in that file specification could not be archived.

System action: Processing continues.

User response: Examine the client error log for additional messages that indicate the reasons that each failed object could not be archived. Take corrective action as suggested by the messages.

FMV1804E Selective Backup processing of '*file-space name*' finished with failures.

Explanation: This message is issued after completion of a selective backup operation for the named file specification when one or more objects in that file specification could not be backed up.

System action: Processing continues.

User response: Examine the client error log for additional messages that indicate the reasons that each failed object could not be backed up. Take any corrective action suggested by those messages.

FMV1805E Unable to restore symbolic link '*file-name*'.

Explanation: The client operating system is not able to create a symbolic link because the link points to a filename that is not given.

System action: Processing continues.

User response: Try the restore on a different operating system.

FMV1806W Size exceeded the maximum file size limit on your system for '*filespace namepath-namefile-name*' of '*file-size*'.

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

System action: TSM cannot restore or retrieve the file.

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

FMV1807E Unable to recall file from server due to error from recall daemon.

Explanation: Unable to recall file. The recall daemon reported an error while trying to recall a file. Look in the recall daemon's error log for more information. This can happen if the server is down, the connection is broken, or the file is missing on the server. It is also possible that the migration server in the system option file has been changed to a different server. The recall daemon does not check the system option file for changes once it has started.

System action: File skipped.

User response: See if the server is up, and retry. If the problem still exists, look in the error log. Also have the workstation administrator run dsmreconcile against the file system and see if the file shows up in the .SpaceMan/orphan.stubs file. If system option file has been changed, stop all recall daemons and restart the master recall daemon to pick up the changes.

FMV1808E The Logical Volume Snapshot Agent is not at the correct level. It is possible that the Client was upgraded to a newer level but the LVSA driver was not updated at the same time. Use the Setup Wizard to configure either Online Image or Open File support and choose Update the Logical Volume Snapshot Agent.

Explanation: The selected operation requires the current level of the Logical Volume Snapshot Agent. Use the Setup Wizard to update the LVSA.

System action: The selected operation is not performed.

User response: Retry the operation after updating the Logical Volume Snapshot Agent.

FMV1809W A session with the TSM server has been disconnected. An attempt will be made to reestablish the connection.

Explanation: This message is issued after the session with the TSM server is unexpectedly lost. Some possible reasons that this message might be issued: - There is a problem with the network. - The TSM server was shut down. - The TSM server administrator cancelled the client session.

System action: The client will try to reestablish a connection with the server. If the TSM server administrator cancelled the session, then the attempt to reestablish the connection will fail and message FMV1369E will be issued. If the attempt to reestablish the connection is successful, then processing will continue. If the attempt to reestablish the connection fails, then the client will continue to try to reestablish a connection according to the COMMRESTARTDURATION and COMMRESTARTINTERVAL client option settings.

User response: If the session was cancelled by the TSM server administrator and you do not know why, or if the client is unable to reestablish a session with the TSM server, then contact your TSM server administrator for further information. Frequent occurrences of the FMV1809W message can indicate a problem with the network. If this message is repeatedly found in the dsmerror.log, investigate possible networking trouble, such as a failing network interface card or router problem. One common problem is the media speed of the network adaptors: If the network adaptors are set to "auto-negotiate", try changing them to "100%% full duplex". If the problem persists, then as a temporary measure ask your TSM server administrator increase the COMMTIMEOUT and IDLETIMEOUT option settings on the TSM server. This might reduce the frequency of this message.

FMV1810I A session with the TSM server has been reestablished.

Explanation: The session with the server has been reestablished after a connection failure. This message is usually preceded by message FMV1809W.

System action: Processing will continue.

User response: None. This message is informational only.

FMV1811S TSM session could not be reestablished.

Explanation: The session with the server has been lost. Attempts to reestablish the session were unsuccessful. Possible causes include, but are not limited to the following:

- The server has been halted.
- The network connection to the server is down.
- The communication program that TSM is interacting with has encountered some problem.

System action: Processing is stopped.

User response: Check network connection to the server. Insure that the TSM server is running. Insure that the communication program underlying TSM is working properly.

FMV1813E Image Backup processing of '*filespace-name*' finished with failures.

Explanation: The image backup operation failed. This message is usually preceded by other messages indicating the nature of the failure.

System action: The failing file space is skipped and processing continues.

User response: Examine the messages preceding this message and the TSM Client error log for more specific indications about the problem. A common cause is that a tape could not be mounted on the TSM server, perhaps due to an insufficient number of mount points. If there is a problem with the server, contact your System Administrator for further assistance.

FMV1814E Unable to start the scheduled event '*event-name*'

Explanation: The scheduled *event* is no longer valid on the server. Either the window has elapsed or the schedule has been deleted.

System action: The client scheduler queries the server to obtain the next scheduled event.

User response: If the problem continues, contact your

system administrator to correct the problem on the server.

FMV1815E Either the window has elapsed or the schedule has been deleted

Explanation: Scheduled event was no longer valid on the server.

System action: The client scheduler queries the server to obtain the next scheduled event.

User response: If the problem continues, see your system administrator to correct the problem on the server.

FMV1816E Invalid scheduling mode

Explanation: The mode entered for the scheduled event was not correct.

System action: Event does not occur.

User response: Enter the correct scheduling mode and retry the operation.

FMV1817E Schedule function can only be run by a TSM authorized user.

Explanation: An attempt to use the schedule function failed because of improper authority.

System action: Processing stopped.

User response: See the TSM authorized user for schedule function information.

FMV1818E The SCHEDULE command is not allowed in LOOP (interactive) mode.

Explanation: The SCHEDULE command may only be given on the inital command line. Enter the HELP SCHED command for a complete description of the SCHEDULE command.

System action: The client does not execute any scheduled events.

User response: Start the scheduler from the OS prompt. For example: dsmc schedule Windows clients can also use the client scheduler service. Read the client manual for information on how to use the SCHEDULE command and how to use the TSM client scheduler features.

FMV1819E The TSM server was unable to register the address for this node.

Explanation: This is a rare situation, and is usually an indication of a problem with the TSM server.

System action: Processing stopped.

User response: Check the error log for any other messages that might indicate a reason for the failure. Ask your TSM server administrator to check the TSM server activity log for any messages that might indicate a problem on the server. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1820E Command line options must be preceded by a '-'

Explanation: An option was specified without a '–' delimiter.

System action: Processing stopped.

User response: Enter the command again with a dash preceding each option.

FMV1821E Unable to start POSTSCHEDULECMD/ PRESCHEDULECMD '*command***'**

Explanation: The requested action required a new process to be created. Either an option or a schedule "action" that requested an operating system command to be executed was entered.

System action: Request is ignored.

User response: Remove the request from the options file or the schedule defined on the server.

FMV1822E Too many objects were selected for restore. Please select less than *max_objects* **objects**

Explanation: The restore cannot be performed, because too many objects were selected.

System action: The restore is not performed.

User response: Retry the operation after reducing the number of objects selected.

FMV1823E The TESTFLAGS or TRACEFLAGS option specifies unknown flag name '*keyword***' or the value supplied is invalid for the named keyword.**

Explanation: Either the testflag or traceflag name is incorrectly spelled, or the value supplied for that flag is not valid.

System action: If the TESTFLAGS or TRACEFLAGS option was specified in the client options file or on the command line during client initialization, the the client program does not start. If the option was specified from the command line client while running in LOOP (interactive) mode, then the operation does not run.

User response: Correct the TESTFLAGS or TRACEFLAGS flag name or correct the value specified for the TESTFLAG keyword shown in the message. These options are typically used at the direction of IBM technical support or as specified in the TSM Problem

Determination Guide. If you are not sure which flag names to use, review the TSM Problem Determination Guide for additional information or contact IBM technical support for further assistance.

FMV1824E Invalid trace file name (name too long).

Explanation: A TRACEFILE option in the preferences files used a file name that is too long.

System action: Client program did not initialize.

User response: Change the file name used as the TRACEFILE so that it is equal to or less than 255 characters in length.

FMV1826E Unable to open trace output file *file-name*.

Explanation: A TRACEFILE option in the user configuration file or on the command line used a directory path and *file-name* combination to which you do not have write access.

System action: Client program did not initialize.

User response: Change the TRACEFILE value so that it is a location to which you have write access.

FMV1827W Directories cannot be selected with the table of contents currently loaded on the server.

Explanation: The table of contents that is currently loaded on the server for this volume does not contain objects corresponding to the one and only point-in-time backup. It contains an incomplete point in time or multiple points in time.

System action: The directory is not selected for restore.

User response: To be able to select an entire directory for restore, select "Use Latest" or "Use Point in Time" from the Point in Time dialog.

FMV1828E Screen size is too small for using the PICK option.

Explanation: You cannot use the PICK option on a workstation that has a screen smaller than 20 characters across and 10 lines down.

System action: TSM did not complete the operation.

User response: Retry the operation using a workstation that has a screen with the minimum size, or do not use the PICK option.

FMV1830E Unable to write to trace file *tracefile*. Tracing disabled.

Explanation: An error occurred when writing to the specified *tracefile.*

System action: Tracing is disabled. Processing continues.

User response: Ensure the device that the *tracefile* access is available and has sufficient space for the tracefile. Retry the command.

FMV1831E Password expired. The administrator for this system must run TSM to update the password.

Explanation: The password expired.

System action: TSM ends.

User response: The administrator for this system must update the password.

FMV1832W The option '*option*' is no longer supported and will be ignored by TSM client in this release.

Explanation: The specified option is in the process of being made obsolete and will be ignored by the client in this release. This option will be removed in the next release and will no longer be valid.

System action: Processing continues.

User response: Remove the option from the option file. Also check the documentation to see if this option has been replaced by a newer option.

FMV1834S Unable to write to '*file-name*' for storing password

Explanation: TSM cannot write to the specified *file-name*.

System action: Processing continues.

User response: Check access permissions and disk space. If unsuccessful, see your system administrator.

FMV1835E PASSWORDACCESS is GENERATE, but password needed for server '*server-name*'. Either the password is not stored locally, or it was changed at the server.

Explanation: Either the password is not stored locally, or it was changed at the server.

System action: TSM prompts you for the password if TSM is running in the foreground.

User response: If TSM was running as a background process, issue any TSM command from the foreground. Enter the password in answer to the prompt. Then try

your background TSM command again.

FMV1836I Unable to process Processor Value Unit hardware scan info file '*file name*', *errno*, *cause*.

Explanation: The internal-use data file was not readable.

System action: Processor Value Unit information is not sent to the IBM Tivoli Storage Manager server. Processing continues.

User response: No response is necessary. This does not affect regular processing. Correct any file access permission issues and try the command again. If the file exists, delete the file and try the command again.

FMV1837S File space *filespace-name* is ignored. Processing continues.

Explanation: The specified *filespace-name* in the system options file is invalid.

System action: TSM attempts to continue the current operation.

User response: Check the file space in the system options file and use a valid file space. Retry the operation.

FMV1838E Error opening user specified options file '*filespace-name*' .

Explanation: The specified *options file-name* could not be located or opened.

System action: TSM attempts to open default option file.

User response: Make sure specified option file exists and is valid.

FMV1839E Cannot read password.

Explanation: An error occurred in setting up the input file (for example, the terminal) to be read.

System action: Processing stopped.

User response: Check the attributes of the terminal.

FMV1852E Server could not load the table of contents. Status: *status* reason: *reason*

Explanation: A failure occurred when the server attempted to load a file-level Table of contents for an NDMP volume. No file-level queries can be performed against the volume until the problem is solved.

System action: The table of contents is not loaded.

User response: Check the server Activity Log to determine the cause of failure. Retry the operation after correcting the problem.

FMV1853E Server could not load the Table of Contents. Status: *status*

Explanation: A failure occurred when the server attempted to load a file-level Table of contents for an NDMP volume. No file-level queries can be performed against the volume until the problem is solved.

System action: The table of contents is not loaded.

User response: Check the server Activity Log to determine the cause of failure. Retry the operation after correcting the problem.

FMV1862W No table of contents information is available on the server for this volume.

Explanation: No objects for the selected volume exist on the server that were backed up with table of contents information. Consequently no file-level queries can be performed against the volume.

System action: none

User response: If file-level information is desired, use TOC option during backup.

FMV1865E Session rejected: Named Pipes connection failure.

Explanation: An attempt to connect to the server using Named Pipes communications failed. This might have occurred if an incorrect NAMEDPIPENAME was specified in the options files or if your system administrator canceled a backup operation.

System action: Processing stopped.

User response: Retry the operation, or wait until the server comes back up and retry the operation. Ensure that the value specified on the NAMEDPIPENAME option is the same as the one used by the server. If the problem continues, contact your system administrator for further help.

FMV1867E The server generated a CRC for verb type *CRC verb* which does not match the *received verb* verb received.

Explanation: A cyclic redundancy check (CRC) failed between TSM client and server communication.

System action: The current object is skipped. Processing continues with the next object.

User response: This is an unusual condition, and could indicate a communications problem between the TSM client and server. Try the operation again. If the problem persists, contact IBM for further assistance.

FMV1869E The NDS object requires its parent, or container, to be present before this object can be restored. Try first restoring the parent of this object.

Explanation: SMS requires the parent of the object (container) to be present before the child or object can be created.

System action: Processing stops.

User response: Retry restoring, but at least one level up. For instance, restore 'dir\.o=ibm*' instead of 'dir\ou=gpl.o=ibm*'.

FMV1870E NDS transport failure FFFDFEAF has occurred. Contact Novell technical support for further assistance.

Explanation: The failure is reported from the NDS ResolveName() function. It indicates a communication failure between TSANDS and the partition on which the object resides.

System action: Object skipped.

User response: Check the TSM client README file for information on required NetWare software levels, and verify that those levels are installed. Reducing the RESOURCEUTILIZATION client setting might also help avoid this error. If the problem persists, contact Novell technical support for further assistance regarding the FFFDFEAF return code.

FMV1871W The server CRC version is *server CRC version* **which does not match the client version** *client CRC version***.**

Explanation: This is a rare situation. The server and client are using different versions of cyclic redundancy check (CRC) algorithms.

System action: Processing continues without CRC checking.

User response: Clients can be no more than one version downlevel from the TSM server. Make sure the client and server are at compatible levels. The command line client displays both client and server versions when the client starts and connects to the server. The QUERY SESSION command will also display the server version. From the GUI, use the \"Help/About\" menu item to identify the client version, and the \"File/Connection Information\" menu item to identify the server version. If the client and server versions are incompatible, then the TSM server administrator can turn off CRC checking for your node.

FMV1872E Unable to connect to NetWare target service '*server-name***'. Make sure the TSA NLM is loaded on the specified machine.**

Explanation: TSM interacts with the Target Service Agent (TSA) and the connection cannot be made to the Netware *server-name*.

System action: Processing stopped.

User response: Ensure that the TSA is loaded and retry the TSM command.

FMV1873E An unknown error occurred while processing system object '*sys-obj-name***': utility function '***func-name***' failed with error** *error*

Explanation: An unknown error occurred while processing a system object. The error information captured indicates the reason for the failure. This information can be used to diagnose the problem.

System action: TSM ended the current operation.

User response: Contact your system administrator for more information.

FMV1874E Login denied to NetWare Target Service Agent '*server-name***'.**

Explanation: The connection to the Target Service Agent (TSA) requires a NetWare user name and a password. The password you entered at the prompt may be incorrect.

System action: Processing stopped.

User response: Retry the TSM command, supplying the correct LAN password.

FMV1875E Unable to connect to target service. Out of memory.

Explanation: Not enough memory to connect to the Target Service Agent (TSA).

System action: Processing stopped.

User response: Either add memory to the server or free memory by unloading some programs, or by restarting the server.

FMV1876E TSM is unable to connect to the NetWare target service. NetWare SMS return code = *value***.**

Explanation: The NetWare SMS return code was unexpected.

System action: Processing stopped.

User response: Messages FMV1874E, FMV1876E and FMV2025E can all be issued due to related problems.

These problems might include: 1) The NetWare server has an insufficient number of NetWare user licenses. 2) The NetWare license files are corrupt. The NetWare license files can be reinstalled. 3) A NetWare typeful name is not being provided at the NetWare User prompt. 4) The TSM password file is corrupt. In this situation, quit all TSM processes, delete or move the *.PWD files that are located in the TSM installation directory, then load dsmc and run the following commands: QUERY SESSION QUERY TSA QUERY TSA NDS.

FMV1877E **The parsed string is too long for TSM to process and has been truncated to prevent a buffer overflow.**

Explanation: This is a rare condition. A very long string would have to be entered by the user in a command line, dsm.opt file, or filelist. This string exceeds the maximum input string size of 1024 bytes.

System action: TSM truncated the string to the maximum possible length of 1024, then continued with the operation. The operation may fail later due to this truncation.

User response: Check the client error log for other messages that might have been logged after this message was written, and take any corrective action suggested by those messages. If the problem persists, contact IBM support for further assistance.

FMV1878E **An unknown error occurred while processing system object '***sys-obj-name***': Service '***service-name***' and its dependent services could not be stopped.**

Explanation: An unknown error occurred while processing a system object. The service listed in the message and all of its dependent services could not be stopped. Processing cannot complete until the service is stopped.

System action: TSM ended the current operation.

User response: Manually stop the service and retry the operation.

FMV1879E **A NetWare NDS error occurred during restore processing: object '***nds_objectnds_object***' TSA error '***tsa_error***',** *tsa_error_text*

Explanation: TSM received an unexpected error from the Novell TSA interface. All TSA errors between 0xFFFDFE70 and 0xFFFDFEFF, inclusive, can generate this error message.

System action: The object is skipped. Processing continues.

User response: Check the Novell web site for any additional information about the error, as a fix might already be available. Contact Novell technical support for further assistance.

FMV1880E **TSA Connect error, NWSMConnectToTargetService '***TSA_Target_Service***' password file '***password_file***'. Userid = '***NetWare_userid***' failed with cc =** *TSA_ccode*

Explanation: TSM received an unexpected error from the Novell TSA interface while processing the userid and password from NWPWFILE.

System action: If the failure is a 'Login Denied' the user will be prompted for a Novell NetWare Userid and Password, and a password file will be created.

User response: The cc is returned from the TSA which belongs to Novell NetWare. If you get cc = FFFDFFD7 'Login Denied', please check the following:

- The user-id has been disabled.
- The user-id/password is invalid or expired.
- The user-id has inadequate security access.
- The user-id has insufficient rights to files and directories.
- The user-id specified has a login restriction based on time-0f-day.
- The user-id specified has a Network address restriction.
- The user-id specified has a login restriction based on number of concurrent connections.
- NetWare is not allowing logins (DISABLE LOGIN was issued at the console).

If you are unable to determine what is wrong, report the problem to your service representative.

FMV1881E **TSM is unable to use NWPWFILE '***password_file***' to connect TSA target service '***TSA_Target_Service***', the file is corrupted.**

Explanation: TSM could not use the NWPWFILE to connect to Novell TSA interface. The file was corrupted.

System action: User will be prompted for Novell NetWare Userid and Password, and password file will be created.

User response: The file can be corrupted via another application or hardware failures. If problem is persistent contact your service representative. A copy of the corrupted password file will be needed. This corrupted file must be preserved before you enter a new userid and password, because TSM will overwrite the corrupted file with correct information.

FMV1882E **Unable to stop service '*service-name*'; error** *error*

Explanation: The service could not be stopped by the program.

System action: TSM ended the current operation.

User response: Manually stop the service and retry the operation.

FMV1891W **SUBDIR is not a valid option when using FILELIST, SUBDIR will be ignored.**

Explanation: When Specifying FILELIST each entry is a single object and so SUBDIR will not apply.

System action: The option SUBDIR is ignored.

User response: You may have either a -FILELIST or SUBDIR on this command, but not both.

FMV1892W **Expire command is not allowed on the TSM journaled filespace '*filespace*'.**

Explanation: You cannot expire files from the server on a TSM journaled filespace.

System action: The expire command will not work on this filespec

User response: If you want to expire this filepec remove it from the local filesystem.

FMV1895I **Highest macro return code was** *return code value***.**

Explanation: This message is issued after all commands in a client macro have completed. The return code represents the highest return code that was issued during processing of the macro. In order of increasing severity, the return code meanings are:

- 0 - The command completed successfully
- 4 - One or more files were skipped
- 8 - One or more warning messages were issued
- 12 - One or more error messages (except for skipped files) were issued

System action: None.

User response: For return codes other than 0, the user may wish to verify the results of the client operation(s) and take diagnostic and repair actions, as necessary.

FMV1896I ***** **Restored** *number* **objects** *****

Explanation: Indicates the *number* of objects TSM has restored. During a restore session, the running total is periodically printed to the screen of a command line client.

System action: Continue with restore.

User response: None.

FMV1897I ***** **Retrieved** *number* **objects** *****

Explanation: Indicates the *number* of objects TSM has retrieved. During a retrieve session, the running total is periodically printed to the screen of a command line client.

System action: Continue with retrieve.

User response: None.

FMV1898I ***** **Processed** *count* **files** *****

Explanation: TSM has processed the specified number of files.

System action: Processing continues.

User response: None.

FMV1899I ***** **Examined** *count* **files** *****

Explanation: TSM has examined the specified number of files.

System action: Processing continues.

User response: None.

FMV1900I **Return code is** *return code value***.**

Explanation: The return code has been issued for the preceding client command. In order of increasing severity, the return code meanings are:

- 0 - The command completed successfully
- 4 - One or more files were skipped
- 8 - One or more warning messages were issued
- 12 - One or more error messages (except for skipped files) were issued

The return code indicates the highest severity message that was issued during execution of the client command. For a scheduled event, the event will be considered successful if the return code is 0, 4, or 8. The event will be considered to have failed if the return code is 12.

System action: None.

User response: For return codes other than 0, the user may wish to verify the results of the client operation and take diagnostic and repair actions, as necessary.

FMV1901I **Highest return code was** *return code value***.**

Explanation: This message indicates the highest return code of all the client commands that were executed. In order of increasing severity, the return code meanings are:

- 0 - The command completed successfully

- 4 - One or more files were skipped
- 8 - One or more warning messages were issued
- 12 - One or more error messages (except for skipped files) were issued

System action: None.

User response: For return codes other than 0, the user may wish to verify the results of the client operation(s) and take diagnostic and repair actions, as necessary.

FMV1902E The PRESCHEDULECMD command failed. The scheduled event will not be executed.

Explanation: The command specified by the PRESCHEDULECMD option must complete successfully in order to execute the scheduled event. If the command completed with a return code of 0 (zero), it is considered to have completed successfully. If the command completed with any other return code, it is considered to have failed. If the command failed then the scheduled event is not executed.

System action: The client does not execute the scheduled event, and the result code of the scheduled event will be 12.

User response: Identify and repair the problem that caused the command to fail. If it is not necessary for the command to complete before starting the scheduled event, then consider using the PRENSCHEDULECMD option, which does not require that the command complete successfully. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1903W The POSTSCHEDULECMD command failed.

Explanation: If the command specified by the POSTSCHEDULECMD option completed with a non-zero return code, then the scheduled event is considered to have completed successfully, but with a warning-level result. Note that the result of the POSTSCHEDULECMD command will not supercede a higher result from the scheduled client command. For example, if the scheduled client command completed with a return code of 12, the scheduled event will be considered to have completed with a return code of 12, regardless of the outcome of the POSTSCHEDULECMD command.

System action: At a minimum, the result code of the scheduled event is 8.

User response: Identify and repair the problem that caused the command to fail. If it is not necessary for the command to complete before posting the result of the scheduled event, then consider using the POSTNSCHEDULECMD option. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1904E The archive description may not contain any wildcard characters like '?' or '*'.

Explanation: Descriptions for archive files must not contain wildcard characters.

System action: Processing stopped.

User response: Enter an archive description that does not contain wildcard characters.

FMV1905E There was a NetWare SMS error processing '*filespace-name path-namefile-name***': *error-text***

Explanation: TSM received an unexpected error from the Novell SMS interface.

System action: The object is skipped. Processing continues.

User response: Check the Novell web site for any additional information about the error, as a fix might already be available. Contact Novell technical support for further assistance.

FMV1906I Destination must be specified for this operation when using FROMNODE.

Explanation: You must specify a destination with a Restore/Retrieve command when using FROMNODE processing.

System action: Processing stops.

User response: Retry the Restore/Retrieve command with a destination specified.

For example, with the Windows backup-archive client:

```
restore -fromnode=cougar \\cougar\d$\projx\* d:\projx\
```

Or, with the UNIX and Linux backup-archive clients:

```
restore -fromn=node1 -fromo=ann "/home/proj/*" /home/gillis/
```

FMV1907E An error occurred while trying to perform an object merge operation on the server.

Explanation: For NetWare clients: The TSM server is unable to perform a NetWare long name conversion. For Unix or Windows image backup: The group used to store associated image components could not be closed.

System action: The operation ends.

User response: For NetWare: It is possible that a more current level of the TSM server can perform the conversion. Contact your TSM server administrator for

assistance. For Unix or Windows: This error indicates an authorization problem. Contact your TSM server administrator for assistance. If the problem still cannot be resolved, contact IBM technical support for further assistance.

FMV1908I The scheduled command completed successfully.

Explanation: The scheduled command completed with return code of zero, which is interpreted as success.

System action: The scheduled event is successful. The result code for the event is 0.

User response: None.

FMV1909E The scheduled command failed.

Explanation: The scheduled command completed with a non-zero return code, which is interpreted as failure.

System action: The scheduled event is failed. The result code for the event is 12.

User response: Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV1912E An invalid registry hive was specified.

Explanation: The specified registry hive is invalid.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1913E An invalid registry subkey was specified.

Explanation: The specified registry subkey is invalid.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1914E The specified subkey isn't valid for the specified hive.

Explanation: The specified registry subkey is invalid for the specified registry hive.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1915E Too many arguments specified for the BACKUP REGISTRY command.

Explanation: Too many arguments were specified for the BACKUP REGISTRY command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1916E Too many arguments specified for the RESTORE REGISTRY command.

Explanation: Too many arguments were specified for the RESTORE REGISTRY command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1917E Too few arguments specified for the BACKUP REGISTRY command.

Explanation: Too few arguments were specified for the BACKUP REGISTRY command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1918E Too few arguments specified for the RESTORE REGISTRY command.

Explanation: Too few arguments were specified for the RESTORE REGISTRY command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1919E The specified eventlog is not valid.

Explanation: The specified eventlog is not valid.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1920E Too many arguments specified for the BACKUP EVENTLOG command.

Explanation: Too many arguments were specified for the BACKUP EVENTLOG command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1921E Too many arguments specified for the RESTORE EVENTLOG command.

Explanation: Too many arguments were specified for the RESTORE EVENTLOG command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1922E Too few arguments specified for the BACKUP EVENTLOG command.

Explanation: Too few arguments were specified for the BACKUP EVENTLOG command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1923E Too few arguments specified for the RESTORE EVENTLOG command.

Explanation: Too few arguments were specified for the RESTORE EVENTLOG command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1924E The specified system object is not valid.

Explanation: The specified system object is not valid.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1925E The specified system object type is not valid.

Explanation: The specified system object type is not valid.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1926E The specified system object type is only valid on Windows NT.

Explanation: The specified system object type is only valid on Windows NT.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1928E Server-initiated sessions are not available in the LAN-free mode.

Explanation: Conflicting options SESSIONINIT=serveronly and ENABLELANFREE=yes were specified. This combination is not allowed.

System action: Processing stops.

User response: Use client-initiated sessions or disable LAN-free.

FMV1929E An error occurred saving the registry key.

Explanation: The active registry key cannot be copied to the ADSM.SYS staging directory.

System action: The registry backup operation stops.

User response: Check the space available on the Windows boot partition to ensure there is room to contain a copy of the Windows registry. This might require several megabytes of free space. Also check the Windows permissions on the ADSM.SYS staging directory and ensure that the Windows user which you are using to run TSM has full access to that directory and its contents.

FMV1930W TSM Express client view not supported with a TSM Enterprise server. CLIENTVIEW option ignored.

Explanation: The TSM Express® client view is only supported when going to a TSM Express server. When a TSM Express client connects to a TSM Enterprise server, the CLIENTVIEW option is ignored, and the TSM Standard client view is displayed instead.

System action: The CLIENTVIEW option is ignored and the TSM Enterprise client view is displayed.

User response: If you intend to use the TSM Enterprise server, then update your CLIENTVIEW option to a value of STANDARD. Otherwise, update your TCPSERVERADDRESS option to point to your TSM Express server.

FMV1931E An error saving one or more eventlogs.

Explanation: An error occurred saving one or more eventlogs.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1932E An error occurred replacing one or more registry keys.

Explanation: The registry key or keys being replaced are exclusively held by another process. The registry

keys were previously restored but the system was not restarted.

System action: processing stops.

User response: This error occurs because the registry key or keys being replaced are exclusively held by another process. This can happen if the registry keys were previously restored but the system was not rebooted. Reboot the system and attempt the restore operation again.

FMV1933E Error accessing file or device '*name*'.

Explanation: An error has occurred while accessing the file or device.

System action: Backup set operation is not completed.

User response: Verify that the file or device exists and is accessible.

FMV1934E Backup set '*name*' not found.

Explanation: The backup set name was not found on the server.

System action: The backup set operation is not processed.

User response: Verify that the backup set name is correct.

FMV1935E Too many arguments specified for the BACKUP NTDS command.

Explanation: Too many arguments were specified for the BACKUP NTDS command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1936E Not enough arguments specified for the BACKUP NTDS command.

Explanation: Not enough arguments were specified for the BACKUP NTDS command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1937E No NTDS server name specified for the BACKUP NTDS command.

Explanation: No NTDS server name was specified for the BACKUP NTDS command.

System action: Processing stopped.

User response: Specify NTDS server name at the command and retry the operation.

FMV1938E NT Active Directory is not supported in this OS level.

Explanation: NT Active Directory is not supported in this OS level.

System action: Processing stopped.

User response: Install Active Directory before performing backup operation.

FMV1939E File Replication Service backup failed.

Explanation: IBM Tivoli Storage Manager encountered an error while backing up files under control of the Windows 2000 File Replication Service

System action: Processing stopped.

User response: Examine the Windows 2000 File Replication Service Event log to insure the File Replication Service is operating properly. Restart the service and retry the backup operation.

FMV1940E File Replication Service restore failed.

Explanation: IBM Tivoli Storage Manager encountered an error while restoring files under control of the Windows 2000 File Replication Service

System action: Processing stopped.

User response: Examine the Windows 2000 File Replication Service Event log to insure the File Replication Service is operating properly. Restart the service and retry the restore operation.

FMV1941E System Volume backup failed.

Explanation: IBM Tivoli Storage Manager encountered an error while backing up files of the Windows 2000 System Volume

System action: Processing stopped.

User response: Examine the Windows 2000 File Replication Service Event log to insure the system volume was successfully initialized. Restart the service and retry the backup operation

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FMV1942E System Volume restore failed.

Explanation: IBM Tivoli Storage Manager encountered an error while restoring files under control of the Windows 2000 File Replication Service

System action: Processing stopped.

User response: Examine the Windows 2000 File Replication Service Event log to insure the system volume was successfully initialized. Restart the service and retry the restore operation.

FMV1943E The operation is not supported: Downlevel server version.

Explanation: The operation cannot be performed because server version is downlevel.

System action: Processing stopped.

User response: Use correct server version.

FMV1944E Error accessing file or device.

Explanation: An error has occurred while accessing the file or device.

System action: Backup set operation is not completed.

User response: Verify that the file or device exists and is accessible.

FMV1945E The long namespace has been removed from the local filespace. If you wish to proceed with the backup/archive operation, rename your filespace on the server.

Explanation: TSM has detected that the server namespace is NTW:LONG, but the local volume does not have long name support. If you would like to back up the volume using the short names, rename the filespace on the server. If you would like to back up using long names, add the long namespace support back to the volume in question.

System action: Processing stopped.

User response: Add the long namespace support to the volume or rename(remove) the corresponding server filespace.

FMV1946W File exists, skipping

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

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

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

FMV1947W The following directory exists and is skipped: *file-space_name directory_path directory_name*

Explanation: The client tried to restore or retrieve the specified directory. The directory exists in the target restore location and the user chose not to replace the existing directory.

The directory can be skipped because the option REPLACE=NO is set, which causes all existing files and directories to be skipped. The directory can be skipped because option REPLACE=PROMPT is set, and the user chooses to skip this directory when prompted.

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

User response: No additional action is necessary.

To replace the files, try the operation again and set option REPLACE=ALL. You can set REPLACE=PROMPT and when prompted, choose to replace the directory.

FMV1948E The Microsoft volume shadow copy system components could not be queried.

Explanation: IBM Tivoli Storage Manager encountered an error while querying the system writers under control of the Windows volume shadow copy service. The TSM error log and Windows event log might contain additional information about this error.

System action: Processing stops.

User response: Try the operation again. If the error persists, review the TSM error log and Windows event log for information related to this error. You might need to restart the volume shadow copy service, then try the operation again. It might be necessary to reboot the machine to clear the volume shadow copy error state.

FMV1949E Microsoft volume shadow copy snapshot initialization failed.

Explanation: IBM Tivoli Storage Manager encountered an error while initializing the Microsoft Volume Shadow Copy Service for backup or restore. The TSM error log and Windows event log can contain additional information about this error.

System action: processing stops.

User response: Try the operation again. If the error persists, review the TSM error log and Windows event log for information related to this error. Use the Windows command VSSADMIN LIST WRITERS to determine the status of the Volume Shadow Copy service. You can reboot the machine to clear the volume shadow copy error state. If the system is a Domain Controller and the Active Directory service is stopped,

restarting the Active Directory service will resolve the issue.

FMV1950E Backup using Microsoft volume shadow copy failed.

Explanation: IBM Tivoli Storage Manager encountered an error while performing a backup operation using the Microsoft volume shadow copy service. The TSM error log and Windows event log might contain additional information about this error.

System action: processing stops.

User response: Review the TSM error log and Windows event log for information related to this error. Restart any failing system service indicated in the Windows event log. Restart the volume shadow copy Service. You can use the Windows command VSSADMIN LIST WRITERS to determine the status of the volume shadow copy service. It might be necessary to reboot the machine to clear the Volume Shadow Copy error state.

FMV1951E Restore using Microsoft volume shadow copy failed.

Explanation: IBM Tivoli Storage Manager encountered an error while restoring with the Microsoft Volume Shadow Copy Service.

System action: processing stops.

User response: Review the TSM error log and Windows event log for information related to this error. Restart any failing system service indicated in the Windows event log. Restart the volume shadow copy Service. You can use the Windows command VSSADMIN LIST WRITERS to determine the status of the volume shadow copy service. It might be necessary to reboot the machine to clear the Volume Shadow Copy error state.

FMV1952E Invalid symbolic link destination '*file-name*' entered

Explanation: You entered a restore/retrieve destination *file-name* specification that is a symbolic link. To restore to symbolic link, make sure you set the followsymbolic option to yes. Also, check where this symbolic link points. You can restore/retrieve to a symbolic link that points to an existing object.

System action: Processing stopped.

User response: Enter a correct file specification.

FMV1954E Backup processing of '*file-space name*' finished with failures.

Explanation: This message indicates that the file system backup has completed, but encountered errors during backup processing.

System action: Processing continues.

User response: Examine the client error log for additional messages related to errors in backing up the file system. Take any corrective action as suggested by the messages.

FMV1956E Too few arguments specified for the BACKUP GROUP command.

Explanation: Too few arguments were specified for the BACKUP GROUP command.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1957E Showmembers and inactive are mutually exclusive parameters on a query.

Explanation: Showmembers and inactive are mutually exclusive parameters on a query.

System action: Processing terminates.

User response: Specify one of the mutually exclusive parameters on the query

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FMV1958W No base group found, attempting a full backup.

Explanation: A differential backup requires a previous full backup to have been performed.

System action: Processing continues, and a full backup is attempted.

User response: None. Perform a full backup before attempting a differential backup

---

FMV1959I Removing previous incomplete group '*name*' Id:*hi-lo*

Explanation: A previous group backup failed without cleaning up the temporary groups correctly.

System action: The previous incomplete groups are removed and processing continues.

User response: None.

FMV1960I Contacting the WebSphere *component-name*. This step could take a few minutes...

Explanation: The application needs to contact the WebSphere component to obtain configuration information.

System action: Processing continues

User response: None.

FMV1961E Could not detect any installation of the WebSphere Deployment Manager or Application Server.

Explanation: The application could not detect a supported WebSphere component installed. At this time, only the WebSphere Deployment Manager and Application Server are supported.

System action: Processing stops

User response: Verify that the intended WebSphere component is installed on this machine, and retry the operation.

FMV1962E Operation Failed.

Explanation: The attempted operation on the WebSphere component failed.

System action: Processing stops

User response: Check the error log for more details.

FMV1963E WAS Filesweep failed for filespec '*name*'

Explanation: Could not obtain the list of files to be backed up for the indicated filespec

System action: Processing stops

User response: Verify that the process has access to the indicated filespec and retry the operation.

FMV1964E A failure occurred while contacting the WebSphere *component-name*.

Explanation: The attempted operation on the WebSphere component failed.

System action: Processing stops

User response: Check the error log for more details.

FMV1971E The remote client agent (dsmagent) could not be started.

Explanation: The remote client agent cannot be started. This error message is usually preceded or followed by other messages.

System action: Processing is stopped.

User response: Check the error log for any other messages that might indicate a reason for the failure. Verify that the web client is installed correctly. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1972E The connection to the remote client agent (dsmagent) failed. Either the port number could not be read, or the port number is invalid.

Explanation: An error occurred when trying to read the port number. A connection to the remote client agent cannot be made.

System action: Processing stopped.

User response: Check the error log for any other messages that might indicate a reason for the failure. Verify that the web client is installed correctly. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV1973I VSS writer for system object '*name*' does not exist. Restore skipped.

Explanation: Microsoft Volume Shadow Copy Service does not detect a writer for this system component. Either the component is not installed or is not running..

System action: Object skipped.

User response: Install or enable the affected system service and retry the operation.

FMV1974W Error removing previous incomplete group Id:*hi-lo*

Explanation: A previous group backup failed without cleaning up the temporary groups correctly, and the error still can not be cleaned up.

System action: The previous incomplete groups remain and processing continues.

User response: None.

FMV1975W TSM server error *reason* occurred closing and renaming the group

Explanation: An error was encountered closing and renaming the temporary group.

System action: The backup is unsuccessful.

User response: Ensure that the user has the proper authority to update the group and try the operation again.

FMV1976E The specified system service is not valid.

Explanation: The specified system service is not valid.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV1977E Dsmcad schedule invocation was unsuccessful. This command will be tried again in 10 minutes.

Explanation: Dsmcad was unable to get the valid scheduler information from the dsmc schedule process. This could be due to some problems during the scheduler initialization, such as incorrect option usage.

System action: Dsmcad will try to invoke the scheduler again in 10 minutes in order to get the valid information.

User response: Check the console and error logs to determine what kind of error occurred during the dsmc process and correct the problem.

FMV1978E The TSM server is downlevel and does not support the requested function. See error log for version information.

Explanation: The function being used requires a more current TSM Server.

System action: The operation fails.

User response: Upgrade your TSM Server to a level that supports this function. See error log for version information.

FMV1979E The TSM Storage Agent is downlevel and does not support the requested function. See error log for version information.

Explanation: The function being used requires a more current TSM Storage Agent.

System action: The operation fails.

User response: Upgrade your TSM Storage Agent to a level that supports this function. See error log for version information.

FMV1980E The TSM Server and TSM Storage agent are downlevel and do not support the requested function. See error log for version information.

Explanation: The function being used requires a more current TSM Server and TSM Storage agent

System action: The operation fails.

User response: Upgrade your TSM Server and TSM Storage agent to a level that supports this function. See error log for version information.

FMV1981E Server :Version *ver*, **Release** *rel*, **Level** *lev.subl* **Storage Agent:Version** *SAver*, **Release** *SArel*, **Level** *SAlev.SAsubl*

Explanation: This message supplies extra detail to downlevel messages.

System action: The operation fails.

User response: This message supplies extra detail to downlevel messages.

FMV1986E Initialization functions cannot open the trace file specified.

Explanation: The file "*tracefile-name* could not be opened during initialization. The specified path may be incorrect. It is also possible that the current user does not have permission to write to the tracefile in the directory specified. It is also possible that no space is available at the given tracefile location.

System action: Processing terminates.

User response: Make sure the tracefile option points to a valid path and that the user has proper permissions to write to the file specified.

FMV1987E A destination file specification is not allowed with this command.

Explanation: Of all the system object restore commands only RESTORE ASR allows the entry of a destination file specification.

System action: Processing stopped.

User response: Re-issue the command without a destination file specification.

FMV1988W No filespaces are selected for preview.

Explanation: You requested a preview operation without selecting a client filespace.

System action: TSM cannot perform a preview without a filespace selected.

User response: Select the volumes you want to preview and retry the operation.

FMV1989E Initialization functions cannot open the Error Log file specified.

Explanation: The Error Log file could not be opened during initialization. The specified path may be incorrect. It is also possible that the current user does not have permission to write to the logfile in the directory specified. It is also possible that no space is available at the given logfile location.

System action: Processing terminates.

User response: Make sure the logfile option points to a valid path and that the user has proper permissions to write to the file specified.

FMV1990W The '*filesystem name*' volume mount point can not be accessed. The TSM return code is '*rc*'.

Explanation: The client is unable to access volume mount point. The common reasons for this are that the account under which the client is running does not have access to the volume mount point, or the volume is mounted onto a cluster volume which is currently not available.

System action: The inaccessible mount point is skipped and processing continues. with the next mount point or volume.

User response: Check the error log for additional messages that might yield additional information about the problem that prevents access to the volume mount point. Ensure that the TSM client is running under an account which as access to the volume mount point. Ensure that the mount point is not accessing a clustered volume. Please refer to Microsoft KB Article 280297 for more information about how to configure volume mount points on a clustered server.

FMV1991E An error occurred processing registry key '*key-name*', data value '*value-name*'. See the client error log for additional information about this error.

Explanation: An unexpected error occurred when the client tried to read or update the Windows registry. Additional information regarding the error is usually placed in the error log.

System action: The operation might not execute correctly, depending on the error.

User response: Check the client error log for any other messages that might have been logged when this message was written, and take any corrective action suggested by those messages. If the problem persists, contact IBM support for further assistance.

FMV1995W Objects of different types cannot be deleted at the same time.

Explanation: Deleting objects of different types is not allowed. For example, deleting Backup Sets and regular file objects at the same time is not possible.

System action: No processing takes place.

User response: Select objects of the same type to perform delete operation.

FMV1996W The volume mount points enumeration on '*filesystem name*' volume failed. Windows system error code: *error*; reason: '*error-reason*'.

Explanation: The client was unable to scan the specified volume for volume mount points. The error information captured indicates the reason for the failure. A common reason is that the account under which the client is running does not have access to the volume.

System action: The processing continues with the next volume.

User response: Ensure that the client is running under an account which has access to the volume and volume mount points. Correct the condition causing the error and try the operation again. If the problem persists, contact your system administrator or TSM administrator for further help.

FMV1997W No files have been previously backed up for the VSS component '*component-name*'.

Explanation: You tried to restore the Microsoft Volume Shadow Copy (VSS) System State component which does not contain file data. This is not necessarily a problem.

System action: Processing continues.

User response: Check the error log for any other messages that occurred during backup. The logs can indicate a reason for the failure.

FMV1998W Transaction byte limit '*name*' is not supported by the server. Value reset to *limit*

Explanation: The TXNBYTELIMIT is larger than the server supports. The value will be reset to a supported limit.

System action: TXNBYTELIMIT is reset, and processing continues.

User response: Set the option to a value supported by the server.

FMV1999E *type of the operation* processing of '*filespace-name*' stopped.

Explanation: The client has encountered a condition where it can not continue processing the specified file space. The TSM client error log or schedule log should contain additional messages related to this error.

System action: Processing stops.

User response: Check the TSM client error log and schedule log for any additional messages related to this error. Take any corrective action that might be suggested by the related messages, then try the operation again. If the problem persists, contact your TSM administrator for further assistance.

FMV2000I Unable to convert file names because MEMORYEFficientbackup option is ON.

Explanation: TSM has detected that a local name space change has occurred on the volume that is currently being backed up. TSM would convert the file names to the new name space, but cannot because the option MEMORYEFficientbackup, is on.

System action: TSM continues to backup using the old name space.

User response: Edit the dsm.opt file, and set MEMORYEFficientbackup to OFF.

FMV2025E Login failed to NetWare file server '*server-name*'.

Explanation: TSM cannot establish an authorized connection to the Netware file server through NDS. Connection numbers might be exhausted.

System action: Processing stopped.

User response: Messages FMV1874E, FMV1876E and FMV2025E can all be issued due to related problems. These problems might include: 1) The NetWare server has an insufficient number of NetWare user licenses. 2) The NetWare license files are corrupt. The NetWare license files can be reinstalled. 3) A NetWare typeful name is not being provided at the NetWare User prompt. 4) The TSM password file is corrupt. In this situation, quit all TSM processes, delete or move the *.PWD files that are located in the TSM installation directory, then load dsmc and run the following commands: QUERY SESSION QUERY TSA QUERY TSA NDS.

FMV2026W Bad sectors were detected on the volume '*volname*'.

Explanation: Bad sectors are skipped during image backup/restore operations.

System action: Processing continues.

User response: Make sure the volume data is not corrupt by using system tools like chkdsk (Windows) or fsck (Unix).

FMV2032I The client VM restore is skipping the unsupported Independent disk : *vmdk*

Explanation: The VMware vStorage APIs do not support snapshoting Independent disks, no backups were created.

System action: Processing continues.

User response: None.

FMV2033I The client VM restore is skipping the unsupported physical Raw Device Mapping (pRDM) disk : *vmdk*

Explanation: The VMware vStorage APIs do not support snapshoting physical Raw Device Mapping (pRDM) disks, no backups were created.

System action: Processing continues.

User response: None.

FMV2034I The virtual machine backup is skipping the unsupported physical Raw Device Mapping (pRDM) disk : *vmdk*

Explanation: The VMware vStorage APIs do not support snapshoting physical Raw Device Mapping (pRDM) disks, backups are not possible.

System action: Processing continues.

User response: None.

FMV2035I The virtual machine backup is skipping the unsupported Independent disk : *vmdk*

Explanation: The VMware vStorage APIs do not support snapshoting Independent disks, backups are not possible.

System action: Processing continues.

User response: None.

FMV2036W Pruning functions cannot open one of the Tivoli Storage Manager prune files: *log-name*. errno = *errno-value*,

Explanation: The file "*log-name* could not be opened during pruning. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another Tivoli Storage Manager process started by different user id is performing pruning at the same time.

System action: Pruning stops, processing continues.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

FMV2037W Schedule log pruning failed.

Explanation: The schedule log pruning function completed with errors.

System action: Processing continues.

User response: Check error log for possible reasons of failure.

FMV2038W Invalid option '*option-name*' received from the TSM server client options set.

Explanation: The client received an invalid option from the TSM server's client option set. Although most syntax checking for client option set options is done by the server, there are still errors that can only be detected by the client. These errors include:

- Option value is not correct.
- Options that have been retired by newer versions of the TSM client.
- Missing brackets or directory delimiters.
- Include and exclude patterns that are too complex.

System action: The option is ignored by the TSM client.

User response: Contact the TSM server administrator to determine if the option can be removed from the client option set.

FMV2039E Invalid destination file specification '*file-name*' entered

Explanation: The destination file specification must end with directory delimiter when performing a file list restore, or when the restore specification is for more than one file, or when the option SUBDIR YES is in effect.

System action: Processing stopped.

User response: Specify a destination that ends with directory delimiter.

FMV2040E While attempting to communicate with the remote client, a version check reveals that the versions do not match.

Explanation: During initialization between the local client and the remote client, version checking reveals that the versions do not match. This is usually the result of an upgrade of one client module without upgrading other client modules that are part of product solution.

System action: The calling procedure returns and control is passed back the user.

User response: Check the versions of all TSM Client products that communicate with each other and ensure that they are all at the same version, release, and level.

FMV2041E Snapshot Differencing support is not available on the specified NetApp filer.

Explanation: Incremental by snapshot difference backup cannot be performed because required support on the specified NetApp filer is not availble. .

System action: Processing terminates.

User response: None.

FMV2042W '*symboliclink*':is a symbolic link to a file or directory in another filesytem. ACLs or extended attributes might not be backed up.

Explanation: The backup or archive operand contains a symbolic link to a file or directory in another file system. Processing may lead to loss of ACLs or other extended attributes because they might not be processed.

System action: The file data is backed up. Processing continues with the next object.

User response: If you need to ensure that ACLs and other extended attributes are backed up successfully, do not use symbolic links to back up files on other file systems of different file system types. Instead use TSM to process the other file system directly.

FMV2043I The virtual machine template '*name*' has already been backed up.

Explanation: Virtual machine templates are skipped if no change has occurred since the last backup.

System action: Processing skips this virtual machine template.

User response: To back up this virtual machine template, run an incremental forever full backup operation.

FMV2044E The template virtual machine '*name*' cannot be restored when the Tivoli Storage Manager data mover node on the vStorage Backup Server is connected directly to an ESX/ESXi host.

Explanation: The VMware vStorage API do not support template virtaul machine operations when connected directly to an ESX/ESXi host.

System action: Processing stops for this template virtual machine

User response: Virtual machine template operations are supported when the IBM Tivoli Storage Manager data mover node connects directly to a ESX/ESXi host. Modify the VMCHOST to connect the TSM data mover to a vCenter Server.

FMV2045E The VMENABLETEMPLATEBACKUPS option is not specified. The virtual machine template '*name*' can not be backed up.

Explanation: The VMENABLETEMPLATEBACKUPS template option must specify YES in order for a virtual machine template to be included in a backup operation. The default value is NO.

System action: Processing stops for this template virtual machine

User response: Use the option -vmenabletemplatebackups=yes and run the operation again.

FMV2046S **Error '*errtxt*' (errno=*errno*) occurred trying to write to audit log '*file-name*'. The audit log function is disabled.**

Explanation: There was an error encountered writing to the audit log (for example, there is not enough space on the disk).

System action: Audit logging is disabled for the rest of the operation. The return code for the operation is set to 12 to indicate that the contents of the audit log are incomplete.

User response: If this is an out of space condition either free up space on the volume or try to write the audit log to a volume with more space.

FMV2047E **An unexpected error was encountered processing a system state/services request. TSM function name :** *function-name* **TSM function :** *function-desc* **TSM return code :** *TSM-rc* **TSM explanation :** *TSM-msg* **TSM file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing the system state stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV2048W **Named stream of object '*object-namepath-name file-name*' is corrupt.**

Explanation: One or more of the file's named streams are corrupt.

System action: The named stream is not restored/retrieved.

User response: The backup copy of the named stream is damaged. The file is restored to as great an extent as possible, but the file should be examined to verify that it is usable.

FMV2049W **Named stream of object '*object-name*' may be corrupt.**

Explanation: One or more of the file's named streams may be corrupt.

System action: The named stream is restored/retrieved to as great an extent as possible.

User response: The backup copy of the named stream may be damaged. The file is restored to as great an extent as possible, but the file should be examined to verify that it is usable.

FMV2050E **TSM needs to prompt for the password but cannot prompt because the process is running in the background.**

Explanation: If PASSWORDACCESS=PROMPT or if the password that is stored locally is incorrect, TSM attempts to prompt the user for the password. The attempt to prompt the user fails because TSM is running in the background. When a process is running in the background, prompting is not allowed.

System action: Processing stopped.

User response: If RUNASSERVICE=YES, do not set PASSWORDACCESS=PROMPT. Use PASSWORDACCESS=GENERATE.

FMV2051W **The local snapshot repository was not found on** *location***.**

Explanation: The specified directory for the local snapshot location does not exist.

System action: Processing continues.

User response: A new local snapshot repository will be build in the specified directory.

FMV2052E **Information about the disk subsystem is missing.**

Explanation: The local snapshot repository could not be initialized due to missing information about the disk subsystem.

System action: Processing stops.

User response: The application ensures that the disk subsystem is initialized properly. Check for preceding error messages.

FMV2053E **A memory allocation error has occurred in file** *filename***, line number** *linenumber***.**

Explanation: Enough memory was not available to continue processing.

System action: Processing ends.

User response: Ensure that your system has sufficient real and virtual memory. Close unnecessary applications.

FMV2054E **Operating system error** *errno***:** *messagetext***.**

Explanation: The application encountered an unexpected message error during the execution of a system function. The respective operating system error and message text will be displayed.

System action: Processing stops.

User response: Check the specific error message.

FMV2055I The local snapshot manager could not be locked.

Explanation: The local repository is locked by another application. This process will proceed when the other application unlock the local repository.

System action: Processing continues.

User response: None.

FMV2056I Waiting maximal *timeout* seconds until the lock is released by the other application.

Explanation: While the local repository is locked by another application, the program will wait a specific period of time to proceed. For example, in the mySAP environment, the wait period is 1 hour.

System action: Processing continues.

User response: None.

FMV2057E Local snapshot manager not initialized.

Explanation: The local snapshot repository was used without previous initialization.

System action: Processing ends.

User response: The system normally ensures that the local repository is initialized. Check for preceding error messages.

FMV2058E The data container with ID *dcID* could not be updated in the local repository.

Explanation: During a FlashCopy backup the target set record in the local repository is updated with the correspondent properties. A failure occurred during that process.

System action: Processing ends.

User response: Check for preceding error messages like memory allocation error or other system error.

FMV2059E Cannot find a target data container that match with the source data container.

Explanation: During a snapshot type backup or hardware function, TSM tries to find a target data container that match to the source data container to satisfy the operation. A matching target data container could not be found.

System action: Processing ends.

User response: See the rules for select one of multiple target data containers. For example, this message will be displayed if the user is trying to start a FlashCopy backup of type 'INCR' and all the target sets are being used for the FlashCopy type 'COPY'. Make sure also that the target volumes are available to the backup system and the syntax is correct for the following setup file parameters: 1. shark_target_volume 2. shark_copy_service_code 3. java_home_directory 4. primary_copyservices_servername 5. shark_username 6. shark_password

FMV2060W Cannot find a volume in the target data container *dcID* to match with the source *srcvol*.

Explanation: This warning message indicates that for the specific source not any target volume could be found in this target data container that matches for a FlashCopy operation. If multiple target data containers are being used, the processing will continue checking the volumes of the next target data container.

System action: Processing continues.

User response: None.

FMV2061W The target data container with ID *dcid* was not found in the local repository.

Explanation: An inquire of the data container with the specified ID could not be satisfied because that target set does not exists in the local repository.

System action: Processing may continue.

User response: The application that is requesting the inquire will decide whether or not the error should end the program. Check for following messages.

FMV2062W Could not find a target data container in the state *state* to fulfill the requested criteria.

Explanation: A data container in the specified state was not found in the local repository to satisfy specific criteria requested by the application.

System action: Processing may continue.

User response: Which criteria have been passed is application specific. Check for following messages. The application will decide whether or not that warning should end the program.

FMV2063W The local snapshot repository already exists on the directory *location*.

Explanation: An application tried to create the local repository in a directory that already exists.

System action: Processing may continue.

User response: The application will decide whether or not that warning should end the program. Check for following messages.

FMV2064I **The local snapshot repository will be created on the directory** *location***.**

Explanation: The local snapshot repository containing information about the state of the data containers is being created.

System action: Processing continues.

User response: None.

FMV2065I **The local snapshot repository could not be created on the directory** *location***.**

Explanation: A failure occurred creating the local snapshot repository.

System action: Processing ends.

User response: Look for a operating system error message.

FMV2066E **Cannot read the .fct file** *filename***.**

Explanation: The .fct file containing the target data containers was not found or is not accessible.

System action: Processing ends.

User response: Check the name, the path and the right of the file.

FMV2067E **The exception CLsmException was thrown. Reason:** *txt***.**

Explanation: An unexpected error occurred processing a function of the local snapshot repository.

System action: Processing ends.

User response: Check the specific reason.

FMV2068E **No target LUNs were found for the data container** *dcID* **in the .fct file** *filename***.**

Explanation: The program will search in the .fct file for each specific data container a list of entries with the label <PREFIX>TARGET_VOLUME where the prefix depends on the hardware type. Either you have a wrong label for the target volumes of the specified data container or this data container in the .fct file does not have any target LUNs.

System action: Processing ends.

User response: This error can only occurred if the application does not have a GUI where the user provides the input of the target data containers and the format will automatically be checked. If so, please check the format of the .fct file.

FMV2069E **Cannot read the file** *filename* **of the local snapshot repository.**

Explanation: The system keeps some information about the state of the data containers locally in a file. This file was not found or is not accessible.

System action: Processing ends.

User response: Check the name, the path and the right of the file.

FMV2070E **The repository state file** *filename* **is empty or has a wrong format.**

Explanation: The system keeps some information about the state of the data containers locally in a file. This file was found but the expected format of the data in not correct.

System action: Processing ends.

User response: Normally the system ensures that the format of this file is correct. Check for preceding error.

FMV2071E **The data container** *dcID* **could not be inserted in the local snapshot repository.**

Explanation: The system keeps some information about the state of the data containers locally in a file. Inserting an entry for a new data container occurred an error.

System action: Processing ends.

User response: This is an unexpected error. Check for preceding error. If not any other error can be seen, collect the logs and traces and contact the support.

FMV2072E **An unexpected error was encountered processing a TSM operation using a hardware or snapshot function. TSM function name :** *function-name* **TSM function :** *function-desc* **TSM return code :** *TSM-rc* **TSM file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV2073E **The file** *filename* **of the local snapshot repository could not be opened for writing.**

Explanation: The system keeps some information about the state of the data containers in the local snapshot repository. Opening a file of this repository occurred an error.

System action: Processing ends.

User response: Check the rights permission of that file.

FMV2074E **Cannot open user input FlashCopy target file '*fct_file*'.**

Explanation: The FlashCopy target file that the user provided cannot be read.

System action: The operation fails.

User response: Run the client configuration utility and provide a valid FlashCopy target user input file.

FMV2075E **There is no VTOC data available for the volume. The volume cannot be backed up.**

Explanation: The volume disk label type is not VTOC. It is possible that your disk is formatted with an EFI label. The TSM client on Solaris currently supports only VTOC disk labels.

System action: The volume is not backed up.

User response: Do not attempt to backup volumes formatted with a non-VTOC disk label.

FMV2076E *program-name*: **Space Managment can not be added for file system '*filesystem*' The length of the file system name exceeds the maximum length of '*maxlength*' which can be stored in a DMAPI attribute.**

Explanation: The DMAPI has a limitation in the size of data that can be stored in a DMAPI attribute. If the lenght of the file system name exceeds this limit the TSM client can not add space management to the file system.

System action: Space management cannot be added to file system.

User response: Please make sure that the length of the file system name does not exceed the DMAPI limit.

FMV2077E *program-name*: **Reconcile for file system '*filesystem*' can not be started for the selected mode in a non-scout environment. Please use Two Way Orphan Check Reconcile instead.**

Explanation: The TSM client reconciliation program can not be started in orphan check or stub restore mode when the HSM system is configured to run without the scout daemon.

System action: Reconcile can not run in a non scout environment.

User response: If you have configured a non scout environment you need to use the Two Way Orphan Check Reconcile.

FMV2078E **System state backup is not allowed CLUSTERNODE is set to YES.**

Explanation: When the CLUSTERNODE option is set to YES, the backup systemstate command is not valid.

System action: System state backup is stopped.

User response: If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the backup-archive client manual for further information about configuring the client to run in a cluster environment.

FMV2079E **Error processing '*filespace namepath-namefile-name*': error scanning snapshot**

Explanation: This message is issued when the TSM client is unable to read data from a snapshot used for the backup. If you are performing the Microsoft Volume Shadowcopy Service (VSS) snapshot backup one possible cause is that the operating system deleted a VSS snapshot because the shadow copy storage could not grow. If you are performing the snapshot difference incremental backup on normal NetApp/N-Series volumes one possible cause is that the base snapshot was accidentally removed from the NetApp file server.

System action: Backup processing for the file system stops.

User response: If you were performing VSS snapshot-based backup, examine the client error log and the Microsoft Windows system event log for any other messages that might help identify the problem. If there are no obvious reasons for the failure, try the operation again,the problem might be caused by temporary I/O conflicts between VSS and other system disk I/O activities. If you were performing snapshot difference incremental backup, contact your Tivoli Storage Manager administrator to verify that base snapshot was not accidentally deleted.

FMV2080W **The value '*option*' for the option '*option*' is no longer supported and will be ignored by TSM client in this release.**

Explanation: The specified option value is in the process of being made obsolete and will be ignored by the client in this release. This option value will be removed in the next release and will no longer be valid.

System action: Processing continues.

User response: Update the option value or remove the option from the option file. Also check the documentation to see if this option has been replaced by a newer option.

FMV2083W No vApps that match the input specification were found.

Explanation: A vApp that matches the specified input or the VAPP value in the DOMAIN.VCD option was not found.

System action: The operation is stopped

User response: Make sure the the VAPP value in the DOMAIN.VCD option is correct.

FMV2084I Creating a new vApp

Explanation: The estore is attempting to create the destination vApp.

System action: This message is for informational purposes only.

User response: No action is required.

FMV2085E The virtual machine is configured as a fault tolerant virtual machine. As a result, it cannot be backed up.

Explanation: vSphere does not allow for the snapshot or backup of fault tolerant virtual machines with vStorage API for Data Protection.

System action: The virtual machine is not backed up.

User response: To back up a fault tolerant virtual machine with vStorage API for Data Protection, first disable fault tolerant. Then, after the backup completes, enable fault tolerant.

FMV2087I '*vApp name***' does not contain VMs.**

Explanation: The specified vApp does not contain any VMs.

System action: Back up of the specified vApp completes. Processing continues to the next vApp.

User response: No response is required.

FMV2088E Session rejected: The client does not use unicode.

Explanation: The server cannot accept the client session because the client does not use unicode and the node already contains a unicode filespace. The server records whether or not the client's data is unicode, and does not let the node change this attribute.

System action: Processing stops.

User response: Logon to the server from a client with a platform that uses unicode data. For example, the original platform that was used to create the existing filespaces for this node. Alternatively, if the client node needs to change to the platform that is currently being attempted, contact the server administrator to remove the existing filespaces that contain unicode data and try the node connection again.

FMV2089I The specified vApps do not contain VMs.

Explanation: None of the specified vApps contain any VMs.

System action: Backup processing is skipped. The operation is complete.

User response: No response is required.

FMV2090I The virtual machine folder could not be found in this path: '*name***'.**

Explanation: The destination target does not have the original inventory path that was saved with the virtual machine. As a result, the virtual machine is restored to the top level of the ESX/ESXi inventory.

System action: Processing continues

User response: None

FMV2091I The virtual machine resource could not be found in this path: '*name***'.**

Explanation: The destination target does not have the original resource path that was saved with the virtual machine. As a result, the virtual machine is restored to the top level of the ESX/ESXi inventory.

System action: Processing continues

User response: None

FMV2092I The restore process will override the original inventory path that was saved with this virtual machine.

Explanation: Specifying the -datacenter or -host option will override the original inventory path that was saved with the virtual machine. As a result, the virtual machine is restored to the top level of the ESX/ESXi inventory.

System action: Processing continues

User response: None

FMV2093E The remote file system agent is downlevel and does not support this operation. NODENAME : *node* **MULTI-NODE NAME :** *multi-node* **hostname :** *host* **TCP/IP address :** *tcpaddr***:***tcpport* **version :** *version***.***release***.***level***..***mod*

Explanation: None.

System action: The operation fails.

User response: Upgrade the remote file system agent to a supported level.

FMV2097E Unable to establish a session with the TSM server as target node '*target*' using agent node '*agent*'.

Explanation: None.

System action: Processing ends.

User response: Ensure that the multi-node name exists on the server and that the agent node has the proper authority to target node listed.

FMV2100E Neither source volume id nor target volume id is in the volume list.

Explanation: None.

System action: Processing ends.

User response: None.

FMV2101E Compressed data grew.

Explanation: The size of data is growing after compression

System action: Processing continues.

User response: The application must abort the transaction.

Please turn off compression and try to resend the object.

FMV2102E File list processing not started

Explanation: An error occured before the file list processing was started.

System action: Processing stops.

User response: Examine the client error log for additional messages that might indicate the reason for the problem. Try to follow the suggested corrective actions (if any) and try the operation again.

FMV2103E File list processing was interupted

Explanation: An error occured suring file list processing.

System action: Processing stops.

User response: Examine the client error log for additional messages that might indicate the reason for the problem. Try to follow the suggested corrective actions (if any) and try the operation again. The error log will list all entries that were not processed. If audit logging is enabled, the audit log will also list the entries that were not processed.

FMV2104E An error occured after processing the file list.

Explanation: An error occured after the file list processing completed.

System action: Processing stops.

User response: Examine the client error log for additional messages that might indicate the reason for the problem. Try to follow the suggested corrective actions (if any) and try the operation again.

FMV2105I File list entry not Processed: *File List Entry*

Explanation: A file list operation encounted an error. This entry from the file list was not processed.

System action: This message is for auditing purposes only.

User response: This message is for auditing purposes only.

FMV2106I Connection to primary TSM server *primary server;* **failed**

Explanation: A communication error occured while attempting to connect to the primary server. The node is configured for replication and will attempt to connect to the secondary server.

System action: Processing continues.

User response: Contact the TSM server administrator to verify if the primary server is available. If the primary server is available, check the TSM error log for communications failures and correct any configuration issues. If the TSM server is not available, allow the node to fail over to the secondary server as configured by the primary TSM server administrator.

FMV2107I Attempting to connect to secondary server *secondary server;* **at** *secondary server;* **:** *TCP/IP Port;*

Explanation: The node is configured for replication and will attempt to connect to the secondary server. The secondary server address and port are configured by the primary TSM server administrator and are saved in the options file.

System action: Processing continues.

User response: Contact the TSM server administrator to verify if the primary server is available. If the primary server is available, check the TSM error log for communications failures and correct any configuration issues. If the TSM server is not available, allow the node to fail over to the secondary server as configured by the primary TSM server administrator.

FMV2108I **Connected to secondary server** *secondary server;***.**

Explanation: The node is configured for replication and has successfully connected to the secondary server.

System action: Processing continues.

User response: None.

FMV2110I **Connection to secondary server TSM** *secondary server;* **failed**

Explanation: A communications error occured while attempting to connect to the secondary server. The node is configured for replication and an attempt to connect to the secondary server was made but failed.

System action: Processing continues.

User response: Contact the TSM server administrator to verify if the secondary server is available. If the secondary server is available, check the TSM error log for communications failures and correct any configuration issues.

FMV2111E **The REPLSERVERNAME entry for the specified MYREPLICATIONSERVER option was not found.**

Explanation: The MYREPLICATIONSERVER option must have a matching REPLSERVERNAME entry in the options file. The REPLSERVERGUID, REPLTCPPORT, and REPLTCPSERVERADDRESS must also be specified. These options are normally set by the TSM server administrator and saved to the options file during logon to the primary server.

System action: Processing stops.

User response: Manually edit the options file to either correct or remove the options.

FMV2112I **Secondary server is configured as 'read-only'. Backup and Archive operations are not supported when the secondary server is in 'read-only' mode**

Explanation: The TSM client has established a session with a server that is configured as 'read-only'. The TSM server is configured as a replication server and will not accept data from this node.

System action: Processing continues.

User response: The TSM may be used for Restore, Retrieve and Query operations. Backup and Archive commands will fail. The TSM server administrator can enable Backup and Archive operations for the node with the 'Update Node' command.

FMV2113E **The** *Command;* **command is not enabled when connected to the secondary server in failover mode.**

Explanation: The TSM client has failed over and established a session with a secondary server. The TSM server is configured as a replication server and will not accept data from this node. Commands that store data on the server are disabled.

System action: Processing continues.

User response: You can use the TSM client for Restore, Retrieve, and Query operations. Backup and Archive operations will fail.

FMV2114W **IBM Tivoli Storage Manager application protection did not copy the VSS Manifest files from VM '***VM***'.**

Explanation: The VSS Manifest files are not found on the guest machine.

System action: The VSS Manifest files cannot be copied. Verify that the VSS and SQL Writer services are running on the guest VM

User response: None

FMV2115I **Replication server connection information saved:** *connection information;*

Explanation: This node is configured for replication. The replication server connection information has been saved to the options file. The replication server options are set by the IBM Tivoli Storage Manager Administator, sent to the client during logon, and are saved to the options file.

System action: Processing continues.

User response: None.

FMV2116W **IBM Tivoli Storage Manager application protection did not back up the VSS Manifest files from VM '***VM***'.**

Explanation: A failure occurred while backing up the files that are necessary for application protection.

System action: The back up of this VM failed.

User response: Check the dsmerror.log for additional information. Then try the operation again.

FMV2117E **Source volume is of subtype** *dev-type* **and destination is of subtype** *dev-type***. Destination must be larger than source.**

Explanation: Logical volumes from scalable volume groups (subtype DS_LVZ) do not contain an LVCB. That is, the very first block contains user data. AIX LVM volumes from original volume groups (subtype LVM) contain a Logical Volume Control Block (LVCB)

on the first block (512 bytes) of the volume. When restoring to a volume of subtype LVM, the first block must be skipped in order to preserve the existing LVCB of the destination volume. That is, the restore operation begins writing at the second block of the volume. This means that given two volumes of identical size, one of subtype DS_LVZ and the other is of subtype LVM, the latter has one less 512-byte block in which to store user data. Thus when you restore a volume of subtype DS_LVZ to a volume of subtype LVM, it is not sufficient for the destination volume to be the same size as the source volume. Instead, the destination volume must be at least one 512-block larger than the source volume.

System action: The restore operation is not performed.

User response: Make sure that both source and destination logical volumes are of the same type, or choose a larger destination volume, or increase the size of the destination volume.

FMV2118I **A write failure occurred while attempting to save node replication failover values to the options file.**

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

System action: The operation failed.

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

FMV2119I **An invalid replication server address return code rc value =** *rc-value* **was received from the server.**

Explanation: An invalid replication server address return code indicates that the server was not able to aquire connection information.

System action: Possible server problem.

User response: Check the server log for more information.

FMV2120W **The last store operation date reported by the server** *replication server;* **of** *server commit date;* **UTC does not match the last store operation date of** *client commit date;* **UTC stored by the client.**

Explanation: The last store operation date reported on the replication server does not match the date stored locally on the client. It is likely that the replication was done before the last store operation from the client to the primary server. Hence, the replication is out of date.

System action: Processing continues.

User response: Contact the TSM server administrator. Restoring from an out of date replica may lead to loss of date. If the primary server cannot be recovered, a full backup to the replica may be appropriate.

FMV2121I **The file space on** *replication server;* **started replication at** *server replication start date;* **The replication completed successfully at** *server replication complete date;***.**

Explanation: The last server replication completed successfully.

System action: Processing continues.

User response: None.

FMV2122I **The file space on** *replication server;* **started replication at** *server replication start date;***. The replication did not complete successfully. The last successful replication completed at** *server replication last successful date;***.**

Explanation: The last server replication did not complete successfully.

System action: Processing continues.

User response: Contact the TSM server administrator. Restoring from an out of date replica may lead to loss of date. If the primary server cannot be recovered, a full backup to the replica may be appropriate.

FMV2123W **Issue the dsmc SET PASSWORD -type=VCD 'vCloud Director hostname' 'userid' 'password' command to save an encrypted password.**

Explanation: The VCDPW option was found either in an options file or as a command- line entry. Although both methods of entry are allowed, they present a security risk because the password is in plain text and is not encrypted.

System action: The option is accepted and the VCD password is used in the current session.

User response: To save an encrypted password, issue the following command: dsmc SET PASSWORD -type=VCD 'VirtualCenter hostname' 'userid' 'password'

FMV2124W **Client node replication table is locked by another process.**

Explanation: Another process is using the client node replication table. Only one process may use it at a time.

System action: This process does not use the client node replication table.

User response: You can serialize processes using the client node replication table. Or you can reconfigure the

current process to use a different table path to avoid contention.

FMV2125I **Total number of VMs to process:** *vms num to restore*

Explanation: Displays the total of VMs to process during the vApp restore operation.

System action: This message is for informational purposes only.

User response: No action is required.

FMV2126E **The Organization VDC node that contains snapshots of Organization VDC '***org vdc name***' of organization '***org name***' was not found.**

Explanation: The Organization VDC node contains the backup data to be restored. The specified organization and organization VDC are not mapped to this Organization VDC node. As a result, the restore operation cannot proceed.

System action: The operation stops.

User response: Verify that the specified organization, organization VDC, and vApp are correct.

FMV2127E **The snapshot data that is required to restore '***vapp name***' cannot be retrieved from the TSM Server.**

Explanation: The required snapshot data was unable to be retrieved from the TSM Server.

System action: The operation stopped.

User response: Check the dsmerror.log file for information about why the data was not retrieved. Then, try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2128E **Failed in creating a restored version of vApp '***vapp name***'.**

Explanation: The operation to create a restored vApp on the vCloud failed. The data associated with the vApp snapshot might not be complete.

System action: The operation stops.

User response: Check the dsmerror.log file for information about why the operation failed. Then, try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2129E **Failed to associate the vApp contents to the restored vApp: '***vapp name***'.**

Explanation: The vApp metadata or VM data was not added to the created vApp. This failure might be caused by a problem in the backed up vApp, its metadata, or in the backup data.

System action: The operation completes. However, it is possible that the restored object does not contain all of the expected content.

User response: Check the backed up vApps on the vCloud. In addition, check the dsmerror.log file for any additional messages that might be related to this problem. Try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2135E **The node on the TSM server is in read only mode.**

Explanation: The server has prevented a store operation on the TSM server. The most likely explaination for this is the node has failed over to the secondary server.

System action: Processing stops.

User response: Contact the TSM server administrator to verify if the primary server is available. If the primary server is available, check the TSM error log for communications failures and correct any configuration issues.

FMV2136E **Operation not permitted. The secondary server reports the primary server is available. Quit and restart the TSM client and retry the command.**

Explanation: The server has prevented a store operation on the secondary TSM server. The secondary server reports that the primary server is available. However, the TSM client failed over to the secondary server.

System action: Processing stops.

User response: Restart the TSM client and verify the primary server connection is made. If the TSM client is unable to connect to the primary server, contact the TSM server administrator to verify if the primary server is available. If the primary server is available, check the TSM error log for communications failures and correct any configuration issues.

FMV2138E **Failed in restoring the vApp properties to vApp: '***vapp name***'.**

Explanation: The vApp properties were not restored to the created vApp. This failure might be caused by a problem in the backed up vApp or in its metadata.

System action: The operation completes. However, it is possible that the restored object does not contain all of the expected content.

User response: Check the backed up vApps on the vCloud. In addition, check the dsmerror.log file for any additional messages that might be related to this problem. Try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2143E vApp verification failed. Data inconsistency was found.

Explanation: During the verification of a vApp, an inconsistency was found in the backup data.

System action: The restore operation was stopped.

User response: Examine the client error log for any additional messages that might be related to this problem and contact TSM technical support for further assistance.

FMV2145W Warning - updating an existing virtual machine named '*name*'. The restore operation continues.

Explanation: The virtual machine exists and will be updated with the disks specified.

System action: The virtual machine will be updated by the restore operation.

User response: No user action is necessary.

FMV2146E The target vCenter or ESX/ESXi host is no longer supported, for virtual machine backups, by this version of IBM Tivoli Storage Manager.

Explanation: The target vCenter or ESX/ESXi host is no longer supported, for virtual machine backups, by this version of IBM Tivoli Storage Manager.

System action: Processing stops for this virtual machine.

User response: Specify another target vCenter or ESX/ESXi host that is supported by this version of IBM Tivoli Storage Manager.

FMV2147E The virtual machine named '*name*' already exists on the target system.

Explanation: The virtual machine cannot be restored because the name already exists on the target system.

System action: Processing stops for this virtual machine

User response: Use the -vmname option to rename the virtual machine.

FMV2148I Virtual machine templates cannot be backed up in incremental mode, switching to full mode.

Explanation: The backup of virtual machine templates are only supported as full backups.

System action: Processing continues in full mode for this template virtual machine.

User response: To back up this virtual machine template use full mode.

FMV2149E The restore operation for this virtual machine to the target ESX/ESXi host is not supported because virtual machine hardware version is incompatible.

Explanation: The target ESX/ESXi host does not support the virtual hardware version of the virtual machine. As a result, a restore of the specified virtual machine to this host is not supported.

System action: Processing stops for this virtual machine.

User response: Specify another virtual machine to restore or specify another target ESX/ESXi host that supports virtual hardware version of the virtual machine.

FMV2150E Set HSMDISABLEAUTOMIGDAEMONS YES in the dsm.opt file to use HSM multi-server functionality.

Explanation: Set HSMDISABLEAUTOMIGDAEMONS YES in the dsm.opt file to use HSM multi-server functionality.

System action: HSM multi-server processing stops.

User response: Set HSMDISABLEAUTOMIGDAEMONS YES in dsm.opt.

FMV2155W Skipping file '*file-name*'. File related to '*server-name*'.

Explanation: File is already coupled to another server.

System action: HSM continues with normal operation.

User response: Use the correct server to process the file.

FMV2156E The server '*server-name*' was not added to the environment.

Explanation: The requested IBM Tivoli Storage Manager server was not added to the multi-server environment. There are several causes for this error:

- The file system is not managed by HSM.
- The HSM management is not active for the file system.

- The file system is out of space.
- The default IBM Tivoli Storage Manager server for the file system was not yet added to the multi-server environment.
- The IBM Tivoli Storage Manager server name is not valid.

System action: HSM multi-server processing stops.

User response: Eliminate the possible causes for this issue and retry.

FMV2157E The server '*server-name*' was not removed from the environment.

Explanation: The requested IBM Tivoli Storage Manager server was not added to the multi-server environment. There are several causes for this error:

- The file system is not managed by HSM.
- The HSM management is not active for the file system.
- The IBM Tivoli Storage Manager server is the default server for the file system and must be removed last.
- The IBM Tivoli Storage Manager server name is not valid.

System action: HSM multi-server processing stops.

User response: Eliminate the possible causes for this issue and retry.

FMV2158E The server '*server-name*' was not added to the environment. You must first add the default IBM Tivoli Storage Manager server ('*default-server-name*') for this file system.

Explanation: The requested IBM Tivoli Storage Manager server was not added to the multi-server environment. The requested IBM Tivoli Storage Manager server is not the default server for the file system.

System action: HSM multi-server processing stops.

User response: Add the default IBM Tivoli Storage Manager server first.

FMV2159I The server '*server-name*' was added to the environment.

Explanation: The requested IBM Tivoli Storage Manager server was added to the multi-server environment.

System action: HSM multi-server processing continues.

User response: None.

FMV2160I The server '*server-name*' was removed from the environment.

Explanation: The requested IBM Tivoli Storage Manager server was removed from the multi-server environment.

System action: HSM multi-server processing continues.

User response: None.

FMV2161E The server '*server-name*' is not a valid IBM Tivoli Storage Manager server for this environment.

Explanation: The requested IBM Tivoli Storage Manager server was not added to the multi-server environment.

System action: HSM multi-server processing stops.

User response: Check the dsm.sys file for the correct IBM Tivoli Storage Manager server name.

FMV2162E HSM cannot be removed from the file system. The IBM Tivoli Storage Manager multi-server list is not empty.

Explanation: HSM management was not removed from the file system.

System action: HSM processing continues.

User response: Remove all IBM Tivoli Storage Manager servers from the multi-server list before removing HSM.

FMV2163E The default IBM Tivoli Storage Manager server ('*server-name*') for the file system will be removed.

Explanation: The default IBM Tivoli Storage Manager server will be removed. The IBM Tivoli Storage Manager server list for multi-server will be empty after this step.

System action: HSM processing continues without multi-server support.

User response: nothing.

FMV2165I The server '*server-name*' is the default server and has been removed last.

Explanation: The requested IBM Tivoli Storage Manager server was removed from the multi-server environment.

System action: HSM multi-server processing continues.

User response: None

FMV2166I The IBM Tivoli Storage Manager server '*server-name*' is not included in the multi-server environment.

Explanation: The requested IBM Tivoli Storage Manager server is not part of the multi-server environment.

System action: HSM multi-server processing continues.

User response: None.

FMV2167W Can not read SERVERNAME attribute.

Explanation: IBM Tivoli Storage Manager cannot read the SERVERNAME attribute from file.

System action: HSM multi-server processing continues.

User response: None.

FMV2168W Can not write SERVERNAME attribute.

Explanation: IBM Tivoli Storage Manager cannot write SERVERNAME attribute to file.

System action: HSM multi-server processing continues.

User response: None.

FMV2169E Skipping - Requested server is not included in multi-server environment for filesystem '*file-system*'.

Explanation: The requested IBM Tivoli Storage Manager server is not part of the multi-server environment.

System action: HSM multi-server processing continues.

User response: None.

FMV2170W Skipping - file linked to another server.

Explanation: The file is already coupled to another IBM Tivoli Storage Manager server.

System action: HSM continues with normal operation.

User response: Use the correct server to process the file.

FMV2171E The DMAPI version '*dmapi-version*' is not supported.

Explanation: The DMAPI version installed on this node is not supported from the given TSM client.

System action: Due to this issue the affected HSM process ends.

User response: Use the documentation to identify the supported DMAPI versions. Install a supported DMAPI and retry the HSM command or process.

FMV2172E Command not supported in HSMBACKENDMODE TSMFREE.

Explanation: That command is not supported using an external HSM backend.

System action: Exit programm

User response: Do not use the command

FMV2173E Volume '*volume name*' from vFiler '*vFiler name*' is mounted using AIX NFS version 4. This configuration is not supported for snapshot difference incremental backups.

Explanation: Snapshot difference incremental backups are not supported for vFiler volumes mounted using AIX NFS version 4.

System action: Snapshot difference incremental backup fails.

User response: This problem is documented by NetApp BURT 630200. Apply the fix for this once it is available from NetApp. Specify "testflag snapdiffenablevfilernfs4" in dsm.opt file and retry the snapshot difference incremental backup.

FMV2174E Conflicting options HSMLOGMAX and HSMLOGRETENTION were specified.

Explanation: Values were specified for both the HSMLOGMAX and the HSMLOGRETENTION options. These options are mutually exclusive.

System action: Processing stops.

User response: Specify a nonzero value for HSMLOGMAX if you wish to have the TSM hsm log wrap when it reaches the specified maximum value. Use HSMLOGRETENTION if you wish you have the hsm log limited in size on a time-based schedule.

FMV2175I Data from server '*server-name*' should be recalled using the script 'dsmMultiServerRemove.pl'.

Explanation: Migrated files must be recalled before a server can be removed from the multiserver configuration.

System action: The server will not be removed.

User response: Check the documentation for detailed information about the 'dsmMultiServerRemove.pl' script.

FMV2176E The sample journal configuration file " could not be copied to ".

Explanation: The TSM Journal Engine setup wizard tried to create a new journal configuration file by copying the sample configuration file. However the sample configuration file could not be successfully copied.

System action: The TSM Journal Engine setup wizard stops.

User response: Manually copy the sample journal configuration file "config\tsmjbbd.ini.smp" to "baclient\tsmjbbd.ini", then try the TSM Journal Engine setup wizard. The "baclient" and "config" directories can be found in the directory where you installed the Tivoli Storage Manager Backup-Archive Client. For example, "C:\Program Files\Tivoli\TSM\baclient" and "C:\Program Files\Tivoli\TSM\config"

FMV2177E The vCloud vApp named '*vapp name*' already exists on the target system.

Explanation: The restore vApp command does not support restoring a vApp with an existing name.

System action: The restore was not performed.

User response: Execute the required restore command again, considering that the given name for the restored vApp is not used.

FMV2181I Option *primary server;* saved.

Explanation: This node is configured for replication. The primary server name option is now saved to the options file. The replication server options are set by the IBM Tivoli Storage Manager Administator, sent to the client during logon, and are saved to the options file.

System action: Processing continues.

User response: None.

FMV2182I Option *secondary server;* saved.

Explanation: This node is configured for replication. The replication server option is now saved to the options file. The replication server options are set by the IBM Tivoli Storage Manager Administator, sent to the client during logon, and are saved to the options file.

System action: Processing continues.

User response: None.

FMV2183E Organization '*Org name*' not found in the vCloud Director.

Explanation: The specified Organization is not recognized by the vCloud Director.

System action: The action requested for the organization is canceled.

User response: Verify that an organization by the specified name exists in the vCloud. Organization names are case-sensitive.

FMV2184E Organization VDC '*Org vDC name*' not found in organization '*Org name*'.

Explanation: The specified organization VDC is not part of the specified organization.

System action: The action requested for the organization VDC is canceled.

User response: Verify that an organization VDC by the specified name exists in the specified organization. Organization and organization VDC names are case-sensitive.

FMV2185E Failed to log on to the vCloud Director on '*vCD host name*' with user name '*vCD user name*': Authentication failed.

Explanation: The vCloud credentials specified in the VCDUser and VCDPass options were rejected by the vCloud director.

System action: vCloud operations cannot be performed.

User response: Update the VCDUser and VCDPass options with valid credentials for the vCloud Director.

FMV2186E Failed to log on to the vCloud Director on '*vCD host name*' with user name '*vCD user name*': User not found.

Explanation: The vCloud user specified by the VCDUser option does not exist on the vCloud Director.

System action: vCloud operations cannot be performed.

User response: Update the the VCDUser option with a valid vCloud user name for the vCloud Director.

FMV2187E Failed to establish connection to the vCloud Director on '*vCD host name*'.

Explanation: A connection cannot be established to the vCloud Director on the host that is specified by the VCDHost and VCDPort options.

System action: vCloud operations cannot be performed.

User response: Verify that the values of the VCDHOst

and VCDPort options are valid, network connectivity to the host exists, and that the vCloud Director service is running.

FMV2188E The vCloud protection runtime library is not installed or failed to load.

Explanation: The vCloud runtime library is not installed or cannot be loaded.

System action: vCloud operations cannot be performed.

User response: Verify that the TSM for Virtual Environments vCloud runtime library is installed. If neccessary, reinstall TSM for Virtual Environments.

FMV2189E The vCloud protection runtime library cannot be initialized.

Explanation: The vCloud protection runtime library failed to initialize. This issue might be caused by the Java runtime not being installed.

System action: vCloud operations cannot be performed.

User response: Verify that Java is installed.

FMV2190E The vCloud protection runtime library encountered an internal error.

Explanation: An internal error had occured in the vCloud runtime library.

System action: vCloud operations cannot be performed.

User response: Check the dsmerror.log file for any additional messages that might be related to this problem. Try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2191E An error occurred creating the default VSS staging directory '*path*'.

Explanation: The TSM client uses an VSS staging directory to store files related to to VSS snapshot operations. The TSM client was unable to create this directory structure.

System action: The TSM client stopped.

User response: If the problem persists, contact IBM technicalsupport for further assistance.

FMV2192E Failed to read the node configuration information from node '*node name*'.

Explanation: Node mapping information is required for this vCloud operation. However, the mapping information either does not exist or cannot be read from the specified node.

System action: The operation is canceled.

User response: Make sure that you are accessing the correct node. The node mapping information is stored in the Provider VDC node. If necessary, go to the Configuration page and click 'Run the Configuration Wizard' to make corrections to the node mapping.

FMV2193E The required filespace for the vApp '*vapp name*' backup does not exist.

Explanation: No filespace exists for the specified vApp backup.

System action: The restore was not performed.

User response: Make sure that the specified vApp is correct. Then, try the restore operation again.

FMV2194E The snapshot data is incomplete for vApp '*vapp name*'.

Explanation: Inconsistent data was found in the backed up vApp. It is not possible to restore the specified vApp.

System action: The restore was not performed.

User response: Check the dsmerror.log file for any additional messages that might be related to this problem. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2195E The number of VMs that are available for restore is different from expected according to the vApp '*vapp name*' metadata.

Explanation: Inconsistent data was found in the vApp metadata. It is not possible to restore the specified vApp. More VMs have been backed up than are now available for restore. This may happen due to incomplete node replication or if a file space was deleted.

System action: The restore was not performed.

User response: Check the dsmerror.log file for any messages that may indicate the problem. Run a detailed query for this vApp to verify that all VMs backups exist. If node replication is used, ensure it is working correctly. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/. Contact TSM administrator for more information.

FMV2196W **An incompatible disk configuration is detected. Individual SQL Database Restore of database '*database name*' is not supported.**

Explanation: One or more SQL database files in this operation are located on Dynamic and/or Guid Partition Table (GPT) style disks. Individual SQL Database Restore is not supported from disks that are configured in this manner.

System action: Backup of the full VM continues.

User response: Issue a full VM restore to retrieve a previous state of the SQL Server environment.

FMV2197E **The verification test of vApp '*vapp name*' indicates that VM data is incomplete in the vApp. The vApp cannot be restored.**

Explanation: Inconsistent data was found in the VM for the specified vApp. It is not possible to restore the specified vApp. This may happen due to incomplete node replication or if a file space was deleted.

System action: Operation continues.

User response: Check the dsmerror.log file for any additional messages that might be related to this problem. Run a detailed query for this vApp to verify that all VMs backups exist. If node replication is used, ensure it is working correctly. If the problem persists, perform a FULL new backup of the vApp and visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/. Contact TSM administrator for more information.

FMV2198I **Backup of VMware vCloud Director vApp '*vApp name*' in Organization VDC '*Org VDC name*' of organization '*Org name*' completed successfully. VMs: *number of VM backed up* out of *number of VMs in vApp* VMs backed up successfully.**

Explanation: The backup operation completed. The number of VMs backed up and the total number of VMs in the vApp are displayed.

System action: This message is for informational purposes only.

User response: If the number of VMs backed up is less than the total in the vApp please check the error logs for more information.

FMV2199W **The virtual machine '*VM-name*' contains one or more disks that are larger than the currently supported size so the individual disks will be excluded.**

Explanation: The virtual machine contains disks larger than the currently supported size so the individual disks will be excluded from the backup.

System action: The backup will continue without the larger disks.

User response: None.

FMV2200I ***** **Filling Cache** *count* **files** *****

Explanation: TSM the specified number of files have been added to the disk cache.

System action: Processing continues.

User response: None.

FMV2201I ***** **Inspecting Cache** *count* **files** *****

Explanation: TSM the specified number of files have been examined in the disk cache.

System action: Processing continues.

User response: None.

FMV2202E **Disk Full Error Accessing Disk Cache.**

Explanation: A disk full error occurred attempting to access or write to the specified disk cache file during a disk cache incremental backup. See the client error log for more detailed information.

System action: Processing stops.

User response: This error can be resolved by freeing up space in the file system containing the cache file, or specifying a different location for the cache file. Use the diskcachelocation option to specify the location of the cache file.

FMV2203E **Error Accessing Disk Cache.**

Explanation: An error occurred attempting to access the specified disk cache file during a disk cache incremental backup. See the client error log for more detailed information. TSM.

System action: Processing stops.

User response: None.

FMV2204E **Disk cache restarted.**

Explanation: The length of an object name exceeded the configured disk cache key length during a disk cache incremental backup. The backup must be restarted.. TSM.

System action: Backup is restarted with a larger key length to accommodate the object name.

User response: None required. The name of the object that caused the failure can be found in the dsmerror.log file.

FMV2206W The user must have root authority to use the memory efficient backup disk cache method. The operation will continue using memory efficient backup method without disk caching.

Explanation: None.

System action: The operation continues without using disk caching.

User response: None.

FMV2213E Error while querying volume properties of volume *volserial***. Please verify that the volume specified in the target volumes file exists.**

Explanation: None.

System action: Processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV2218I The encryption key password for node *node name* **and server** *server name* **has been migrated.**

Explanation: The format of the TSM password file has recently changed. The option MIGRATEENCRYPTKEY is set and the stored encryption key password was automatically migrated to the new format. This message confirms that the migration was successful.

System action: The encryption key password has been migrated.

User response: No response.

FMV2219E Cannot backup or archive files into filespace because it is owned by a TSM API application.

Explanation: TSM Client cannot archive or backup files into a file space that is used a TSM API application.

System action: Processing stops.

User response: Use separate node names for TSM Client and TSM API application(s).

FMV2220E The cluster disk could not be put in maintenance mode.

Explanation: The system call to put the cluster disk in maintenance mode failed.

System action: Processing stopped.

User response: Try the operation again. If the problem continues, check the client error log for any other messages that might have been logged when this message was written, and take the corrective action (if any) suggested by those messages. Examine the Windows event log which may contain additional information. See your system administrator or TSM administrator for further help.

FMV2221W Java was not able to resolve the IP address of your local machine due to network misconfiguration problems! Please verify your network and DNS configuration are setup correctly. Note that on UNIX machines the hostname must be reported correctly (the same) for IPv4 and IPv6 communication methods in the /etc/hosts configuration file. TSM processing continues.

Explanation: Java was not able to get the local host address due to network misconfiguration problems.

System action: Processing continues.

User response: Please verify your network and DNS configuration are setup correctly. Note that on UNIX machines the hostname must be reported correctly (the same) for IPv4 and IPv6 communication methods in the /etc/hosts configuration file. See your system administrator or TSM administrator for further help.

FMV2223W Rejected unauthenticated server-initiated session from *peer name***.**

Explanation: For security, the client will not accept server-initiated sessions from servers that have authentication turned off.

System action: The client-server session is not opened, and the schedule is not executed. The scheduler continues to wait for contact by a server that has authentication turned on.

User response: If the client system is supposed to accept scheduled events from the prompting TSM server, either ask the TSM server administrator to turn authentication on, or do not use server-initiated sessions. If the client system is not supposed to accept scheduled events from the prompting server, ask the TSM server administrator to remove the client node name from the schedule on the prompting server.

FMV2225W User has specified 'SNAPSHOTROOT' option. *snapshot provider* **snapshot backup is not valid in conjunction with this option. "SNAPSHOTROOT option will take precedence and processing will continue without the use of a snapshot taken internally by TSM.**

Explanation: The (-SNAPSHOTROOT) option is incompatible with TSM snapshot providers such as Logical Volume Snapshot Agent, VSS snapshot provider, JFS2 snapshot provider etc. which provide a comprehensive snapshot solution withot having to use the (-SNAPSHOTROOT) option. It is strongly

recommended that the snapshot capabilities provided by the TSM snapshot providers be used instead of using the (-SNAPSHOTROOT) option. Processing will continue without the use of the TSM snapshot providers.

System action: Processing continues without the use of the TSM snapshot providers.

User response: See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV2226I **Filespace** *filespace-name* **is renamed to** *old-filespace-name*. *unicode-filespace-name* **is recreated as a Unicode enabled filespace. The current operation will continue using the Unicode enabled filespace.**

Explanation: TSM Unicode Client operates with Unicode enabled filespace. In order to save your data there needs to be a one time automatic rename of the existing MBCS filespace on the server. A new Unicode enabled filespace is created on the server and backup/archive continues.

System action: Processing continues.

User response: None.

FMV2227W **Server option '***option-name***' '***option-value***' has not been applied on the client due to the client option SRVOPTSETENCRYPTIONDISABLED.**

Explanation: The client option SRVOPTSETENCRYPTIONDISABLED has been set to YES on the client thereby preventing the TSM administrator from setting one of the following client options - ENCRYPTKEY GENERATE, EXCLUDE.ENCRYPT, INCLUDE.ENCRYPT.

System action: The option will be ignored.

User response: None required.

FMV2228W **Backup of VMware vCloud Director vApp '***vApp name***' in Organization VDC '***Org VDC name***' of organization '***Org name***' completed. Some VMs were not backed up. VMs:** *number of VM backed up* **out of** *number of VMs in vApp* **VMs backed up successfully.**

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

System action: Processing continues to the next vApp.

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

FMV2229E **Failed to initialize the vCloud protection environment. See the local client error log for detailed error message information.**

Explanation: The vCloud protection package could not be initialized.

System action: The operation is stopped

User response: Make sure all options that are related to the vCloud environment are specified correctly. Check the dsmerror.log file for detailed information.

FMV2230E **Failed to create vApp list according to spec '***vApp specification***'**

Explanation: The vApp list was unable to be retrieved from the vCloud Director.

System action: The operation is stopped

User response: Make sure the values specified in the VCDHost, VCDUser, VCDPW, and DOMAIN.VCD options are correct. Make sure the vCloud Director is alive.

FMV2231E **Failed to back up vApp properties for vApp '***vApp name***'**

Explanation: A backup was not created for the specified vApp.

System action: Back up of the specified vApp stops. Processing continues to the next vApp.

User response: Check the dsmerror.log file for additional information.

FMV2232E **Failed to retrieve the list of VMs for vApp '***vApp name***' from the vCloud Director.**

Explanation: The VM information for the specified vApp was not retrieved from the vCloud Director. This failure might be caused by the vCloud Director not being alive or accessible.

System action: The VMs that compose the specified vApp are not backed up. Processing continues to the next vApp.

User response: Make sure that the vCloud Director is alive and accessible. Check the dsmerror.log file for specific errors that are related to this issue.

FMV2233E **Failed to get information from the vSphere server for the VMs that compose vApp '***vApp name***'.**

Explanation: The VM information for the specified vApp was not retrieved from the vSphere server. This

failure might be caused by incorrect option settings.

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

User response: Make sure the VMCHost option specifies a vSphere host that belongs to the protected vCloud Director. Verify that VMCUser and VMCPW settings are correct. Also check the dsmerror.log file for information that is related to this issue.

FMV2236I **The virtual machine '*VM-name*' contains one or more disks that exceed the maximum size limit. These disks will be excluded from the backup.**

Explanation: The IBM Tivoli Storage Manager client does not support backing up VMDKs that are greater than the supported limit.

System action: The virtual machine is backed up, however the disks exceeding the limit are skipped.

User response: Keep VMDKs below the maximum size limit to avoid having them skipped during VM backups. Alternatively, remove the '-VMSKIPMAXVMDKS=yes' option to have VM backups fail if they contain VMDKs exceeding the size limit.

FMV2238E **VCDHOST option must be set before running this operation.**

Explanation: VCDHOST option is missing.

System action: Operation cannot continue without this option being set.

User response: Add the option to the client options file, either via the preferences editor or by manually editing the file, or specify the option on the command line.

FMV2239W **The annotations field contained too many characters and had to be truncated.**

Explanation: vSphere limits the size of the annotations to 2000 characters. Some special characters, such as new lines, get encoded as multiple characters. This can lead to exceeding the limit even though the size may appear to be within the limit.

System action: The annotation field is truncated to less than 2000 characters so that the vSphere API will not reject it.

User response: Take care to avoid creating large annotations that may exceed the 2000 character limit after special characters are encoded.

FMV2240T **The basic verification of vApp '*vApp name*' succeeded.**

FMV2241T **The extended verification of vApp '*vApp name*' succeeded.**

FMV2242E **No nodes were found that matched the input specification:** *node specification*

Explanation: An invalid node specification was entered.

System action: The operation was stopped.

User response: Check documentation how to specify nodes.

FMV2243W **An incompatible disk configuration is detected. Individual SQL Database Restore of some databases on this guest VM is not supported.**

Explanation: One or more SQL database files in this operation are located on Dynamic and/or Guid Partition Table (GPT) style disks. Individual SQL Database Restore is not supported from disks that are configured in this manner.

System action: Backup of the full VM continues.

User response: Issue a full VM restore to retrieve a previous state of the SQL Server environment.

FMV2244W **The virtual machine contains one or more disks that exceed the maximum size limit. Specify the '-VMSKIPMAXVMDKS=yes' option to exclude these disks from the backup.**

Explanation: The IBM Tivoli Storage Manager client does not support backing up VMDKs that are greater than the supported limit.

System action: The virtual machine is not backed up.

User response: Specify the '-VMSKIPMAXVMDKS=yes' option to exclude these disks from the backup.

FMV2245E **Virtual machine backups and restores are not supported on 32 bit data movers.**

Explanation: Virtual machine operations such as backups and restores are not supported on 32 bit Data Movers.

System action: The operation is not performed.

User response: Update to a 64 bit Data Mover and retry the operation.

FMV2246W Failed to disable maintenance mode for vApp *vApp name***.**

Explanation: The client has tried to disable the maintenance mode of this vApp. This operation failed.

System action: Operation continues.

User response: Check whether the vApp is still in maintenance mode. If yes, disable it manually.

FMV2247E ASNODENAME option must be specified when running this command.

Explanation: When running vCloud-related commands, ASNODENAME option must specify the Provider vDC node.

System action: Operation cannot continue.

User response: Specify the Provider vDC node as ASNODENAME to the command.

FMV2248E Failed to load or initialize the Java runtime library.

Explanation: The Java runtime library (libjvm), required by the vCloud Protection environment, cannot be loaded, or initialization of Java runtime environment failed

System action: Operation is stopped

User response: For Linux operating system, verify that a link named 'jre', referencing the 'jre' directory under your Java installation path, exists in the backup-archive client installation directory. If a link does not exist, create the link (e.g. ln -s /opt/ibm/java-x86_64-70/jre /opt/tivoli/tsm/client/ba/bin/jre). Alternatively, modify LD_LIBRARY_PATH to include the path to libjvm.so (e.g. export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/opt/tivoli/tsm/client/ba/bin:/opt/ibm/java-x86_64-70/jre/bin/classic). For Windows operating system, verify that the JRE directory exists under the client installation directory. Reinstall the backup-archive client if necessary.

FMV2312E -DELTYPE=ALL is not allowed for DELETE BACKUP -OBJTYPE=VM.

Explanation: DELTYPE=ALL is not a valid option value when deleting VM backup objects.

System action: The command is not executed.

User response: If you wish to delete all backups for a VM node, use the DELETE FILESPACE command.

FMV2313E -FILELIST is not allowed for DELETE BACKUP or EXPIRE when -OBJTYPE=VM.

Explanation: -filelist is not a valid option value when deleting or expiring VM backup objects.

System action: The command is not executed.

User response: If you wish to delete or expire all backups for a VM node, use the DELETE FILESPACE command.

FMV2314E No VM backup exists for *VM-Name***.**

Explanation: The TSM server has no record of a VM backup for the VM name provided. The backup might have been deleted, or the VM name spelled incorrectly.

System action: The command is not executed.

User response: If spelling is the problem, correct it and resubmit the command.

FMV2315E -PICK is not allowed for EXPIRE when -OBJTYPE=VM.

Explanation: -pick is not a valid option value when expiring VM backup objects.

System action: The command is not executed.

User response: If you wish to expire all VM nodes, use the DELETE FILESPACE command.

FMV2316E Wildcards are not allowed in the VM name argument.

Explanation: When expiring or deleting a VM backup, the VM name must be specified exactly. The EXPIRE -OBJTYPE=VM command processes only one backup on each invocation. When -INACTIVE is present the DELETE BACKUP -OBJTYPE=VM command displays all versions of a single VM backup in a list from which to choose. If -INACTIVE is not present, this command expires the current active VM backup.

System action: The command is not executed.

User response: Specify only one VM name without wild cards. It may be in upper or lower case.

FMV2317E Deletion of VM object *VMname* **failed. Reason:**

Explanation: The transaction which deletes the named VM object failed at the server. The reason code ....?????

System action: The deletion is skipped and processing continues with the next selection, if any.

User response: Consult the error log for specific reasons for this failure.

FMV2318E *Command* **with -OBJTYPE=VM requires exactly one non-option argument**

Explanation: This command accepts only a single VM name as an argument. Either no arguments were entered or more than one appeared on the command line.

System action: The command is not executed.

User response: Specify only one VM name without wild cards. It may be in upper or lower case.

FMV2319W DELETE BACKUP -OBJTYPE=VM finished with failures.

Explanation: One or more deletions failed.

System action: The VM backups which failed have been reported in previous messages. Processing continues with the next selection, if any.

User response: Consult the previous error messages for the cause of each failure.

FMV2320I DELETE BACKUP -OBJTYPE=VM finished without failures.

Explanation: All VM backups selected for deletion were deleted.

System action: Control returns to the command line.

User response: No action is required, this message is informational.

FMV2321W EXPIRE with -OBJTYPE=VM finished with failures.

Explanation: The command did not complete, no objects were expired.

System action: The VM expire which failed has been reported in previous messages.

User response: Consult the previous error messages for the cause of the failure.

FMV2322I EXPIRE with -OBJTYPE=VM finished without failures.

Explanation: The EXPIRE command executed successfully.

System action: Control returns to the command line.

User response: No action is required, this message is informational.

FMV2323E The user ID and password for VMware vCloud Director '*vCD host name***' are not set.**

Explanation: The user ID and password for VMware vCloud Director could not be read from encrypted password file.

System action: Processing stops.

User response: Issue the dsmc SET PASSWORD -type=VCD 'vCloud Director hostname' 'userid' 'password' command to save an encrypted password.

FMV2324W WARNING: The VMware vCloud Director user ID <*hostuserid***> read from the password file is different from the VCDUser option value <***vmcuserid***>. Using stored value.**

Explanation: All user IDs that are specified in the TSM.PWD file and in the VCDUSER option must be the same.

System action: Processing stops.

User response: Contact the TSM administrator with the information that is provided in this message.

FMV2325E Error Accessing Snapshot Differential Change Log for filer " volume ", see client error log for more information.

Explanation: The Snapshot Differential Change Log needed needed to backup the specified filer volume could not be accessed

System action: The backup of the specified volume fails.

User response: Ensure that the client staging directory where change logs are located is accessible.

FMV2326W Corrupt Snapshot Differential Change Log detected, change log will be reset and a full progressive incremental will be performed.

Explanation: A corrupt snapshot differential change log for the filer volume being backed up was detected.

System action: The change log will be reset and a full progressive incremental with a new base snapshot will be performed.

User response: none.

FMV2327I Creating Snapshot Differential Change Log.

Explanation: A new snapshot differential change log was created.

System action: This message is for informational purposes only.

User response: No action is required.

FMV2328I Using Snapshot Differential Change Log.

Explanation: A snapshot differential change log is being used for the backup.

System action: This message is for informational purposes only.

User response: No action is required.

FMV2329W Down level Snapshot Differential Change Log detected, Change Log will be reset and a full progressive incremental will be performed.

Explanation: none.

System action: none.

User response: none.

FMV2330E Failed to unfreeze the VSS writers because the snapshot time exceeded the 10 second timeout limitation.

Explanation: Microsoft VSS has a 10 second timeout limitation between freeze and thaw events for VSS writers on a VM. When the snapshot time exceeds the 10 second timeout limit, the VSS writers return to a 'failed' state. This failed state occurs because the VSS provider did not thaw the VSS writers within the allowed time.

System action: Processing stops.

User response: Check the event log. Ensure that the writers on the guest VM are in 'stable' state before trying an application protection VM backup operation again. A snapshot operation must be completed within 10 seconds.

FMV2331W No match found on the server for the Hyper-V VM name or VMList '*string*' entered

Explanation: No match found on the server for the Hyper-V VM name or VMList parameter entered.

System action: None.

User response: Specify another Hyper-V VM name or VMList parameter that exist on the server.

FMV2332E Failed to log on to the vCloud Director. Authentication failed.

Explanation: The vCloud credentials were rejected by the vCloud Director.

System action: The operation is stopped

User response: Update username and password for the vCloud Director.

FMV2333E Failed to establish connection to the vCloud Director.

Explanation: A connection cannot be established to the vCloud Director on the host that is specified by the VCDHost and VCDPort options.

System action: The operation is stopped

User response: Verify that the values of the VCDHOst and VCDPort options are valid, network connectivity to the host exists, and that the vCloud Director service is running.

FMV2344E '*drive-name1*' is a disk witness.

Explanation: The indicated volume is a disk witness. Because the CLUSTERNODE option is set to YES, the volume cannot be backed up or archived.

System action: Processing stops.

User response: If the CLUSTERNODE option is incorrectly set to YES, then change the option to NO and try the operation again. Otherwise see the client manual for further information about configuring the TSM client to run in a cluster environment.

FMV2346E Expiration of VM object *VMname* failed. Reason:

Explanation: The transaction which expires the named VM object failed at the server. The reason code ....?????

System action: The expiration is not completed.

User response: Consult the error log for specific reasons for this failure.

FMV2408I The virtual machine named '*VMNAME*' is ready for Instant Access

Explanation: The Instant Access operation for the specified virtual machine successfully completed.

System action: None.

User response: None

FMV2409E The Instant Restore type was not identified.

Explanation: The client encountered a connection error when querying the Tivoli Storage Manager server for Instant Restore and Access information.

System action: Processing stops.

User response: Verify that the client is connected to the server. Then run the operation again. Check with the command QUERY SESSION what is the cause for the connection issue. Also check the dsmerror.log for additional information

FMV2410E Instant Restore information for the specified virtual machines was not found.

Explanation: The Tivoli Storage Manager server does not contain Instant Restore information for the specified virtual machines. Or, the virtual machines were specified incorrectly.

System action: Processing stops.

User response: Issue the QUERY VM * -VMRESTORETYPE=ALLTYPE command. This command queries all active Instant Access, Restore, and Disk sessions available on the Tivoli Storage Manager server.

FMV2411E Instant Restore/Access of virtual machine '*vmname*' failed with rc = *return-code*

Explanation: An error happened during processing of an Instant Restore or Access. See previous output what happens exactly.

System action: Processing stops.

User response: Check the error log for information about how to resolve this error.

FMV2412E The TDPVMware shell command is not set in the Windows register. Ensure that TDP for VMWare is correctly installed and configured.

Explanation: The TDPVMware shell command is not found in the Windows register.

System action: Processing stops.

User response: Ensure that TDP for VMWare is correctly installed and configured.

FMV2413E Cannot find the TDPVMware shell command in the expected installation path. Ensure that TDP for VMWare is correctly installed and configured.

Explanation: The TDPVMware shell command was not found in the expected installation path.

System action: Processing stops.

User response: Ensure that TDP for VMWare is correctly installed and configured.

FMV2414E An error occurred when the hostname for the local machine was called.

Explanation: The system call gethostname failed.

System action: Processing stops.

User response: Verify that the configuration of the network interface is correct.

FMV2415E An error occurred when the machine address information was called.

Explanation: The system call getaddrinfo failed.

System action: Processing stops.

User response: Verify that the configuration of the network interface is correct.

FMV2416E An error occurred when the machine name information was called.

Explanation: The system call getnameinfo failed.

System action: Processing stops.

User response: Verify that the configuration of the network interface is correct.

FMV2417E Unexpected communication method. Only TCP and TCPv6 are accepted.

Explanation: An unexpected communication method was detected.

System action: Processing stops.

User response: Verify that the communication method for Tivoli Storage Manager is correct. Use either TCP or TCPv6.

FMV2418E The client node must have BACKUP DELETE permission.

Explanation: For Instant Access and Restore, the node must have the permission for BACKUP DELETE set to YES.

System action: Processing stops.

User response: Set BACKUP DELETE permission to YES.

FMV2419E The datastore does not have enough free space for the instant restore operation.

Explanation: The space on the selected datastore is not sufficient for the instant restore operation.

System action: Processing stops.

User response: Increase the datastore space or choose a different datastore.

FMV2420E Cannot detect storage device information.

Explanation: Storage device information cannot be retrieved.

System action: Processing stops.

User response: Ensure that the communication with the ESX host is working. Also, review the log messages on the ESX host.

FMV2421E Cannot detect the iSCSI initiator.

Explanation: The iSCSI initiator name cannot be detected.

System action: Processing stops.

User response: Ensure that the communication with the ESX host is working. Also, review the log messages on the ESX host.

FMV2422E Cannot detect the iSCSI Host Bus Adapter.

Explanation: The iSCSI adapter was not detected.

System action: Processing stops.

User response: Ensure that the communication with the ESX host is working. Also, review the log messages on the ESX host.

FMV2424E Cannot find the ESX host '*ESXHOST*' in the vCenter.

Explanation: The specified ESX host cannot be found in the vCenter.

System action: Processing stops.

User response: Ensure that the specified ESX host is in the vCenter. Ensure that the name of the ESX host is correct. Alternatively, specify another ESX host.

FMV2425E Cannot connect to the ESX host '*ESXHOST*'

Explanation: A connection to the specified ESX host cannot be made

System action: Processing stops.

User response: Ensure that the specified ESX host is connected to the vCenter and the network. Alternatively, specify another ESX host.

FMV2426E The ESX host '*ESXHOST*' is not powered on.

Explanation: The specified ESX host is not powered on.

System action: Processing stops.

User response: Turn on the power to the ESX host. Alternatively, specify another ESX host.

FMV2427E The ESX host '*ESXHOST*' is in maintenance mode.

Explanation: The specified ESX host is in maintenance mode. A connection cannot be made to this host.

System action: Processing stops.

User response: Change the ESX host back to normal mode and try again. Alternatively, specify another ESX host.

FMV2428E The ESX host '*ESXHOST*' is not connected.

Explanation: The specified ESX host is not connected in the vCenter.

System action: Processing stops.

User response: Connect the ESX host in the vCenter and try again. Alternatively, specify another ESX host.

FMV2430E Cannot find the datacenter '*DATACENTER*'.

Explanation: The specified Datacenter cannot be found in the vCenter.

System action: Processing stops.

User response: Ensure that the specified datacenter is in the vCenter. Alternatively, specify another datacenter.

FMV2431E Cannot find the temporary datastore '*TEMPDATASTORE*' on the ESX host '*ESXHOST*'.

Explanation: The specified temporary datastore cannot be found on the specified ESX host.

System action: Processing stops.

User response: Ensure that the specified datastore is on the ESX host. Alternatively, specify another datastore.

FMV2432E The temporary datastore '*TEMPDATASTORE*' is the same as the target datastore '*DATASTORE*'.

Explanation: The specified temporary datastore must be a different datastore than the one where the machine is restored to. You must specify two different datastores for Storage vMotion to work.

System action: Processing stops.

User response: Specify another datastore as a temporary datastore.

FMV2433E The '-vmtempdatastore' option must be specified for an instant restore operation.

Explanation: You must specify two different datastores for Storage vMotion to work. Use the '-vmtempdatastore' option to specify a temporary datastore.

System action: Processing stops.

User response: Specify a temporary datastore.

FMV2434E **The datastore '*DATASTORE*' was not found on the host '*ESXHOST*'.**

Explanation: The specified datastore cannot be found on the ESX host.

System action: Processing stops.

User response: Ensure that the specified datastore is on the ESX host. Alternatively, specify another datastore.

FMV2435E **TDP for VMware Recovery Agent detected the following failure while trying to mount a snapshot of VM '*VM*' from disc='*disk-label*':** *FBSxxxxE-error-message*

Explanation: The attempt to mount a VM disk as a iSCSI device failed.

System action: The operation was stopped.

User response: Check the FBSxxxxxE error message, resolve the problem, and try the operation again.

FMV2436E **TPD for VMware Recovery Agent detected the following failure while trying to dismount a snapshot of VM '*VM*' from target '*target*':** *FBSxxxxxE-error-message*

Explanation: The attempt to dismount the specified target as a iSCSI device failed.

System action: The operation was stopped.

User response: Check the FBSxxxxE error message, resolve the problem, and try the operation again.

FMV2444E **Cannot find the datacenter for host '*ESXHOST*'.**

Explanation: Unable to determine the datacenter where the ESX host is located.

System action: The operation was stopped.

User response: Check that the vCenter of the ESX host is in a datacenter and that the user has the proper authority to access this information.

FMV2445E **Virtual machine '*VM*' is running. You cannot delete this VM.**

Explanation: You cannot delete a virtual machine that is running.

System action: The operation was stopped.

User response: Ensure that you have the proper authority to power off virtual machines, then power off and delete the VM.

FMV2447E **Failed to delete VM '*VM*' from the ESX host.**

Explanation: You cannot delete the virtual machine form the ESX host.

System action: The operation was stopped.

User response: Ensure that you have the proper authority to delete virtual machines, then delete the VM.

FMV2448E **Mount command failed. Command was** *COMMAND* **Shell command returned:***RESULT*

Explanation: The TDP mount command was not successful.

System action: The operation was stopped.

User response: Determine the problem from the information that was returned for the TDP mount command. Resolve the problem, then run the command again.

FMV2452E *num_discovered* **iSCSI devices were discovered on the ESX host, while** *num_mounted* **were expected.**

Explanation: After the ESX host bus adapter was scanned, the number of devices that were discovered is different from the number of mounted devices.

System action: The Instant Restore or Instant Access process is stopped.

User response: Verify that the Tivoli Storage Manager mount is configured to use the correct ESX host IP. To clean the environment, you must run the cleanup process.

FMV2453E **An error occurred when the host bus adapter was scanned.**

Explanation: An error occurred when the ESX host bus adapter was scanned.

System action: The Instant Restore, Instant Access, or cleanup process is stopped.

User response: Run the cleanup process after you fix any problems with the ESX host bus adapter.

FMV2454E **An error occurred when the iSCSI target** *target_name* **was disconnected from the ESX host bus adapter.**

Explanation: An error occurred when a specific iSCSI target was disconnected from the ESX host bus adapter.

System action: The cleanup operation is stopped.

User response: Run the cleanup process after you fix any problems with the ESX host bus adapter.

FMV2455I The virtual machine has been started. You can use the machine after it has booted, or you can connect to it and manage its settings through the vCenter console.

Explanation: The virtual machine is being started.

System action: Processing continues.

User response: While the boot is in progress, you can connect to the virtual machine and view or manage BIOS settings, manage the bootloader options, or perform other tasks. After the boot process completes, you can use the virtual machine and its applications and resources.

FMV2462E Unable to start the vMotion task for virtual machine '*vm_name*'.

Explanation: An instant restore of the specified virtual machine was attempted but failed. The client could not start a vMotion task to migrate the virtual machine.

System action: The Instant Restore operation stops.

User response: Examine the client dsmerror.log file to see if a log entry indicates why the vMotion task failed. Additional information about the failure might also be available in the vCenter server, on the Task and Events tab for the ESXi host that you were migrating the VM from. If possible, use the log and event records to determine what caused the vMotion task to fail and fix it. Then, clean up the virtual machine (use the Restore VM command with the -VMRESToretype=VMCLeanup option) and restart the vMotion task. If you cannot restart the task, suspend the virtual machine and use the vSphere web client to start the virtual machine migration from one host to another.

FMV2463W Instant Restore information cannot be saved on the server.

Explanation: An error occurred when Instant Restore information was being saved on the server. The Instant Restore process is still running.

System action: The operation continues.

User response: The client dsmerror.log file might contain information to help troubleshoot the reason for this error. Let the Instant Restore process complete on its own. You might need to run a clean up operation on the virtual machine. Use the Restore VM command, and specify the -VMRESToretype=VMCLeanup option.

FMV2464E Unable to delete Instant Restore information from the server.

Explanation: An error occurred while attempting to delete Instant Restore information from the server.

System action: The Instant Restore operation continues.

User response: The most likely reason for this error is that an FMV2463W warning previously occurred, and there is no data to delete. If you have not previously seen an FMV2463W message, the client dsmerror.log file might contain information to help you troubleshoot this error. Clean up the virtual machine to remove old information from the server. Use the Restore VM command, and specify the -VMRESToretype=VMCLeanup option.

FMV2465E An error occurred during a storage vMotion operation.

Explanation: A storage vMotion task failed while trying to migrate a running virtual machine.

System action: The Instant Restore operation stops.

User response: Examine the client dsmerror.log file to see if a log entry indicates why the vMotion task failed. Additional information about the failure might also be available in the vCenter server, on the Task and Events tab for the ESXi host that you were migrating the VM from. If possible, use the log and event records to determine what caused the vMotion task to fail and fix it. Then clean up the virtual machine (use the Restore VM command with the -VMRESToretype=VMCLeanup option) and restart the vMotion task. If you cannot restart the task, suspend the virtual machine and use the vSphere web client to start the VM migration from one host to another.

FMV2466W If you continue you will lose all data created on this virtual machine. The virtual machine will also be removed from the ESXi host. Are you sure that you want to do this? Press Y the virtual machine data and remove it from the ESXi host. Press any other key to continue without deleting data or the VM.

Explanation: You are performing an operation that, if allowed to continue, will delete all data that was created after this virtual machine was created.

System action: If Y is pressed, the Instant Restore operation is stopped, and a cleanup operation is performed

User response: Respond to the prompt. Press Y to destroy all data and delete the virtual machine from the server. Press any other key to continue without deleting.

FMV2467W Unable to delete the snapshot that was created for the virtual machine named '*vm_name*'

Explanation: When a virtual machine is restored by an instant restore operation, a snapshot is created to store all data that were written to the virtual machine disks. When the restore is completed, the ESXi host deletes

the snapshot. The snapshot for the specified virtual machine could not be deleted.

System action: Operation continues.

User response: Examine the vSphere log to determine why is it not possible to delete the snapshot and resolve the problems that prevent the deletion. Then, delete the snapshot by using the snapshot manager.

FMV2468E The necessary iSCSI targets could not be found on the ESX host.

Explanation: An instant restore operation was initiated and one or more of the required iSCSI targets could not be found on the ESXi host.

System action: Processing stops.

User response: Verify that the IP address that was specified with the -VMISCSISERVERADDRESS parameter is correct.

FMV2469E Unable to remove the iSCSI target.

Explanation: An error occurred while trying to remove an iSCSI target.

System action: Processing stops.

User response: Check vSphere client log file for the reason this operation failed and remove the iSCSI target. To remove the failed iSCSI static targets go to your ESXi host Configuration -> Storage Adapters -> Select the iSCSI Adapter -> right click on it -> Click Properties -> Static Discovery and select the failed iSCSI targets and remove them.

FMV2471E Unable to stop the vMotion Task '*task*'.

Explanation: The specified vMotion task could not be stopped.

System action: The instant restore operation is stopped.

User response: Examine the vSphere log to determine why the migration cannot be stopped. Resolve the problem and cancel the vMotion task. Then, use the -VMRESToretype=VMFULLCleanup option on the Restore VM command to remove any files or other resources that were created by the instant restore operation.

FMV2472E Cannot detect the LUN for the attached RDM devices for virtual machine named *vmname*'. The restore operation for this virtual machine cannot be completed.

Explanation: The LUNs for the RDM devices use by the specified virtual machine are either missing, are mapped to an other machine, or the device name and the LUN do not match.

System action: The restore operation is stopped.

User response: For restore operations where vmrestoretype=instantrestore or vmrestoretype=instantaccess, verify that the iSCSI server address and the VMkernel port binding match. Verify this information by checking the following things: 1. Check the Data Protection for VMware configuration file TDPVMwareMounter.conf and verify that the iSCSI server address is bound to the correct network card and segment. 2. Use the vSphere client to connect to your ESXi host. In vSphere, select Configuration->Storage Adapters to display a list of the iSCSI adapters. Right click the adapter that you are verifying. Then, select Properties ->Network Configuration. In the VMkernel Port Bindings Details output, verify that the VMkernel Adapter is on the same subnet that the datamover node is on.

FMV2473E Unable to create a Snapshot of the virtual machine named '*vm_name*'.

Explanation: An instant restore operation was attempted for the specified virtual machine. The snapshot that is used to restore the virtual machine could not be created.

System action: The instant restore operation stops.

User response: Examine the vCenter logs to determine why the snapshot could not be created and try the instant restore operation again.

FMV2474E Unable to cleanup after an instant restore operation for the virtual machine named '*vm_name*', because vMotion task is still running.

Explanation: An instant restore operation is still running for the specified virtual machine.

System action: The cleanuop operation stops.

User response: Use the query command to check on the status of the instant restore operation. Examine the vCenter to determine the status of the vMotion task. If you want to stop the instant restore, cancel the operation in the DP VMware GUI or stop the vMotion task from the vCenter interface. Then, start the cleanup operation again.

FMV2484I Virtual Machine '*vm_name*' was successfully restored

Explanation: The Virtual Machine was successfully restored.

System action: None.

User response: None

FMV2485E Cannot query the Tivoli Storage Manager server to get instant access information

Explanation: The server did not respond to the query for instant access information.

System action: The virtual machine cleanup operation is halted.

User response: Examine the dsmerror.log file and the Tivoli Storage Manager server activity logs to determine the cause of this error.

FMV2488E Error mounting the iSCSI device.

Explanation: An error occurred while trying to mount the iSCSI device. Check the dsmerror.log file to determine the cause of this error.

System action: The operation was stopped.

User response: No action is required.

FMV2490E Could not power off the VM that is named '*VM*' .

Explanation: The specified virtual machine could not be powered off. This prevents attempts to clean up the resources that were created to restore the virtual machine.

System action: The restore operation was stopped.

User response: Power off the virtual machine and then delete it using the vSphere web client.

FMV2513I The virtual machine has no disks attached

Explanation: The virtual machine exists, but it does not have any disks attached. The machine can be cleaned up.

System action: None.

User response: None

FMV2514I Disk status cannot be determined

Explanation: It is not possible to determine the status of this disk.

System action: None.

User response: Examine the vSphere Client log to determine what is wrong with the machine. If the log entries do not reveal problems with this virtual machine, inspect the virtual machine in the vSphere Client to determine why the disk status cannot be determined. See the vSphere documentation for additional guidance, if necessary.

FMV2515I No additional information is available for this virtual machine. The virtual machine was deleted or it has been renamed

Explanation: Information about the virtual machine cannot be found on the ESXi host. The virtual machine might have been previously deleted or renamed.

System action: None.

User response: Use the vSphere Client to determine what happened to this virtual machine. If the virtual machine was renamed, make sure that it is running without errors before you clean up the temporary resources, by using the Restore VM command with the -VMRESToretype=VMCLEANUP option.

FMV2516E VMware storage vMotion operation failed. Restart the storage vMotion operation manually, by using the vSphere web client, to finish the restore operation. Refer to the documentation to get details about the manual recovery process.

Explanation: TSM Changes to the restored VM might not be permanently saved.

System action: TSM Automatic cleanup cannot be performed for the failed vMotion operation.

User response: Examine the event logs to determine the cause for the failure. Fix any problems and restart the storage vMotion operation manually, by using the vSphere web clien, to finish the restore operation. Refer to the vMotion documentation to get details about the manual recovery process.

FMV2517E Cannot query the Tivoli Storage Manager server to get instant restore information

Explanation: The server did not respond to the query for instant restore information.

System action: The virtual machine clean up operation stops.

User response: Examine the dsmerror.log file and the Tivoli Storage Manager server activity logs to determine the cause of this error.

FMV2519E **The disk \"*diskname*\" is an iSCSI device with an inactive path. Powering off the virtual machine will cause the ESXi server to hang. The clean up operation has been stopped to prevent this. Use the Query VM command with the -detail option to obtain detailed status information about the virtual machine. Correct the path so that the iSCSI state is active and then try running the VMFULLCleanup operation again.**

Explanation: A running virtual machine that has an inactive iSCSI device cannot be cleaned up.

System action: The virtual machine full clean up (VMRESTORType=VMFULLCLeanup) operation stops.

User response: For information about troubleshooting inactive iSCSI resources, search the VMware support pages by using a search string like "troubleshooting iSCSI" or "inactive iSCSI".

FMV2520E **The disk \"*diskname*\" is not a physical device. An instant restore clean up was stopped because vMotion could not restore all virtual machine data.. Use the Query VM command with the -detail option to obtain information about state of the specified disk. Use vMotion to manually migrate the virtual machine devices and then try the clean up operation again.**

Explanation: An instant restore clean up operation (-VMRESToretype=VMCLeanup) cannot complete because vMotion could not restore all of the virtual machine resources.

System action: The virtual machine clean up operation stops.

User response: Use the VMware documentation to determine how to use vMotion to migrate the virtual machine. Then, try the clean up operation again by using the Restore VM command with the -VMRESToretype=VMCLeanup option. If you do not want to restore this virtual machine, use the Restore VM command with the -VMRESTORType=VMFULLCLeanup option to remove the virtual machine and all of its resources.

FMV2521E **Instant restore operations require valid licenses for both vMotion and storage vMothion.**

Explanation: Instant restore works only when the ESXi host has a valid license for both vMotion and storage vMotion

System action: The instant restore operation is stopped.

User response: Obtain the necessary license from VMware and assign the license to the ESXi host.

FMV2522W **A user canceled the '*operationType*' operation .**

Explanation: A user canceled the restore/backup operation .

System action: The operation is stopped

User response: No response is required.

FMV2600S **Browser trying to establish connection to client; received socket exception:** *exception-name*

Explanation: The browser received the exception *exception-name* trying to connect to the TSM client computer.

System action: The TSM operation ends.

User response: Validate that the LAN is up and that you are trying to connect to the correct port number.

Check error logs for any additional information: dsmerror.log, dsmwebcl.log, or dsmj.log. The default location of these logs is the installation directory of the backup-archive client.

Ensure that the command line client runs without problems. Test the command line client with a command like "dsmc q sess".

FMV2601S **Browser trying to establish connection to client; received unknown host exception:** *exception-name*

Explanation: The browser received the exception *exception-name* trying to connect to the TSM client machine.

System action: The TSM operation ends.

User response: Retry the operation. If it persists, determine what might be causing this kind of a problem. Determine if your LAN went down. Determine if you are trying to connect to the correct TSM client machine.

FMV2602S **Browser trying to establish connection to client; received IO exception:** *exception-name*

Explanation: The browser received the exception *exception-name* trying to connect to the TSM client machine.

System action: The TSM operation ends.

User response: Determine what might be causing this kind of an exception. Retry the problem, and check if the LAN is down.

FMV2603S Browser trying to establish connection to client; received exception: *exception-name*

Explanation: The browser received the exception *exception-name* trying to connect to the TSM client machine.

System action: The TSM operation ends.

User response: Determine what might be causing this kind of an exception. Determine if the LAN may be down, or if the TSM Client Acceptor Daemon on the TSM machine is up and running.

FMV2604S The Web client agent was unable to authenticate with the server.

Explanation: The TSM Web client agent was unable to authenticate with the TSM server.

System action: The TSM operation ends.

User response: One possible solution is to run the command line client so that the client password can be re-entered. Another approach is to check the error log on the TSM Web client agent for any relevant messages.

FMV2605S Browser could not re-establish connection to client; received protocol error.

Explanation: The browser received a protocol error trying to re-connect to the TSM client machine.

System action: The TSM operation ends.

User response: Determine what might be causing this kind of an error. Determine if the TSM browser and the TSM client code might be out of sync.

FMV2606S An invalid password was sent to the server.

Explanation: The TSM password that was sent to the TSM server was invalid.

System action: The TSM operation ends.

User response: Make sure that you have the correct password. Also make sure that it is valid, for example it is not too short.

FMV2607S Browser could not establish connection to client.

Explanation: The TSM browser could not connect to the TSM client machine.

System action: The TSM operation ends.

User response: Determine what might be causing this kind of a problem. Determine if the LAN is down, or if the TSM Client Acceptor Daemon on the TSM machine is up and running.

FMV2608S Nothing was selected so no operation was performed.

Explanation: No object was selected in the GUI for the operation to be performed upon.

System action: The TSM operation ends.

User response: Make sure you select one or more objects (volume, directory or file) in the GUI before clicking on the operation to be performed.

FMV2609S TCP/IP communications failure between the browser and the client machine.

Explanation: This error can occur due to any of the following:

- The LAN connection to the TSM client machine went down.
- You are trying to connect to the TSM client machine using the wrong port number.
- The Client Acceptor Daemon on the TSM client machine is not up and running and accepting connections.

System action: The TSM operation ends.

User response: Retry the operation and make sure the LAN is up. Also check that the port number is correct, and that the Client Acceptor Daemon is started and running on the TSM client machine, and that it is listening on the correct port number.

FMV2610S TCP/IP communications failure between the client and the server machine.

Explanation: An attempt to connect to the server using TCP/IP communications failed. This can be a result of incorrect TCP/IP option settings in your client options file. This error can also occur if the LAN connection went down or if your system administrator canceled a backup operation.

System action: The TSM client ends.

User response: Retry the operation and make sure the LAN is up. Make sure that both the TSM server and the TSM client are up and running.

FMV2611S An unknown error occurred in the browser.

Explanation: An unknown error occurred in the applet running in the browser.

System action: The TSM operation ends.

User response: Retry the operation. If the problem persists, turn on tracing and see if the trace to the browser console gives the reason for the error.

FMV2612S An unknown error occurred in the client Please check the TSM Error Log for any additional information

Explanation: An unknown error occurred in the TSM client.

System action: The TSM client ends.

User response: Retry the operation. If the problem persists, check the TSM Error Log for any additional information.

FMV2613S A communications protocol error occurred between the web browser and the client.

Explanation: None.

System action: The operation ends.

User response: Try the operation again. If the problem occurs again, verify that the TSM web client is installed and configured correctly, and make sure you are using a supported browser. Flush the browser cache. Then try the operation again. If the problem persists, enable SERVICE traces on the web client on the target machine and the TSM Java applet, then reproduce the problem. Collect the traces and contact IBM for further assistance.

FMV2614S A protocol error occurred in communications between the client and the server.

Explanation: A protocol error happened between the TSM client and the TSM server.

System action: The TSM client ends.

User response: Retry the operation. If the problem persists, check the TSM Error Log for any additional information. Verify that you are running the correct applet with the appropriate level of the client.

FMV2615S The user ID entered does not match the node name configured on the client machine.

Explanation: The user ID that was entered is not the same as the node name on this TSM client.

System action: The TSM operation ends.

User response: Verify that the node name entered is configured correctly on the TSM client.

FMV2616I The machine must be rebooted for the changes to take effect

Explanation: The machine must be started for the restored registry changes to take effect.

System action: None

User response: Reboot the machine

FMV2617S The destination directory specified is invalid.

Explanation: The user specified a destination target directory for restore or retrieve which is invalid.

System action: The TSM operation ends.

User response: Retry the operation specifying a valid directory name.

FMV2618S Browser trying to retrieve resources; received resource exception: *exception-name*

Explanation: The browser received the exception *exception-name* trying to retrieve resources from the TSM client machine.

System action: The TSM operation ends.

User response: Verify that the resources are installed correctly on the TSM client machine.

FMV2619S The Client Acceptor Daemon was unable to start the Remote Client Agent.

Explanation: The TSM Client Acceptor Daemon could not start the TSM Remote Client Agent.

System action: The TSM operation ends.

User response: Check the error log on the TSM Web client agent for any relevant messages. Then correct the problem and retry.

FMV2620W The expand entire branch operation may take a long time, and cannot be canceled once it has started. Are you willing to wait for the operation to complete?

Explanation: The expand entire branch operation could take a long time and cannot be canceled once it is started.

System action: Processing stopped; waiting for user intervention.

User response: Answer 'Yes' to start the expand entire branch operation. If you answer 'No', the current operation will be canceled.

FMV2621W This function is not available on the client platform

Explanation: The browser received a request that is not available on the TSM client machine. For example, registry backup and restore are available only on the Windows platform.

System action: The TSM operation ends.

User response: Request only those functions that are

valid for the platform of the TSM client machine.

FMV2622S An invalid ID or password submitted.

Explanation: Either the ID is not registered on the TSM server, or the password for the ID is incorrect.

System action: The TSM operation ends.

User response: Verify that the ID you are using exists on the TSM server to which the remote client node connects. The ID must have sufficient privileges to access the remote client node's data. Also make sure that you have the correct password for the ID. If the ID does not exist or if the password is unknown, contact your TSM administrator. If the ID does not exist, then the TSM administrator can use the REGISTER ADMIN and GRANT AUTHORITY commands to register an ID that can access the remote client node's data. If the password is unknown, the TSM administrator can use the UPDATE ADMIN command to reset the password.

FMV2623S Web Client applet level is out of sync with Web Client agent.

Explanation: The Web Client applet and Web Client agents are at incompatible levels.

System action: The TSM operation ends.

User response: Verify that you have the correct level of the applet installed with the client, and that an incorrect level of the applet was not placed in the install directory.

FMV2624E This operation requires client owner authority.

Explanation: Your user ID has insufficient authority to perform this operation.

System action: Processing continues, but the user is not allowed to do this operation.

User response: Do not perform this operation, or get a higher authority level for your user ID in order to perform this operation.

FMV2625E Node does not support this image operation.

Explanation: Node does not support or is not configured to perform this image operation.

System action: Processing continues, but the user is not allowed to do this operation.

User response: Verify whether this image related operation is supported or configured on the target platform.

FMV2626E The Include-Exclude statement: *ieStatement* contains invalid characters.

Explanation: The specified Include-Exclude statement has invalid characters.

System action: TSM will not add the specified Include-Exclude statement to the list.

User response: Retry the operation with another statement that has valid characters.

FMV2627W The NTFS security attributes for object '*full-name*' could not be set. Windows system error code: *error*; reason: '*error-reason*'. Default NTFS security attributes have been set.

Explanation: TSM was unable to set the NTFS security attributes of the file. The error information captured indicates the reason for the failure. Default NTFS security attributes have been set.

System action: Processing continues.

User response: Check the reason field for the code which explains why the NTFS security attributes have not been set. Correct the condition causing the error and try the operation again. If the problem persists, contact your system administrator or TSM administrator for further help.

FMV2628W Failed to create named stream of object '*filespace namepath-namefile-name*'.

Explanation: TSM was unable to create named stream.

System action: The named stream is not restored/retrieved.

User response: The object is restored without named stream, the object should be examined to verify that it is usable. Check the client error log for FMV5250E error message that should have been logged when this message was written, take the corrective action and try the operation again. If the problem persists, contact your system administrator or TSM administrator for further help.

FMV2629I Migration: The filespace will be migrated to the Incremental Forever model.

Explanation: The first time an Incremental Forever Incremental (IFIncr) backup is performed against a virtual machine that was previously backed up using the Periodic Full model, and the latest backup is an incremental backup, then backup chain will be migrated to the Incremental Forever model.

System action: This message is for informational purposes only.

User response: No action is required.

FMV2666S Source and/or target volumes are duplicated. The same volume is mounted on more volume paths.

Explanation: This error can occur when a source volume is mapped on more volume paths, for example, a drive letter and one or more mount point directories. Because TSM uses the volume path to keep track of backup information in its internal backups database, it cannot back up the same volume with a duplicate volume path. See addition information in the error log.

System action: TSM cannot select the volume.

User response: Delete the last snapshots created as they are not managed by TSM. Unmount the duplicate volume path in order to have a single mount point to the same source volume. Restart TSM and retry the operation.

FMV2667I Scan operation was successful.

Explanation: The virtual machine was scanned successfully.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2668E Scan operation failed with an unexpected error.

Explanation: An unexpected error occurred during guest scan operations.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: Check the client error log for additional information.

FMV2669I Guest operating system platform is not supported.

Explanation: The operating system of the virtual machine was not supported by the scan operation.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2670I Remote directory in guest is being used by another application.

Explanation: The scan operation was unable to copy files to the remote directory because the directory is in use by another application.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: Ensure that the remote directory is unlocked. Then, reschedule the scan operation.

FMV2671I Virtual machine name was not found on the VMware server.

Explanation: None

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2672W Hostname could not be found for the specified virtual machine name.

Explanation: This issue might be caused by the virtual machine not running and not having a static IP address.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: Make sure the guest is properly configured. Then, reschedule the scan operation.

FMV2673I Duplicate virtual machine name was detected.

Explanation: None

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2674I The virtual machine is not connected to ESX server.

Explanation: None

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2675E Proxy Rejected: Proxy authority has not been granted to the specified data mover node.

Explanation: The scan of the virtual machine failed.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: The TSM server administrator must grant proxy authority for this node. See the administrator command "Grant Proxynode".

FMV2676W The guest operating system credential was not found.

Explanation: The guest scan operation requires a valid operating system credential.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: Ensure the guest operating system credential is set. Then, reschedule the scan operation.

FMV2677W The guest operating system credential is invalid.

Explanation: The guest scan operation requires a valid operating system credential.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: Ensure a valid guest operating system credential is set. Then, reschedule the scan operation.

FMV2678I Guest machine is powered off.

Explanation: None

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2679I VMware Tools on the guest machine is not running.

Explanation: None

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2680I VMware Tools version on the guest machine is not current.

Explanation: None

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2681W ESX host or vCenter version is not supported.

Explanation: The ESX host or vCenter is a down level version.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: Refer to the product documentation for supported ESX and vCenter versions.

FMV2682I The guest credential has insufficient permissions.

Explanation: None

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2683W Cannot communicate with the remote host.

Explanation: This communication issue is caused by network errors or by the host not responding.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: Ensure that the network and host connection are configured correctly. Then, reschedule the scan operation.

FMV2684I The guest operation agent could not be contacted.

Explanation: None

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2685I The VM is a template.

Explanation: VM templates are not supported by the scan operation.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: None

FMV2686E VM scan initialization error.

Explanation: The vm scan operation encountered an error during initialization.

System action: The scan process stops for the virtual machine. The next virtual machine in the data center will be processed.

User response: Check the client error log and trace for additional information.

FMV2687W The virtual machine '*VM-name*' contains one or more disks that exceed the maximum size limit. Specify the '-VMSKIPMAXVMDKS=yes' option to exclude these disks from the backup.

Explanation: The IBM Tivoli Storage Manager client does not support backing up VMDKs that are greater than the supported limit.

System action: The virtual machine is not backed up.

User response: Specify the '-VMSKIPMAXVMDKS=yes' option to exclude these disks from the backup.

FMV2697E The virtual machine cannot be restored because the datastore named '*datastore*' does not exist or is inactive.

Explanation: The datastore referenced by virtual machine when it was backed up does not exist or is inactive on the ESX/ESXi that you are restoring the virtual machine to.

System action: The virtual machine cannot be restored.

User response: Find the missing datastore or specify the -datastore option on the Restore VM command to specify an existing datastore to restore the virtual machine files to.

FMV2698E Snapshot operation failed.

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

System action: The requested operation stopped.

User response: Examine the client error log for additional messages related to this error. Perform corrective actions indicated by the messages, then try the operation again.

FMV2699W Importing VM '*vm name*' failed for vApp '*vapp name*'.

Explanation: The import VM from vSphere to a vCloud vApp operation failed.

System action: Restore processing for the vApp continues.

User response: Check the dsmerror.log file for information about why the VM was not imported. Then, try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2700E Restoring VM '*vm name*' of vApp '*vapp name*' is not possible. There is no VM backup data.

Explanation: During the vApp restore, a VM that exists in the restored vApp version could not be restored, because it was not successfully backed up.

System action: The restore operation will proceed, attempting to restore any available vApp backup data.

User response: Examine the client error log for any messages that might be indicate on the reason for the specified VM's backup failure. Contact TSM technical support if further assistance is required.

FMV2701E The attempted database operation was unsuccessful, check the TSM error log for any additional information.

Explanation: Processing stops.

System action: Reserved.

User response: Check the TSM error log for information regarding failure and take further action.

FMV2705S No DB2 UDB partitions are available for restore.

Explanation: No DB2 UDB partitions are available on the TSM server for restore. This is most likely due to a previous backup that was aborted before the backup completed. The DB2 UDB database and selected partitions cannot be restored.

System action: Processing stops.

User response: Issue the TSM client command QUERY DB2UDB command with the -DETAIL parameter using the same database, file, and date criteria to see if any database partitions are available for restore. Alternatively restore the DB2 UDB database from a different backup.

FMV2711E The snapshot of virtual machine '*VM-name*' was removed during the backup.

Explanation: The virtual machine snapshot was removed by another application or process during the backup. This removal corrupts the backup and it becomes unusable.

System action: The virtual machine is not backed up.

User response: Ensure that another application or process does not remove or modify the virtual machine during the backup.

FMV2712W **The virtual machine '*name*' has a VMware Tools running, but VMware Tools is out of date.**

Explanation: A supported version of VMware Tools must be installed, running and current to complete a virtual machine backup.

System action: The backup operation fails.

User response: Verify that a supported version of VMware Tools is installed, current and running. Then, try the backup operation again.

FMV2713E **The virtual machine '*VM-name*' is in an invalid connection state '*state*'. As a result, it cannot be backed up.**

Explanation: To back up a virtual machine it must be in the 'connected' state to be accessed.

System action: The virtual machine is not backed up.

User response: Return the virtual machine to the 'connected' state and try the backup again.

FMV2714W **The management class '*mc*' specified for the '*dest*' backup destination is invalid. The default management class will be used.**

Explanation: None.

System action: Processing continues.

User response: Contact the TSM administrator to run the configuration utility for DB2 UDB and specify a valid management class.

FMV2715E **The virtual machine '*VM-name*' is configured as a fault tolerant virtual machine. As a result, it cannot be backed up.**

Explanation: vSphere does not allow for the snapshot or backup of fault tolerant virtual machines with vStorage API for Data Protection.

System action: The virtual machine is not backed up.

User response: To back up a fault tolerant virtual machine with vStorage API for Data Protection, first disable fault tolerant. Then, after the backup completes, enable fault tolerant.

FMV2716E **A background copy process is still pending on local hardware. A restore operation cannot be initiated until the background copy process is completed.**

Explanation: None.

System action: Processing stops.

User response: Wait until the background copy process completes and retry the restore operation.

FMV2717E **The multi-node definition does not have permission to delete its own backup files from the server.**

Explanation: All DB2 UDB commands require that the multi-node definition has permission to delete its own backup files from the server in order to properly reconcile the local backup repository with the server backup repository.

System action: Processing stops.

User response: Have the TSM administrator update the multi-node definition so that it has permission to delete its own backup files from the server. For example, on the TSM administrative command-line client:. dsmadmc update node <multi-node name> backdelete=yes

FMV2718W **The virtual machine '*VM-name*' requires snapshot consolidation.**

Explanation: Snapshot consolidation is required when a snapshot is deleted but its associated disk is not committed back to the base disk. If consolidation is not completed, snapshot disks might grow and eventually fill the data store.

System action: The virtual machine backup continues.

User response: Consolidate the virtual machine snapshots according to instructions provided in the appropriate VMware vSphere documentation.

FMV2719E **A previous backup started on '*datetime*', is using the resources needed for new backup is still pending.**

Explanation: A new backup can not be done until previous backup completes.

System action: Processing stops.

User response: Wait until previous backup completes before starting another local backup. Alternatively, use different copyType value to perform a local backup. TSM local backup policy only allows one incremental and one full background copy to be pending at any time, before local backup resources are reused for a new backup version. A new local backup would result in a backup with background copy in pending state.

FMV2721E **The virtual machine is in an invalid connection state. As a result, it cannot be backed up.**

Explanation: One or more virtual machine backups failed because of an invalid connection state. A virtual machine must be in the 'connected' state to be accessed for backup.

System action: Processing stops for this virtual machine

User response: Check the console output and error logs for information about why the connection state was invalid. Correct any issues and try backing up the failed virtual machines.

FMV2722E There is not enough space in the local repository to complete this backup.

Explanation: This space available in the local repository is not enough to perform snapshot for this backup operation. It could happen if there is more number of local versions kept by the management class than there is space allocated in the local repository at configuration time or application configuration has changed such that previously allocated space is not enough.

System action: None.

User response: Please validate TSM configuration by running the configuration wizard.

FMV2724E The version of IBM Enterprise Storage Server is not supported.

Explanation: This product only supports IBM ESS microcode level 2.3 and 2.4.

System action: Process stops.

User response: Ensure that ESS microcode level 2.3 or 2.4 is installed.

FMV2726E The putenv command failed for path = *v1*.

Explanation: There was not enough memory in the environment to successfully set the environment.

System action: Process stops.

User response: Close all unneeded applications and try the operation again. For UNIX systems that support resource limits, check to see if the memory resource limit is too low by entering the following command:

```
ulimit -a
```

Based on the resulting data, you can ask the UNIX system root user to increase resource limits so that it will override the current default. The UNIX system root user has the authority to increase resource limits.

FMV2727E ESS Lun ID *v1* is not valid.

Explanation: Length of ESS LUN id must be 8 characters.

System action: Process stops.

User response: Make sure the length of ESS Lun id is 8.

FMV2728E The ESS jar file *v1* cannot be found.

Explanation: The Enterprise Storage Sub-system Copy Services JAR file could not be located.

System action: Process stops.

User response: In order to complete Enterprise Storage Sub-system Copy Services functions the Copy Services command line functions must be available. Check the Copy Services command line is installed and your Copy Services option setting is pointing to the installation directory of the command line.

FMV2729E Operating system command '*command*' failed; rc=*rc*.

Explanation: None.

System action: Process stops.

User response: Check the return code from the operating system for more information about the failure. Issue the failing command manually to see if the same failure occurs.

FMV2730E The primary and secondary copy service servers are down.

Explanation: None.

System action: Process stops.

User response: Start at least one of the ESS copy service servers. If copy server is already running, check the value of java home specified during configuration to make sure it is a valid path name of the directory where JRE is installed on master backup node. Use configuration wizard to update java home value for the configuration.

FMV2731E Cannot open the ESS command output file *v1* for writing.

Explanation: Can't open this file for writing.

System action: Process stops.

User response: Make sure you have enough space on your system and write permission to the file.

FMV2732E The ESS LUN '*Serial number string*' are already in use.

Explanation: One or more LUNs specified in the message are in use by other flashcopy operation. Therefore this flashcopy operation can not continue.

System action: Process stops.

User response: Release ESS LUN in order to reuse them.

FMV2736E **An unexpected response was received from a remote TSM file system agent. verb :** *verb* **remote host :** *host* **return code :** *rc* **reason code :** *rs* **msg. string :** *msg-string*

Explanation: None.

System action: Processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV2740E **The vApp restore operation failed.**

Explanation: The vApp restore operation failed. Check the error log for details on why the operation failed.

System action: Processing stops

User response: Review the console output and error logs for the details on the problem. Fix any issues and restart the operation.

FMV2744I **TESTFLAG DB2 enabled with the value of '***value***'.**

Explanation: None.

System action: This message is informational.

User response: None.

FMV2753I **Establishing inter-client communication with** *node* **node(s).**

Explanation: None.

System action: This message is informational.

User response: None.

FMV2785I **Gathering current DB2 configuration for '***type***' restore.**

Explanation: None.

System action: This message is informational.

User response: None.

FMV2798E **Unable to start a session from client node '***nodename***' multi-node '***multi-node***' to client at address '***ip-address***:***ip-port***'. The TSM return code is** *rc***.**

Explanation: None.

System action: This message is informational.

User response: None.

FMV2799E **An error was encountered during a session with another client. check the TSM error log for any additional information**

Explanation: This message is reserved for DB2 UDB.

System action: Reserved.

User response: This message is reserved for DB2 UDB.

FMV2800W **No TSM processes were found.**

Explanation: The QUERY PIDS command was unable to identify any known TSM processes running on the system. If the -FILTER option was used, no processes matching the filter specification were found.

System action: None.

User response: If you need to use dsmtrace to enable or disable tracing for a running client process, make sure that the client is already running. If you used the -FILTER option, try the command again with a different filter specification. You can use -FILTER=* to display all processes running on the system.

FMV2801E **The dsmtrace utility was unable to connect to the specified process.**

Explanation: This message typically occurs when the specified process ID is not active.

System action: None.

User response: If you need to use dsmtrace to enable or disable tracing for a running client process, make sure that the client is already running. Use the dsmtrace QUERY PIDS command to identify running client processes, then try the command again.

FMV2802I **Tracing has been disabled.**

Explanation: None.

System action: None.

User response: None.

FMV2803E **Tracing could not be disabled.**

Explanation: A problem occurred while trying to disable tracing for the specified process. This message is usually accompanied by other, more specific messages immediately preceding or following this message.

System action: No changes are made to the trace status of the specified process.

User response: Review the messages that immediately precede or follow this message for further information about this error.

FMV2804W Tracing is already enabled. -TRACEFILE, -TRACEMAX, and -TRACESEGSIZE are ignored.

Explanation: When tracing is already enabled for a client process, only the -TRACEFLAGS option has any effect.

System action: The -TRACEFLAGS options are set on the client process. -TRACEFILE, -TRACEMAX, and -TRACESEGSIZE are ignored.

User response: If you need to modify the -TRACEFILE, -TRACEMAX, or -TRACESEGSIZE settings, you must first use the dsmtrace DISABLE command to disable tracing for the client process. Then run the dsmtrace ENABLE command to configure the desired trace settings. If it is not necessary to modify these settings, then this message may be ignored.

FMV2805I Tracing has been enabled.

Explanation: None.

System action: None.

User response: None.

FMV2806E Tracing could not be enabled.

Explanation: A problem occurred while trying to enable tracing for the specified process. This message is usually accompanied by other, more specific messages immediately preceding or following this message.

System action: No changes are made to the trace status of the specified process.

User response: Review the messages that immediately precede or follow this message for further information about this error.

FMV2807E An incorrect number of parameters was specified for the *command-name* **command.**

Explanation: The specified command was invoked with too few or too many parameters.

System action: The command is not processed.

User response: Try the command again with the correct number of parameters. Run \"dsmtrace help\" for additional information on dsmtrace command syntax.

FMV2808W Incremental by snapshot difference backup did not locate the registered base snapshot '*regbase-name***' on NetApp/N-Series filer volume '***volume-name***'. Snapshot '***olderbase-name***' is used as the base snapshot.**

Explanation: Incremental by snapshot difference backup did not locate the specified registered base snapshot on the specified NetApp/N-Series filer volume. The most recent existing snapshot which is older than the registered base snapshot is used as the current base snapshot.

System action: Processing continues.

User response: None.

FMV2809E The backupid '*backupid:***' in the input file does not match the vmname '***vmname:***' being restored.**

Explanation: There is a discrepency between the backupid and vmname specified in the input file

System action: The virtual machine cannot be restored.

User response: Confirm that the backupid specified matches the vmname you are attempting to restore by re-running the inquire_detail command and make any necessary corrections before attempting the restore again.

FMV2810E The TSM for Virtual Environments Input File '*input file:***' appears to be empty.**

Explanation: While processing the Input File no items were found to operate on.

System action: The operation cannot continue with an empty list.

User response: Confirm that the input file is not empty and has valid input. If the file is not empty it may be that an error occurred while reading the file, please check the error log for any errors found during the reading of the file. If errors are found make the necessary corrections before attempting the operation again.

FMV2811E The TSM for Virtual Environments could not find a suitable datamover agent for the DataCenter Node '*datacenter nodename***'.**

Explanation: While processing Proxy relationships with the DataCenter Node specified, no appropriate datamover matches detected

System action: The operation cannot continue without a valid datamover.

User response: Work with your TSM Administrator to ensure that your DataCenter Nodes have granted proxy authority to your DataMover Nodes.

FMV2812E **The TSM for Virtual Environments could not find Datamover node named '*datamover nodename*' on the TSM Server.**

Explanation: While processing Proxy relationships with the DataCenter node and DataMover node specified, no appropriate Datamover node name matches detected.

System action: The operation cannot continue without a valid Datamover Node name.

User response: Make sure the Datamover node name specified is a valid TSM node name and that the node has the proper proxy relationships established.

FMV2813E **The TSM Server returned an empty network address or port number for '*datamover nodename*'.**

Explanation: While querying the TSM Server for the Datamover network address and port number, the Server returned zero for one of the values.

System action: The operation cannot continue without a valid Datamover network address and port number.

User response: This is usually the result of a Datamover Node not being started. Log on to the Datamover host and start or restart the DSMCAD service and retry the TSM for Virtual Environments command again. If the problem persists, work with your TSM Server Administrator to inspect the TSM Server activity log to identify the issue.

FMV2814E **TSM for Virtual Environments detected an error while parsing the Input File '*input file*'. The '*specifier*' appears to be empty or invalid.**

Explanation: While parsing the Input File an error occurred.

System action: The operation cannot continue without valid virtual machine specifications.

User response: This is usually the result of an empty virtual machine name or other identifier. Please check that the syntax of the Input File is correct for all entries and that virtual machine names are not empty and retry the operation.

FMV2815E **TSM for Virtual Environments detected an error while parsing '*read in line*' from the Input File '*input file*'.**

Explanation: While parsing the Input File an error occurred.

System action: The operation cannot continue without valid specifications in the Input File.

User response: This may be the result of an empty virtual machine name or other identifier. Please check that the syntax of the Input File is correct for all entries and that virtual machine names are not empty and retry the operation.

FMV2816E **TSM for Virtual Environments detected that the TSM Server IP address was not specified.**

Explanation: While parsing the command line options, an empty Server address was detected.

System action: The operation cannot continue without a valid network address for the TSM Server.

User response: This may be a result of the VMCLI profile having an empty VE_TSM_SERVER_NAME entry. Please check that the VMCLI profile is configured correctly specifying the TSM Server address.

FMV2817E **TSM for Virtual Environments detected that the vCenter Command-Line interface node name was not specified.**

Explanation: While parsing the command line options, an empty vCenter Command-Line interface node name was detected.

System action: The operation cannot continue without a valid vCenter Command-Line interface node name.

User response: This may be a result of the VMCLI profile having an empty VE__TSMCLI_NODE_NAME entry. Please check that the VMCLI profile is configured correctly specifying the vCenter Command-line interface node name.

FMV2818E **TSM for Virtual Environments detected that the TSM Server port was not specified.**

Explanation: While parsing the command line options, an empty TSM Server port was detected.

System action: The operation cannot continue without a valid TSM Server port.

User response: This may be a result of the VMCLI profile having an empty VE_TSM_SERVER_PORT entry. Please check that the VMCLI profile is configured correctly specifying the TSM Server port.

FMV2820E **An interrupt has occurred. The current operation will end and the client will shut down.**

Explanation: This message is issued when the process is interrupted by a break signal such as CTRL-BREAK or CTRL-C.

System action: The TSM operation and process are ended immediately.

User response: Restart the operation if desired.

FMV2821E The function is not supported on the platform.

Explanation: The specified function isn't supported on the specified platform.

System action: Processing stops.

User response: Please retry the specified function on a supported platform.

FMV2824E TSM for Virtual Environments detected that the node name representing the vCenter is not specified.

Explanation: While parsing the command line options, an empty vCenter node name was detected.

System action: The operation cannot continue without a valid vCenter node name.

User response: This may be a result of the VMCLI profile having an empty VE_VCENTER_NODE_NAME entry. Please check that the VMCLI profile is configured correctly specifying the vCenter node name.

FMV2825E TSM for Virtual Environments detected that the node name representing the Datacenter is not specified.

Explanation: While parsing the command line options, an empty datacenter node name was detected.

System action: The operation cannot continue without a valid datacenter node name.

User response: This is a result of the -d DataCenter Node Name not being passed in to the Command-line. Re-try the operation making sure to pass the -d Datacenter Node Name to the command-line call.

FMV2826E TSM for Virtual Environments detected that the node name representing the vCenter Datamover is not specified.

Explanation: While parsing the command line options, an empty Datamover node name was detected.

System action: The operation cannot continue without a valid Datamover node name.

User response: This is a result of the -o Datamover Node Name not being passed in to the Command-line. Re-try the operation making sure to pass the -o Datamover Node Name to the command-line call.

FMV2827E TSM for Virtual Environments detected that the input file is not specified.

Explanation: While parsing the command line options, an empty or non-existing input file name was detected.

System action: The operation cannot continue without a valid input file name.

User response: This is a result of the -I Inputfile name not being passed in to the Command-line. Re-try the operation making sure to pass the -I input file name to the command-line call.

FMV2828E Image operations are not supported for the specified file system.

Explanation: Image backup and restore are not supported for the specified file system.

System action: The requested image operation is not performed.

User response: Choose another object.

FMV2829E Image operations are not supported for GPFS.

Explanation: Image backup and restore are not supported for GPFS volumes.

System action: The requested image operation is not performed.

User response: Choose another object.

FMV2830E An incorrect number of parameters was specified.

Explanation: The specified command was invoked with too few or too many parameters.

System action: Processing stops.

User response: Try the command again with the correct number of parameters.

FMV2831E Incremental by snapshot difference cannot be performed on '*volume-name*' as it is of type '*type*' and is not a NetApp/N-Series '*fsType*' volume.

Explanation: The volume specified cannot be used for performing NetApp/N-Series snapshot difference incremental operation. The volume does not correspond to the NFS mount point or the CIFS shared drive for a Network Appliance or N-Series NAS volume. One possible reason for this failure is that snapshot difference incremental backups can only be performed against NetApp/N-Series NFS volumes on AIX/Linux platforms, or CIFS volumes on Windows platforms.

Another possible reason for this failure is that the qtree security style for the volume was incorrectly selected. If the CIFS volume is mapped on Windows, ensure that the security style is set to NTFS. If the volume is mounted as NFS, ensure that the security style is set to UNIX.

System action: Processing stops.

User response: Try the command again with a NetApp/N-Series NFS or CIFS volume with the correct security style.

FMV2832E **Incremental by snapshot difference failed for *filespace name*. See the error log for details.**

Explanation: Failed to perform NAS NFS/CIFS Incremental by snapshot difference operation.

System action: Processing stops.

User response: Take appropriate action based on the information in the error log. If the problem persists please contact your IBM Tivoli Storage Manager administrator.

FMV2833E **Incremental backup operation using snapshot difference failed because the base snapshot *snapshot name* is the same as the latest snapshot for the NAS volume *NAS volume*.**

Explanation: User specified that the latest snapshot on the NAS Filer be used as the difference snapshot during an incremental backup operation using snapshot difference. However, the previously taken base snapshot and the latest snapshot on the filer are identical.

System action: Processing stops.

User response: Try the operation again using the default value of "create" for the difference snapshot.

FMV2834E **You have to be a root user in order to perform incremental backup using snapshot difference.**

Explanation: Failed to perform NAS NFS/CIFS incremental backup operation using snapshot difference as the user was non root.

System action: Processing stops.

User response: Please retry the operation as root user.

FMV2835E **Incremental backup using snapshot difference is not supported on this platform.**

Explanation: NetApp NFS/CIFS incremental backup operation using snapshot difference is only supported on AIX, Linux and Windows platforms.

System action: Processing stops.

User response: Retry the incremental operation without the snapdiff option.

FMV2836E **Incremental backup operation using snapshot difference is only available for full volumes. is a partial volume or qtree.**

Explanation: Cannot perform NAS NFS/CIFS incremental backup operation using snapshot difference on the mounted or mapped volume due to one of the following reasons: 1) The volume is actually a qtree. 2) The volume is not a full volume, it is not mounted or mapped to the root of the volume.

System action: Processing stops.

User response: Retry the incremental backup operation by specifying an entire NAS NFS or CIFS volume.

FMV2837E **Failed to perform incremental backup operation using snapshot difference as the user id and password for NAS Filer " have not been configured correctly.**

Explanation: The user id and password for the specified NAS Filer have been either not configured or have been specified incorrectly.

System action: Processing stops.

User response: Use the 'set password -type=filer' command to define the user id and password for the specified NAS Filer and retry the incremental backup operation.

FMV2838W **The file path '*filename*' exceeds HSM maximaum path length.**

Explanation: A file that you tried to migrate has a path name that is too long.

System action: File skipped from migration.

User response: Place files into a shorter path to make them available for migration.

FMV2839E **Failed with ONTAPI error '*error_code*' while connecting to NetApp Filer '*filer_name*' using user id '*id_name*'. You might have provided credentials incorrectly for this Filer.**

Explanation: The user ID and password have been configured incorrectly for the specified Filer.

If you are using the snapdiffhttps option, ensure that you are not specifying vFiler volumes as vFiler does not support the HTTPS transport type.

System action: Processing stops.

User response: Make sure that the credentials you have specified for the Filer are the correct ones. Use the dsmc set password command to specify the correct credentials for your Filer and try the command again.

FMV2840E **Incremental backup using snapshot difference is not supported for Data ONTAP file server version '*version.modification.submodification*'. Upgrade the file server '*file-server-name*' to Data ONTAP version '7.3' or later in order to perform incremental backup operations using snapshot difference.**

Explanation: The file server specified is not at the Data ONTAP version that supports snapshot difference API.

System action: Processing stops.

User response: Upgrade the file server to Data ONTAP version 7.3 or later and retry the operation.

FMV2841E **Incremental by snapshot difference is only supported on AIX 64 bit and Linux 86 bit clients.**

Explanation: Incremental backup using snapshot difference feature is only available on IBM Tivoli Storage Manager AIX 64 bit and Linux 86 clients.

System action: Processing stops.

User response: Try the command again with an IBM Tivoli Storage Manager AIX 64 bit or Linux 86 client.

FMV2842E **TSM for Virtual Environments detected an error with the createsnap: keyword. createsnap:yes is specified while also specifying vmsnapname:***VMWare Snapshot Name***.**

Explanation: While parsing the Input File for FlashCopy Manager for VMWare offload backup, an error condition was detected with VM Ware snapshot handling. Specifying a VMWare Snapshot name while specifying createsnap:yes is not allowed.

System action: The operation cannot continue without specifying the correct createsnap: and vmsnapname: combination.

User response: This is a result of the -I Inputfile containing conflicting input for createsnap: and vmsnapname: keywords. If you intend to have TSM for Virtual Environments use a VMWare Snapshot created by FlashCopy Manager then specify createsnap:no with a valid VMWare Snapshot for the vmsnapname: keyword.

FMV2849E **Incremental backup operation using snapshot difference failed because a snapshot matching '*snapshot name*' could not be located on volume** *NAS volume***.**

Explanation: A snapshot name or pattern specified by the BASESNAPSHOTNAME or DIFFSNAPSHOTNAME option could not be located on the volume being backed up.

System action: Processing stops.

User response: Rety the operation and specify a snapshot with the BASESNAPSHOTNAME or DIFFSNAPSHOTNAME which exists on the specified volume.

FMV2850E **Error Creating Snapshot: Volume** *NAS volume* **is a snapmirror destination volume.**

Explanation: An attempt was made to create a snapshot on a read only snapmirror destination volume.

System action: Processing stops.

User response: Rety the operation using the USEEXISTINGBASE and DIFFSNAPSHOT=latest options.

FMV2851E **Snapshot Processing Error: .**

Explanation: An error occurred due to the reason specified in the message

System action: Processing stops.

User response: Ensure that the specified volume is online and allows write access.

FMV2852W **Registered Base Snapshot " no longer exists on volume .**

Explanation: The specified base snapshot registered by the previous backup no longer exists on the specified volume.

System action: Processing continues.

User response: The client will attempt to use an existing snapshot older than the missing registered snapshot as the base for the current backup.

FMV2853E **Unable to establish base snapshot on volume .**

Explanation: A base snapshot could not be created or selected on the specified volume.

System action: Processing stops.

User response: See other error messages to determine why the base could be established.

FMV2854E **Unable to establish diff snapshot on volume .**

Explanation: A diff snapshot could not be created or selected on the specified volume.

System action: Processing stops.

User response: See other error messages to determine why the diff could be established.

FMV2855W **TSM for Virtual Environments detected an error while parsing the Input File '*input file*'. The '*specifier*' should not be specified when using '*specifier*'. Option will be ignored.**

Explanation: While parsing the Input File an error occurred.

System action: The operation will continue ignoring this parameter.

User response: This is usually the result of an identifier used with the wrong option. Please check that the options in the Input File matches the requested operation and retry the operation.

FMV2856E **TSM for Virtual Environments detected that the node name representing the vCloud is not specified.**

Explanation: A node name that represents the vCloud is not specified in the VMCLI profile.

System action: The operation cannot continue without a valid vCloud node name.

User response: Specify the vCloud node name in the VE_VCENTER_NODE_NAME parameter in the VMCLI profile. Then, try the operation again.

FMV2857E **TSM for Virtual Environments detected while parsing '*read in line*' from the input file '*input file*' that option '*specifier*' is required for '*operation*' operation.**

Explanation: A required option or identifier is missing from the input file.

System action: The operation stops.

User response: This may be the result of a missing option or identifier. Verify that the syntax of the command and the syntax of the values in the input file are correct. Then, try the operation again.

FMV2858E **Failed to get the list of available VMs for backup**

Explanation: Failed to get the entire list of VMs in order to choose ones that needed to be backed up.

System action: The operation was stopped

User response: Verify that configuration parameters for connection to vCenter.

FMV2859E **Failed to locate the Organization VDC node that is used to store the backed up data.**

Explanation: The Organization VDC node that stores the backed up vApp data was not located. This node must be mapped to the Provider VDC node. This issue might be caused by invalid mapping between the Provider VDC node and the Organization VDC node.

System action: The operation was stopped

User response: Go to the Configuration page and click 'Run the Configuration Wizard' to verify that mapping information for the Provider VDC node is valid.

FMV2860E **The PRESNAPSHOTCMD command failed. The snapshot differential backup will not be executed.**

Explanation: The command specified by the PRESNAPSHOTCMD option must complete successfully in order to execute the snapshot differential backup. If the command completed with a return code of 0 (zero), it is considered to have completed successfully. If the command completed with any other return code, it is considered to have failed. If the command failed then the snapshot differential backup is not executed.

System action: The client does not execute the snapshot differential backup operation.

User response: Identify and repair the problem that caused the command to fail. If a non-zero return code is normal for this command, then consider wrapping the command in a script that always exits with a return code of zero.

FMV2861W **The POSTSNAPSHOTCMD command failed.**

Explanation: If the command specified by the POSTSNAPSHOTCMD option completed with a non-zero return code, the snapshot differential backup operation continues. The operation continues with a warning-level result. The result of the POSTSNAPSHOTCMD command does not supersede a higher result from the snapshot differential backup command. For example, if the snapshot differential backup command completed with code 12, a lower return code from the POSTSNAPSHOTCMD command does not alter the return code.

System action: The snapshot differential backup continues, but with a warning return code of at least 8.

User response: Identify and repair the problem that caused the command to fail. Consider wrapping the command in a script that always exits with a return code of zero.

FMV2863E **The backup-archive client failed to load the vCloud protection runtime library.**

Explanation: vCloud protection runtime library is not loaded by the backup-archive client.

System action: The operation is stopped

User response: Verify that the vCloud runtime library

exist in the 'plugins' folder under the client installation folder.

FMV2888E **Backup VM Full VM Incremental is unable to run. A valid TSM for Virtual Environments license file (*license-file*) cannot be located.**

Explanation: The license file was not found, or cannot be opened because of permissions, or the file is corrupted.

System action: The system returns to the calling procedure.

User response: Check permissions on file. See if the license file is in the correct place.

FMV2889I **The vApp '*vapp name*' was successfully restored under the name '*new vapp name*'**

Explanation: The restore operation was succesful in restoring the vApp into the specified name.

System action: This message is for informational purposes only.

User response: No action is required.

FMV2890E **Restore of vApp '*vapp name*' failed.**

Explanation: The restore operation on the vCloud for the specified vApp failed.

System action: The operation stops.

User response: Check the dsmerror.log file for information about why the restore operation failed. Then, try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2891W **The vApp '*vapp name*' was successfully restored. However, *failed vms num* out of *existing vms num* VMs were not restored.**

Explanation: Although the vApp restore operation on the vCloud completed successfully, one or more VMs were not restored.

System action: The operation completed successfully. However, some VMs were not restored.

User response: Check the dsmerror.log file for information about why the VMs were not restored. Then, try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2892E **Restoring VM '*vm name*' of vApp '*vapp name*' failed (Error *error code* occurred).**

Explanation: The VM identified in the error message was not restored. The error code identified in the message indicates why the VM was not restored. However, the restore operation for the vApp that contains the VM continues to process.

System action: Restore processing for the vApp continues.

User response: Check the dsmerror.log file for information about why the VM was not restored. Then, try the operation again. If the problem persists, visit the IBM Support Portal for additional information at http://www.ibm.com/support/entry/portal/.

FMV2900E **TSM for Virtual Environments detected that the scan domain was not specified.**

Explanation: While parsing the command line options, no scan domain was detected. This error occurred because the -domain option was not specified.

System action: The operation cannot continue without a valid scan domain.

User response: Run the operation again and specify the -domain option.

FMV2901E **TSM for Virtual Environments detected that the domain user was not specified.**

Explanation: While parsing the command line options, no domain user was detected. This error occurred because the -user option was not specified.

System action: The operation cannot continue without a valid domain user.

User response: Run the operation again and specify the -user option.

FMV2902E **Save domain password failed in function *func-name* with return code *return-code*.**

Explanation: An unexpected write access error occurred when the function tried to save the domain password. Write access does not exist to either the registry or to the TSM for Virtual Environments on Linux installation folder where the password file is saved.

System action: The operation ends.

User response: Grant write access to either the registry or to the TSM for Virtual Environments on Linux installation folder and try the operation again.

FMV2903E **Read domain password failed in function** *func-name* **with return code** *return-code***.**

Explanation: An unexpected error occurred when the function tried to read the domain password.

System action: The operation ends.

User response: On Windows, verify that the password exists in the registry. On Linux, verify that the password exists in the password file. Try the operation again.

FMV2998I **The option '***option***' that was found in the include/exclude file '***file-name***' at the line number:** *number* **is not supported and will be ignored by the client.**

Explanation: The specified option is valid but not supported on the current platform and will be ignored by the client.

System action: Processing continues.

User response: You can ignore the message or remove the option from the include/exclude file.

FMV3000I *communication-type* **communications available on port** *port-number***.**

Explanation: The specified communications are available on the specified port number.

System action: None.

User response: None.

FMV3001E **Error initializing HTTPS communications - Secure HTTP not available.**

Explanation: An error occurred initializing HTTPS communications. Processing will continue, but secure HTTP communications will not be available.

System action: Processing continues, but secure HTTP communications will not be available.

User response: Check the console and error logs to determine why secure HTTP communications was unable to start, correct the problem, and restart the client.

FMV3002I **Session started for user** *userid* **(***communication-method address***).**

Explanation: A session was started for the specified user.

System action: None.

User response: None.

FMV3003I **The new password is case sensitive.**

Explanation: Your account has been updated to use case sensitive password.

System action: None

User response: Make sure to remember the new password as you enter it, including character casing. For more details, contact your TSM administrator.

FMV3004E **Session for user** *userid* **terminated - invalid password entered.**

Explanation: A session was terminated for the specified user because an invalid password was entered.

System action: The session with the specified user is terminated.

User response: Re-start the remote client and enter the correct password for the specified user.

FMV3005I **Session for user** *userid* **terminated - idle for** *idle-minutes* **minutes.**

Explanation: A session was terminated for the specified user because there was no activity on the session for the specified number of minutes.

System action: The session with the specified user is terminated.

User response: Re-start the remote client to begin a new session.

FMV3006I **Processing request for the TSM Web Client (***ip-address***).**

Explanation: A request for the Web Client is being processed.

System action: None.

User response: None.

FMV3007I **TSM** *client-name* **terminating - idle for** *idle-minutes* **minutes.**

Explanation: The specified client is terminating because it has been idle for the specified time. It will be automatically started when it is needed.

System action: The client program stops.

User response: None.

FMV3008E **Too many symbolic links were detected while resolving name '***file_name***'**

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

System action: File skipped.

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

FMV3009E The Logical Volume Snapshot Agent plugin library was not found.

Explanation: The Logical Volume Snapshot Agent (LVSA) plugin library should have been installed when the client was installed, but it cannot be found.

System action: The selected operation is not performed.

User response: Try the operation again. If the problem recurs, re-install the TSM client software. If the problem persists, contact IBM technical support for further assistance.

FMV3010E The snapshot wizard operation failed.

Explanation: The snapshot wizard operation failed with a non-zero return code. Check the error log for additional information.

System action: The selected operation is not performed.

User response: Review the error log for any error messages, and then retry the operation after correcting the cause for failure.

FMV3011E Previous changes have not been commited. The machine must be rebooted before this operation can be performed

Explanation: A previous operation required the machine to be rebooted for the changes to take effect, but the machine has not been rebooted. The machine must be rebooted before this selected operation can be performed.

System action: The selected operation is not performed.

User response: Reboot the machine and then retry the operation.

FMV3012E The Logical Volume Snapshot Agent is not installed. Use the Setup Wizard to configure either Online Image or Open File support and choose the Logical Volume Snapshot Agent as the snapshot provider.

Explanation: The selected operation requires the Logical Volume Snapshot Agent, but it is not installed. Use the Setup Wizard to install the LVSA.

System action: The selected operation is not performed.

User response: Retry the operation after installing the Logical Volume Snapshot Agent.

FMV3013E The specified snapshot provider is not supported on this version of the operating system.

Explanation: The specified snapshot provider is not supported on the version of the operating system you are currently running. If another snapshot provider is available, select it and retry the operation.

System action: The selected operation is not performed.

User response: If another snapshot provider is available, select it and retry the operation.

FMV3014E Expose snapshot failed for backup document '*xml-backup-doc-file***'.**

Explanation: Expose snapshot failed.

System action: Processing stops

User response: See the dsmerror.log file for further details.

FMV3401W The entity *name* is invalid.

Explanation: A volume with this name could not be found or is not suitable for server-free operations.

System action: Processing stopped.

User response: Specify the correct name.

FMV3402W *name*: A system call *func* failed with code *rc*.

Explanation: An error occurred while obtaining information from the operating system. The volume information could not be obtained.

System action: Processing can continue if the information being obtained is not critical for the operation or if it is expected behaviour in the context of the operation being performed.

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

FMV3403W Volume *name* cannot be opened for reading. System error code is *err*.

Explanation: The named volume could not be opened. Examples of why this can occur include, but are not limited to: the device is not a valid system device, the device is locked by another application, or the user does not have correct or permissions. The operating system error code shown in the message indicates the specific reason for the failure.

System action: Processing stops.

User response: Use your operating system's tools to obtain the description of the error code. Also check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV3404W An error occured reading volume *name*.

Explanation: The named volume could not be read. Examples of why this can occur include, but are not limited to: the data being read is outside the valid range of the volume, or the device is locked by another application. The operating system error code shown in the message indicates the specific reason for the failure.

System action: If server-free data movement is used, processing continues using non-server-free data movement. Otherwise processing stops.

User response: Use your operating system's tools to obtain the description of the error code. Also check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV3405W File system *fs* on volume *name* is unknown.

Explanation: The file system on the volume is not supported for the operation being performed.

System action: If server-free data movement is used, processing continues using non-server-free data movement. Otherwise processing stops.

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

FMV3406W Physical mapping of the volume *name* is not supported.

Explanation: The logical volume layout is not currently supported for physical mapping.

System action:

User response: Refer to the documentation for information on what volume layouts are supported for physical mapping.

FMV3407W *name* is not local.

Explanation: The drive or filesystem is not local and is not suitable for image backup.

System action: Processing stopped.

User response: Specify a volume that is local.

FMV3408E System call 'umount' failed for volume '*volume*' with errno='*error*'. Please take suitable action based on errno and retry the operation.

Explanation: Umount failed for the specified volume with the indicated errno. Please take suitable action based on errno and retry the operation.

System action: Processing stopped.

User response: Check errno for umount failure and take corrective action before retrying the operation.

FMV3409W An error occurred writing to volume *name*.

Explanation: TSM could not write to the named volume. Examples of why this can occur include, but are not limited to: the data being written is outside the valid range of the volume, or the device is locked by another application. The operating system error code shown in the message indicates the specific reason for the failure.

System action: Processing stops.

User response: Use your operating system's tools to obtain the description of the error code. Also check the error log for any other messages that might indicate a reason for the failure. Try to correct any indicated problems, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV3410E The operating system refused a TSM request for memory allocation.

Explanation: TSM requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.
- The process in which the program runs has exceeded the maximum memory that it is allowed to allocate.
- Some other error condition occurred that caused the program to think it is out of memory.

System action: TSM cannot complete the requested operation.

User response: Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into serveral smaller units. For example, if a file specification contains several high level directories, run the TSM task serially for each directory. If the TSM task is an incremental backup, use the option "-memoryefficientbackup=yes".

For UNIX systems that support resource limits, check to see b if the memory resource limit is too low by

entering the following command: `ulimit -a`

Based on the resulting data, you can ask the UNIX system root user to increase resource limits so that it will override the current default. The UNIX system root user has the authority to increase resource limits.

FMV3411E Invalid arguments were passed to function *name*.

Explanation: The named function did not receive correct arguments to proceed. Please check error log for additional errors following this one for further explanation.

System action: Processing stops.

User response: Retry the operation. If problem persists contant your TSM administrator.

FMV3412I DiskMapper does not support *name* for entity *name*.

Explanation: The requested function is not implemented in DiskMapper at this time. Please report this error to your TSM administrator.

System action: Processing stops.

User response: Contact your TSM administrator.

FMV3413I DiskMapper object '*name*' type '*name*' is not valid.

Explanation: The named object is not valid on the originating client system.

System action: Processing stops.

User response: Retry the operation. If the problem persists, review the client error log for other messages that might be related to this problem. Contact your TSM administrator for additional help.

FMV3414I Disk '*name*' is not part of any container defined on the system.

Explanation: None.

System action: None. This is informational message.

User response: None.

FMV3415W At least one of the disk containing data for '*name*' has bad blocks.

Explanation: One or more physical disks containing data blocks of the above object has bad blocks and the requested operation can not continue.

System action: The system may find a work-around to complete the requested operation, pleasecheck console log and error log for additional information on corrective actions taken or suggested user action.

User response: Depending on the operation TSM may suggest an alternate way to complete the operation. Check your error log, sched log, or console log for additional information.

FMV3416E The volume '*name*' is currently in use by other process.

Explanation: The operation requires exclusive access to the volume. The most likely cause of this failure is that other process on the system has the volume opened.

System action: Processing stopped.

User response: Check applications running on your system to ensure that volume is not opened by any if the process and then retry the operation.

FMV3417W *name*: A system call *func* failed with code *rc* - *strerror*

Explanation: An error occurred while obtaining information from the operating system. The volume information could not be obtained.

System action: Processing can continue if the information being obtained is not critical for the operation or if it is expected behaviour in the context of the operation being performed.

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

FMV3418W Memory allocation request for image backup operation was refused by the operating system.

Explanation: TSM requires access to memory in order to store information about used blocks of a file system. In this case, more memory was requested than the operating system would allocate.

System action: If imagegapsize is too small for a dedicated filesystem and TSM faces out-of-memory condition then TSM automatically switches to full volume backup. Operation continues with imagegapsize = 0.

User response: Some recommendations to avoid the out-of-memory condition:

- check to see if the memory resource limit is too low by entering the following command: `ulimit -a` Then you can ask the UNIX system root user to increase memory limit.
- increase the value of the imagegapsize option. The bigger imagegapsize is used, the less memory is needed for image backup, but more unused data is sent to server. And vice versa: the smaller imagegapsize is used, the more memory is needed

for backup, but less unused data is sent to server. The outcome also depends much on how data is spread on the volume.

FMV4000E Error processing '*filespace-name*': file space does not exist.

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

System action: Processing stops.

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

FMV4001E The file space for domain '*filespace-name*' could not be found on the TSM server.

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

System action: TSM processing stops.

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

FMV4002E Error processing '*filespace-name*': volume label does not exist

Explanation: The selected drive does not have a label.

System action: TSM is unable to do the requested operation without a drive or label entered.

User response: If the drive is a floppy drive, place a disk with a volume label in it and retry the operation. If the disk is a hard drive, ensure the drive has a volume label, and retry the operation.

FMV4003E Error processing '*filespace-name*': duplicate volume label encountered

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

System action: TSM cannot select the drive.

User response: If the volume needs to be available to the system, exit TSM, and assign a volume label to the drive. Restart TSM and retry the operation.

FMV4004E Error processing '*filespace namepath-namefile-name*': destination file or directory is write locked

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

System action: File skipped.

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

FMV4005E Error processing '*filespace namepath-namefile-name*': file not found

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

System action: File skipped.

User response: None.

FMV4006E Error processing '*filespace namepath-namefile-name*': directory path not found

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

System action: The directory is skipped, processing continues

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

FMV4007E Error processing '*filespace namepath-namefile-name*': access to the object is denied

Explanation: Access to the specified file or directory is

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

System action: Processing stopped.

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

FMV4008E **Error processing '***filespace namepath-namefile-name***': file is temporarily unavailable**

Explanation: File is temporarily unavailable.

System action: File skipped.

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

FMV4009E **Error processing '***filespace namepath-namefile-name***': disk full condition**

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

System action: The client prompts you for action:

- Retry this object
- Skip this object
- Abort the action

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

FMV4010E **Error processing '***filespace namepath-namefile-name***': stale NFS handle**

Explanation: An NFS file system becomes stale.

System action: File system skipped.

User response: Check the NFS mounted filesystem.

FMV4011E **Error processing '***filespace namepath-namefile-name***': no file handles available**

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

System action: Processing stopped.

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

FMV4012E **'***filespace namepath-namefile-name***' already exists. It will be skipped.**

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

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

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

FMV4013E **Error processing '***filespace namepath-namefile-name***': invalid file handle**

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

System action: Processing stopped.

User response: Report the problem to your system administrator, and then retry the operation.

FMV4014E **Error processing '***filespace namepath-namefile-name***': unknown system error (***error-code***) encountered. Program ending.**

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

System action: processing stops.

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

FMV4015E **Error processing '***filespace namepath-namefile-name***': unexpected TSM error (***error-code***) encountered**

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

System action: processing stops.

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

or TSM administrator for further help.

FMV4016E **Error processing '*filespace namepath-namefile-name*': file is being executed; write permission denied**

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

System action: File skipped.

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

FMV4017E **Error processing '*filespace namepath-namefile-name*': too many symbolic links were detected while resolving name**

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

System action: File skipped.

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

FMV4018E **Error processing '*filespace namepath-namefile-name*': file name too long**

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

System action: File is skipped.

User response: See the appropriate *Using the Backup-Archive Client* book for the particular operating system, for the file names that are handled by TSM.

FMV4019E **Error processing '*filespace namepath-namefile-name*': file system is locked by system**

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

System action: TSM cannot complete the operation.

User response: See your system administrator.

FMV4020E **The data format for object '*filespace namepath-namefile-name*' is unknown. The unknown format usually occurs when the file was backed up or archived by a later version of IBM Tivoli Storage Manager.**

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

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

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

FMV4021E **Error processing '*filespace namepath-namefile-name*': file system not ready**

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

System action: Processing stopped.

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

FMV4022E **Error processing '*filespace namepath-namefile-name*': file system is invalid.**

Explanation: The drive was not available for access.

System action: processing stops.

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

FMV4023E **Error processing '*filespace namepath-namefile-name*': file input/output error**

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

System action: File skipped.

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

FMV4024E **Error processing '*filespace namepath-namefile-name*': file write error**

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

System action: File skipped.

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

FMV4025E **Error processing '*filespace namepath-namefile-name*': file exceeds user or system file limit**

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

AIX 68,589,453,312 (64GB)

HP-UX 1,099,511,627,775 (1TB-1)

Linux 2,147,483,647 (2GB)

Mac pre-OS9
2,147,482,624 (2GB-1K)

Mac OS9
18,446,744,073,709,551,616 (16EB)

NetWare
4,294,963,200 (4GB -4KB)

NUMA-Q® DYNIX/ptx®
4.5 1,095,216,660,480 (1TB-4GB)

OS/390®
4,294,967,295 (4GB)

SGI 18,446,744,073,709,551,615 (16EB-1)

Solaris 2.6 or higher
1,099,511,627,775 (1TB-1)

Tru64 UNIX
1,099,511,627,776 (1TB)

UnixWare
2,147,483,647 (2GB)

Windows ME (FAT32)
4,294,967,295 (4GB)

Windows NT/2000 (NTFS)
17,592,185,978,880 (16TB-64K)

System action: File skipped.

User response: Ensure that the system limits are set properly.

FMV4026W **Error processing '*filespace namepath-namefile-name*': size of '*file-size*' exceeded the maximum file size limit on your system**

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

System action: TSM cannot restore or retrieve the file.

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

FMV4027S **Error processing '*filespace namepath-namefile-name*': internal program message '*value*' encountered**

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

System action: Processing stopped.

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

FMV4028E **Error processing '*filespace namepath-namefile-name*': cannot create file/directory entry**

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

System action: File skipped.

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

FMV4029E **Error processing '*filespace namepath-namefile-name*': unable to build a directory path; a file exists with the same name as a directory**

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

System action: Processing stopped.

User response: Remove the file that has the same name as the directory. Refer to the last restore/retrieve operation and check all directories along the path.

FMV4030E **Error processing '*filespace namepath-namefile-name*': disk space limit for this process reached**

Explanation: The disk space allocated for the client owner is full.

System action: Processing stopped.

User response: Free up disk space and retry the restore or retrieve operation.

FMV4031E **Error processing '*file_space_namepath_namefile_name*'. Name exceeds an internal TSM limit.**

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

file_space_name, path_name or directory_name, file_name.

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

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

Linux
File_space_name               1024
Path_name or directory_name    768
File_name                      256

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

System action: The file is skipped.

User response: Reduce the size of the filename so that it is smaller that the TSM internal limits.

FMV4032E **Error processing '*filespace namepath-namefile-name*': file is not compressed.**

Explanation: A file that was flagged as compressed was not compressed, and the system failed.

System action: Processing stopped.

User response: See your system administrator to report this problem. This error is a system failure.

FMV4033E **Error processing '*filespace namepath-namefile-name*': file compressed on a different client machine that has more memory**

Explanation: You are trying to restore a file that was backed up and compressed on another client workstation that had more memory than your client workstation. You cannot restore this file. When the file is restored, it is expanded and your workstation does not have enough memory.

System action: TSM canceled the operation.

User response: Obtain a machine with more memory and retry the operation.

FMV4034E **Error processing '*filespace namepath-namefile-name*': unknown system error**

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

System action: Processing stopped.

User response: Retry the operation. If the problem continues, determine where the problem exists. See your system administrator for further help.

FMV4035W **File '*filespace namepath-namefile-name*' currently unavailable on server.**

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

System action: TSM Cannot restore or retrieve the file.

User response: Try to restore or retrieve after the file was made available on the server. See your system administrator.

FMV4036E **An error occurred saving the registry key.**

Explanation: The active registry key cannot be copied to the ADSM.SYS staging directory.

System action: Registry backup operation terminates.

User response: Check the space available on the Windows boot partition to ensure there enough space to contain a copy of the Windows registry. This might require several megabytes of free space. Also check the Windows permissions on the ADSM.SYS staging directory and ensure that the Windows user under which you are running TSM has full access to that directory and its contents.

FMV4037E **Object '*file-namefile-namefile-name*' changed during processing. Object skipped.**

Explanation: The specified *file-name* was skipped during backup, archive, or migrate because it was changing during the attempt to process it.

System action: TSM skipped the object.

User response: If you want the file backed up, archived, or migrated, retry the operation. If it fails, determine why the object is being changed. For more information on backing up, archiving, or migrating changing objects, see your system administrator.

FMV4038E **An error occurred processing file system '*filespace name*'.**

Explanation: File system '*filespace name*' is corrupted or contains one or more corrupted directories and cannot be processed.

System action: File system is skipped.

User response: Check your system to ensure that it is operating properly. For the Windows environment, run CHKDSK utility for the failing drive. More information about corrupted directories can be found in dsmerror.log.

FMV4039E **Error processing '*filespace namepath-namefile-name*': compressed file is corrupted and cannot be expanded.**

Explanation: The compressed file cannot be expanded correctly due to one of the following reasons:

- There is a problem on the tape.
- There is a communications problem.
- The compressed file was corrupted on the TSM Server.

System action: File skipped.

User response: 1) The compressed file is corrupted because there is a problem on the tape. To know if this is the problem, please issue the following command on the TSM Server: audit volume <volume_name> fix=no If there is any problem reported, you could move the data from that volume to a new one (see command MOVE DATA) and try again the restore. 2) There are communications problems between the TSM Server and the TSM Client and the results is that the file is corrupted during the transmission. If you use a gigabit ethernet adapter on the Server please upgrade the card driver (AIX platform) or add provided by SUN suggested changes to some system network options which have resolved this problem (SUN platform). 3) Please verify with your network support if during the restore there are no any problems between the TSM Client/Server that is originating the file corruption.

FMV4040E **Error processing '*filespace namepath-namefile-name*': file system *filespace name* has exceeded its space management quota.**

Explanation: TSM detects that the file system has exceeded its quota. No more data can be migrated out of this file system.

System action: TSM will not migrate files from this file system.

User response: Recall some files, or ask the system administrator to increase the quota for this file system.

FMV4041W **Error processing '*filespace namepath-namefile-name*': Out of free space or inodes in file system to migrate or recall.**

Explanation: The file system is full. No more free space or free inodes are available to be allocated for the transaction file that is needed when a file is being migrated or recalled.

System action: TSM terminates the current operation for this file system.

User response: Remove some files in the file system, and then run reconciliation. Retry the operation.

FMV4042E **Object name '*filespace namepath-namefile-name*' contains one or more unrecognized characters and is not valid.**

Explanation: The file name, directory name, or volume label syntax is incorrect.

System action: The file is skipped.

User response: Check the disk for errors.

FMV4044E **Error processing '*filespace-namepath-namefile-name*': Case-sensitive name conflict exists.**

Explanation: While processing the specified file on the workstation, another file name was encountered with a similar name which only differed in case. The Backup-Archive client does not allow names which differ only in case on this platform and cannot guarantee the integrity of the file, so the file is skipped.

System action: This object will be skipped.

User response: Rename the file in question to a unique name.

FMV4045E **Error processing '*filespace-namepath-namefile-name*': Case-sensitive name conflict exists. The directory tree will be skipped.**

Explanation: While processing the specified file on the workstation, another object name was encountered with a similar name which only differed in case. The Backup-Archive client does not allow names which differ only in case on this platform and cannot guarantee the integrity of the file, so the directory and all of the objects contained within it are skipped.

System action: This object will be skipped.

User response: Rename the file in question to a unique name.

FMV4046E **There is an error processing '*filespace-namepath-namefile-name*': the object is corrupted and unreadable.**

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

System action: This object will be skipped.

User response: Check your system to ensure that the filespace is not corrupted by using system tools like chkdsk (Windows) or fsck (UNIX).

FMV4047E **There is a read error on '*file-namefile-namefile-name*'. The file is skipped.**

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

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

System action: TSM skipped the file.

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

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

FMV4048W **LAN-Free connection failed.**

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

System action: The TSM client will failover to non LAN-Free support.

User response: Review the TSM error.log for LAN-Free failures. Check your LAN-Free setup and verify that all components are working properly.

FMV4049I **Established LAN-Free connection.**

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

System action: The TSM client will communicate with the server via LAN-Free.

User response: Review the TSM error.log for LAN-Free errors. Check your LAN-Free setup and verify that all components are working properly.

FMV4050W **Scheduled action '*schedule-action*' did not execute for schedule '*schedule-name*' as the TSM administrator has been disabled from executing the scheduled action on the client.**

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

System action: The scheduled operation will not be executed and a message will be logged to TSM Server indicating this.

User response: None required.

FMV4051E **Error processing '*filespace namepath-namefile-name*': The decryption option is in effect, but the user ID under which back-up or archive is being run is not authorized to decrypt this encrypted-file-system (EFS) file.**

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

System action: The file is skipped.

User response: There are three possible ways to make decryption work:

- Re-encrypt the file under the encryption key of a group to which both the owner and the back-up/archive user IDs belong
- Add the back-up/archive user ID to the list of users authorized to decrypt this file
- Run the back-up or archive under the owner's user ID, if possible

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FMV4052E **Error processing '*filespace namepath-namefile-name*': Encrypted-file-system (EFS) file cannot be restored, because file system does not support restore from the raw-EFS back-up data, or possibly because the restore function does not have write access to the directory.**

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

System action: The restore is terminated.

User response:

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

permissions must be changed or the restore must be run under a different user ID

FMV4053E **Error processing '*filespace path filename*': The file cannot be restored because the file system or operating system does not support the Encrypting File System (EFS) data.**

Explanation: The specified object was backed-up as raw Encrypting File System (EFS) data. The client is trying to restore or retrieve the object to a destination that does not support the EFS data. The location might not support the EFS data for one of the following reasons:

- The operating system does not provide the support, or is a release that does not include the support
- EFS support has not been activated on the operating system
- The target file system does not support the EFS data

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

User response: If this file must be restored, restore it to an AIX operating system environment supporting EFS data.

FMV4054E **Error processing '*filespace namepath-namefile-name*': The encryption key is not loaded.**

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

System action: The file is skipped.

User response: There are three situations in which this problem can occur:

- You just performed initial activation of EFS on the AIX system, and have not logged out. AIX does load the keys for the session running at the time of initial activation. Solution: Logout and login again.
- The login password has been changed recently, and you normally run with the EFS password the same as the login password. AIX does not automatically change the EFS password when you change the login password. Solution: Issue 'efskeymgr -n' to set the EFS password to be the same as the login password.
- You need to run the decrypting backup when the EFS password is different from the login password. Solution: Issue 'efskeymgr -o ksh' to launch a new shell with the keys loaded. AIX will prompt you for the EFS password as you launch the shell. Run the backup from the new shell.

FMV4055E **Cannot update file space '*filespace-name*': the file space version on the TSM server is not compatible with this client**

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

System action: Processing stops.

User response: Use the correct level of the client.

FMV4056E **Object '*object-name*' returned by the IBM Tivoli Storage Manager server has a high-level name that exceeds the maximum length of 6000 characters. The file or directory cannot be processed.**

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

This message is displayed when all of the following conditions are true:

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

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

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

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

FMV4058I **A write failure occurred while attempting to save node replication failover values to the options file.**

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

System action: The operation failed.

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

FMV4059I **The option USEREPLICATIONFailover is set. The node will not attempt a fail over to the secondary server**

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

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

User response: No response is required.

FMV4061I **Connected to secondary server** *secondary server;* **in fail over mode. Home server is:** *home server;*

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

System action: Processing continues.

User response: None.

FMV4063W **IBM Tivoli Storage Manager application protection did not copy the SqlServerWriter.xml and/or SQLDBINFO.XML files from VM '***VM***'. Individual SQL Database restore from this backup is not supported.**

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

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

User response: Make sure that the 'SQL Server VSS Writer' and the 'SQL Server' services are running on this guest machine. Then try the operation again.

FMV4064I **Restoring vCloud Director vApp '***vapp name***' from Organization VDC '***org vdc name***' from organization '***org name***' Target vApp name is '***restored vapp name***' Restore VAPP command started. Total number of vApps to process:** *vapps num to restore*

Explanation: The restore vApp operation completed.

System action: This message is for informational purposes only.

User response: No action is required.

FMV4065E **Proxy rejected: data mover node '***dm node***' has not been granted proxy authority for target node '***target_node***', associated with Organization vDC '***OVDC name***' of Organization '***Org Name***'.**

Explanation: The operation requires that a proxy access for the data center node is granted to the data mover node.

System action: Operation is canceled for the specified vApp.

User response: Run configuration wizard or configuration editor to configure proper nodes relashionship.

FMV4077E **File '***filespace namepath-namefile-name***' is encrypted by Microsoft EFS and contains at least one sparse data stream. The operating system does not support restore for this file so it is not backed up or restored.**

Explanation: An error in the Microsoft Windows API prevents successful restore of files that meet the following conditions:

- The file is encrypted by Microsoft Encrypting File System (EFS) at the time it was backed up
- The file includes at least one data stream (alternate "named" stream or unnamed stream) that is sparse
- The operating system is any edition of Microsoft XP, Microsoft Windows Server 2003, or Microsoft Windows Server 2003 R2

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

System action: The file is not backed up or restored. Processing continues with the next object or ends if there are no further objects.

User response: If this message is issued during a backup operation, you can do the following:

- Disable EFS encryption for the file so that it can be backed up.

- If a backup copy of the file is not necessary, you can exclude it from backup.

FMV4081E **Error processing '*filespace-name*': file space type is not supported.**

Explanation: The specified file space type is not currently supported by TSM on this platform.

System action: The unsupported file system is skipped. Processing continues with the next file system.

User response: Refer to the documentation for information on what file space types are supported.

FMV4082I **Node password has been reset to the administrative id password.**

Explanation: The client logged in using administrative id rather than node name. The node password has been reset to be in sync with the administrative password.

System action: Processing continues.

User response: None.

FMV4083I **New node password has been generated.**

Explanation: The client logged in using administrative id rather than node name. New random node password has been generated and recorded.

System action: Processing continues.

User response: None.

FMV4084E **Error processing '*filespace-namepath-namefile-name*': cannot get file status.**

Explanation: While processing the file, the lstat() call set EOVERFLOW error code.

System action: This file will be skipped.

User response: The file is skipped. Processing continues with the next file.

FMV4085I **Assigned '*number*' objects from previous systemstate backup to the new systemstate backup.**

Explanation: Objects in the previous System State backup have not changed and were assigned to the new System State backup.

System action: Processing continues.

User response: None.

FMV4086W **Failed to assign unchanged objects from previous systemstate backup to the new systemstate backup. Objects will be backed up.**

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

System action: Processing continues.

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

FMV4087E **An attempt to load data for the wizard failed. For more information, please see the log file.**

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

System action: Processing stopped.

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

FMV4089W **File server *file-server-name* has been upgraded to Data ONTAP version '*version.modifcation.submodification*'. Perform a full incremental backup by specifying option createnewbase=migrate as soon as possible.**

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

System action: Processing continues.

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

FMV4090I **File server *file-server-name* has been upgraded to Data ONTAP version '*version.modifcation.submodification*'. Perform a full incremental backup by specifying option createnewbase=migrate as soon as possible.**

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

previous version of the IBM Tivoli Storage Manager client.

System action: Processing continues.

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

FMV4092E Data mover platform is not supported for instant access/restore operations.

Explanation: The instant access/restore operation failed.

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

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

FMV4099E The system volume cannot be identified. Therefore the system state cannot be backed up.

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

System action: Systemstate backup stops.

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

FMV4137E Error processing '*filespace namepath-namefile-name***': exceeded maximum number of links allowed**

Explanation: Link cannot be restored or retrieved because the destination file system has exceeded maximum number of links allowed.

System action: The client prompts you for action:

- Skip this object
- Abort the action

User response: Select the appropriate action for this object. Restore or retrieve the link to another file system.

FMV4148E Full VM backup of Virtual Machine '*vmname***' failed with RC** *rc*

Explanation: The Full VM backup of virtual machine failed.

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

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

FMV4150E Incremental backup of Virtual Machine '*vmname***' failed with RC** *rc*

Explanation: The incremental backup of virtual machine volumes failed.

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

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

FMV4151E Failure mounting Virtual Machine '*vmname***'. RC=***rc***.**

Explanation: The VMware failed to mount virtual machine disk.

System action: The backup of the virtual machine can not continue. The next virtual machine in the vmlist will be processed. Refer to dsmerror.log for detailed error message for the reason for the failure.

User response: Refer to dsmerror.log for detailed error message.

FMV4152E Failure initializing VMware virtual machine environment. RC=*rc***. Refer to IBM Tivoli Storage Manager error log for detailed error messages.**

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

System action: The backup can not continue.

User response: Refer to IBM Tivoli Storage Manager error log for detailed messages.

FMV4153E Hostname could not be found for Virtual Machine '*vmname***'**

Explanation: The backup of virtual machine failed.

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

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

FMV4154E **Possible cause Virtual Machine is not running and does not have a static IP address.**

Explanation: The backup of virtual machine failed.

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

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

FMV4155E **Virtual Machine '***vmname***' could not be found on VMware server.**

Explanation: The backup of virtual machine failed.

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

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

FMV4156E **File level VM backup of virtual machine '***vmname***' not supported. File level VM backup not support on non Windows platform guest OS. Platform type: '***platform***'.**

Explanation: The backup of virtual machine failed.

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

User response: Backup using Full VM support.

FMV4159E **Backup of Virtual Machine '***vmname***' failed. rc=***rc***.**

Explanation: The backup of virtual machine failed.

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

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

FMV4160E **Proxy Rejected: Proxy authority has not been granted to Agent Node: '***agent_node***' for Target Node: '***target_node***'.**

Explanation: The backup of virtual machine failed.

System action: The backup of the virtual machine finished with failures. The next virtual machine in the vmlist will be processed. The reason for the failure is the node has not been granted proxy authority to access the node named by the backup proxy node. The TSM administrator must first grant proxy authority.

User response: The TSM server administrator must grant proxy authority for this node. See the administrator command "Grant Proxynode".

FMV4161E **Duplicate virtual machine name '***vmname***' was detected in the same backup operation. Backup of virtual machine '***vmfullname***' can not continue without a unique object name.**

Explanation: The backup of virtual machine failed.

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

User response: Choose a unique name for the virtual machine.

FMV4162E **The virtual machine '***virtual-machine-name***' has not been previously backed up.**

Explanation: The specified virtual machine has not been previously backed up, so can not be specified for restore.

System action: The specified virtual machine is skipped, and the next virtual machine in the restore list is processed.

User response: Verify the virtual machine name to be restored, and re-try the operation.

FMV4163I **Encryption is currently enabled, but the virtual machine backup for '***virtual-machine-name***' will not be encrypted.**

Explanation: Virtual Machine files are not encrypted when backed up to the TSM server.

System action: The virtual machine files are not encrypted during the backup processing.

User response: No user action is necessary.

FMV4164W **Compression is currently enabled, but the virtual machine backup for '***virtual-machine-name***' is not compressed because client-side deduplication is not being used.**

Explanation: Compression can only be used with virtual machine CTL and Data files when the files are stored in a storage pool that is enabled for client-side deduplication. This message is issued when the client is

configured for compression and virtual machine CTL or Data files are directed to a storage pool that is not enabled for client-side deduplication.

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

User response: If you intend to compress virtual machine CTL and Data files, then update your Tivoli Storage Manager configuration so that both types of files are directed to storage pools that are enabled for client-side deduplication. If you intend to compress virtual machine Data files but not CTL files, then update your Tivoli Storage Manager configuration so that the Data files are directed to a storage pool that is enabled for client-side deduplication. Set the VMSKIPCTLCOMPRESSION to YES in your client options file. If you do not intend to use compression, then set COMPRESSION NO in your client options file.

FMV4165E **Creating a Virtual Machine, but the hostname '*virtual-machine-name*' was not found.**

Explanation: The Virtual Machine being creating must have a valid hostname to be created.

System action: Check the virtual machine hostname specified for correctness.

User response: Correct the virtual machine hostname specified and retry the restore.

FMV4166E **Creating a Virtual Machine, but the datacenter '*virtual-machine-name*' was not found. The name may be incorrect or may be located in a VMware folder and require the folder name such as vmfolder/dcname.**

Explanation: The Virtual Machine being created must have a valid datacenter to be created.

System action: Processing stops.

User response: Check the virtual machine datacenter specified for correctness. If the datacenter is contained in a folder then the full datacenter name, complete with the folder path, must be specified, such as vmfolder/dcname.

FMV4167E **Creating a Virtual Machine, but the datastore '*virtual-machine-name*' was not found.**

Explanation: The Virtual Machine being creating must have a valid datastore to be created.

System action: Check the virtual machine datastore specified for correctness.

User response: Correct the virtual machine datastore specified and retry the restore.

FMV4168E **VMware has reported an error via their SOAP interface. On the Detailed Status Report panel, view the last error message reported. Also check the error log for more information about the problem that occurred.**

Explanation: The command to VMware failed to complete. The error returned is displayed on the Restore or Backup summary panel under the Last Error Message section.

System action: An error occurred, and the operation failed.

User response: Check the reported error and correct the problem. Usually the reason for the error is a user-supplied value which is not valid for the operation.

FMV4169E **A write failure occurred on the local disk proxy used to temporarily store the virtual machine virtual disk information. The write failure can be caused by the lack of available disk space on the drive used to store this information. The VMBACKDIR option can be used to assign a different disk location for this purpose. Check the drive being used and ensure that there is enough space available for this operation.**

Explanation: There was a write error from the local disk used to store the virtual machine virtual disk information. Usually the write error is due to lack of disk space, lack of write permissions, or some similar problem with the local disk. The VMBACKDIR option can be used to assign a different disk location if the local drive does not have enough free space for the operation.

System action: A disk write error occurred, and the operation failed.

User response: Check the local disk for possible causes of the write error, and use the VMBACKDIR option to assign another disk if needed.

FMV4170E **Can not create a Virtual Machine on VMware release '*release-version-target*' which was backed up from VMware release '*release-version-source*'.**

Explanation: The Virtual Machine being created was backed up from a version of VMware which is not compatible with the target VMware release version being used for the restore.

System action: Processing stops.

User response: Restore the Virtual Machine to a VMware system which is compatible with the level from which the Virtual Machine was backed up.

FMV4171E **Backup of virtual machine '*vmname*' failed. VM could not be contacted because of '*vmfullname*' connection state.**

Explanation: The backup of virtual machine failed.

System action: The backup of the virtual machine finished with failures. The next virtual machine in list will be processed.

User response: Correct the connection state from VMware vCenter and assign VM to an ESX Server.

FMV4174E **Full VM backup of VMware Virtual Machine '*vmname*' failed with RC=*rc* mode=*full_or_incr*, target node name='*target_node_name*', data mover node name='*data_mover_node_name*'**

Explanation: The Full VM backup of virtual machine failed.

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

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

FMV4177E **Full VM restore of VMware Virtual Machine '*vmname*' failed with RC=*rc* target node name='*target_node_name*', data mover node name='*data_mover_node_name*'**

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

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

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

FMV4178W **Compression is currently enabled, but the virtual machine control files for '*virtual-machine-name*' will not be compressed because client-side deduplication is not being used for the management class default or specified by the -vmctlmc option for '*vm-ctl-mgmt-class-name*'.**

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

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

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

FMV4179I **IBM Tivoli Storage Manager application protection did not truncate the Microsoft SQL Server logs on VM '*VM*'.**

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

System action: The operation completes.

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

FMV4187W **CPU and Memory Resource Allocation configuration settings cannot be restored when the IBM Tivoli Storage Manager data mover node is connected directly to a Virtual Center managed ESX/ESXi host. These settings have been skipped.**

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

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

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

FMV4191E **Restore VM operation failed using 'san' transport mode. In some cases switching from SAN to network-based VM restores can be successful.**

Explanation: Restore VM operations that fail using SAN transport mode can often be successful over a LAN path. If a restore vm operation fails using the 'SAN' transport mode, set the client option VMVSTORTRANSPORT to "nbd:nbdssl" and try the restore vm operation again.

System action: Restore VM operation failed using 'san' transport mode. Restore may be successful using 'nbd:nbdssl' transport modes.

User response: Restore VM operation failed using 'san' transport mode. In some cases network-based VM restores can be successful when using 'nbd' or 'nbdssl' transport modes. The VMVSTORTRANSPORT option can used to restrict the TSM client to use only the specified transport modes.

FMV4193E **vApp '***vApp name***' cannot be processed because data mover '***dm node***' cannot connect to the target node '***target_node***'.**

Explanation: The operation requires that a proxy access for the data center node is granted to the data mover node.

System action: Operation is canceled for the specified vApp.

User response: Look for errors in error log and correct any problems. Run configuration wizard or configuration editor to ensure proper nodes configuration.

FMV4195E **The target node for Organization VDC '***OrgVDC name***' in Organization '***Org name***' was not found. As a result, vApp '***vApp name***' cannot be backed up.**

Explanation: Either the TSM node for the specified organization VDC was not found on the TSM server, or information about the Organization VDC node was not found in the Provider VDC node.

System action: Back up of the specified vApp stops. Processing continues to the next vApp.

User response: Go to the Configuration page and click 'Run the Configuration Wizard' to verify that all required TSM nodes are registered on the TSM server. If required, register a new data mover node. Make sure that the organization VDC belongs to the provider VDC that this data mover node protects.

FMV4199W **File '***file name***' is not backed up as part of the system state because cluster disk '***volume name***' is not accessible.**

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

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

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

FMV4200I *architecture*, *schedule-name*, *domain-name*: **The Deployment Manager process was started successfully. Deployment Manager Version Information:** *version*.

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

System action: Deployment Manager continues to process.

User response: None

FMV4202E **The Deployment Manager failed to install language pack:** *language pack name*. **The Microsoft Installer error code was** *error code*.

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

System action: Processing continues.

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

Check the install log on the client computer.

FMV4204E **The Operating System of the client computer:** *os name* **is not supported by the target version:** *target version***.**

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

System action: Processing stops.

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

FMV4206E **The Deployment Manager received an error while extracting from installation image:** *image name***.**

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

System action: Deployment Manager stops.

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

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

FMV4208E **The Deployment Manager could not shut down TSM service:** *service name***.**

Explanation: None

System action: Processing continues.

User response: None

FMV4210E **The Deployment Manager failed to install package:** *client package name***. The Microsoft Installer error code was** *error code***.**

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

System action: Processing stops.

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

Check the install log on the client computer.

FMV4212E **The Deployment Manager failed to restart service:** *service name***.**

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

System action: Processing stops.

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

FMV4213E **Automatic restart of the client computer was required because** *reason*

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

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

The current client is not uninstalled or updated.

System action: Deployment Manager cancels the client deployment and stops

User response: Reschedule the client deployment.

FMV4214E **The operating system platform of the client package '***OS platform of package***' is incompatible with the client computer '***OS platform of client computer***'.**

Explanation: None

System action: Processing stops.

User response: Reschedule the client deployment. Use a client package with the appropriate operating system platform.

FMV4215E **The automatic deployment path from the current client code version '***source version***' to the client package version '***target version***' is not supported.**

Explanation: None

System action: Processing stops.

User response: Refer to the Tivoli Storage Manager Backup-Archive Client documentation in the information center.

Reschedule the client deployment with an appropriate target level.

FMV4216E **The TSM API library version** *API version* **is at an earlier version than the version of the client package** *package version***.**

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

System action: Deployment Manager stops processing.

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

FMV4217E **The Deployment Manager received an error while setting up the client API. The standard API function being invoked is** *API setup function name***.**

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

System action: Processing stops.

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

FMV4218E **The Deployment Manager received an error while initializing the client API. The standard API function being invoked was** *API init function name***.**

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

System action: Processing stops.

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

FMV4219E **The Deployment Manager received an error while creating a pipe for the standard output of the child process.**

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

System action: Processing stops.

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

FMV4220E **The Deployment Manager is unable to determine if TSM processes are still running.**

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

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

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

FMV4221E **The architecture of the package:** *package architecture* **does not match the current client:** *system architecture***.**

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

System action: Processing stops.

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

FMV4222E **The Deployment Manager is unable to read information in file:** *file name***.**

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

System action: Processing stops.

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

FMV4223E **The Deployment Manager is missing required information in file:** *file_name***.**

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

System action: Processing stops.

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

FMV4225W **The setup script is still waiting for the result of querying system information. Ensure that "PASSWORDACCESS GENERATE" is set in the client options file and that a connection to the server can be made without being prompted for a password.**

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

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

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

FMV4226E **There is at least one error in the post schedule command of the client deployment schedule.**

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

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

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

FMV4227E **The Deployment Manager failed to install package:** *client package name***. The client computer is out of disk space. The Microsoft Installer error code was** *error code***.**

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

package failed because the client computer is out of disk space.

System action: Processing stops.

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

Check the install log on the client computer.

FMV4228E **The Deployment Manager failed to install language pack:** *language pack name***. The client computer is out of disk space. The Microsoft Installer error code was** *error code***.**

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

System action: Processing continues.

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

Check the install log on the client computer.

FMV4229I **The client computer is required to restart to complete the new Backup-Archive client installation.**

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

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

User response: None

FMV4230I **The client computer will be shut down and restarted immediately.**

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

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

User response: None

FMV4231E **The deployment for language pack:** *image name* **was cancelled.**

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

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

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

FMV4232E **Self-extracting installation image:** *image name* **cannot be found.**

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

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

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

FMV4234E **The deployment for language packs failed.**

Explanation: The Deployment Manager failed to install one or more language packs. It is possible the other messages provide details of the installation.

System action: The Deployment Manager process continues.

User response: Check the error log and installation on the client computer. Identify the language packs that failed to install and manually deploy them.

FMV4235I **The deployment manager cannot log events to the server.**

Explanation: The Deployment Manager is unable to log events to the server. It is possible the other messages provide details of the communications.

System action: The Deployment Manager process continues. Events will be logged locally on the client machine only.

User response: Check network connection and the error log on the client computer.

FMV4236E **The setup script was unable to query the registry for the Tivoli Storage Manager client installation directory.**

Explanation: The setup script encountered an error while querying the Windows registry for

[HKLM\SOFTWARE\IBM\ADSM\CurrentVersion\
BackupClient].

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

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

FMV4237W **Query system information was completed with warnings or errors. ErrorLevel was** *error level*

Explanation: The setup script encountered warnings or errors while querying system information.

System action: Processing continues. The Deployment Manager will check to see if required system information is available. Client deployment could be cancelled if required information is missing.

User response: Check the error log of the backup-archive client for warning and error messages.

FMV4238E **Processor Architecture information is missing in the system information.**

Explanation: It is possible the setup script encountered a warning or error while querying system information.

System action: Processing stops. Client deployment will not start.

User response: Check the error log of the backup-archive client for warning and error messages.

FMV4239E **Processor Architecture information is missing in the client package.**

Explanation: It is possible the client deployment package is missing or corrupted.

System action: Processing stops. Client deployment will not start.

User response: Ensure that the client package is available and imported to the server correctly.

FMV4240E **Client version information is missing in the client package.**

Explanation: It is possible the client deployment package is missing or corrupted.

System action: Processing stops. Client deployment will not start.

User response: Ensure that the client package is available and imported to the server correctly.

FMV4241I **Architecture of the package:** *package architecture* **does not match the current client:** *system architecture***. The setup script is attempting to retrieve the matching package.**

Explanation: The setup script is trying to retrieve the matching client package from the server.

System action: Processing continues.

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

FMV4242E **The setup script encountered a warning or error while retrieving the client package for** *architecture***. The error level is** *error level***.**

Explanation: It is possible the client package is not available on the server.

System action: Processing stops.

User response: Ensure that client packages for all architectures are available on the server. Check the backup-archive client error log for more detailed error messages.

FMV4243I **The setup script successfully retrieved the client package for** *architecture***.**

Explanation: The client package that was downloaded matches the processor architecture of the current client.

System action: Processing continues.

User response: None

FMV4244E **The setup script failed to install the Microsoft Visual C++ redistributable package. Error Level is** *error level***.**

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

System action: Processing stops.

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

FMV4245I **The setup script successfully installed the Microsoft Visual C++ redistributable package.**

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

System action: Processing continues.

User response: none

FMV4246E **The setup script failed to start the Deployment Manager program. Error Level is** *error level***.**

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

System action: Processing stops.

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

FMV4247I **The setup script successfully started the Deployment Manager program.**

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

System action: Processing continues.

User response: None

FMV4248E **The client is already at the target level: '***target version***'.**

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

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

User response: Refer to the Tivoli Storage Manager Backup-Archive Client documentation in the information center.

Reschedule the client deployment with an appropriate target level.

FMV4249E **The setup script was unable to query the registry for the client scheduler service name.**

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

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

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

FMV4250E **There is already a deployment manager running on this computer.**

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

System action: Processing stops.

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

FMV4251W *writername* **file '***filename***': not found.**

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

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

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

FMV4252E **The deployment manager failed to start as a scheduled task.**

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

System action: Processing stops.

User response: Ensure that the Windows Task Scheduler service is running. It is possible that the system event log contains more details about the failure. Reschedule the client deployment.

FMV4253E **There was not enough disk space on the client computer. Required space:** *package space* **bytes; available space:** *system space* **bytes.**

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

System action: Processing stops.

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

FMV4254E **The deployment manager detected an HSM client on the workstation that it needs to deploy the Backup-Archive client to.**

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

System action: Processing stops.

User response: Uninstall the HSM client and

reschedule the Backup-Archive client deployment.

FMV4255E There is not enough memory for the deployment manager to create the system information object

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

System action: Processing stops.

User response: Close all unneeded applications on the client workstation and reschedule the deployment.

FMV4256E The DSMI_DIR environment variable is not defined.

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

System action: Processing stops.

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

FMV4257E The deployment manager cannot parse information in file: *file name*.

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

System action: Processing stops.

User response: Check the error log file on the client workstation.

FMV4258E The deployment manager received the Windows "OpenSCManager failed" error message.

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

System action: Processing stops.

User response: Ensure that the user who starts the client scheduler has administrative privileges.

FMV4259E The client scheduler is not started as a root user.

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

System action: Processing stops.

User response: Log in as root and start the client scheduler.

FMV4260E The installation file system is not writeable.

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

System action: Processing stops.

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

FMV4261E The deployment manager cannot upgrade the Backup-Archive Client.

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

System action: Processing stops.

User response: Check the installation directory of the current Backup-Archive Client. If the Backup-Archive Client is not installed in the default location, manually upgrade the Backup-Archive Client. If the DSM_DIR, DSMI_DIR, DSM_CONFIG and DSMI_CONFIG environment variables are defined with a relative path, define them with an absolute path and try the client deployment again.

FMV4262E The preview of the client installation failed.

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

System action: Processing stops.

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

FMV4263E The deployment manager failed to uninstall the backup-archive client.

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

System action: Processing stops.

User response: Check the deployment manager log and trace files on the client workstation for more

details on the error. You might have to manually uninstall the client.

FMV4264E The deployment manager failed to install the backup-archive client.

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

System action: Processing stops.

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

FMV4265I Client deployment options are not specified in the scheduler command or from client services.

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

System action: Processing continues.

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

FMV4266I The deployment manager failed to install non-English language pack(s).

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

System action: Processing continues.

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

FMV4267I The deployment manager failed to install the hardware plugin package.

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

System action: Processing stops.

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

FMV4268I The deployment manager failed to install the journal-based backup package.

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

System action: Processing stops.

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

FMV4269W The deployment manager is stopping the scheduler and/or CAD processes.

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

System action: Processing continues.

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

FMV4270I The deployment manager and the new client installation packages were downloaded to directory: *file name***.**

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

System action: Processing continues.

User response: Obtain log and trace files from the download directory for problem determination. The files are found within the log/ sub-directory.

FMV4271E The deployment package is missing one or more required installation image files.

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

System action: Processing stops.

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

FMV4272E The processor type of the package: *package processor type* **does not match the current client:** *system processor type***. .**

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

System action: Processing stops.

User response: Verify that you are using the correct client package for the processor architecture of the

computer that you want to upgrade. Then restart the deployment.

FMV4273E The deployment manager detected a journal based backup (JBB) client on the workstation where it needs to deploy the Backup-Archive Client.

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

System action: Processing stops.

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

FMV4274E The deployment manager cannot stop the scheduler or the CAD processes.

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

System action: Processing stops.

User response: Reschedule the Backup-Archive Client deployment.

FMV4275E The deployment manager cannot restart the scheduler or the CAD processes.

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

System action: Processing continues.

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

FMV4276E The deployment manager cannot obtain information about the scheduler or the CAD processes.

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

System action: Processing stops.

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

FMV4277E The target operating system version *target operating system* **does not meet the minimum required version** *minimum required version*

Explanation: The operating system version is earlier than the version required by the automatic deployment package.

System action: The deployment is canceled.

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

FMV4278E The deployment manager cannot obtain information about the Logical Volume Snapshot Agent (LVSA).

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

System action: Processing stops.

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

FMV4280E Automatic client deployment is not allowed on the client workstation.

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

System action: Processing stops.

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

FMV4281E The update manager cannot remove the TIVsmCapi package from non-global zone(s): *zone name***.**

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

System action: Processing stops.

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

FMV4282E Sparse-root non-global zone(s) were found with Tivoli Storage Manager Backup-Archive Client that was installed from the non-global zone: *zone names***.**

Explanation: One or more non-global zones are sharing the /usr file system with the global zone. The Tivoli Storage Manager Backup-Archive Client is

installed in the global zone with the -G parameter and also installed manually in the non-global zone(s). You cannot update the Tivoli Storage Manager Backup-Archive Client in the global zone because it will update the version of GSKit that is shared with the sparse-root non-global zones that are not part of the automatic deployment.

System action: Processing stops.

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

FMV4283E **There is not enough disk space on** *path* **to uncompress GSKit packages. Required space:** *req_space* **bytes; available space:** *avail_space* **bytes.**

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

System action: Processing stops.

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

FMV4284E **The deployment is cancelled because an automatic client deployment task was scheduled for a sparse-root, non-global zone that shares the /usr file system with the global zone.**

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

System action: Processing stops.

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

FMV4285E **The update restore operation to an existing virtual machine '***VmName***' failed. The virtual machine is not in power off state.**

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

System action: Restore aborted.

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

FMV4290E **Only one virtual machine can be selected for restore.**

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

System action: No processing occurs.

User response: Select only one virtual machine for restore.

FMV4291E **Virtual Machine could not be found on VMware server.**

Explanation: The backup of virtual machine failed.

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

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

FMV4292E **No virtual machine found.**

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

System action: Processing stopped.

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

FMV4293E **Backup of VMware vApp '***vApp name***' in Organization VDC '***Org VDC name***' of organization '***Org name***' failed.**

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

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

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

FMV4295W *architecture*, *schedule-name*, *domain-name*: **The client deployment was not completed pending the restart of the client computer. The deployment manager did not restart the client computer automatically because the AUTODEPLOY option was set to NOREBOOT.**

Explanation: The previous client has been uninstalled, and the installation of the new client was not completed pending the restart of the client computer. The architecture of the client, schedule name, and

domain name are identified at the beginning of the message text.

System action: The Deployment Manager process completes.

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

FMV4296I *architecture*, *schedule-name*, *domain-name*: **The client deployment was completed successfully, and the client computer is being restarted.**

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

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

User response: None

FMV4297W *architecture*, *schedule-name*, *domain-name*: **Client deployment was completed with warnings:** *warnings*.

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

System action: The Deployment Manager process completes.

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

FMV4298E *architecture*, *schedule-name*, *domain-name*: **The client deployment was canceled. The previous event causing the cancellation is:** *event*.

Explanation: This message is a generic message that the client deployment was canceled. The Deployment Manager does not uninstall or update the current client. It is possible that the other messages provide details of the deployment. The architecture of the client, schedule name, and domain name are identified at the beginning of the message text.

System action: Processing stops.

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

FMV4299E *architecture*, *schedule-name*, *domain-name*: **The client deployment failed. The previous event causing the failure is:** *event*.

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

System action: Processing stops.

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

FMV4300I *architecture*, *schedule-name*, *domain-name*: **Client deployment was completed successfully.**

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

System action: The Deployment Manager process completes.

User response: None

FMV4301I **IBM Tivoli Storage Manager detected Microsoft Active Directory Domain Controller on virtual machine '***VM***'.**

Explanation: The virtual machine contains Microsoft Active Directory Domain Controller.

System action: IBM Tivoli Storage Manager saved additional information about this virtual machine.

User response: None

FMV4302W **IBM Tivoli Storage Manager failed to detect if Microsoft Active Directory Domain Controller on virtual machine '***VM***'.**

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

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

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

FMV4303E **The vCloud Director vApp '*vapp-name*' has not been previously backed up.**

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

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

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

FMV4304I **IBM Tivoli Storage Manager could not detect the TSM for VE license. Active Directory Domain Controller will not be protected on VM '*VM*'.**

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

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

User response: None

FMV4305W **Backup of VMware vApp '*vApp name*' in Organization VDC '*Org VDC name*' of organization '*Org name*' completed. Some VMs were not backed up. mode: 'Incremental Forever - *full_or_incr*' target node name: '*target_node_name*' data mover node name: '*data_mover_node_name*' VMs backup status: *number of VM backed up* out of *number of VMs in vApp* VMs backed up successfully.**

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

System action: Processing continues to the next vApp.

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

FMV4900W **Schedule '*schedule-name*' has opened a new session with the server.**

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

System action: The scheduled event is completed using more than one session.

User response: None required. If this is a recurrent condition, you may want to check for network problems.

FMV4901E **The following object contains one or more unmatched quotation marks and cannot be processed: '*filespace path filename*'.**

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

System action: The object is skipped.

User response: Correct the specification of the object.

FMV4904E **Instant access of VMware Virtual Machine '*vmname*' failed. target node name='*target_node_name*', data mover node name='*data_mover_node_name*'**

Explanation: The instant access of the virtual machine failed.

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

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

FMV4907E **Instant restore of VMware Virtual Machine '*vmname*' failed. target node name='*target_node_name*', data mover node name='*data_mover_node_name*'**

Explanation: The instant restore of the virtual machine failed.

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

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

FMV4910E **Cleanup of VMware Virtual Machine '*vmname*' failed. target node name='*target_node_name*', data mover node name='*data_mover_node_name*'**

Explanation: The cleanup of the virtual machine failed.

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

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

FMV4942E The file specification '*string*' is invalid.

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

System action: Processing stopped.

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

FMV4946W Warning: virtual machine: '*vm-name*' disk: '*disk-name*' excluded by user, was not found.

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

System action: Processing continues.

User response: Use the "dsmc backup vm ..." command with the -preview option to display a listing of the disk labels which exist on the virtual machine. Since the disk was specified to be excluded from the backup, the backup will continue. However it is possible that a disk will included in the backup which was not desired, check the spelling of the disk label, and correct the disk label if an undesired disk is now included in the backup operation.

FMV4947E Error: virtual machine: '*vm-name*' disk: '*disk-name*' included by user, was not found.

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

System action: Processing stops.

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

FMV4948E A specified virtual disk was not found on the virtual machine.

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

System action: Processing stops.

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

FMV4972W File server *file-server-name* has been upgraded to Data ONTAP version '*version.modifcation.submodification*'. This version does not support unicode file names for snapshot difference incremental backup. Upgrade to a version that supports unicode file names as soon as possible.

Explanation: The file server has been upgraded from a version that supports unicode file names for incremental backup using snapshot difference to a version that does not. If you have upgraded from Data ONTAP version 7.3.3 (or later) to 8.0, you lose the ability to back up files with unicode file names when performing snapshot difference incremental backup.

System action: Processing continues. However, files with unicode names are not backed up.

User response: Upgrade to a version that supports unicode file names as soon as possible. If you have upgraded from Data ONTAP version 7.3.3 (or later) to 8.0, upgrade to 8.1 (or later). If it is not possible to upgrade at this time, you can suppress this warning message by renaming the file space on the IBM Tivoli Storage Manager server and performing a snapshot difference incremental backup.

FMV4973E An error occurred accessing NTFS security information for file '*filespace namepath-namefile-name*'

Explanation: An access denied error occurred while attempting to access NTFS security info rmation.

System action: The object is skipped.

User response: See your system administrator or bypass the failing check by using SkipNTSecu rity option.

FMV4974E Error processing '*filespace namepath-namefile-name*': a required NT privilege is not held.

Explanation: The user account running TSM does not possess a required NT user right/pr ivilege for performing the current operation.

System action: The object is skipped.

User response: Your system administrator has the authority to grant the needed privilege.

FMV4987E **Error processing '*filespace namepath-namefile-name*': the object is in use by another process**

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

System action: File skipped.

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

FMV4988W **File '*filespace namepath-namefile-name*' is currently unavailable on server and has been skipped.**

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

System action: TSM cannot restore or retrieve the file.

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

FMV4989E **Error processing '*filespace namepath-namefile-name*': the directory is in use by another process. All objects in the directory and any of its subdirectories are skipped.**

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

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

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

FMV4991I *Application Type Application Message Id Application Message*

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

System action: TSM logs the application message.

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

FMV4992W *Application Type Application Message Id Application Message*

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

System action: TSM logs the application message.

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

FMV4993E *Application Type Application Message Id Application Message*

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

System action: TSM logs the application message.

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

FMV4994S *Application Type Application Message Id Application Message*

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

System action: TSM logs the application message.

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

FMV4997E **Error processing '*filespace namepath-namefile-name*': file system quota reached condition - no space left.**

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

System action: The client prompts you for action:

- Retry this object
- Skip this object
- Abort the action

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

FMV4998E **Link information for file '*filename*' could not be obtained: access to the object is denied.**

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

System action: Processing of System State stops.

User response: Try the operation again. If the problem

persists, contact IBM technical support for additional assistance.

FMV4999I The following message was too long to log to the server: '*shortened message with message number***'**

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

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

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

FMV5000W Unable to update password

Explanation: Intended new password cannot be registered.

System action: The server did not replace the old password with the new password.

User response: Update the password again. If unsuccessful, see your system administrator.

FMV5001E Open registration required. Root user must run TSM to register with server

Explanation: This client must be registered with this server.

System action: TSM ends.

User response: The root user must register the client with the server.

FMV5002E Open registration failed

Explanation: During the change password, update password, or open register dialog, the open registration failed.

System action: TSM did not register this system.

User response: Reenter the password, or see your system administrator to register this system.

FMV5003S The management class assigned to directories does not exist.

Explanation: The management class named on the DIRMC option does not exist in your assigned policy set on the server. The error log contains an entry showing the invalid management class name.

System action: processing stops.

User response: Remove the current DIRMC option from the client options file, then run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes. Make sure the management class you select has a backup copy group. If you have more than one TSM server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your TSM administrator for further assistance.

FMV5004S There is no backup copy group in the management class used for directories. See the error log.

Explanation: The DIRMC option names a management class that contains no backup copy group.

System action: processing stops.

User response: Remove the current DIRMC option from the client options file, then run DSMC QUERY MGMTCLASS -DETAIL to view information about available management classes. Make sure the management class you select has a backup copy group. If you have more than one TSM server, make sure you are connecting to the correct server. If you are unable to find a suitable management class, contact your TSM administrator for further assistance.

FMV5005E Table of contents information is not available for the selected images.

Explanation: An error occurred when the server tried to load a table of contents. Requested image or table of contents may have expired or been deleted on the server.

System action: Processing stopped.

User response: Start a new restore window to get current information.

FMV5006W The policy set does not contain any backup copy groups. TSM is unable to continue the backup.

Explanation: You tried to back up the files using a policy set that contained no backup management information.

System action: TSM did not back up the files.

User response: See your TSM administrator for assistance in associating your node with a policy set containing a management class that has a backup copy group. Then try the operation again.

FMV5007W The policy set does not contain any archive copy groups. TSM is unable to continue the archive.

Explanation: You tried to archive the files using a policy set that contains no archive management information.

System action: TSM did not archive the files.

User response: See your TSM administrator for assistance in associating your node with a policy set containing a management class that has an archive copy group. Then try the operation again.

FMV5008W Incorrect password entered

Explanation: You entered a password that was incorrect.

System action: TSM cannot connect to the server without the correct password.

User response: Reenter the password, or ask your system administrator for the current password.

FMV5009W New password entries are not the same

Explanation: During the change password, update password, or open registration dialog, the two entries for the new password were not the same.

System action: The password was not changed on the server.

User response: Backspace over both of the new passwords and reenter them, ensuring that they match.

FMV5011I Backup stopped by user

Explanation: You requested to stop the backup operation.

System action: Backup stopped.

User response: Continue with normal operations.

FMV5012E Server out of backup data storage space

Explanation: The server ran out of space in its backup data storage.

System action: TSM cannot complete the requested backup operation. Any files displayed on the lower half of the backup activity panel were successfully backed up.

User response: See your system administrator.

FMV5013E Not enough memory for backup operation

Explanation: TSM cannot allocate memory for the specified backup operation.

System action: TSM cannot complete the requested operation.

User response: Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned might also help, or see your system administrator.

FMV5014I Backup completed

Explanation: The backup was completed.

System action: TSM backed up the files.

User response: Continue with normal operations.

FMV5015I Restore stopped by user

Explanation: You requested to stop the restore operation.

Attention: If you were restoring files with "overwrite" option specified, the file you restored last can be damaged (partially overwritten).

System action: Restore stopped.

User response: Continue with normal operations.

FMV5016E Not enough memory for restore operation

Explanation: TSM cannot allocate memory for the requested restore operation.

System action: TSM cannot complete the requested restore operation.

User response: Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned can also help, or see your system administrator.

FMV5017I Restore completed

Explanation: A restore was completed.

System action: TSM restored the files.

User response: Continue with normal operations.

FMV5018E Not enough memory for archive operation

Explanation: TSM cannot allocate memory for the requested archive operation.

System action: TSM cannot complete the archive operation.

User response: Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned might also help, or see your system administrator.

FMV5019I Archive stopped by user

Explanation: You requested to stop the archive operation.

System action: Archive stopped.

User response: Continue with normal operations.

FMV5020E The TSM server is out of archive data storage space.

Explanation: The server ran out of space in its archive data storage.

System action: TSM cannot complete the requested archive operation.

User response: Report the problem to your TSM system administrator, who can allocate more resources to archive storage.

FMV5021I Archive completed

Explanation: An archive was completed.

System action: TSM archived the files.

User response: Continue with normal operations.

FMV5022I Retrieve stopped by user

Explanation: You requested to stop the retrieve operation.

Attention: If you were retrieving files with "overwrite" option specified, the file you retrieved last can be damaged (partially overwritten).

System action: Retrieve stopped.

User response: Continue with normal operations.

FMV5023E Not enough memory for retrieve operation

Explanation: TSM cannot allocate memory for the specified retrieve operation.

System action: TSM cannot complete the requested retrieve operation.

User response: Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned might also help, or see your system administrator.

FMV5024I Retrieve completed

Explanation: A retrieve was completed.

System action: TSM retrieved the files.

User response: Continue with normal operations.

FMV5025E The node name contains invalid characters.

Explanation: The specified node name has invalid characters.

System action: TSM canceled the current operation.

User response: Retry with another node name that has valid characters.

FMV5026W MatchAllChar and MatchOneChar options MUST precede Include/Exclude options

Explanation: The MatchAllChar and MatchOneChar options must precede any include-exclude options.

System action: The TSM client ends the current application.

User response: Move the MatchAllChar and MarchOneChar options before any include-exclude options.

FMV5028I Successful completion

Explanation: The operation successfully completed.

System action: None.

User response: None.

FMV5029E This operation cannot continue due to an error on the TSM server. See your TSM server administorator for assistance.

Explanation: The TSM server encountered an error condition that prevents the TSM client operation from continuing. Your TSM server administrator can review the TSM server activity log for more details about the error.

System action: The processing stopped.

User response: Contact your TSM server administrator for assistance. The administrator can review the TSM server activity log for further information about the conditions that lead to this error.

FMV5030E No objects on server match query

Explanation: No objects on the server match the query operation being performed.

System action: The processing stopped.

User response: Ensure the names are properly entered.

FMV5031E Client aborted transaction

Explanation: The client system ended the operation with the server and ended the current transaction.

System action: The processing stopped.

User response: Restart the session.

FMV5032W Active object not found

Explanation: An attempt was made to expire an object, but the server was unable to find an active backup version of the object. This message is preceded by message FMV1228E which specifies the object name.

For instance, this message could be issued if two separate client processes are backing up the same file system at the same time. If one of the processes expires a file, then the server will make that file inactive. If the second process subsequently attempts to expire that same file, the server will not find an active version of the file, so the second process will issue this message for that file.

System action: The object is not expired. Processing continues with the next object..

User response: Review the console output, schedule log, or error log and locate the FMV1228E message that immediately precedes this message. FMV1228E will identify the object that could not be expired. Examine the conditions under which the problem occurred and assess whether those conditions explain the occurrence of this message. For example, this message could appear if multiple instances of the client were attempting to back up the file system concurrently. If the reason this message occurred can not be determined and the message occurs when the operation is tried again, then contact support for further assistance. Also try searching for this message number on http://www.ibm.com for possible solutions.

FMV5033E Server has no data for the object.

Explanation: Server tried to do a restore or retrieve on an object that has no data associated with it. If a corrective action is possible, it is with the server.

System action: Server ends the current operation.

User response: Ask the administrator to check the activity log for any messages related to this error that might help identify the problem.

FMV5034E You entered an incorrect password.

Explanation: You entered an incorrect current password or you entered a new password that does not fulfill the password length requirements set on the server.

System action: The processing stops.

User response: Retry the session with the correct password. If this fails or you have forgotten your password, ask the administrator to assign a new password.

FMV5035E Node is in use.

Explanation: The node you are running on is in use by another operation on the server. This might be from another client or from some activity on the server.

System action: The processing stopped.

User response: Retry the operation, or see your system administrator to see what other operations are running for your node.

FMV5036E Expiration date must be greater than today's date

Explanation: Archive expiration date is too low, the date must be greater than today's date.

System action: The current operation is canceled.

User response: Retry archiving the file with an expiration date that is higher than today's date.

FMV5037W The requested data is offline

Explanation: For the restore or retrieve operation, one or more of the requested files must be recalled from offline storage media (generally tape). The wait time depends on your site's offline storage management policies.

System action: CLient waits for offline storage media to become available and then continues.

User response: None.

FMV5038E Object too large for server limits.

Explanation: The object is too large. The configuration of the server does not have any data storage space that accepts the object.

System action: File skipped.

User response: See your system administrator to determine the maximum file (object) size for which your site's server is configured.

FMV5039E Server out of data storage space.

Explanation: The server does not have any space available to store the object.

System action: Ended the current operation.

User response: You can take any of the following actions:

- For client, set COMPRESSALWAYS=NO and COMPRESSIon=YES in the options file (DSM.OPT), then the file will be resent uncompressed if it grows during compression.
- Request the system administrator to add space to the storage pool.
- The system administrator can also turn off disk caching in the disk storage pool, and issue MOVE DATA commands to each disk pool volume to clear out the cached bitfiles.

FMV5040E Server media mount not possible.

Explanation: Server media mount not possible. The server timed out waiting for a mount of an offline volume.

System action: File skipped.

User response: Retry later when server volumes can be mounted. Ensure that the MAXNUMMP (maximum number of mount points) defined on the server for this node is greater than 0.

FMV5041E Size estimate exceeded.

Explanation: The total amount of data for a backup or archive operation exceeds the estimated size originally sent to the server for allocating data storage space. This happens when many files are growing by large amounts while the backup or archive operation is in session.

System action: Processing stopped.

User response: Retry the operation. If the problem continues, check what other processes are running on the client machine that are generating large amounts of data. Disable those operations while the backup or archive operation is taking place.

FMV5042E File data is currently unavailable on the TSM server

Explanation: The TSM client was trying to restore or retrieve data that is currently unavailable on the TSM server. Possible causes are:

- Data is corrupted at the TSM server
- The TSM server encountered a read error
- File is temporarily involved in a reclaim operation at the server
- The TSM requested a tape volume that is unavailable. Typical reasons for a volume to be unavailable: a disk volume is offline, the volume is marked unavailable due to an I/O error, or a tape volume is checked out of the tape library.

System action: Processing stopped.

User response: Try the operation again at a later time. If the problem continues, contact your TSM server administrator for further assistance. The administrator can review the TSM server activity log for messages related to the problem.

FMV5043W Unexpected retry request. The server found an error while writing the data.

Explanation: None.

System action: The client retries the operation.

User response: None.

FMV5044E Session rejected: All server sessions are currently in use.

Explanation: Server has all available sessions in use and cannot accept a new one at this time.

System action: Server canceled the current operation.

User response: Retry the operation.If the problem continues, see your system administrator to increase the number of concurrently active sessions to the server.

FMV5045E The session is rejected. Your password has expired.

Explanation: Your password has expired.

System action: Server canceled the current operation. You are not allowed to connect to the server until the password is updated.

User response: Update your password. You may use the SET PASSWORD command, or have the administrator update your node.

FMV5046E Session rejected: Unknown or incorrect node ID entered

Explanation: The node name you entered is not known by the server, or you are attempting to access a file migrated to a different node.

System action: The current operation is canceled. You are not allowed to connect to the server until your node name is registered with the server. If attempting to access a migrated file, your node name must be the same node which migrated the file.

User response: Ensure that you entered your node name correctly. If yes, see your system administrator. Verify that the server is using closed registration and that your node name is registered with the server.

FMV5047E Session rejected: Duplicate ID entered. Node already logged onto server

Explanation: Another process using this node name is active with the server.

System action: Cannot connect to the server. Canceled the current operation.

User response: Ensure that your node name is unique to the server so that it cannot be used by another person. See your system administrator to identify the owner of that node name.

FMV5048E Please choose a filespace. The filespace to delete/set access cannot be found.

Explanation: The filespace to delete cannot be found.

System action: The system returns to the calling procedure.

User response: Verify the filespace name.

FMV5049E Session rejected: The server is disabled

Explanation: The server is in a disabled state and cannot be accessed for normal activity.

System action: Canceled the current operation.

User response: Retry the operation after the server returns to an enabled state. If the problem continues, see your system administrator.

FMV5050E The server is not configured to allow open registration.

Explanation: No authorization. Registration is required by your system administrator. The server is not configured to allow open registration.

System action: Session not started.

User response: You must obtain a node and password from your system administrator.

FMV5051S Session rejected: the client code is down-level

Explanation: The server version and your client version do not match. The client code is downlevel.

System action: The current operation is canceled.

User response: See your system administrator to see what version to run for your location.

FMV5052E Session rejected: Downlevel server code version.

Explanation: The server version and your client version do not match. The server code is downlevel.

System action: The current operation is canceled.

User response: See your system administrator to see what version to run for your location.

FMV5053W The operation was stopped by the user.

Explanation: The operation was stopped at the request of the user. This usually occurs when the 'Q' key is pressed two times.

System action: Processing stopped.

User response: None.

FMV5054E The operating system refused a request for memory allocation.

Explanation: The client requires access to memory in order to store information as processing proceeds. In this case, more memory was requested than the operating system would allocate. Possible reasons include:

- The system is low on memory.
- The process in which the program runs has exceeded the maximum allocated memory.
- Some other error condition occurred. No memory is available.

System action: Client cannot complete the requested operation.

User response: Close all unneeded applications and try the operation again. If the operation still fails, try dividing the task into several smaller units. For example, if a file specification contains several high-level directories, run the task serially for each directory. If the task is an incremental backup, use the option "-memoryefficientbackup=yes".

FMV5055E File not found during Backup, Archive or Migrate processing. No file specification entered.

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

System action: File skipped.

User response: None.

FMV5056E The specified directory path could not be found.

Explanation: An invalid or unreachable directory path was specified.

System action: Processing stopped.

User response: Try the operation again using a valid directory path.

FMV5057E Access to the specified file or directory is denied.

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

System action: Processing stopped.

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

FMV5058E No file handles available

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

System action: Processing stopped.

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

FMV5059E The file exists and cannot be overwritten.

Explanation: The file being restored or retrieved exists and cannot be overwritten due to lack of authority or access permissions.

System action: The file is skipped.

User response: Verify that you have sufficient access permissions to overwrite the file, then try the operation again. If the problem persists, contact your system administrator or administrator for further assistance.

FMV5060E Invalid parameter passed.

Explanation: The system encountered an internal program error due to an invalid parameter.

System action: The system returns to the calling procedure.

User response: Ask your service representative to check the error log.

FMV5061E An invalid file handle passed. Report how you got this system error.

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

System action: Processing stops.

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

FMV5062E Disk full

Explanation: Operation has stopped because the destination disk is full.

System action: Processing stopped.

User response: Free up disk space and retry the operation

FMV5083E Drive specification contains wildcard character.

Explanation: Drive name shouldn't contain wildcard character.

System action: Wildcarded objects skipped.

User response: Use valid drive specification.

FMV5091S The TSM server does not currently have space in the storage pool for this file. This might be a temporary condition.

Explanation: This message is typically issued when the storage pool in which the data is being placed does not have sufficient to store the data, but that the space will be available soon. For example, a storage pool migration may free up sufficient space to store the data.

System action: TSM ends the current operation.

User response: This is possibly a temporary condition. Try the operation again at a later time. If the error persists, contact your TSM administrator, who can examine server console and error logs to locate the cause of the problem.

FMV5092S Server out of data storage space.

Explanation: The server does not have any more space available to store the object.

System action: TSM ended the current operation.

User response: Report to your system administrator that a storage pool on the server is full.

FMV5093S SLM_LICENSE_EXCEEDED: The client licenses for TSM are exceeded. See your TSM administrator.

Explanation: Adding a new enrollment will exceed the product license count for this TSM server.

System action: The client enrollment or connection request ends.

User response: See your TSM administrator to delete unused enrollments or negotiate an increase in the number of allowed licenses for your server.

FMV5094E Session Rejected. Sufficient server memory is not available.

Explanation: The server does not have enough memory to allow your client to establish a connection with the server.

System action: Session was not started.

User response: Retry later or see your system administrator.

FMV5122E The specified filespace does not exist on the server. The filespace might have been deleted by another client or an administrator.

Explanation: The specified filespace does not exist on the server. Your administrator might have already deleted the filespace or another client using your client's node name might have deleted it.

System action: TSM ends the current operation.

User response: The filespace you selected does not exist any more. See your TSM administrator for help in finding how the filespace was deleted.

FMV5123S Open registration failed because the specified node name is already defined in the server.

Explanation: Open registration failed because a node is defined on the server with the same name.

System action: TSM canceled the current operation.

User response: Retry with another node name.

FMV5124S Open registration failed because there is no default domain.

Explanation: Open registration failed because a default policy domain does not exist in which to place your node. A default policy domain is required to fully support open node registration.

System action: TSM cancels the current operation.

User response: See your TSM administrator for assistance in registering your node.

FMV5125S Open registration failed because an invalid node name was specified.

Explanation: Open registration failed because the specified node name has invalid characters.

System action: TSM canceled the current operation.

User response: Retry with another node name that does not have any invalid characters.

FMV5126S Filespaces with duplicate names are not supported. Please unmount the duplicate filespace.

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

System action: TSM cannot select the volume.

User response: If the filespace needs to be available to the system, exit TSM, and assign a volume label to the filespace. Restart TSM and retry the operation. Otherwise, unmount the duplicate filespace.

FMV5127I TSM has detected an incomplete setup! The system options file 'dsm.sys' was not found, while the client options file '*file-path*' exists! The wizard will guide you through the configuration process of the initial basic TSM client options files replacing your current option file. Would you like to continue?

Explanation: TSM has detected an incomplete setup. The system options file, dsm.sys, was not found. Additionally, a user options file, dsm.opt, was found. To complete the configuration the configuration wizard will create dsm.sys and replace dsm.opt with minimal settings.

System action: TSM may stop

User response: If the current version of dsm.opt is needed, rename the file and restart TSM. If the current version is not needed, select yes and allow TSM to replace the file.

FMV5128E The management class for this file did not have a backup copy group.

Explanation: For backup operations, a file may only be bound to a management class that has a backup copy group.

System action: TSM did not back up the file.

User response: See your TSM system administrator for assistance in finding a management class with the required copy group. The administrator may also define such a management class for you.

FMV5129E The management class for this file did not have an archive copy group specified.

Explanation: For archive operations, a file may only be bound to a management class that has an archive copy group.

System action: TSM did not archive the file.

User response: See your TSM system administrator for assistance in finding a management class with the required copy group. The administrator may also define such a management class for you.

FMV5130W No filespaces selected for deletion

Explanation: You requested a deletion operation without selecting a client domain.

System action: TSM cannot perform a deletion without a domain selected.

User response: Select the volumes you want to delete and retry the operation.

FMV5132I Filespace deletion canceled by user

Explanation: You requested to cancel the filespace deletion operation.

System action: The filespace deletion operation stopped.

User response: Continue with normal operations.

FMV5133I Filespace '*filespace*' was deleted

Explanation: The specified *filespace* was successfully deleted.

System action: TSM deleted the filespace.

User response: Continue with normal operations.

FMV5134E Unable to delete the filespace because this node does not have permission to delete archived data and/or backed up data.

Explanation: You tried to delete a filespace that you do not have permission to access.

System action: TSM canceled the operation.

User response: Ensure that you specify the correct filespace, or specify a filespace you have access to.

FMV5135I Archive delete stopped by user

Explanation: You requested to stop the archive delete operation.

System action: Archive delete stopped.

User response: Continue with normal operations.

FMV5136E Not enough memory for archive delete operation

Explanation: TSM cannot allocate memory for the specified archive delete operation.

System action: TSM cannot continue with the requested archive delete operation.

User response: Close all unneeded applications and retry the operation. Reducing the scope of queries and the amount of data returned might also help, or see your system administrator.

FMV5138I Archive delete completed

Explanation: An archive delete was completed.

System action: TSM deleted the archived files.

User response: Continue with normal operations.

FMV5139E Your node does not have permission to delete archived files.

Explanation: Your node is registered at the server with the ARCHDELETE option set to 'no'. Therefore your node is not allowed by the server to delete archived files.

System action: TSM did not delete the archived files.

User response: See your TSM system administrator. The administrator has authority to delete archived files, and can also grant that authority to your node.

FMV5145W Server cannot restart the last restore request. Do you want to restore without restart?

Explanation: The restart restore token has expired. The server cannot restart the restore from where it last ended.

System action: Processing stopped; waiting for user intervention.

User response: Retry the request without restart or abort the request.

FMV5146W You cannot perform this operation while accessing data for another node. Do you wish to switch back to accessing your own node?

Explanation: The user cannot perform the selected operation while accessing another users data.

System action: Processing stopped; waiting for user intervention.

User response: Answer "Yes" to switch back to accessing the server as the original node.

FMV5148W The server needs to do a one-time conversion of your archive data before you can continue. This operation may take a long time, and cannot be canceled once it has started. Are you willing to wait for the conversion to complete?

Explanation: The server must do a conversion of the archive data before continuing. The conversion could take a long time, and cannot be canceled once it is started.

System action: Processing stopped; waiting for user intervention.

User response: Answer “Yes” to start the archive data conversion. If you answer “No”, the current operation will be canceled.

FMV5150E An active restore for the same source file specification exists. Unable to continue with this request.

Explanation: Currently, there is an active restore for the same source file specification. Another restore of the same source file specification cannot be started.

System action: The requested restore fails.

User response: Start another restore with a different source file specification.

FMV5151S This node currently has a pending restartable restore session. The requested operation cannot complete until this session either completes or is canceled.

Explanation: This operation can not be completed because a restartable restore session is pending. The operation is not allowed because the restartable session and the current operation affect the same file space.

System action: TSM ended the current operation.

User response: Issue the Query Restore command to view a list of your restartable restore sessions in the server database. Issue the Cancel Restore command to cancel any unneeded restartable restore sessions.

FMV5152S Session Rejected: The server is not licensed for this platform type. See your TSM administrator.

Explanation: The server license governs the types of client that can connect to it. The license for this server does not include the requesting client type.

System action: The client enrollment or connection request ends.

User response: See your TSM administrator who must upgrade the server license to accept your client type.

FMV5153E Session Rejected: The server does not allow a signon as a Unicode enabled client.

Explanation: The client cannot establish a connection to the server because of a unicode enabling mismatch between server and client.

System action: Session was not started.

User response: See your system administrator immediately.

FMV5154I File is implicitly excluded

Explanation: You tried to back up or migrate a file that is implicitly excluded.

System action: TSM will not back up or migrate an implicitly excluded file.

User response: None.

FMV5155E Valid password not available. The TSM administrator for your system must run TSM and enter the password to store it locally.

Explanation: The file containing the stored password for the specified server *server-name* is unavailable.

System action: TSM ends.

User response: The TSM administrator for your system must set and store a new password.

FMV5157E This action requires TSM administrative authority on this system.

Explanation: An activity has been attempted that must be performed by the TSM administrator (for example, open registration, filespace delete or password update).

System action: TSM canceled the operation.

User response: If the activity is required, the TSM administrator for this system must perform it.

FMV5158S Filespace deletion is in progress. Try again later.

Explanation: The filespace is in the process of being deleted.

System action: TSM cannot complete the requested operation.

User response: Try the operation again later. If the filespace was being deleted, it could take awhile for it to complete. If the problem continues, report the problem to your system administrator.

FMV5164E Backup or archive of drives with duplicate volume labels is not allowed.

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

System action: TSM cannot select the drive for backup or archive operations.

User response: If the volume needs to be available to the system, exit TSM and assign a unique volume label to the drive. Restart TSM and try the operation again.

FMV5165E Drive has no volume label. Backup/Archive not allowed.

Explanation: You tried to backup or archive a drive that has no volume label.

System action: TSM rejected the selected drive.

User response: If the drive is a floppy drive, place a disk with a volume label in it and retry the operation. If the disk is a hard drive, ensure the drive has a volume label, and retry the operation.

FMV5166E An error occurred while removing include-exclude statement '*statement*'. Please try again.

Explanation: There was a problem with removing the include-exclude statement. Make sure that your

include-exclude statement is valid.

System action: No include-exclude statement was removed. Waiting for user action.

User response: Retry your operation. If you see this error message again, contact your system administrator

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FMV5169E The destination path must contain a drive letter

Explanation: The entered path must begin with a drive letter, colon, and root slash.

System action: TSM did not continue with the requested operation.

User response: Enter the destination path in the correct format.

FMV5173E An error occurred accessing NTFS security information.

Explanation: An error occurred while attempting to access NTFS security information.

System action: Object will not be processed.

User response: See your system administrator or bypass by using SkipNTSecurity option.

FMV5174E A required NT privilege is not held.

Explanation: The user account running TSM does not possess a required NT user right/privilege for performing the current operation.

System action: Object will not be processed.

User response: See your system administrator.

FMV5176W The requested virtual machine operation cannot be performed because a virtual machine backup or restore operation is already in progress. Please retry the operation after the first operation completes.

Explanation: A virtual machine operation is already in progress, so the requested virtual machine operation cannot be performed until the first operation complets.

System action: Processing stops

User response: Wait for the first virtual machine operation to complete, and then restart the current request.

FMV5177E Client-side deduplication and server-initiated sessions are mutually exclusive.

Explanation: Conflicting options SESSIONINIT=serveronly and DEDUPLICATION=yes were specified. This combination is not allowed.

System action: Processing stops.

User response: Use client-initiated sessions or disable client-side deduplication

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FMV5178E Restart of the RSM service failed. Restart the RSM service manually.

Explanation: RSM database files have been restored from the TSM server and imported. TSM has tried to restart the RSM service on the user's behalf but has run into a problem.

System action: Processing stopped.

User response: Restart the RSM service manually.

FMV5179E TSM is unable to continue. Exiting program.

Explanation: TSM ran into a problem and is unable to continue. This error message is usually preceded by other error messages. Resolve those errors and try again.

System action: Program terminates.

User response: Fix the problem(s) that preceded this message and then restart TSM.

FMV5181E Invalid selection; A specific backup set must be selected.

Explanation: A selection was made that might result in multiple backup sets being restored at the same time, but restoring multiple backup sets at the same time is not supported.

System action: The backup set restore was not performed.

User response: Select a specific backup set to be restored.

FMV5182E Multiple backup sets can not be restored at the same time.

Explanation: Multiple backup sets were selected to be restored, but restoring multiple backup sets at the same time is not supported.

System action: The backup set restore was not performed.

User response: Select a specific backup set to be restored.

FMV5183W Objects of different types cannot be restored at the same time.

Explanation: Restoring objects of different types is not allowed. For example, restoring Backup Sets and regular file objects at the same time is not possible.

System action: No processing takes place.

User response: Select objects of the same type to perform restore operation.

FMV5184E Illegal Operation On Following Object: *object*

Explanation: Requested operation cannot be performed on this object.

System action: This object will be skipped.

User response: Try another operation on this object, or try the same operation on another object.

FMV5186E Server is downlevel, System Services and System State backup disabled for this session.

Explanation: The operation cannot be performed because server version is downlevel.

System action: System Service and System State backup is disabled for this session.

User response: Must use level 5.2.0 or higher server.

FMV5187E Unable to set SHAREAS extended attribute for file: '*pathname***' Return code: '***returncode***' '***strerror***' Reason code: '***reasoncode***'**

Explanation: You must be the file owner or have superuser authority.

System action: File processed without setting attribute.

User response: The attribute must be set manually.

FMV5188E Unable to clear SHAREAS extended attribute for file: '*pathname***' Return code: '***returncode***' '***strerror***' Reason code: '***reasoncode***'**

Explanation: You must be the file owner or have superuser authority.

System action: File processed without setting attribute.

User response: The attribute must be set manually.

FMV5189E Unable to set APF extended attribute for file:'*pathname***'Return code: '***returncode***' '***strerror***'Reason code: '***reasoncode***'**

Explanation: You must have at least READ access to the BPX.FILEATTR.APF facility class profile andyou must be the file owner or have superuser authority.

System action: File processed without setting attribute.

User response: The attribute must be set manually.

FMV5190E Unable to set PROGCTL extended attribute for file:'*pathname***'Return code: '***returncode***' '***strerror***'Reason code: '***reasoncode***'**

Explanation: You must have at least READ access to the BPX.FILEATTR.PROGCTL facility class profile andyou must be the file owner or have superuser authority.

System action: File processed without setting attribute.

User response: The attribute must be set manually.

FMV5191E NT Active Directory is not online. Offline backup is not supported.

Explanation: NT Active Directory is not online when performing a backup operation. Offline backup is not supported.

System action: Processing stopped.

User response: Reboot computer and turn on Active Directory, and try the operation again.

FMV5192E NT Active Directory is online. Online restore is not supported.

Explanation: NT Active Directory is online when performing a restore operation. Online restore is not supported.

System action: Processing stopped.

User response: Reboot computer and enter Active Directory repair mode, then try the operation again.

FMV5193E Certificate Services is not online. Offline backup is not supported.

Explanation: Certificate Services is not online when performing a backup operation. Offline backup is not supported.

System action: Processing stopped.

User response: Start Certificate Services and try the operation again.

FMV5194E Certificate Services is online. Online restore is not supported.

Explanation: Certificate Services is online when performing a restore operation. Online restore is not supported.

System action: Processing stopped.

User response: Stop Certificate Services and try the operation again.

FMV5196W Invalid encryption key password entered.

Explanation: The encryption key password supplied does not meet the TSM requirements. This key can be up to 63 bytes in length and include the following characters: A-Z Any letter, A through Z, uppercase or lowercase 0-9 Any number, 0 through 9 + Plus . Period _ Underscore - Hyphen & Ampersand

System action: TSM allows you to try again.

User response: Enter the correct encryption key password.

FMV5197E File Replication Service backup failed.

Explanation: IBM Tivoli Storage Manager encountered an error while backing up files under control of the Windows 2000 File Replication Service

System action: Processing stopped.

User response: Examine the Windows 2000 File Replication Service Event log to insure the File Replication Service is operating properly. Restart the service and retry the backup operation.

FMV5198E File Replication Service restore failed.

Explanation: IBM Tivoli Storage Manager encountered an error while restoring files under control of the Windows 2000 File Replication Service

System action: Processing stopped.

User response: Examine the Windows 2000 File Replication Service Event log to insure the File Replication Service is operating properly. Restart the service and retry the restore operation.

FMV5199I The machine must be rebooted for the changes to take effect. Would you like to reboot the machine now?

Explanation: The machine must be rebooted for the changes to take effect. The user can select to have the program reboot the machine now or can perform this action manually at a later time.

System action: TSM None.

User response: Select 'YES' to reboot the machine immediately.

FMV5200I '*service-name*' service needs to be restarted.

Explanation: The service must be restarted for the restored changes to take effect.

System action: Changes are not effected.

User response: Restart the service.

FMV5201E The specified function is not implemented

Explanation: The specified function is not implemented.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV5202I One or more system objects were excluded from processing by entries in the include-exclude list.

Explanation: One or more system objects were excluded from processing by entries in the include-exclude list and the client did not process them.

System action: Excluded objects skipped.

User response: None.

FMV5203E An error occurred saving one or more registry keys

Explanation: None.

System action: Processing stopped.

User response: Check the client error log for any other messages that might help identify the problem. Try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV5204W Only one backup set may be selected for restore.

Explanation: Restoring multiple backup sets is not allowed. Only one backup set may be selected and restored.

System action: No processing takes place.

User response: Only one backup set may be selected for restore.

FMV5205E An error saving one or more eventlogs

Explanation: An error occurred saving one or more eventlogs.

System action: Processing stopped.

User response: Correct the command and retry the operation.

FMV5206E An error occurred replacing one or more registry keys.

Explanation: The registry key or keys being replaced are exclusively held by another process. This can happen if the registry keys were previously restored but the system was not restarted.

System action: Processing stops.

User response: Restart the system and try the restore operation again.

FMV5207I The machine must be rebooted for the changes to take effect

Explanation: The machine must be started for the changes to take effect.

System action: TSM backed up the files.

User response: Reboot the machine

FMV5208E An invalid date or time was entered.

Explanation: An invalid date or time value was entered. Either the syntax of the value was not correct, or an actual value (for example, “45” for month) was invalid.

System action: Processing stops.

User response: Identify and correct the invalid date or time value. Refer to the user’s guide of the corresponding platform for the correct date syntax.

FMV5209E System Volume backup failed.

Explanation: IBM Tivoli Storage Manager encountered an error while backing up files of the Windows 2000 System Volume

System action: Processing stopped.

User response: Examine the Windows 2000 File Replication Service Event log to insure the system volume was successfully initialized. Restart the service and retry the backup operation

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FMV5210E System Volume restore failed.

Explanation: IBM Tivoli Storage Manager encountered an error while restoring files of the Windows 2000 System Volume

System action: Processing stopped.

User response: Examine the Windows 2000 File Replication Service Event log to insure the system volume was successfully initialized. Restart the service and retry the restore operation.

FMV5211E The cluster service is offline. The cluster service must be online to perform an authoritative cluster database restore operation.

Explanation: The cluster service must be online to restore the cluster database. Tivoli Storage Manager tried to start the service and failed. It is possible that an authoritative restore cannot be done.

System action: Processing stops.

User response: Start the cluster service and retry the operation.

FMV5212E An error occurred while trying to rename file space.

Explanation: This operation can not be completed because the file space could not be renamed.

System action: TSM ended the current operation.

User response: Contact system administrator for more information.

FMV5213W NAS objects cannot be selected with other objects for backup.

Explanation: Backing up NAS objects with other types of objects is not allowed.

System action: No processing takes place.

User response: Select NAS objects without other objects to perform backup NAS operation.

FMV5214W NAS objects cannot be selected with other objects for restore.

Explanation: Restoring NAS objects with other types of objects is not allowed.

System action: No processing takes place.

User response: Select NAS objects without other objects to perform restore NAS operation.

FMV5215E *function-type* **is not allowed on object '***object***'. Object is not sent to the server.**

Explanation: The operation could not be performed on this object. For example, if this is an image operation, the selected path is a file or a directory and therefore is not a valid object for image operations.

System action: This object is skipped.

User response: Verify that the object named is of a type supported by the command. For example, if a filespace name is required but a directory name was given, change the name so it includes only the filespace name.

FMV5216E Could not establish a TCP/IP connection with address '*tcp-addr***:***tcp-port***'. The TCP/IP error is '***tcp-err-string***' (errno =** *errno***).**

Explanation: A TCP/IP connection was attempted with a server or agent program and failed.

System action: Processing stops.

User response: Ensure that the target TCP/IP address and port number is correct. Check to ensure that a TSM server or agent has been started at the target TCP/IP

address and is configured to listen at the port listed in the message.

FMV5217E Your node does not have permission to delete backed up files.

Explanation: You cannot delete backed up files unless your TSM administrator has authorized your node to do so.

System action: TSM does not delete the backed up files.

User response: Use the DSMC QUERY SESSION command to verify your authorization. Ask your TSM administrator to provide the necessary authorization.

FMV5219W Objects of different groups cannot be restored at the same time.

Explanation: Restoring objects of different groups is not allowed.

System action: No processing takes place.

User response: Select objects of the same group to perform restore operation.

FMV5222E The archive description exceeds 254 characters.

Explanation: TSM places a maximum length of 254 characters on the archive description.

System action: processing stops.

User response: Issue the command again and specify a shorter valid archive description.

FMV5224W Error *error code* encountered while reverting to the restored snapshot.

Explanation: After the virtual machine disks are restored, the virtual machine is reverted to the restored state. The specified error was encountered while performing this revert operation.

System action: Processing continues

User response: Try powering on the restored virtual machine. If it fails to start, re-try the restore process.

FMV5225W Error *error code* encountered while removing the restored snapshot.

Explanation: After the virtual machine disks are restored, the virtual machine is reverted to the restored state, and the snapshot is removed. The specified error was encountered while removing the snapshot.

System action: Processing continues

User response: Try powering on the restored virtual machine. If it fails to start, re-try the restore process.

FMV5226E The virtual machine backup operation failed.

Explanation: The virtual machine backup operation failed. Check the error log for details on why the operation failed.

System action: Processing stops

User response: Review the console output and error logs for the details on the problem. Fix any issues and restart the operation.

FMV5227E TSM detected an error where both a snapshot name was specified, and a request to create a snapshot were specified.

Explanation: Either a snapshot name should be specified, or a request for TSM to create the snapshot should be specified, but not both.

System action: Processing stops.

User response: This is an internal error and should be reported to your service representative.

FMV5228E A backup VM operation failed because VMMAXPARALLEL was reduced to 1 and the client still cannot obtain a server mount point.

Explanation: During a parallel backup operation, concurrent backup sessions required additional server mount points to perform the backups in parallel. The client attempted to obtain the additional mount points, but the client requests exceeded the number of mount points (MAXNUMMP) defined for the node. In an effort to make the backup occur, the client reduced the VMMAXPARALLEL option to 1, but was still unable to obtain a mount point. The backup operation was stopped.

System action: The backup operation was stopped

User response: Check the console or schedule log for additional information. Retry the operation at a later time. Ensure VMMAXPARALLEL is set to a value less than or equal to MAXNUMMP.

FMV5229E The Snapshot is already mounted for backup '*backup-name*'.

Explanation: The Snapshot is currently mounted on the local machine or a remote machine. No mount operation on the snapshot will be allowed until it has been unmounted.

System action: Processing stops

User response: See the dsmerror.log file for further details.

FMV5230E **The Snapshot is already imported to the local system for backup '*backup-name*'.**

Explanation: The Snapshot is currently imported on the local machine. This maybe becasue the Snapshot is in use or it was not created with the Import VSS snapshots only when needed feature enabled.

System action: Processing stops

User response: Remote Mount operation not allowed on snapshots that are currenlty imported.

FMV5231E **VMDK size reported by VMware vSphere API is different than actual size of vmdk file. Reissue the restore command with the testflag -VMRESTORE_INCVMDKSIZE.**

Explanation: VMDK size reported by VMware vSphere API for virtual machine configuration is different than actual size of vmdk file. This can be the result of running a storage alignment tool on vmdk files before backup.

System action: Restore processing stops.

User response: Reissue the restore command with the testflag -VMRESTORE_INCVMDKSIZE.

FMV5245W **TCPWINDOWSIZE** *optionCur* **is specified, but exceeds the maximum value allowed by TSM. TCPWINDOWSIZE** *optionNew* **will be used instead.**

Explanation: Refer to product manual for more information about the TCPWINDOWSIZE option.

System action: The operation continues with the maximum value allowed by TSM.

User response: Set TCP window size to a value in the allowable range.

FMV5246W **TCPWINDOWSIZE** *optionCur* **is specified, but exceeds the maximum value allowed by the operating system. TCPWINDOWSIZE** *optionNew* **will be used instead.**

Explanation: The specified value is within the range allowed by TSM, but the operating system restricts the value to something less.

System action: The operation continues with the maximum value allowed by the operating system.

User response: Set TCP window size to a value allowed by the operating system.

FMV5249E **The virtual machine restore operation failed.**

Explanation: The virtual machine restore operation failed. Check the error log for details on why the operation failed.

System action: Processing stops

User response: Review the console output and error logs for the details on the problem. Fix any issues and restart the operation.

FMV5250E **An unexpected error was encountered. TSM function name :** *function-name* **TSM function :** *function-desc* **TSM return code :** *TSM-rc* **TSM file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV5251E **The snapshot provider is not available for this operation.**

Explanation: TSM was not able to take a snapshot because the snapshot provider is not available.

System action: Processing stopped.

User response: If you are attempting an operation using the Microsoft Volume Shadow Copy service make sure that Volume Shadow Copy service is installed on the system and also ensure that the TSM snapshot plugin "pivss.dll" is present.

FMV5252E **TSM attempted to execute a system command which failed. command :** *command* **rc :** *rc*

Explanation: TSM needed to execute a system command in conjunction with a snapshot operation.

System action: Processing stops.

User response: See your system administrator.

FMV5253W **The system could not create Volume Shadow Copy Services staging directory '*dir*'.**

Explanation: The system was unable to create a user-specified location for the Volume Shadow Copy Services staging area. The default staging area on the system drive will be used instead.

System action: Processing continues.

User response: Check the option to specify the staging area for Volume Shadow Copy Services operations and specify a valid location.

FMV5254E The Volume Shadow Copy Services snapshot plugin 'pivss.dll' was not found.

Explanation: The system cannot find the VSS snapshot plugin 'pivss.dll' in any of the plugin locations.

System action: Processing stops.

User response: Check the TSM installation to ensure the plugin was installed correctly.

FMV5255E Unable to copy local file '*local-file*' to remote location '*remote-file*'.

Explanation: An attempt to transfer a file to a remote system failed..

System action: Processing stops.

User response: Ensure that the directory path on the remote system exists and that the TSM application has the proper authority to write to that location.

FMV5256E Unable to copy remote file '*remote-file*' to local location '*local-file*'.

Explanation: An attempt to transfer a file from a remote system failed..

System action: Processing stops.

User response: Ensure that the directory path on the remote system exists and that the TSM application has the proper authority to read from that location.

FMV5257E The volume '*volume*' does not support the requested VSS operation.

Explanation: The volume does not support the requested VSS operation. Some reasons for this error include:

- For off-load backup requests, a hardware provider cannot be found
- For off-load backup requests, the provider does not support transportable media
- For local backup requests, the provider does not support persistent snapshots

System action: Processing stops.

User response: Retry the request using a supported backup destination.

FMV5258E Microsoft volume shadow copy snapshot initialization failed.

Explanation: IBM Tivoli Storage Manager encountered an error while initializing the Microsoft Volume Shadow Copy Service for backup or restore. The IBM Tivoli Storage Manager error log and Windows event log can contain additional information about this error.

System action: IBM Tivoli Storage Manager stops the operation.

User response: Try the operation again. If the error persists, review the IBM Tivoli Storage Manager error log and Windows event log for information related to this error. Use the Windows command VSSADMIN LIST WRITERS to determine the status of the Volume Shadow Copy service. Reboot the machine to clear the volume shadow copy error state. If the system is a Domain Controller and the Active Directory service is stopped, restart the Active Directory service.

FMV5259W Failed to update volume '*volume*' for read-write access used for '*volume*'.

Explanation: Changing the volume to read-write access requires exclusive access to the volume. If the volume is opened by any application, this operation will fail.

System action: Processing continues.

User response: Close all the applications using the volumes and use operating system's interface to mount failed volume for read-write access.

FMV5260W Restore object '*volume*' has volume either source '*volume*' or target '*volume*' volume that has already been selected for restore from a different snapshot volumes. It will be restore using file-level copy.

Explanation: This error can occur when multiple objects are selected for snapshot restore and have data overlapping on the volumes and were selected for restore from different backup versions. Snapshot restore can only be performed from one local backup.

System action: The restore object identified in the message will be restored using the file-level copy after snapshot restore is completed.

User response: Retry the restore of identified object separately for faster restore using snapshot.

FMV5261W An attempt to create a snapshot has failed. Another attempt will be made to create the snapshot in *number* seconds.

Explanation: An attempt to create a snapshot has failed with a retryable error. The program will wait for a short time and retry the operation.

System action: None.

User response: Check the IBM Tivoli Storage Manager error logs for additional information.

FMV5262I Snapshot restore will failover to file-level copy from snapshot volume.

Explanation: Snapshot restore is not possible due to an error at this time. TSMwill automatically fails over to other restore method to complete the restore operation.

System action: Processing continues.

User response: Check TSM error log for more information from messages preceding this one to identify the error condition.

FMV5263E Snapshot module for '*snapshot provider*' failed with error '*error msg*'.

Explanation: The snapshot module for identified snapshot provider failed to perform the operation and returned with the identified error.

System action: Restore may automatically failover to alternate restore method 'file-level copy from snapshot volume' if possible. Otherwise, processing stops.

User response: Check TSM error log for more information from messages preceding this one. Use snapshot provider interface to identify and correct the problem.

FMV5264W No snapshot plugin found for '*snapshot provider*' snapshot provider.

Explanation: The snapshot restore requires a plugin for the specified snapshot provider type. The plugin must be installed under TSM directory.

System action: Restore will failover to alternate restore method of 'file-level copy from snapshot volume'.

User response: Contact your TSM administrator to obtain and install the required plugin module.

FMV5265W Snapshot restore has already been initialized using '*snapshot provider*' provider module. Another module for '*snapshot provider*' provider can not be loaded at the same time for restore of '*object name*'.

Explanation: This error occurs when restoring multiple LOCAL backup objects that were created using different snapshot providers. Snapshot restore can only be done using one snapshot interface.

System action: Restore will failover to file-level copy restore from snapshot volume.

User response: If snapshot restore is desired for the object identified in the message, restore it using a separate command.

FMV5266E File-level copy restore of '*object name*' failed.

Explanation: Data files could not be copied from the local backup to their destination, causing restore to fail.

System action: Processing continues to another object, if multiple objects are selected for restore.

User response: Check TSM error log for more information from messages preceding this one.

FMV5267E Disk Mapper module failed for the operation.

Explanation: An underlying TSM operation has failed to perform the operation due to system error.

System action: Processing stops.

User response: Check TSM error log for more information from messages preceding this one to identify cause of the failure. Contact TSM administrator for more information.

FMV5268W The Microsoft Volume Shadow Copy Services writer '*name*' current state (*state*) is not valid for the current operation.

Explanation: None.

System action: The system will retry the operation automatically after thirty seconds up to three times to allow the writer to return to the proper state. If after three attempts the writer is still in the incorrect state, the operation will fail.

User response: Determine if there are other Volume Shadow Copy Services operations that are occurring concurrently with the current operation.

FMV5269E The Microsoft Volume Shadow Copy Services writer '*name*' current state (*state*) is not valid for the current operation or cannot be determined. The last error reported is '*error*'.

Explanation: None.

System action: Processing stops.

User response: Check the Microsoft event log to determine if there are any problems with the writer.

FMV5270E A VSS restore request with timestamp '*time1*' conflicts with a restore request with timestamp '*time2*'

Explanation: A VSS restore request was issued which requires restoring multiple components which reside in VSS backup documents with different backup timestamps. For example, a user backs up Exchange storage group STG1 on Monday and Exchange storage

group STG2 on Tuesday. On Wednesday, the user tries to restore STG1 and STG2.

System action: Processing stops.

User response: Resubmit the restore request as separate requests for each component. For example, if you receive this error trying to restore Exchange storage groups STG1 and STG2, resubmit a restore request for storage group STG1 and a separate restore request for storage group STG2.

FMV5271E **A Microsoft Volume Shadow Copy Services writer is in an invalid state before snapshot initialization.**

Explanation: None.

System action: Processing stops.

User response: See the IBM Tivoli Storage Manager error logs for additional information.

One of the VSS writers is in an invalid or unexpected state. Try the command "vssadmin list writers" and check the state of VSS writers. Writers must be in STABLE state before IBM Tivoli Storage Manager can continue with VSS operations. Some of the writers can recover automatically from minor errors. In most cases, restarting a writer solves the problem. The easiest way to restart writers is to restart the operating system. It is possible to restart the specific service that implements a VSS writer, but it is difficult to determine which service to restart.

FMV5272E **A Microsoft Volume Shadow Copy Services writer is in an invalid state after snapshot initialization.**

Explanation: None.

System action: Processing stops.

User response: See the TSM error log for additional information.

FMV5273E **A Microsoft Volume Shadow Copy Services writer is in an invalid state after taking a snapshot.**

Explanation: None.

System action: Processing stops.

User response: See the TSM error log for additional information.

FMV5274E **A Microsoft Volume Shadow Copy Services writer is in an invalid state after backup completion.**

Explanation: None.

System action: Processing stops.

User response: See the TSM error log for additional information.

FMV5275E **A Microsoft Volume Shadow Copy Services writer is in an invalid state before restore initialization.**

Explanation: None.

System action: Processing stops.

User response: See the TSM error log for additional information.

FMV5276E **A Microsoft Volume Shadow Copy Services writer is in an invalid state after preparing for a restore operation.**

Explanation: None.

System action: Processing stops.

User response: See the TSM error log for additional information.

FMV5277E **A Microsoft Volume Shadow Copy Services writer is in an invalid state after restore termination.**

Explanation: None.

System action: Processing stops.

User response: See the TSM error log for additional information.

FMV5278W **Error processing '*filename*': file not found.**

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

System action: File skipped.

User response: None.

FMV5279E **Error processing '*filename*': file not found.**

Explanation: The file being processed for backup, archive, or migrate, no longer exists on the client. Another process deleted the file before it was backed up, archived, or migrated by IBM Tivoli Storage Manager.

System action: Processing stops.

User response: None.

FMV5280E Object enumeration from a file set or file list failed.

Explanation: For more information, see the IBM Tivoli Storage Manager client error log. This message is always accompanied by error log message FMV5279E if the object was not found or by FMV5250E for other causes, for example, access was denied. These messages identify the object in question.

System action: Processing stopped.

User response: See the user response based on other messages in the client error log.

FMV5281E A remote backup failure has occurred. remote node name : *node* **remote address :** *address* **multi-node name :** *multi-node* **error message :** *msg* **return code :** *rc*

Explanation: For more information, see the IBM Tivoli Storage Manager client error log on the remote system.

System action: Processing stopped.

User response: See the user response based on other messages in the client error log.

FMV5282E A remote backup failure has occurred.

Explanation: For more information, see the IBM Tivoli Storage Manager client error log.

System action: Processing stopped.

User response: See the user response based on other messages in the client error log.

FMV5283E The operation was unsuccessful.

Explanation: None.

System action: Processing stopped.

User response: See the user response based on other messages in the client error log.

FMV5284I TSM has detected an incomplete setup! The client options file 'dsm.opt' was not found, while the system options file '*file-path***' exists! The wizard will guide you through the configuration process of the initial basic TSM client options files replacing your current option file. Would you like to continue?**

Explanation: TSM has detected an incomplete setup. The user options file, dsm.opt, was not found. Additionally, a system options file, dsm.sys, was found. To complete the configuration the configuration wizard will create dsm.opt and replace dsm.sys with minimal settings.

System action: TSM may stop

User response: If the current version of dsm.sys is needed, rename the file and restart TSM. If the current version is not needed, select yes and allow TSM to replace the file.

FMV5285E The Microsoft Volume Shadow Copy Services (VSS) backup XML document is not valid for restore. For more information, see the TSM client error log.

Explanation: Microsoft has released a Volume Shadow Copy Services (VSS) update in the following operating system versions:

- Windows 2003 update rollup package KB940349
- Windows Vista Service Pack 1

This new VSS fix packages causes VSS to generates .xml control files in a format which is not compatible with the earlier versions of VSS. This error can occur when a system state restore is being performed from a base operating system level which does not have the VSS fixes applied and the system state backup files were created by an operating system level that did have the VSS fixes applied.

System action: Processing stops.

User response: The restore procedure for Windows system state requires that the operating system version and service pack level used to initiate the restore be at the same operating system and service pack level used to create the system state backup. In addition note the following:

- On Windows 2003 systems you must also apply the VSS rollup package KB940349 prior to performing the Ssystem state restore.
- On Windows Vista you must apply the same service pack that was installed at the time of backup prior to performing the system state restore.

FMV5286I The VSS Instant Restore operation was successful but some existing VSS snapshots have been deleted by the VSS provider.

Explanation: A successful VSS Instant Restore operation was performed for snapshot volumes that were in a dependent relationship. In order for the restore process to succeed, it was necessary to remove the snapshot volumes causing the dependency. Those snapshot volumes typically represent newer snapshot backups. This forced TSM to remove the backups that included the deleted snapshots. This situation is typical when using SAN Volume Controller (SVC) space-efficient volumes that have multiple snapshots.

System action: Processing continues.

User response: None.

FMV5287W **VSS restore operation will be performed using VSS Fast Restore because the XIV VSS Hardware Provider is at level 2.2.2.**

Explanation: XIV VSS Hardware Provider 2.2.2 has issues with VSS Instant Restore. Please update the XIV VSS Hardware Provider to version 2.2.3, or later.

System action: Processing continues.

User response: Update XIV VSS Hardware Provider to version 2.2.3, or later.

FMV5296I **The virtual machine '***vm-name***' contains one or more virtual disks that are of type Thick Eager Zero. Creating disks of this type can take a long time. This restore operation might time out before the disks are ready.**

Explanation: Restoring a VM that has Thick Eager Zero virtual disks can take a long time to complete because the disks are zero-filled to obscure any previous content. The time that is required to provision a Thick Eager Zero disk depends on processing loads on the VMware resources (vCenter and datastores).

System action: None

User response: Reattempt the restore operation at a time when the processing load is light on the datacenter and vCenter resources

FMV5298E **A Flashcopy background copy is in progress between source volume: and target volume: .**

Explanation: A Flashcopy background copy from a previous operation is not complete for the given source and target volumes.

System action: Command will fail.

User response: Please wait until the background copy is complete and retry the command.

FMV5299E **A Flashcopy association exists between source volume: and a different target volume: .**

Explanation: A Flashcopy association exists between the source volume and a target other than the designated target volume.

System action: Restore command will fail.

User response: Please withdraw the Flashcopy association between the source volume and the target volume and retry the restore command.

FMV5300E **Error detected in specified file list '***file list name***' during processing of line** *line number***: found an invalid** *external object ID / inode number / inode generation number / restore order number / alias* **entry: '***invalid entry***'. Invalid line: '***invalid entry***'**

Explanation: File list parsing failed because of an invalid entry.

System action: The operation aborted because of an file list error.

User response: Correct the invalid file list entry and restart the operation.

FMV5301E **Error detected in specified file list '***file list name***' during processing of line** *line number***: found an invalid ordering of external object IDs. ext. object ID of previous file:** *previous external object ID* **ext. object ID of current file:** *current external object ID*

Explanation: File list parsing failed because of an invalid ordering of the external object IDs.

System action: The operation aborted because of an file list error.

User response: Correct the invalid file list ordering and restart the operation.

FMV5302E **File list stream error to file '***file list name***' detected during processing of line** *line number***.**

Explanation: File list processing failed because of an stream error.

System action: The operation aborted because of an file list stream error.

User response: Check the specified file list and restart the operation.

FMV5303I ***** *date* **Processed** *count* **TSM server and** *count* **file list objects *****

Explanation: TSM has processed the specified number of TSM server and file list objects.

System action: Processing continues.

User response: None.

FMV5304E *program-name***: synchronous file deletion failed for external object ID:** *external object ID***.**

Explanation: The HSM client could not delete an object on the TSM Server.

System action: Current file is skipped for synchronous file deletion and the process will continue.

User response: Check the TSM server log file.

FMV5307E The session is rejected. The server does not allow a signon of a client that is not enabled for space-management retention-protection.

Explanation: The client cannot establish a connection to the server because the server is enabled for space-management retention-protection and the client is not.

System action: The session is not started.

User response: See your system administrator.

FMV5821E Cannot connect to Active Directory.

Explanation: TSM could not connect to Active Directory. The Active Directory is either not running or you don't have enough permissions to use it.

System action: Processing stops.

User response: Make sure your system is set up as Active Directory controller and the the service is active. Make sure you are logged in as a user with sufficient rights to administer the Active Directory.

FMV5822E No Active Directory objects match query.

Explanation: A search has been performed in Active Directory; however, no objects matching the query were found.

System action: Processing stops.

User response: Make sure you specify a valid distinguished name of Active Directory object or a container, or a valid wildcarded name, and that you have sufficient rights to administer the Active Directory.

FMV5823W Object exists, skipping

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

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

User response: The object was skipped because either REPLACE NO was in effect, causing all existing objects to be skipped, or REPLACE PROMPT was in effect, and when prompted, the user chose to skip this object. No additional action is necessary if the decision to skip the object was deliberate. Otherwise the operation can be retried using either REPLACE ALL (automatically replace existing object) or REPLACE PROMPT (prompt the user whether to replace the object).

FMV5824E Invalid Active Directory search specification.

Explanation: The search specification for Active Directory objects is not valid.

System action: Processing stops.

User response: Refer to the documentation for supported Active Directory syntax.

FMV5825E Reanimate '*tombstone-name*' to '*distinguished-name*' failed. See the error log for more details.

Explanation: An attempt to reanimate Active Directory tombstone object has been performed, but an error occurred.

System action: Processing continues to process all other tombstone objects per user's request.

User response: None.

FMV5826E Restoring to a read-only domain controller is not allowed.

Explanation: An attempt to restore to a read-only domain controller.

System action: Processing stops.

User response: None.

FMV5827E A backup copy of the Active Directory database was not found.

Explanation: An attempt to restore Active Directory objects from a database that was not backed up.

System action: Processing stops.

User response: Verify the Active Directory was backed up with system state.

FMV5828E A system state file space was not found on the server. Active Directory functions can not be executed.

Explanation: An attempt to restore the Active Directory database from a system state backup that does not exist.

System action: Processing stops.

User response: Verify that system state was backed up or back up the system state then retry the command.

FMV5829E A system state backup on the specified date was not found. Active Directory functions can not be executed.

Explanation: An attempt to restore the Active Directory database from a system state backup that does not exist.

System action: Processing stops.

User response: Verify that system state was backed up on the specified date or specify a new date.

FMV5830E Restore of object '*tombstone-name*' is not allowed by Active Directory.

Explanation: Object of certain types cannot be restored. This is a system limitation.

System action: Processing continues to process all other objects per user's request.

User response: None.

FMV5831E Restore for this object is not allowed by Active Directory.

Explanation: Object of certain types cannot be restord. This is a system limitation.

System action: Processing continues to process all other objects per user's request.

User response: None.

FMV5832E Reanimate tombstone object failed. See the error log for more details.

Explanation: An attempt to reanimate Active Directory tombstone object has been performed, but an error occurred.

System action: Processing continues to process all other tombstone objects per user's request.

User response: None.

FMV5833E This system is a Domain Controller but the Active Directory service is stopped. You can not perform the operation unless the Active Directory service is running.

Explanation: The Active Directory service must be running when you back up or restore the system state or operate on Active Directory objects. When the Active Directory service is running, it can be in online state or in offline state. When you query or restore Active Directory objects, or back up the system state, the Active Directory service must be online. When you restore the system state, the Active Directory service must be offline (but not stopped).

System action: Processing stopped.

User response: If you are querying or a restoring the Active Directory objects or backing up the system state, put the Active Directory service in online state by starting the Active Directory service. If you are restoring the system state, put the Active Directory service in offline state by rebooting to the Active Directory Restore Mode. When the Active Directory service is in the appropriate state, retry the operation.

FMV5834E Unexpected LDAP error occurred. See the error log for more details.

Explanation: An unexpected error occurred during Active Directory tombstone reanimation.

System action: Processing continues to process all other tombstone objects per user's request.

User response: Check the error log for detailed information on the LDAP error.

FMV5835E An LDAP operation returned *return code*: '*error string*'

Explanation: An unexpected error occurred during Active Directory tombstone reanimation.

System action: Processing continues to process all other tombstone objects per user's request.

User response: None.

FMV5836W One or more attributes were not restored. See the error log.

Explanation: During processing of an Active Directory object, one or more object attributes could not be restored.

System action: Processing continues to process all other Active Directory objects per user's request.

User response: Check the error log for detailed information on which attribute(s) could not be restored.

FMV5837W '*object name*': **attribute** '*attribute name*' **could not be restored.**

Explanation: The listed attribute could not be restored during processing on the Active Directory object.

System action: Processing continues to process all other Active Directory objects per user's request.

User response: None.

FMV5838E The utility dsamain.exe does not exist on the system. You cannot perform the operation unless Tivoli Storage Manager can launch this utility.

Explanation: You attempted to launch dsamain.exe, but the utility does not exist.

System action: Processing stopped.

User response: Verify that the dsamain.exe utility exists in the Windows system32 directory. When you can run the utility independently of Tivoli Storage Manager, retry the operation.

FMV5839E The Active Directory object specification is not allowed.

Explanation: You attempted to restore the domain object (starting with "DC="), or you attempted to restore all objects ("name=*"), or you did not specify anything.

System action: Processing stops.

User response: Modify the specification then retry the operation.

FMV5840E The current user is not a member of the Administrators group, and cannot perform this function.

Explanation: You must be a member of the Administrators group to perform the Active Directory objects function.

System action: Processing stops.

User response: Log on with a user who is a member of the Administrators group or add this user to the Administrators group then retry the operation.

FMV5841E Active Directory database could not be opened.

Explanation: An error occurred while opening the restored Active Directory database.

System action: Processing stopped.

User response: Make sure ntdsutil.exe utility is located in the same directory with TSM client executables. If it doesn't exist, reinstall the client. Verify that the dsamain.exe utility exists in the Windows system32 directory. When you can run the utility independently of Tivoli Storage Manager, retry the operation. If the problem persists, contact the support.

FMV5842E '*tombstone-name*': object class violation.

Explanation: Object class error violation occurred during tombstone reanimation. This can happen if the Active Directory schema was modified and is no longer compatible with the tombstone.

System action: Processing continues to process all other objects per user's request.

User response: Recreate the failing object manually or restore it from a backup.

FMV5843E Object class violation.

Explanation: Object class error violation occurred during tombstone reanimation. This can happen if the Active Directory schema was modified and is no longer compatible with the tombstone.

System action: Processing continues to process all other objects per user's request.

User response: Recreate the failing object manually or restore it from a backup.

FMV5844E Unable to update password.

Explanation: An error occurred during the password update attempt.

System action: The password is not updated on the server.

User response: Try to update the password again.

FMV5845E Unable to update password because the maximum number of update attempts has been exceeded.

Explanation: This message is issued after making 3 unsuccessful attempts to update the password. The original password for the node was entered incorrectly; the new password does not meet the length or valid character requirements for our passwords; or there was a mismatch between the first and second times the new password was entered.

System action: The password is not updated.

User response:

- Make sure the original password is entered correctly. Contact your TSM administrator for further assistance if you do not know the original password.
- Make sure the new password meets the password length and character requirements.
- You will be prompted to enter the new password two times, so make sure it is entered correctly both times.

FMV5876I SET EVENT Activate Retention completed

Explanation: The Data Retention ACTIVATE transaction has completed.

System action: TSM activated the objects that were selected.

User response: Continue with normal operations.

FMV5877I SET EVENT Hold completed

Explanation: The Data Retention HOLD transaction has completed.

System action: TSM held the objects that were selected.

User response: Continue with normal operations.

FMV5878I SET EVENT Release completed

Explanation: The Data Retention RELEASE transaction has completed.

System action: TSM released the objects that were selected.

User response: Continue with normal operations.

FMV6001S **NULL character found in the name of folder/file *filename*.**

Explanation: A NULL character was found in the name of a file or folder. Some products place a NULL character in a file name so that the file is sorted alphabetically to the top of a list. TSM cannot backup/restore such files.

System action: TSM cannot complete the requested operation.

User response: Remove the NULL character by renaming the file or folder.

FMV7421W **The archive attribute for file *filename* cannot be reset. The return code from Windows API function SetFileAttributes() is *rc*.**

Explanation: The client was unable to reset the archive attribute for the file indicated in the message. This error is due to an error received from the Windows API function SetFileAttributes().

System action: processing stops.

User response: Try the operation again. If the problem persists, it may be indicative of a problem with the file. Contact your system administrator or TSM administrator for further assistance.

FMV7422E **Unsupported action '*action*' in schedule '*schedule name*'.**

Explanation: The scheduled action is unknown to the current version of the IBM Tivoli Storage Manager client and cannot be performed by means of a schedule. The most likely cause is that the scheduled action requires a later version of the backup-archive client. The unsupported action is displayed as a number because the text description is not available. Scheduled actions and their corresponding action number can be found by searching for this message on the IBM Tivoli Storage Manager support site.

System action: The scheduled action is not performed or queried.

User response: Search the IBM Tivoli Storage Manager support site for this message to find information about scheduled actions, their corresponding action numbers and the client version at which the action is supported. Then upgrade your IBM Tivoli Storage Manager client to a version that supports running this action as a scheduled event. Until the client is upgraded, you can run the action manually if your version of the client supports it.

FMV7423E **Use Set Access backup <vmname> -TYPE=VM for VMware backup file spaces. Use of the long form *fs-name* is not allowed.**

Explanation: You have chosen to set access using the long-form VM file space name. This name format is not platform independent and requires special processing. Use the -TYPE=VM option and supply only the VM name.

System action: The set access command is not processed.

User response: Enter the set access command using the -TYPE=VM option and the short form of the VM file space name which is simply the VM name.

FMV7500W **Object '*object-name*' could not be bound to management class '*mgmt-specified*' specified in an '*option*' statement.**

Explanation: The management class specified in an include statement was not valid. If the include statement is an "INCLUDE.SIZE" statement the warning message will be issued if an appropriate copygroup is defined for the management class. For example, this warning will be issued on a backup operation if no backup copygroup is defined for the management class or this message will be issued on an archive operation if no archive copygroup is defined for the management class.

System action: The management class on the include statement is ignored and processing continues.

User response: Contact the TSM administrator to correct the appropriate copygroup definition on the TSM Server.

FMV7501E **An invalid host address was received. Host address is too long.**

Explanation: An invalid host parameter was found in the HTTP Request. The parameter is too long. The maximum length for a host address is 64 characters.

System action: TSM returns HTTP error code 400 Bad Request.

User response: Use a host machine with a valid/shorter host address.

FMV7502E **An invalid filename was received. Filename is too long.**

Explanation: A filename passed to the dsmcad service is too long and thus invalid.

System action: TSM returns HTTP error code 400 Bad Request.

User response: Retry connecting to dsmcad but use a valid/shorter filename.

FMV7503W Invalid drive entry

Explanation: An invalid entry is entered on the Drive field.

System action: TSM prompts you to enter a valid drive letter.

User response: Enter a valid drive letter or see your system administrator for the correct syntax.

FMV7504W Invalid directory entry

Explanation: An invalid entry is entered on the Directory field.

System action: TSM prompts you to enter a valid directory.

User response: Enter a valid directory or see your system administrator for the correct syntax.

FMV7505W Invalid filename entry

Explanation: An invalid entry is entered on the Filename field.

System action: TSM prompts you to enter a valid file name.

User response: Enter a valid file name or see your system administrator for the correct syntax.

FMV7506W Invalid label entry

Explanation: An invalid entry is entered on the Label field.

System action: TSM prompts you to enter a valid volume label.

User response: Enter a valid volume label or see your system administrator for correct syntax.

FMV7507W The node name entry is invalid. Please try again.

Explanation: An invalid entry is entered on the Node Name field.

System action: TSM prompts you to enter a valid node name.

User response: Enter a valid node name or see your system administrator for the correct syntax.

FMV7508W Duplicate authorization

Explanation: The authorization rule entered by the user is already defined. Duplicate rules are not allowed.

System action: TSM allows you to enter a different rule.

User response: Enter an authorization rule that has not been defined yet or cancel defining authorization rules.

FMV7509W Drive and/or volume label do not exist

Explanation: Either the drive or the volume label or both do not match the existing ones. Rules must be defined on existing drives and volumes.

System action: TSM prompts you to reenter drives and/or volumes or cancel defining authorization rules.

User response: Enter an existing drive and volume to define the desire rule.

FMV7510E A NAS node cannot be used for this operation.

Explanation: NAS nodes cannot be used for operations like Access Another Node.

System action: TSM prompts you to enter a valid node name.

User response: Enter a valid, non-NAS, TSM node name.

FMV7522E Environment variable *name* is not set.

Explanation: Required environment variable as indicated in the message is not set for TSM processes.

System action: Processing stops.

User response: Set the environment variable and restart TSM processes then retry the operation.

FMV7523E The hardware type *number* is not known to TSM.

Explanation: Due to a configuration or internal error, underlying snapshot hardware type is not set correctly.

System action: Processing stops.

User response: Check your configuration and error log file for more information. If unresolved, contact your TSM administrator for help.

FMV7524E SSL is required.

Explanation: SSL is required to protect the client password during authentication.

System action: Processing terminates.

User response: Enable SSL communication or set SSLREQUIRED to NO.

FMV7525E SSL is required by server.

Explanation: SSL is required to protect the client password during authentication.

System action: Processing terminates.

User response: Enable SSL communication or contact your TSM server administrator.

FMV7526E The SNAPSHOTROOT option is not valid with either of the following options: -GROUPNAME and -VIRTUALFSNAME.

Explanation: The SNAPSHOTROOT option is incompatible with the -GROUPNAME and -VIRTUALFSNAME options and cannot be used with either one of those options.

System action: Processing stops.

User response: For information about backup-archive client processing options, see IBM Tivoli Storage Manager Backup-archive Clients Installation and User's Guide.

FMV7527E The (-SNAPSHOTROOT) option is not valid in conjunction with *num-specs* file specifications.

Explanation: The (-SNAPSHOTROOT) option must be used in conjunction with only one file specification. It cannot be used with zero file specification (e.g., an INCREMENTAL command with no file specifications) or with more than one file specification.

System action: Processing stopped.

User response: See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV7528W The (-SNAPSHOTROOT) option is not valid in conjunction with the Logical Volume Snapshot Agent. Processing will continue without the use of the Logical Volume Snapshot Agent.

Explanation: The (-SNAPSHOTROOT) option is incompatible with the Logical Volume Snapshot Agent. The Logical Volume Snapshot Agent provides a comprehensive snapshot solution without having to use the (-SNAPSHOTROOT) option. It is strongly recommended that the snapshot capabilities provided by the Logical Volume Snapshot Agent be used instead of using the (-SNAPSHOTROOT) option. Processing continues without the use of the Logical Volume Snapshot Agent.

System action: Processing continues without the use of the Logical Volume Snapshot Agent.

User response: See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV7529E The specified SNAPSHOTROOT '*obj-name*' is not valid for the BACKUP IMAGE command.

Explanation: When you use the (-SNAPSHOTROOT) option with the BACKUP IMAGE command, SNAPSHOTROOT must specify the device name of the logical volume containing the snapshot for the backup. An example is /dev/fslv01 (on Unix) or \\?\GLOBALROOT\Device\ HarddiskVolumeShadowCopy1 (on Windows).

With BACKUP IMAGE, SNAPSHOTROOT cannot be used unless SNAPSHOTPROVIDERIMAGE has one of the following values in effect:

- VSS
- JFS2

System action: Processing is stopped.

User response: For the correct use of the (-SNAPSHOTROOT) option, see the appropriate *Backup-Archive Client Installation and User's Guide* book for your operating system.

FMV7530E The snapshot_volume_name cannot end with a directory delimiter.

Explanation: The snapshot_volume_name cannot end with a directory delimiter. This name should specify the root of a logical volume, e.g., /snapshot, x:, \\machine\x$, SNAP_VOL:, etc.

System action: Processing stopped.

User response: See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV7531E The (-SNAPSHOTROOT) option is invalid when processing the NetWare NDS or Server Specific Information.

Explanation: The (-SNAPSHOTROOT) option is only intended with NetWare file server volumes and is not compatible with processing the NDS or Server Specific Information on NetWare.

System action: Processing stopped.

User response: See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV7532E The logical file system specified with the (-SNAPSHOTROOT) option cannot be a remote NetWare file system.

Explanation: The (-SNAPSHOTROOT) option is only intended with local NetWare file server volumes and is not compatible with remote NetWare volumes.

System action: Processing stopped.

User response: See the appropriate *Using the Backup-Archive Client* book for your operating system for correct use of the named option.

FMV7533E The specified file system '*obj-name*' does not exist or is not local.

Explanation: When you use the (-SNAPSHOTROOT) option, the target and source file systems must be valid, local file systems. The file systems cannot be non-local, such as a remote NetWare drive, a remote Windows drive, or an NFS mount. The (-SNAPSHOTROOT) option is valid for local operations only.

System action: Processing is stopped.

User response: For the correct use of the (-SNAPSHOTROOT) option, see the appropriate *Backup-Archive Client Installation and User's Guide* book for your operating system.

FMV7534W Initialization functions cannot open /dev/tty special file. errno = *errno-value*, *error message*

Explanation: Special file /dev/tty, required by command line internal editor could not be opened during initialization. The system set the error code *errno-value*.

System action: Processing continues as if EDITOR option was set to NO.

User response: Check your terminal settings.

FMV7535W Command line internal editor can not be initialized.

Explanation: EDITOR option is set to YES in the options file, but command line internal editor can not be started.

System action: Processing continues as if EDITOR option was set to NO

User response: Check previous messages to determine the reason why the internal editor could not be started.

FMV7543E Error: Scout is not available for object query. Either scout is not running or the initial file system scan has not finished.

Explanation: The scout daemon must be running for the reconcile process to do a query for all migrated files. If the scout daemon is not running or the initial file system scan has not finished you cannot run the reconcile tool in orphan check mode.

System action: Processing stops.

User response: Ensure that the scout daemon is running. If the scout daemon is not running, restart it and retry the command. If the scout daemon is running, wait until it finishes the initial file system scan. You can check the current status of the scout daemon by using the dsmscoutd scanplan command.

FMV7544E ICC routine *icc-routine* failed with the following error: "*error-string*".

Explanation: There was an error within ICC cryptography library while processing the data. For example, this problem can occur when encrypted client data is corrupted, so the restore operation cannot correctly decrypt it. This message reports an error code and problem description which can be used by TSM technical support personnel to determine the cause of the failure.

System action: The processing stops.

User response: Ensure TSM software is installed correctly. If needed, reinstall the software. Make sure you use the correct encryption key password for the data. Make sure there are no TSM server or network problems that may affect the transfer of data. If the problem still exists, contact TSM technical support.

FMV7545E Unexpected error while encrypting the data.

Explanation: There was an error while encrypting the data. See the error log for more information.

System action: The object is not backed up.

User response: Ensure TSM software is installed correctly. If needed, reinstall the software. Retry the operation. If the problem still exists, contact TSM technical support.

FMV7546E Unexpected error while decrypting the data.

Explanation: There was an error while decrypting the data. See the error log for more information. This can happen if the encrypted data has been corrupted while in storage, during the network transfer, or both.

System action: The object is not restored.

User response: Ensure TSM software is installed correctly. If needed, reinstall the software. Make sure there are no TSM server or network problems that may affect the transfer of data. Retry the operation. If the problem still exists, contact TSM technical support.

FMV7547E Unexpected error while digesting the data.

Explanation: There was an error while digesting the data. See the error log for more information.

System action: The object is not backed up.

User response: Ensure TSM software is installed correctly. If needed, reinstall the software. Retry the

operation. If the problem still exists, contact TSM technical support.

FMV7550E **The absolute option requires using the CreateNewBase=yes option when performing a snapshot differential backup.**

Explanation: The absolute option specified does not have any effect when performing a snapshot differential backup.

System action: Processing stopped.

User response: Try to use the CreateNewBase=yes option when performing a snapshot differential backup.

FMV7551E **The source path cannot contain a drive letter**

Explanation: The entered path cannot contain a drive letter.

System action: TSM did not continue with the requested operation.

User response: Enter the source path in the correct format.

FMV7552I *timestamp* ***** **Processed** *count* **files** *****

Explanation: IBM Tivoli Storage Manager has processed the specified number of files.

System action: Processing continues.

User response: None.

FMV7553W **Disabled demand migration (ENOSPC) on file system** *file-system-name* **because of high threshold, low threshold, and pmpercentage settings.**

Explanation: The settings of high threshold = 100, low threshold = 100, and pmpercentage = 0 are reserved to disable demand migration and automigration. Used for GPFS driven migration.

System action: Processing continues.

User response: None.

FMV7554E **provider option is required if HSMBACKENDMODE is set to TSMFREE.**

Explanation: You need to specify provider option for every operation with dsmmigrate.

System action: The operation stopped.

User response: Specify the provider option value for the operation.

FMV7555E **The destination path must contain a drive letter**

Explanation: The entered path must begin with a drive letter, colon, and root slash.

System action: TSM did not continue with the requested operation.

User response: Enter the destination path in the correct format.

FMV7556E **An invalid drive letter was entered**

Explanation: You entered an invalid drive letter.

System action: TSM prompts you for the correct drive ID.

User response: Reenter the drive ID in the correct format.

FMV7557E **invalid provider.**

Explanation: You need to specify a valid provider for every operation with dsmmigrate.

System action: The operation stopped.

User response: Specify a valid provider option value for the operation.

FMV7558E **target option is required if HSMBACKENDMODE is set to TSMFREE.**

Explanation: You need to specify target option for every operation with dsmmigrate.

System action: The operation stopped.

User response: Specify the target option value for the operation.

FMV7559E **The absolute option requires specifying the NoJournal option when performing a Journal Based Backup for backing up fs .**

Explanation: The absolute option specified does not have any effect when performing journal based backups.

System action: Incremental backup is performed.

User response: Verify that the file spaces specified are not associated with journal based backup. If the -nojournal option is also specified, then this message will not appear.

FMV7560E Drive *drive-name* has no volume label. Backup/Archive not allowed.

Explanation: The specified *drive-name* selected cannot be backed up.

System action: TSM rejected the selected drive.

User response: If the drive is a floppy drive, place a disk with a volume label in it and retry the operation. If the disk is a hard drive, ensure the drive has a volume label, and retry the operation.

FMV7561E Drive *drive-name* is unavailable

Explanation: In an attempt to process a file, the specified *drive-name* was found unavailable.

System action: TSM did not process the file.

User response: Determine why the drive was not available, make it ready, and retry the operation.

FMV7564E Backup or archive of drives with duplicate volume labels is not allowed.

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

System action: TSM cannot select the drive for backup or archive operations.

User response: If the volume needs to be available to the system, exit TSM and assign a unique volume label to the drive. Restart TSM and try the operation again.

FMV7566E Unable to load external library: *reason*

Explanation: There is no valid library in hsm/bin directory.

System action: The operation stopped.

User response: Copy a valid external library to hsm/bin directory.

FMV7567E *program-name*:External recall failed! Reason:

Explanation: There is no valid library in hsm/bin directory.

System action: The operation stopped.

User response: Copy a valid external library to hsm/bin directory.

FMV7641I The user does not have administrative credentials to perform a full system state backup.

Explanation: The user account used to perform system state backup including ASR Writer data must be a member of the Administrators group.

System action: System state backup skips ASR Writer data.

User response: Log on with a user who is a member of the Administrators group or add this user to the Administrators group. Then try the system state backup again.

FMV7642E An error occurred creating the registry directory structure.

Explanation: An error occurred while creating the directory structure to save or replace a registry key.

System action: Registry function fails.

User response: Ensure that the user account that is running the backup of the registry has the proper authority. If the user account has the proper authority, you might need to restart the machine. There might be operations that are pending which have a file or files in the registry directory structure locked.

FMV7643E The deployment manager detected that the client is being upgraded to an incorrect architecture - from 32 bit to 64 bit or from 64 bit to 32 bit.

Explanation: When upgrading clients to releases lower than 6.3, deployment manager allows upgrades to like architecture only.

System action: Processing stops.

User response: Uninstall the client and install the Backup-Archive client at the correct bitness level.

FMV7650E The user does not have sufficient privileges to execute IBM Tivoli Storage Manager.

Explanation: The user account used to execute IBM Tivoli Storage Manager must have the "Back up files and directories" and the "Restore files and directories" security settings assigned.

System action: Processing stops.

User response: Assign the "Back up files and directories" and the "Restore files and directories" security settings to the account using the Windows Local Security Settings tool or use a different user-id to execute IBM Tivoli Storage Manager.

FMV7660E **An error occurred replacing one or more registry keys.**

Explanation: The registry key or keys being replaced are exclusively held by another process. The registry keys were previously restored but the system was not restarted.

System action: processing stops.

User response: Restart the system and try the restore operation again.

FMV7701E **The specified directory cannot be created.**

Explanation: The directory contains invalid characters, or you are not authorized to create the directory.

System action: The directory selection dialog remains open so that you can specify another directory name.

User response: Specify another directory name. Ensure that the directory contains valid characters and that you have proper authorization to create the directory.

FMV7709E **Restore operation failed. Not all files were restored.**

Explanation: Restore operation failed due to an error.

System action: Operation completed.

User response: Check the error log for more details.

FMV7899E **The client referenced a deduplicated extent that does not exist on the TSM server**

Explanation: The deduplicated extent has been deleted from the server during the backup or archive operation. If you are using deduplication cache, it might be out of synch with the TSM server.

System action: The processing stops.

User response: Retry the operation. If the problem persists, turn off deduplication and retry the operation.

FMV7900W **Deduplication cache has been reset because it is not synchronized with the TSM server**

Explanation: The deduplication cache contains deduplicated extent entries that do not exist on the TSM server. This occurs when the extents are deleted from the TSM server after they were recorded in the deduplication cache.

System action: The deduplication cache is reset, and all cache entries are removed. The processing continues.

User response: None

FMV7901W **Client deduplication and** *option-name* **are mutually exclusive.**

Explanation: The following features cannot be used with deduplication: lan-free, subfile, NAS, useTsmBuffers.

System action: Client deduplication is disabled.

User response: Review the configuration. Do not configure deduplication with the lan-free, subfile, NAS, or useTsmBuffers features.

FMV7902I **Client deduplication cache is full. Cache is reset.**

Explanation: The number of entries cached in the client deduplication cache has exceeded the configured size for the cache.

System action: The deduplication feature is designed so that this happens periodically. The cache is reset to no entries.

User response: You can reconfigure the client deduplication cache size to a larger value to reduce the frequency of resets.

FMV7903W **Client deduplication cache is locked by another process.**

Explanation: Another process is using the client deduplication cache. Only one process may use it at a time.

System action: This process does not use the client deduplication cache. The server deduplication is not changed.

User response: You can serialize processes using the client deduplication cache. Or you can reconfigure the current process to use a different cache path to avoid contention.

FMV7904E **Client deduplication and lan-free or subfile backup are mutually exclusive.**

Explanation: Client deduplication and lan-free or subfile are mutually exclusive.

System action: Client deduplication is disabled.

User response: Review the configuration. Do not configure deduplication with the lan-free or subfile feature.

FMV7905L **Client deduplication statistics. Total Objects Deduplicated** *objectsDeduplicated* **Total Bytes Inspected** *bytesInspected* **Total Bytes Processed** *bytesProcessed* **Deduplicated Reduction Ratio** *dedupReduction* **Total Reduction Ratio** *totalReduction*

Explanation: Deduplication statistics for diagnostic purposes.

System action: This message is for informational purposes only.

User response: No action is required.

FMV7906W Current storage pool ran out of space, data will be stored into the next pool - deduplication is disabled.

Explanation: The current storage pool on the TSM server is out of space. Data will be stored in the next storage pool. Deduplication is disabled and the transaction is being resent.

System action: Deduplication is disabled to allow the backup to complete.

User response: Contact your system administrator to add volumes to current storage pool.

FMV7907W Connection to repository *repos-name* **failed. Retrying with** *repos2-name***.**

Explanation: Unable to connect to the Fastback DR Hub repository. Retry using Fastback server repository.

System action: Retry operation.

User response: Specify a vaild repository.

FMV7908E Unable to mount FastBack snapshot policy '*Policy***' client '***Client***' volume '***Volume***'. Reason:** *reason*

Explanation: TSM Mount failed.

System action: TSM cannot continue processing.

User response:

FMV7912E FastBackMount or FastBackShell is not installed.

Explanation: Failure initializing FastBack environment. FastBackShell or FastBackMount are not installed or are not located in the FastBack install directory.

System action: The FastBack operation cannot continue.

User response: Reinstall the software. The FastBackShell and FastBackMount must be installed on the dedicated proxy computer.

FMV7913E The given branch was not found in the DR Hub repository.

Explanation: The parameter to the required fbbranch option is incorrect.

System action: The operation cannot continue.

User response: Correct the parameter given for the fbbranch option.

FMV7914E Incremental backup of FastBack client '*vmname***' failed with RC** *rc*

Explanation: The archive or incremental backup of FastBack client volumes failed.

System action: The archive or backup of FastBack client finished with failures. The next FastBack client will be processed. The reason for the failure is written to the local client error log.

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

FMV7915E Failure mounting FastBack client '*vmname***' with FastBack command. RC=***rc***

Explanation: The FastBackMount command failed to mount a FastBack volume.

System action: The archive or backup of the FastBack volume can not continue. The next Volume in in line will be processed. The output of the FastBackMount command will show the reason for the failure.

User response: Check the local client error log for the reason for the failure. Issue a FastBack command for the FastBack volume to determine the reason for the failure. Refer to the documentation for that message for more information.

FMV7916E Failure initializing FastBack environment.RC=*rc*

Explanation: Failure initializing FastBack environment. Can not find FastBackShell.exe command. The FastBackShell or FastBackMount is not installed or FastBackShell.exe command is not located in the FastBack install directory.

System action: The backup can not continue. The output of the FastBack command will show the reason for the failure.

User response: Issue a FastBack command to determine the reason for the failure. Refer to the documentation for that message for more information. The FastBackShell and FastBackMount must be installed on the backup proxy computer.

FMV7917E No FastBack snapshots found for input policy, client and volume combination.

Explanation: Failure processing fbClientName option.

System action: The backup cannot continue.

User response: Check for errors in the FBClientName option value. Refer to the documentation for the FBClientName option for more information.

FMV7918E **Failure locating mounted volumes for FastBack client '*vmname*' volumes. Failed with RC=*rc***

Explanation: FastBack client volumes can not be found. Volume mount points are not available on the backup proxy computer.

System action: The backup of the FastBack client can not continue. The next FastBack client in the list will be processed. The output of the FastBackMount command will show the reason for the failure.

User response: Issue a fastbackshell mount add command for the FastBack client volume to determine the reason for the failure. Refer to the documentation for that message for more information.

FMV7919E **Password for Host *host* could not be read from encrypted password file.**

Explanation: Use dsmc SET PASSWORD -type=FastBack 'FastBack hostname' 'userid' 'password' to save encrypted password

System action: The backup cannot continue.

User response: Use dsmc SET PASSWORD -type=FastBack 'FastBack hostname' 'userid' 'password' to save encrypted password

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FMV7920E **Invalid *objName* specification.**

Explanation: TSM invalid option value specified.

System action: TSM cannot continue processing.

User response: Enter correct user credentials using the set password command with option: -type=fastback. Then try the failed command again.

FMV7936E ***objType objName* not found in dump.**

Explanation: TSM server could not find the object that is specified in the FastBack Dump command..

System action: TSM skips the current object.

User response: Ensure that there is at least one snapshot for this FastBack volume, client, and policy. Ensure that a correct object is specified as input.

FMV7937E **No *objType* found in dump for input *objType1 objType2*.**

Explanation: TSM server found no clients for the specified policy. TSM server found no volumes for the specified FastBack client.

System action: TSM skips the current object.

User response: Ensure that there is at least one snapshot for this FastBack volume, client, and policy. Ensure that a correct object is specified as input.

FMV7938E **Unable to dismount FastBack volume '*volName*'. RC =** *rc*

Explanation: TSM Dismount failed.

System action:

User response:

FMV7939E **Invalid FastBack volume specification.**

Explanation: You must enter at least one FastBack client with the "-fbclientname=" option before entering a FastBack volume name.

System action:

User response: When entering a FastBack volume name, enter at least one FastBack client name using the "-fbclientname=" option.

FMV7940W **SUBDIR NO is not valid in this context. SUBDIR will be forced to YES for FastBack commands.**

Explanation: When using FastBack, SUBDIR is forced to YES to ensure that the whole volume is processed.

System action: SUBDIR is forced to YES.

User response: To avoid this message, do not use SUBDIR NO with the command.

FMV7941E **FastBack invalid repository name or domain not set in password file entry for *hostname*.**

Explanation: TSM The FastBack repository name is invalid or the domain has not been set in the password file when specifying the REP form of the repository.

System action: TSM

User response: Issue the command dsmc set password server userid:domain password -type=fastback.

FMV7942E **Maximum number of FastBack *objName* objects exceeded.**

Explanation: TSM The maximum number of FastBack objects shown in the message has been exceeded.

System action: TSM

User response: Re-run the command with no more than the maximum number of objects specified.

FMV7943E **The combination of *objName* and *objName* is invalid.**

Explanation: TSM The combination of options specified is invalid.

System action: TSM

User response: Re-run the command with a compatible set of options.

FMV7944W The number of FastBack clients specified *client* is greater than the number of FastBack clients found *client*.

Explanation: TSM One or more of the FastBack clients specified was not found. Look for message FMV7936E specifying the client name.

System action: TSM

User response: Correct the names of the clients specified.

FMV7945W The number of FastBack policies specified *policy* is greater than the number of FastBack policies found *policy*.

Explanation: TSM One or more of the FastBack policies specified was not found. Look for message FMV7936E specifying the policy name.

System action: TSM

User response: Correct the names of the policies specified.

FMV7946E FastBack shell command timeout.SSH Keys may not be configured for no password.

Explanation: TSM The FastBack shell command timeout. SSH may not be configured properly.

System action: TSM

User response: Correct SSH configuration.

FMV7947E The root user .ssh directory was not found. SSH is not configured properly.

Explanation: TSM SSH is not configured properly for the root user.

System action: TSM

User response: Correct SSH configuration.

FMV7948E The public key for the FastBack server was not found. SSH public keys are configured properly.

Explanation: TSM The SSH public keys are not configured properly for the root user.

System action: TSM

User response: Correct SSH configuration.

FMV7949E The connection to FastBack server failed.

Explanation: TSM The connection to FastBack server failed.

System action: TSM

User response: Insure that the FastBack server on the target machine is runing properly.

FMV7950E The FastBack server is not installed on the target machine.

Explanation: TSM The FastBack server is not installed on the target machine.

System action: TSM

User response: Install the FastBack server on the target machine or specify a different target machiner.

FMV7951E The FastBackShell on the target machine returned with the message *errormsg* .

Explanation: TSM An error occurred with the command issued to the FastBackShell on the target machine.

System action: TSM

User response: Correct the options specified on the commandr.

FMV7952E The package *package* required for FastBack support is not installed.

Explanation: TSM The required package is not installed.

System action: TSM

User response: Install and configure the required package.

FMV7953E The FastBack shell scripts returned an unexpected error *error*.

Explanation: TSM The FastBack shell scripts returned an unexpected error.

System action: TSM

User response: Correct the error.

FMV7954E The SSH connection failed. The SSH daemon may not be started or configured on the target machine

Explanation: TSM Ensure that the SSH daemon is configured correctly.

System action: TSM

User response: Correct the error.

FMV7955E The cygdrive-prefix is set incorrectly.

Explanation: TSM Ensure that cygdrive-prefix is set to / in the ssh cygwin environment. The command mount -s --change-cygdrive-prefix / can be use to set the drive prefix correctly.

System action: TSM

User response: Correct the error.

FMV7956E Unable to execute cygwin shell commands. The cygwin environment may be incorrectly

Explanation: TSM Use ssh to connect to the cygwin shell and ensure that the cygwin environment and cygdrive are configured correctly.

System action: TSM

User response: Correct the error.

FMV7957E Unable discover the FastBackShell location in the registry

Explanation: TSM Check that the FastBackShell was installed on the Windows FastBack server machine.

System action: TSM

User response: Correct the error.

FMV8000I Server command: '*command***'.**

Explanation: The specified command is being sent to the server. This message is displayed when the command is generated from a macro or when the client is running in batch mode.

System action: The command is sent to the server for processing.

User response: None.

FMV8001I Return code *return code value***.**

Explanation: The error code shown has been returned from the preceding server command. This message is preceded by a server message explaining the reason for the error code.

System action: None.

User response: None.

FMV8002I Highest return code was *return code value***.**

Explanation: At exit from the client, the highest return code encountered during the session is displayed.

System action: This value is used as the program exit code.

User response: None.

FMV8003I Process number *process ID* **started.**

Explanation: As a result of the preceding server command, the process whose ID is shown starts to execute the command. The process can be monitored using the QUERY PROCESS command.

System action: None.

User response: None.

FMV8004W Your password will expire within *daysRemaining* **day(s).**

Explanation: The password for this id is about to expire.

System action: Logging on to the TSM Server will not be prevented, however, the id will be locked out once it expires.

User response: Change the password or contact your TSM administrator to get the password updated.

FMV8005E Java Applet failed to load. Please ensure that the Java *Java version* **Plugin has been installed for this browser.**

Explanation: Java Plugin is missing from browser. Since plugin is not present, applet is not able to load.

System action: Applet unable to load and message displayed.

User response: Install appropriate plugin for browser in order to use web client.

FMV8006E Unable to generate an acceptable password.

Explanation: An error occurred during a password update attempt using a generated password.

System action: The password is not updated on the server.

User response: Contact your TSM administrator.

FMV8007E The user is not authorized to perform LDAP authentication.

Explanation: Your node uses LDAP authentication. Your PASSWORDACCESS option is set to GENERATE but the current user cannot access the stored password to perform authentication.

System action: The operation is stopped.

User response: Run TSM client as root user or set PASSWORDACCESS to PROMPT.

FMV8008W Redirection inside macro whose output is redirected is ignored.

Explanation: An output redirection symbol has been encountered inside a macro. However, the output of the macro itself (or a higher level macro) is already being redirected.

System action: The redirection request is ignored.

User response: None.

FMV8009E Exiting due to command or option errors.

Explanation: Because of errors in command line or option file parameters displayed earlier, the administrative client session is ending.

System action: The client exits.

User response: Fix the option file parameter in error and restart the client, or restart the client with proper command line parameters.

FMV8010E An attempt to backup or archive a file has exceed the maximum number of retries.

Explanation: After five unsuccessful attempts to backup or archive a file, the client will no longer attempt to send the file to the server.

System action: File skipped.

User response: Check the console or schedule log for additional information. Retry the operation at a later time.

FMV8011W Rejected server-initiated session with LDAP authentication from *peer name***.**

Explanation: For security, the client will not accept server-initiated sessions from servers that use LDAP authentication.

System action: The client-server session is not opened, and the schedule is not executed. The scheduler continues to wait for contact by a server that uses LOCAL authentication.

User response: If the client system is supposed to accept scheduled events from the prompting TSM server, either ask the TSM server administrator to configure your node to use LOCAL authentication, or do not use server-initiated sessions. If the client system is not supposed to accept scheduled events from the prompting server, ask the TSM server administrator to remove the client node name from the schedule on the prompting server.

FMV8012E Option processing storage exhausted.

Explanation: During processing of the client options file, the client runs out of memory.

System action: The client session is ended.

User response: Make more memory available and restart the administrative client.

FMV8013I Invalid encryption key password

Explanation: The key you entered does not match the key that was used to encrypt the file during backup. The file can not be restored unless the matching key is entered.

System action: User is prompted for encryption key password.

User response: Enter the correct encryption key password.

FMV8014E Insufficient information to connect to host.

Explanation: The client options file or command line, or both, do not contain enough communications information to successfully connect to the server system. For example, with TCP/IP both the TCPPort number and TCPServer address are required to make a connection.

System action: The administrative client session is ended.

User response: Determine what information is needed to establish a connection for your communications method and then specify all that information in your client options file or on the administrative client command line.

FMV8015E File '*file spec***', error code** *error code* **from options processing.**

Explanation: An unknown error code is returned from the routine that processes the client options file.

System action: The administrative client session is ended.

User response: Attempt to determine the error and correct it. If the problem persists, contact your service representative.

FMV8016E Command line parameter *parameter number***: '***parameter***' is too long.**

Explanation: The specified command line parameter exceeds the maximum length for a command line parameter.

System action: The administrative client session is ended.

User response: Reissue the command with a shorter parameter.

FMV8017E Command line parameter *parameter number*: '*parameter*' **is not valid.**

Explanation: The command line parameter shown is not a valid administrative client parameter.

System action: The administrative client session is ended.

User response: Reissue the command with valid parameters.

FMV8018E Administrative command not valid in Console mode.

Explanation: The Console Mode option has been specified but the client encounters what appears to be a server command on the command line.

System action: The administrative client session is ended.

User response: Reissue the command with no server command.

FMV8019E Id and password must be supplied in Batch mode.

Explanation: A server command has been encountered on the command line, but no administrator ID or password, or both, are specified.

System action: The administrative client session is ended.

User response: Reissue the command and include the -ID and -PASSWORD parameters on the command line.

FMV8020E Unable to open file '*file spec***' for output.**

Explanation: The file name specified in the -OUTFILE option cannot be opened.

System action: The -OUTFILE parameter is ignored.

User response: Allow processing to continue or exit the session and correct the file name.

FMV8021E Exiting Batch mode session due to output file error.

Explanation: The file specified in the -OUTFILE parameter cannot be opened for a session running in Batch mode.

System action: The administrative client session is ended.

User response: Reissue the command with a valid output file name or make space available for the output file.

FMV8022E Output will be written only to stdout.

Explanation: The file specified in the -OUTFILE parameter cannot be opened, so output is written only to the standard output stream.

System action: Output that would have been written to the output file is written to the standard output stream.

User response: Allow processing to continue or exit the session and correct the file name.

FMV8023E Unable to establish session with server.

Explanation: The administrative client cannot start a session with the requested server. This message is preceded by another message that explains the reason for the error.

System action: The administrative client session is ended.

User response: Attempt to correct the error. If the problem persists, contact your service representative.

FMV8024E End of macro after continued command line.

Explanation: A macro containing a continuation line has been executed, but no more lines are found in the macro file.

System action: The continued command is ignored, and an error return code is set for the macro.

User response: Correct the macro in error.

FMV8025E I/O Error reading command input.

Explanation: The client is unable to read an input command from the terminal.

System action: The administrative client session is ended.

User response: Correct the problem on the terminal and retry the administrative session.

FMV8026E Input line longer than maximum of *max length* **characters. Use continuation.**

Explanation: An input command line is longer than the maximum input line length allowed.

System action: The input command is ignored.

User response: Reissue the command with several lines using continuation characters.

FMV8027E Unterminated comment in command.

Explanation: An input command contains an opening comment mark but no closing comment mark.

System action: The input command is ignored.

User response: Reissue the command with matching comment marks.

FMV8028E Command longer than maximum of *max length* characters.

Explanation: An input command longer than the maximum command length allowed has been entered.

System action: The input command is ignored.

User response: Reissue the command with fewer characters. This could mean replacing series of repeating blanks with a single blank.

FMV8029E Macro processing terminated.

Explanation: An error occurs during processing of a macro because the -ITEMCOMMIT option is not specified on the command line. Processing of this macro and any higher level macro is terminated.

System action: All current macro processing ends.

User response: Specify the -ITEMCOMMIT option on the command line to ensure that the server commits each command in the macro individually.

FMV8030E Substituted command longer than maximum of *max length* characters.

Explanation: After variable substitution, an input command is longer than the maximum command length allowed.

System action: The input command is ignored.

User response: Reissue the command with fewer characters. This may require replacing a series of repeating blanks with a single blank.

FMV8031E Missing name of macro to execute.

Explanation: A macro command is encountered that does not contain a macro name.

System action: The command is ignored.

User response: Reissue the macro command with a macro file name.

FMV8032E Could not allocate storage to process macro '*file spec*'.

Explanation: The client cannot allocate enough memory to process the macro shown.

System action: The macro is ignored and an error is returned.

User response: Make more memory available to the client and retry the macro command.

FMV8033E LDAP authentiction is not supported by Web client.

Explanation: The id you entered uses LDAP authentication. LDAP authentication is not supported by Web client.

System action: Login is unsuccessful.

User response: Use an id with LOCAL authentication.

FMV8034E Your administrator ID is not recognized by this server.

Explanation: The administrator ID entered is not known to the requested server.

System action: The administrative session terminates.

User response: Ensure that you are using a registered administrative ID for the server to which you are connecting.

FMV8035E Interrupted by user.

Explanation: During an administrative session, a keyboard interrupt or break sequence is entered.

System action: The administrative session is terminated.

User response: Restart the administrative client session.

FMV8036E Administrative command not valid in Mount mode.

Explanation: The Mount Mode option has been specified but the client encounters what appears to be a server command on the command line.

System action: The administrative client session is ended.

User response: Reissue the command with no server command.

FMV8037E Missing name for redirection file.

Explanation: A command is entered that contains an output redirection symbol but no output file name.

System action: The command is ignored and an error is returned.

User response: Reissue the command with an output file name.

FMV8038E Unable to open file '*file spec*' for redirection.

Explanation: A command has been entered that specifies an output redirection file, but the file cannot be opened.

System action: The command is ignored and an error is returned.

User response: Reissue the command with a valid output file name or make space available for the output file.

FMV8041E The server connection has been lost and cannot be re-established.

Explanation: During an administrative session, the client discovers that the connection with the server has been severed; an attempt to reestablish the connection fails.

System action: The client session is ended.

User response: Determine the cause of the failure; then try to restart the session at a later time. If the problem persists, contact your service representative.

FMV8045E Communications error.

Explanation: An unexpected communications error occurs during an administrative session.

System action: The client session is ended.

User response: Verify that communications are active between the client and server machines. Server outages, processor outages, and communication controller outages can cause this error.

FMV8046E The client connection with the server has ended due to an unexpected error.

Explanation: The TSM error log might contain other messages related to this error.

System action: The client session ends.

User response: Check the communication link between the client and server to ensure that it is operational. Examine the client error log for additional messages related to this error.

FMV8047E The client connection with the server has ended due to a communications buffer overflow.

Explanation: The TSM error log might contain other messages related to this error.

System action: The client session ends.

User response: Try the operation again. Check the communication link between the client and server to ensure that it is operational. Examine the client error log for additional messages related to this error.

FMV8048W Warning! Performing image restore of the Linux file system '*src*' to an alternate destination '*dest*' is not recommended as this may result in duplicate UUIDs leading to failed mounts after a successful restore.

Explanation: Performing an image restore of a Linux file system to an alternate destination may result in duplicate UUID leading to failed mounts after a successful restore. On Linux, some file systems use UUID to identify themselves. If you took an image backup of such volume and restored it to a different location, you will have two volumes with the same UUID. If you use UUID to define your file systems in /etc/fstab, be aware that TSM may be unable to mount the restored file system correctly. To avoid such situation, restore the image to its original location.

System action: Processing continues.

User response: If it is not possible or not desirable to avoid performing an image restore to an alternate destination, change the UUID of either the original or restored volume. Refer to your Linux documentation for instructions on how to do this. You may also need to edit your /etc/fstab manually to allow the original, the restored or both volumes to mount.

FMV8049E A connection with the server cannot be established due to a communications time-out.

Explanation: The TSM error log might contain other messages related to this error.

System action: The client session ends.

User response: Check the communication link between the client and server to ensure that it is operational. Examine the client error log for additional messages related to this error.

FMV8050E The TSM server is not accepting administrative sessions on the client port. You must use the port number designated for administrative sessions.

Explanation: The TSM server is configured to not allow administrative sessions on the client TCP/IP port. A different port number has been designated for use by administrative sessions.

System action: The administrative session is not established.

User response: Use the TCPADMINPORT client option to specify the TCP/IP port number that the TSM server uses for administrative sessions. See your TSM server administrator if you do not know the correct port number.

FMV8051E User is not authorized to get prompted for encryption key

Explanation: The current passwordaccess option setting and user authority do not allow encryption.

System action: You are not prompted to set the encryption key password.

User response: Request the TSM authorized user to set passwordaccess=GENERATE in dsm.sys and set the encryption key password. (The encryption key password is set the first time that the TSM authorized user backs up a file).

FMV8052E Unable to decrypt file '*filespace namepath-namefile-name*' ....Please try to restore this file individually

Explanation: File could not be decrypted and restored.

System action: File is not restored.

User response: Restore the file separately.

FMV8053E The network cannot be accessed.

Explanation: The TSM error log might contain other messages related to this error.

System action: The client session ends.

User response: Check the communication link between the client and server to ensure it is operational. Examine the client error log for additional messages related to this error. Try the operation again.

FMV8054E No memory available to service request.

Explanation: Sufficient server memory is not available.

System action: The client session is ended.

User response: Retry the administrative session. If the problem persists, contact your service representative.

FMV8055E The server has insufficient resources to perform the operation.

Explanation: The server ran out of resources. A lack of storage or other problem condition does not allow any new activity. The server activity log might contain additional information about this problem.

System action: The client session ends.

User response: The TSM administrator should examine the TSM server activity log to determine the source of the resource constraints. Try the operation again when the server is under less load.

FMV8056E Your administrator ID is locked.

Explanation: The administrative ID entered has been locked by a system administrator and cannot be used.

System action: The client session is ended.

User response: Contact your system administrator to unlock your ID.

FMV8057E The requested language files are not available.

Explanation: The NLS repository for the language specified is not available.

System action: The client session is ended.

User response: Use a different language or obtain a copy of the NLS repository for the language desired.

FMV8058E The specified path is a Linux Btrfs subvolume and is not valid for image backup.

Explanation: Linux Btrfs subvolumes are not supported for image backup.

System action: The image backup operation is not performed.

User response: Try the operation again using a valid Linux Btrfs file system.

FMV8059E The TCP/IP functions have not been linked into this module.

Explanation: The ADSM TSO administrative client cannot find the TCP/IP functions required to support TCP/IP communications.

System action: The connection to the server fails.

User response: The TCP/IP functions must be included in the DSMADMC/ANSADM module. Refer to the Program Directory for this product for instructions on how to include the TCP/IP functions in the DSMADMC/ANSADM module.

FMV8061E Session Rejected: The server does not allow a signon as a Unicode enabled administrative client

Explanation: The administrative client is unable to establish a connection to the server because of a unicode enabling mismatch between server and client.

System action: The client session is ended.

User response: Register a new administrator from a different administrative client or the server console, and signon with the new administrator ID.

FMV8062E **Client-to-Client communication is not allowed to take place when TSM Server authentication is turned off.**

Explanation: Client-to-Client communication requires TSM Authentication to be enabled.

System action: Processing stops.

User response: Turn TSM Server authentication on using the Set AUthentication ON command.

FMV8063E **The remote TSM Client Acceptor associated with Node '***name***' could not authenticate with the TSM Server.**

Explanation: Some TSM Client operations require the Backup/Archive Client to contact Clients on remote machines. The remote machine in question cannot authenticate with the TSM Server.

System action: Processing stops.

User response: On the remote machine, create a new TSM password for the Client Acceptor or verify that the current password is still valid before retrying the operation.

FMV8064E **Communication timeout. Reissue the command.**

Explanation: The connection to the server is ended because of a communication timeout from the server.

System action: The server does not process the command.

User response: Reissue the command. If necessary, increase the values of IDLETIMEOUT and COMMTIMEOUT options in the server options file.

FMV8103W **A command was not successful. command :** *command* **TSM function name :** *function-name* **error output :** *error-output* **return code :** *return code* **TSM file :** *file-name* **(***line-number***)**

Explanation: TSM client called an external program that failed.

System action: Depending on the circumstances, the failure may or may not prevent further processing.

User response: See addition information in the error log. Use the information provided in this message for troubleshooting or when talking with TSM support.

FMV8104W **Cannot determine EFS status of the file system '***file-system name***', errno='***errnor number***', processing data normally.**

Explanation: IBM Tivoli Storage Manager cannot determine EFS status on the specified filesystem. No EFS specific processing will take place for files on this filesystem. If EFS is indeed enabled on the filesystem, all accessaible files will be backedup in cleartext.

System action: The filesystem will be processed as a regular filesystem.

User response: Contact your system administrator to determine the cause of the error reported in the message.

FMV8105W **Unable to remove snapshot for volume '***filespace-name***'.**

Explanation: TSM client was unable to remove the snapshot used for image backup.

System action: Processing continues.

User response: See additional information in the error log. Use lvdisplay command to view the active snapshots and lvremove command to remove the snapshot manually.

FMV8106E **Support for multiple IBM Tivoli Storage Manager servers is enabled on this node. The server name must be specified for this command.**

Explanation: When a node is enabled to support multiple IBM Tivoli Storage Manager servers, the command must specify a valid IBM Tivoli Storage Manager server name.

System action: Processing stopped.

User response: Specify a valid server name for this command.

FMV8500I *User action* **cannot be completed due to the following error:**

Explanation: An error has occurred while processing your requested action, *user action*. The message displaying with this message identifies the error.

System action: The system does not process your requested action.

User response: See Explanation for the message displaying with FMV8000I.

FMV8501E **Internal error in this graphical user interface. Try one of the following in the order listed: 1) close this window and reopen it 2) close this object and reopen it 3) shut down this graphical user interface and restart it 4) save dsmerror.log residing in the directory specified by DSMG_LOG and contact your service representative for assistance.|Graphical User Interface - Internal error**

Explanation: An internal processing error has

occurred in the TSM Administrator's graphical user interface while processing your requested action. Message FMV8000I, which displays with this message, identifies your requested action.

System action: The system does not process your requested action.

User response:

- Close the window in which your failed request was made and reopen it.
- If this problem persists, close all windows associated with the object toward which your failed request was directed and reopen them.
- If this problem persists, shut down the TSM Administrator's graphical user interface and restart it.
- If this problem persists, save the dsmerror.log file residing in the directory specified by the environment variable DSMG_LOG or in the current directory if DSMG_LOG is not specified, and contact your service representative for assistance.

FMV8502S **Due to this error, processing cannot continue. This graphical user interface will shut down.**

Explanation: A severe error has occurred. The message displaying with this message identifies the actual error.

System action: The TSM Administrator's graphical user interface closes.

User response:

- Restart the TSM Administrator's graphical user interface.
- If this problem persists, save the dsmerror.log file residing in the directory specified by the environment variable DSMG_LOG or in the current directory if DSMG_LOG is not specified, and contact your service representative for assistance.

FMV8503I **No matching option found for pattern: '***pattern***'.**

Explanation: You specified a pattern which does not match the name of any supported option.

System action: This message is the only response to your query.

User response: Specify a different pattern or omit the pattern to display all options.

FMV8504E **A message related to this window or your requested action cannot be displayed due to an internal error in this graphical user interface. Refresh this window or request the action again.**

Explanation: An internal processing error has occurred in the TSM Administrator's graphical user interface while attempting to display an informational, warning, or error message related to the current window or your requested action.

System action: The system may or may not process your requested action.

User response: View the Activity Log window in the Server object to find out if your requested action has completed. If it has completed successfully, refresh the current window to show its results. If it has not completed successfully, make your request again.

FMV8505I *program***: node** *hostname* **with id** *node-id* **was added to the Responsiveness Service.**

Explanation: The remote node is running and has failover enabled. The node is now marked as offline until it has successfully joined the Service.

System action: The watch daemon will now check the node.

User response: None.

FMV8506I *program***: node** *hostname* **with id** *node-id* **was removed from the Responsiveness Service.**

Explanation: The remote node has shut down and was removed from the Responsiveness Service after some time.

System action: The watch daemon will not look for this node until it is up again.

User response: None.

FMV8507I *program***: node** *hostname* **with id** *node-id* **is now online.**

Explanation: The remote node has successfully joined our Responsiveness Service and it's availability is now checked.

System action: The watch daemon will now check the availability of the node.

User response: None.

FMV8508I *program***: node** *hostname* **with id** *node-id* **is now offline.**

Explanation: The node has successfully left the Responsiveness Service because it was shut down normally.

System action: The watch daemon will not check the node again.

User response: None.

FMV8509I *program*: **node** *hostname* **with id** *node-id* **is now recovered.**

Explanation: The node has recovered from a previous failure situation and a rollback can now be initiated.

System action: The watch daemon will now check the node for availability.

User response: None.

FMV8510W *program*: **node** *hostname* **with id** *node-id* **has failed, checking if failover is required.**

Explanation: The node is not responding to the Responsiveness Service anymore, a failover will be initiated if the remote and current node have failover enabled and if the remote watch daemon's filesystem timestamp is too old.

System action: The watch daemon will check if a failover for any of the node's filesystems is required.

User response: None.

FMV8511W *program*: **failover for node** *hostname* **with id** *node-id* **aborted, failover thread could not be started.**

Explanation: The internal service thread to perform the failover operation could not be started.

System action: The failover on this machine is aborted. Another machine with failover enabled will perform the failover.

User response: Please check if the machine has too much load to start new threads.

FMV8512W *program*: **signal** *signal* **received, HSM activities stopped on this node.**

Explanation: The node is failing voluntarily because of a local problem.

System action: Other nodes are informed to take over the filesystems of the failing node.

User response: Examine the log files for possible reasons and do a file system rollback after the computer is back online.

FMV8513I *program*: **this node is leaving the Responsiveness Service voluntarily.**

Explanation: The node is shut down regularly and will leave the Responsiveness Service without initiating a failure notice to other nodes.

System action: The watch daemon will not check for the node.

User response: None.

FMV8514E *program*: **the Responsiveness Service on this node could not be initialized. Failover will not be possible.**

Explanation: It was not possible to initialize and start the internal thread for the Responsiveness Service.

System action: The watch daemon is exiting and will be restarted to retry the operation.

User response: Verify that virtual memory (swap space) has sufficient space. Verify that the system process thread limit is reasonable and has not been met or exceeded. If the thread limit is reasonable, but has been exceeded, or the problem otherwise persists, reboot the GPFS cluster

FMV8515E *program*: **it was not possible to join the Responsiveness Service. Failover will not work for this node.**

Explanation: The watch daemon could not join the Responsiveness Service and will not be able to do failover.

System action: The watch daemon is exiting and will be restarted to retry the operation.

User response: None.

FMV8516E **The values entered for the New Password and Reenter New Password fields do not match. Type the same value into both fields.**

Explanation: You have entered different values into the New Password and Reenter New Password fields.

System action: The system does not process your requested action.

User response: Enter the same value into the New Password and Reenter New Password fields.

FMV8517W *program*: **not trying to take over filesystems for node** *hostname* **with id** *node-id* **since it has failover disabled.**

Explanation: The node was detected as failing but no failover will be initialized since the node is not configured for failover.

System action: No filesystem of the failing node will be taken over.

User response: Manually take over the filesystem if required.

FMV8518W *program*: **Could not resolve cluster node id by hostname** *hostname*.

Explanation: The hostname provided by the Responsiveness Service could not be resolved to a cluster node id.

System action: The current operation aborts.

User response: Make sure the cluster is functional and the machine hostnames are propperly set and resolvable.

FMV8563E **Recall mode has an invalid value:** *invalidValue***.**

Explanation: The recall mode you try to enable on the system is not existing.

System action: None.

User response: Check the value of the recall option.

FMV8565W *ProgramName***: list of recall IDs not found in queue. These recalls are already finished:**

Explanation: The program is not able to find the recall IDs and is not able to delete these processes.

System action: None.

User response: Check that recall IDs exist and are correct.

FMV8566E **You have not entered or selected a value for this required field. Enter or select a value for this field.**

Explanation: You have not entered or selected a value for a required field.

System action: The system does not process your requested action.

User response: Enter or select a valid value for this required field.

FMV8776E **The IBM Tivoli Enterprise Space Management Console cannot be started. Java Runtime Environment version** *version* **by** *company* **has been detected on** *machine***. A Java Runtime Environment** *version* **or higher is required to run this program. If you have already installed Java** *version* **on this machine, please ensure that the correct Java executable is on your PATH, otherwise you can download it from '***webAddress***' and start the program again.**

Explanation: IBM Tivoli Enterprise Space Management Console cannot be started because the Java runtime environment does not meet the requirements.

System action: A confirmation dialog is displayed for you to close the application, or to open a browser with a link to the Web site where you can download the correct version of Java.

User response: Verify that the correct java executable is on your PATH or install the required version of Java runtime environment and start the program again.

FMV8777E **The IBM Tivoli Enterprise Space Management Console cannot be started. An error occurred trying to load Tivoli look and feel. Verify that the product is correctly installed.**

Explanation: IBM Tivoli Enterprise Space Management Console cannot be started because the library that defines the Tivoli look and feel cannot be found.

System action: The IBM Tivoli Enterprise Space Management Console shuts down.

User response: Verify that the product is correctly installed. If IBM Tivoli Enterprise Space Management Console still cannot be started, contact your system administrator for further assistance.

FMV8778E **A browser program cannot be found or cannot be started. An error occurred executing the command.***command* **Verify that a browser is installed and works correctly on your local machine.**

Explanation: A browser program cannot be found, so it is not possible to access the IBM Tivoli Web site and online documentation.

System action: TSM continues to process user requests.

User response: For the Windows platform, the default system browser is used. Verify that a browser is installed on your machine.

FMV8779E **A browser program cannot be found or cannot be started. One of the following browsers is required:** *browser-list* **Verify that one of these browsers is installed and works correctly on your local machine.**

Explanation: A browser program cannot be found, so it is not possible to access the IBM Tivoli Web site and online documentation.

System action: TSM continues to process user requests.

User response: For UNIX platforms, a list of supported browsers is provided in the README. Install the required browser to access the IBM Tivoli Web sites and online documentation.

FMV8780E **A browser program cannot be found or cannot be started. Check the '***file-name***' file on your local machine for more information.**

Explanation: A browser program cannot be found, so

it is not possible to access the Web site or online documentation.

System action: TSM continues to process user requests.

User response: Install a browser to access the Web site or online documentation.

FMV8781E **The system could not log on to TSM client node** *node-name* **on** *machine-name***. Make sure your data and password are correct and that caps lock key is not on. The Space Management Agent must be running at the specified port on the machine to which you are attempting to log on to.**

Explanation: The system was not able to connect to the specified client node.

System action: TSM continues to process user requests.

User response: Verify that:

- the information provided to connect is correct
- the machine is reachable in the network
- HSM is installed on the specified machine and a Space Management Agent is running at the specified port.

FMV8782E **An error occurred while loading file system information on '***fs-name***'. Verify that the Space Management agent is running on the client node machine. Check also the** *local-log-file* **file in the installation directory of your local machine and the $DSM_DIR/***error-file* **file on** *machine* **if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred while loading file system information on the selected client node

System action: Disconnects the client node.

User response: Verify that the Space Management agent is running on the client node machine. Check also the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8783E **An error occurred loading file system properties of** *fsName* **required to show space usage graphical information. Verify that the Space Management agent is running on the client node machine. Check also the** *local-log-file* **file in the installation directory of your local machine and the $DSM_DIR/***error-file* **file on** *machine* **if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred while loading file system properties on the selected client node.

System action: Continue to process other file system properties.

User response: Verify that the Space Management agent is running on the client node machine. Check also the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine. If this does not identify the cause of the problem, then see your system administrator for further assistance.

FMV8784E **An error occurred initializing the client nodes table. Your local configuration file '***config-file***' might be corrupted. Remove it from your installation directory and start the program again. Check also the** *log-file* **file on your local machine for more information.**

Explanation: The client nodes table cannot be initialized.

System action: The IBM Tivoli Enterprise Space Management Console shuts down.

User response: It is possible that your local settings file 'dsmsm.cfg' is corrupted. Try to remove it from your installation directory and start the program again. Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8785E **An error occurred disconnecting the system from the client node '*node-name*'. The Client node is being disconnected without deleting internal HsmSystem objects. Verify that the Space Management agent is running on the client node machine. Check also the *local-log-file* file in the installation directory of your local machine and the $DSM_DIR/*error-file* file on *machine* if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred disconnecting the system from the client node. It was not possible to delete internal HsmSystem objects.

System action: The client node disconnected without deleting HsmSystem objects.

User response: Verify that the Space Management agent is running on the client node machine. Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8786E **An error occurred loading file system information from the selected client node. Verify that the Space Management agent is running on the client node machine. Check also the *local-log-file* file in the installation directory of your local machine and the $DSM_DIR/*error-file* file in the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred loading file system information from the selected client node.

System action: File System information is not loaded

User response: Verify that the Space Management agent is running on the client node machine. Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8787E **An error occurred loading file system information from *nodename* client node. The client node is being disconnected. Verify that the Space Management agent is running on the client node machine. Check also the *local-log-file* file in the installation directory of your local machine and the $DSM_DIR/*error-file* file on *machine* if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred loading file system information from the selected client node.

System action: The client node is disconnected

User response: Verify that the Space Management agent is running on the client node machine. Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8788E **An error occurred starting manually threshold migration on *file-system*. Verify that the Space Management agent is running on the client node machine. Check also the *local-log-file* file in the installation directory of your local machine and the $DSM_DIR/*error-file* file on *machine* if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred starting the manually threshold migration on the selected client node.

System action: Threshold migration is not started manually.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8789E **An error occurred trying to deactivate all managed file systems of** *client-node*. **Check also the** *local-log-file* **file in the installation directory of your local machine and the $DSM_DIR/***error-file* **file on** *machine* **if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred trying to deactivate all managed file systems of the selected client node.

System action: File systems are not deactivated.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8790E **An error occurred trying to reactivate all managed file systems of** *client-node*. **Check also the** *local-log-file* **file in the installation directory of your local machine and the $DSM_DIR/***error-file* **file on** *machine* **if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred trying to reactivate all managed file systems of the selected client node.

System action: File systems are not reactivated.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8791E **An error occurred trying to add space management to** *fs-name* **file system. Verify that the Space Management agent is running on the client node machine. Check also the** *local-log-file* **file in the installation directory of your local machine and the $DSM_DIR/***error-file* **file on** *machine* **if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred trying to add space management to the selected file system.

System action: Space management is not added to the selected file system.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8792E **An error occurred trying to remove space management from** *file-system* **file system. Verify that the Space Management agent is running on the client node machine. Check also the** *local-log-file* **file in the installation directory of your local machine and the $DSM_DIR/***error-file* **file on** *machine* **if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred trying to remove space management from the selected file system.

System action: Space management is not removed from the selected file system.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8793E **An error occurred trying to deactivate** *file-system* **file system. Verify that the Space Management agent is running on the client node machine. Check also the** *local-log-file* **file in the installation directory of your local machine and the $DSM_DIR/***error-file* **file on** *machine* **if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred trying to deactivate the selected file system.

System action: The selected file system is not deactivated.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8794E **An error occurred trying to reactivate *file-system* file system. Verify that the Space Management agent is running on the client node machine. Check also the *local-log-file* file in the installation directory of your local machine and the $DSM_DIR/*error-file* file on *machine* if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.**

Explanation: An error occurred trying to reactivate the selected file system.

System action: The selected file system is not reactivated.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8795E **An error occurred trying to save your settings to *config-file* configuration file on your local machine. Check the *log-file* file in the installation directory of your local machine for more information.**

Explanation: An error occurred trying to save your settings to dsmsm.cfg configuration file on your local machine.

System action: Customized GUI settings are not saved to the local machine

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV8809E **The LD_LIBRARY_PATH is either not set or is set incorrectly. Ensure that the LD_LIBRARY_PATH environment variable contains the installation directory *path name*.**

Explanation: The LD_LIBRARY_PATH must be set and it must contain the installation directory path.

System action: The VMware backup or restore operation fails.

User response: Set the LD_LIBRARY_PATH and ensure that it contains the Backup/Archive client installation directory.

FMV8810E **The LD_LIBRARY_PATH is either not set or is set incorrectly. Ensure that the LD_LIBRARY_PATH environment variable contains the installation directory.**

Explanation: The LD_LIBRARY_PATH must be set and it must contain the installation directory path.

System action: The VMware backup or restore operation fails.

User response: Set the LD_LIBRARY_PATH and ensure that it contains the Backup/Archive client installation directory.

FMV8811E **VMware operations can not be run when the hardware plugin product TIVsm-BAhdw is installed and loaded. Please either uninstall the hardware product TIVsm-BAhdw, or set the option DONTLOAD PIHDW in the options file to prevent the hardware plugin from being loaded.**

Explanation: VMware operations are incompatible with the hardware plugin product libraries.

System action: The VMware backup or restore operation fails.

User response: Uninstall the hardware product product TIVsm-BAhdw, or set the option DONTLOAD PIHDW to prevent the hardware plugin from being loaded.

FMV8818E **An error occurred trying to apply your changes. Your changes have not been applied to the system. Contact your system administrator.**

Explanation: An error occurred trying to apply your changes.

System action: User changes are not applied.

User response: Contact your system administrator.

FMV8819E **The following trace flag(s) are not valid: *trace-flag-list*. Correct them before continuing.**

Explanation: One or more of the trace flags are not valid.

System action: Prompts the user to correct the trace flags.

User response: Correct the wrong trace flags.

FMV8820E **The HSM System Object was not found on the Space Management agent. The error occurred when calling function:** *function-name***. The last operation was not processed correctly.**

Explanation: The Space Management agent was unable to process a HSM System function, because the HSM System object was not found.

System action: The last operation is skipped.

User response: Reconnect to the Space Management agent. If this does not solve the problem restart the Space Management agent.

FMV8821E **Unable to create requested HSM object on Space Management agent. The last operation was not processed correctly. The problem is caused from a memory problem. Try to free memory on the system where the Space Management agent is running. Or restart the Space Management agent.**

Explanation: Space Management agent was not able to create a requested HSM object because not enough free space was found on the system.

System action: Last operation is skipped.

User response: Try to free more memory on the system where the Space Management agent is running, or restart the Space Management agent.

FMV8822E **HSM File System Object was not found on Space Management agent. The error occurred when calling function:** *function-name* **The last operation was not processed correctly.**

Explanation: Space Management agent was not able to process a HSM File System function, because no HSM File System object was found.

System action: Last operation is skipped.

User response: Reconnect to the Space Management agent. If this does not solve the problem restart the Space Management agent.

FMV8823E **A Protocol error occurred in communication with the Space Management agent This error occurs when a session with the Space Management agent was lost, or network error caused synchronization problem between the Space Management console and the agent.**

Explanation: Space Management console and Space Management agent has different session and transaction key in the communication header.

System action: Last operation is skipped.

User response: Restart Space Management console and Space Management agent.

FMV8824E **A internal error occurred in the Space Management agent. The error occurred in function :** *function-name*

Explanation: Not defined exception caused a internal error in the Space Management agent.

System action: Last operation is skipped.

User response: Restart Space Management agent. If this does not solve the problem contact TSM technical support.

FMV8825E **The Space Management API was unable to locate option object The error occurred in function :** *function-name*

Explanation: Not defined exception caused this internal error in the Space Management API.

System action: Last operation is skipped.

User response: Contact TSM technical support.

FMV8826E **The Space Management API was unable to query a HSM device. This error occurs because the HSM kernel extension was not loaded correctly**

Explanation: Because of a wrong configuration HSM was not able the load the kernel extension. This causes to fail the query for global activation of the HSM system.

System action: Query for global HSM activation is skipped.

User response: Check the configuration of the HSM system. If you can not find any problem in the configuration contact TSM technical support.

FMV8827E **The Space Management API was unable to locate global control block. The error occurred in function :** *function-name*

Explanation: Not defined exception caused this internal error in the Space Management API.

System action: Load connection settings function is skipped.

User response: Contact TSM technical support.

FMV8828E **The Space Management API lost the session with the server. This problem is caused by a connection failure with the server. Check to see if your Space Management Client machine has a network connection to the TSM server.**

Explanation: This error occurs when the Space Management API has connection problems with the TSM server.

System action: Session with server gets lost and server operation is skipped.

User response: Check the network connection with TSM server machine. See the error log file for additional information why the session gets lost. Restart the Space Management Agent if the connection re-established automatically.

FMV8829E The Space Management API was unable to initialize the HSM system. The error is caused from a problem to initialize a DMAPI session.

Explanation: This error is caused from a problem to initialize a DMAPI session.

System action: The HSM system cannot be initialized and the Space Management Console is ended.

User response: Try to restart Space Management Agent. If this does not solve the problem, see the error log for additional information and contact TSM technical support.

FMV8830W Different server name stanzas (*HSM-stanza* and *BA-stanza*) for *file-system-name* file system for space management and backup-archive.

Explanation: The server name stanzas you specified for the space management (HSM) client and the backup-archive (BA) client are different. The inline backup and stub restore features will be unavailable for the file system.

System action: Processing continues.

User response: If you want to allow inline backup and stub restore for the file system, the MIGRATESERVER and DEFAULTSERVER options must specify the same SERVERNAME stanza in dsm.sys. You may also choose to supply a server stanza name using the SERVERNAME option in dsm.opt or on the command line. In either case the stanza name must match the stanza specified in the MIGRATESERVER option.

FMV8831E The Space Management API could not find file system : *function-name* An incorrect file system name was passed to the Space Management API. Ensure that the file system that was selected in the file system list is still valid. Refresh the file system view in the Space Management Console by pressing F5 on your keyboard or select 'Refresh` under the View menu.

Explanation: The Space Management API could not find the file system that was specified in the Space Management Console. A reason could be that the file system was unmounted and is not longer existing on the system.

System action: Getting file system information for the specified file system name is skipped.

User response: Update the file system list in the Space Management Console by pressing F5 on your keyboard or selecting 'Refresh' in the View menu.

FMV8832E The Space Management API could not retrieve TSM policy settings from the server.

Explanation: The Space Management API tried to get TSM policy settings from the server and failed for a unknown reason.

System action: Getting TSM policy settings fails and policy information fields are not filled up in the Space Management Console.

User response: See the error log file for additional information.

FMV8833E The Space Management API could not retrieve TSM policy settings from the already loaded list.

Explanation: The Space Management API tried to get TSM policy settings from the management list and failed for a unknown reason.

System action: Getting TSM policy settings fails and policy information fields are not filled up in the Space Management Console.

User response: See the error log file for additional information.

FMV8834E The Space Management API was unable to get file system information for file system : *filesystem-name*.

Explanation: The Space Management API could not retrieve the file system information for a selected file system.

System action: Getting file system information fails and information are not displayed in the Space Management Console.

User response: See the error log file for additional information.

FMV8835E The Space Management API was unable to get file system status for file system : *filesystem-name*. System call to get file system status returned with error.

Explanation: The Space Management API could not retrieve the file system status for a selected file system.

The error is caused from a failed system call on the file system.

System action: Getting file system status fails and information are not displayed in the Space Management Console.

User response: See the error log file for additional information.

FMV8836E **An object creation error occurred in the Space Management API The error occurred in function :** *function-name***. The problem is caused from a memory problem. Try to free memory on the system where the Space Management agent is running. Or restart the Space Management agent.**

Explanation: Caused from a out of memory problem the Space Management API could not create a requested object.

System action: The requested function fails and cannot retrieve information to the Space Management Console.

User response: Free more memory on the system where the Space Management agent is running, or restart the Space Management agent.

FMV8837E **The Space Management API was unable to get configuration data from managed file system :** *filesystem-name***. The problem is caused from a error when reading dsmmigfs table entry.**

Explanation: The Space Management API reads information from dsmmigfs table to get HSM managed files system configuration. This error occurs when the API is unable to read an entry from this table.

System action: Getting HSM managed file system configuration fails and information is not displayed in the Space Management Console.

User response: See the error log for additional information on errors occurring when reading entries from the dsmmigfs table.

FMV8838E **The Space Management API can not set HSM managed file system configuration for file system :** *filesystem-name***. The configuration cannot be set because this file system is NOT HSM managed. Check to see if the managed file system that was selected in the file system list is still HSM managed. Refresh the file system view in the Space Management Console by pressing F5 on your keyboard or select 'Refresh` under the View menu.**

Explanation: The file system that you selected from the file system list in the Space Management console is not longer HSM managed and no configuration can bet set for it. A reason could be that the file system was unmanaged from a other user.

System action: Setting HSM managed file system configuration fails.

User response: Update the file system list in the Space Management Console by pressing F5 on your keyboard or selecting 'Refresh' in the View menu.

FMV8839E **A wrong stub file size was passed to the Space Management API for file system :** *filesystem-name***. The stub file size that was entered in the file system properties dialog is not supported by this file system. Correct the stub file size value in the file system properties dialog of the Space Management Console.**

Explanation: The Stub file size that you has specified is not supported by this file system.

System action: Wrong stub file size is not applied to the file system.

User response: Correct the stub file size in the file system properties dialog of the Space Management Console.

FMV8840E **The maximum number of candidates that was specified for file system :** *filesystem-name* **is out of range. The maximum number of candidates value that was entered in the file system properties dialog is out of range. Correct the maximum number of candidates value in the file system properties dialog of the Space Management Console.**

Explanation: The maximum number of candidates value that was specified is out of range for this file system.

System action: Wrong maximum number of candidates value is not applied to the file system.

User response: Correct the maximum number of candidates value in the file system properties dialog of the Space Management Console.

FMV8841E **The server name that was specified for the file system :** *optfile-name* **is not valid. Correct the server name value in the client node properties dialog of the Space Management Console.**

Explanation: The server name that was specified is not valid.

System action: Wrong server name value is not applied to the system options file.

User response: Correct the server name value in the client node properties dialog of the Space Management Console.

FMV8842E **The Space Management API was not able to modify system options file :** *optfile-name* **because of insufficient privilege. Use root user to change HSM managed file system configuration.**

Explanation: User has no rights to modify system options file.

System action: Changes are not applied to the system options file.

User response: Run as root user to change HSM managed file system configuration.

FMV8843E **No correct include/exclude settings are found in system options file :** *optfile-name***. Correct the include/exclude list in the system options file.**

Explanation: The include/exclude settings in the system options file are not correct.

System action: Changes are not applied to the system options file.

User response: Correct the include/exclude list in the system options file.

FMV8844E **A incorrect preferred node or server name was specified in the HSM configuration for** *filesystem-name***. Correct the preferred node and server name value in the HSM configuration.**

Explanation: The Space Management API could not change preferred node settings because a wrong value was specified

System action: Changes are not applied to the system options file.

User response: Correct the preferred node and server settings in Space Management Configuration.

FMV8845E **A incorrect owner node or server name was specified in the HSM configuration for** *filesystem-name***. Correct the owner node and server name value in the HSM configuration.**

Explanation: The Space Management API could not change owner node settings because a wrong value was specified

System action: Changes are not applied to the system options file.

User response: Correct the owner node and server settings in Space Management Configuration.

FMV8846E **The Space Management API was not able to update the HSM managed file system :** *filesystem-name***.**

Explanation: The Space Management API could not apply configuration changes to the HSM managed file system.

System action: Changes are not applied to HSM managed file system.

User response: See error log file for additional information why the update of the file system fails.

FMV8847E **The Space Management API was not able to obtain a lock on SDR file for file system :** *filesystem-name***.**

Explanation: The Space Management API could not lock the SDR file for the file system.

System action: Changes are not applied to HSM managed file system.

User response: See the error log file for additional information on why the lock on the SDR file fails.

FMV8848E **The Space Management API could not open file system status file to retrieve managed file system statistics for :** *filesystem-name***. Reason could be insufficient permissions or that the file does not exist. The managed file system statistics are not retrieved from the HSM system.**

Explanation: The Space Management API could not retrieve managed file system information from file system status file. The error occurred when the API tries to open the file for reading.

System action: Managed file system statistics are not retrieved and information is not displayed in the Space Management Console.

User response: See the error log file for additional information on why opening the file system status file fails.

FMV8849E **The Space Management API was not able to load HSM managed file system statistics for :** *filesystem-name***. Check to see if the managed file system that was selected in the file system list is still HSM managed. Refresh the file system view in the Space Management Console by pressing F5 on your keyboard or select 'Refresh` under the View menu.**

Explanation: The Space Management API could not load managed file system statistics from selected file system. The reason could be that the file system is not longer HSM managed.

System action: Managed file system statistics are not retrieved and information is not displayed in the Space Management Console.

User response: Update the file system list in the Space Management Console by pressing F5 on your keyboard or selecting 'Refresh' in the View menu.

FMV8850E **The Space Management API was not able to add HSM to file system :** *filesystem-name***. This error occurs because selected file system is not mounted. You must mount the file system before you can add HSM.**

Explanation: The Space Management API could not add HSM to a file system, because it is not mounted.

System action: The add HSM operation fails and HSM is not added to the selected file system.

User response: Mount the selected file system before adding HSM.

FMV8851E **The Space Management API was not able to add HSM to file system :** *filesystem-name***. This error occurs because selected file system is not supported to add HSM.**

Explanation: The Space Management API could not add HSM to a unsupported file system.

System action: The add HSM operation fails and HSM is not added to the selected file system.

User response: Select a supported file system to add HSM.

FMV8852E **The Space Management API was not able to add HSM to file system :** *filesystem-name***. This error occurs because selected file system is already HSM managed.**

Explanation: The Space Management API attempt to manage a already HSM managed file system.

System action: The add HSM operation fails and the selected file system stays HSM managed.

User response: Select a not managed file system to add HSM.

FMV8853E **The Space Management API was not able to add HSM to file system :** *filesystem-name***.**

Explanation: The Space Management API attempt to manage file system and fails for a unknown reason.

System action: The add HSM operation fails and HSM is not added to the selected file system.

User response: Retry the add HSM operation. If this does not solve the problem, see the error log file for additional information and contact TSM technical support.

FMV8854E **The Space Management API was not able to remove HSM from file system :** *filesystem-name***. The error occurs when the Space Management API tries to lock the SDR file and fails.**

Explanation: The Space Management API attempt to unmanage (remove) file system and fails for a unknown reason.

System action: The remove HSM operation fails and HSM is not removed from the selected file system.

User response: Try the remove HSM operation again. If this does not solve the problem, see the error log file for additional information and contact TSM technical support.

FMV8855E **The Space Management API was not able to start automatic migration on the file system :** *filesystem-name***.**

Explanation: The Space Management API tries to start automatic migration on a file system and fails for a unknown reason.

System action: The automatic migration is not started for the file system.

User response: See the error log file for additional information and contact TSM technical support.

FMV8856E **The Space Management API was not able to start reconciliation process on the file system :** *filesystem-name***.**

Explanation: The Space Management API tries to start reconciliation process on a file system and fails for a unknown reason.

System action: The reconciliation process is not started for the file system.

User response: See the error log file for additional information, and contact TSM technical support.

FMV8857E **The Space Management API was not able to start scout process on the file system :** *filesystem-name***.**

Explanation: The Space Management API tries to start scout process on a file system and fails for a unknown reason.

System action: The scout process is not started for the file system.

User response: See the error log file for additional information, and contact TSM technical support.

FMV8858E **The Space Management API was not able to migrate the file : *file-name*. The error occurred in function : *function-name*.**

Explanation: The Space Management API tries to migrate a file and fails in the displayed API function.

System action: The selected file is not migrated to the server.

User response: See the error log file for additional information.

FMV8859E **The Space Management API was not able to recall the file : *file-name*. The error occurred in function : *function-name*.**

Explanation: The Space Management API tries to recall a file and fails in the displayed API function.

System action: The selected file is not recalled from the server.

User response: See the error log file for additional information.

FMV8939E **An unexpected error occurred trying to filter the directory tree. rc=*return-code***

Explanation: The filter was not applied to the directory tree.

System action: The directory tree is not filtered.

User response: Contact your system administrator for further assistance.

FMV8945E **An unexpected error occurred analyzing the directory tree. The list of files matching your search criteria is not completed. rc=*return-code***

Explanation: It was not possible to search all items matching the search criteria on the directory tree due to an unexpected error.

System action: The search results table shows only the items found until the error is occurred.

User response: Contact your system administrator for further assistance.

FMV8946E **RPC call failed.**

Explanation: Unable to connect receiver recall daemon.

System action: Processing stopped.

User response: System is not operating correctly or recall daemons are not started.

FMV9005W *program name*: **invalid '***parameter name***' value:** *value* **(must be in [***minimum value***..***maximum value***]).**

Explanation: The program found an invalid parameter in the space management configuration of a filesystem.

System action: The paramter value was rejected.

User response: In case you tried to set the specified value manually, choose a value from the specified range instead. If the value is read from a file system's space management configuration file (located at [fs]/.SpaceMan/hsmfsconfig.xml), edit the file accordingly. The name of the filesystem can be determined from a subsequent error message.

FMV9007W *program name*: **invalid '***parameter name***' value:** *value* **(must be in [***minimum value***..***maximum value***]).**

Explanation: The program found an invalid parameter in the space management configuration of a filesystem.

System action: The paramter value was rejected.

User response: In case you tried to set the specified value manually, choose a value from the specified range instead. If the value is read from a file system's space management configuration file (located at [fs]/.SpaceMan/hsmfsconfig.xml), edit the file accordingly. The name of the filesystem can be determined from a subsequent error message.

FMV9008W **Compression is enabled. Recall mode for file *file-name* cannot be set to partial.**

Explanation: TSM can only set file attributes to a uncompressed migrated file. This file has been migrated with compression enabled.

System action: TSM does not set the file attributes.

User response: Recall the file to state resident disable compression and migrate the file again. Retry the operation.

FMV9009E *program name*: **found invalid space management configuration for '*filesystem*'.**

Explanation: The program found an invalid space management configuration for the given filesystem.

System action: The space management configuration was rejected for the given filesystem . When updating an existing configuration, invalid configurations to set are ignored. When a persistent configuration file is invalid, the filesystem will appear to not have space management enabled.

User response: In case you tried to update space management for this filesystem manually, enter a valid configuration instead. In case the persistent

configuration file is invalid, edit the file accordingly; alternatively, you can add space management explicitly (which will remove / overwrite the existing configuration). The reason for the configuration can be determined from a preceding error message. The filesystem's space management configuration file is located at 'filesystem'/.SpaceMan/hsmfsconfig.xml.

FMV9010E *program name*: **could not parse space management configuration file '***configuration file***' for** *filesystem*.

Explanation: The space management configuration file for the given filesystem is present but its content appears to have invalid format.

System action: The configuration was rejected. The filesystem will appear to not have space management enabled.

User response: Check the given space management configuration file; it is supposed to contain a well-formed XML document with a root element named 'HsmFsConfig'. To create a new configuration file, you can simply add space management to this filesystem.

FMV9011E *program name*: **could not write space management configuration file '***configuration file***' for** *filesystem*.

Explanation: IBM Tivoli Storage Manager could not write and save the space management configuration file for the given filesystem.

System action: IBM Tivoli Storage Manager did not save the space management configuration information. If you tried to add space management for this filesystem, it was not added. If you tried to update the space managment configuration, it was probably not updated. If an existing configuration file in old format was read successfully, but could not be converted to XML format, space management will be active for this filesystem with the configuration from the old file.

User response: Determine if there is any reason why the given file cannot be written.

FMV9012E *error-program*: **Command must be run by root user.**

Explanation: TSM requires that a root user perform this operation.

System action: TSM terminates the operation.

User response: Change to root user, and then retry the operation.

FMV9016E **Cannot get space management migration status for** *path*.

Explanation: An error occurred while trying to get the space management migration status. Either the permissions for the status file are not set correctly, or the status file is damaged.

System action: TSM terminates the operation.

User response: The root user should check the permissions of the status file, or contact the service representative.

FMV9017W *error-program*: **Minimum number of recall daemons** *min-dsmrecalld* **cannot be greater than maximum number of recall daemons** *max-dsmrecalld*; **defaulting to minimum** *min-dsmrecalld* **and maximum** *max-dsmrecalld*.

Explanation: A minimum number of recall daemons has been entered that is greater than the maximum number of recall daemons.

System action: TSM uses defaults instead of the values specified in the client system options file (dsm.sys).

User response: Correct the MINRECALLDAEMONS and MAXRECALLDAEMONS options in the client system options file and retry the operation.

FMV9018W *program-name*: *option* **option value** *value* **invalid, range** *min-value* **to** *max-value*.

Explanation: An invalid value has been entered. Value should be in the range specified by the message.

System action: TSM uses defaults instead of the value specified by the user.

User response: Correct the invalid input value.

FMV9019W *program-name*: **unable to parse** *option* **value '***argument***'**

Explanation: Input is incorrect or is not in correct format.

System action: TSM continues.

User response: Retry operation with correct usage syntax.

FMV9020E **Could not establish a session with a TSM server or client agent. The TSM return code is** *tsm-error;*.

Explanation: A communication error occured. The return code is provided to help diagnose the problem.

System action: Processing stops.

User response: Check the TSM error log for

communications failures such as TCP/IP, shared memory, or named pipe errors.

FMV9021E *error-program* **Unknown recall daemon (pid** *process-ID***) terminated abnormally, status:** *status***.**

Explanation: A recall daemon stops abnormally.

System action: TSM terminates the operation.

User response: Try the operation again. If the problem persists, send the core file to IBM technical support for analysis.

FMV9022E *error-program* **Recall daemon (pid** *process-ID***) ended abnormally, status:** *status***.**

Explanation: A recall daemon stopped abnormally.

System action: The operation does not complete.

User response: Try the operation again. If the problem persists, send the core file to IBM technical support for analysis.

FMV9023I *error-program***: Subsidiary recall daemon process exiting.**

Explanation: The process is interrupted and exiting. The user has terminated the process.

System action: TSM detected an interrupt. The recall daemon is terminated and exiting.

User response: None.

FMV9024E Starting with this release all candidate processing is done internally by the TSM monitor daemon. Thus -c is no longer a valid option for dsmreconcile.

Explanation: The command line options -c and -Candidates are no longer valid for dsmreconcile as all candidates processing is now performed by dsmmonitord.

System action: TSM detected an invalid option. dsmreconcile is exiting.

User response: Don't use options -c and -Candidates with dsmreconcile anymore.

FMV9025E The Data Protection for WebSphere plug-in version and the backup-archive client version do not match. Please upgrade your Data Protection for WebSphere plug-in.

Explanation: The release and version of the Data Protection for WebSphere plug-in is downlevel from the release and version of the Backup-Archive Client.

System action: None

User response: Upgrade Data Protection for WebSphere to the proper release and version.

FMV9028E *program name***: could not acquire lock for** *filesystem***.**

Explanation: Prior to modifying a space management configuration file, it is required to lock the file in order to avoid concurrent access. If acquiring the lock fails, there was a concurrent access.

System action: The action was cancelled.

User response: Retry the same request or determine the process holding the lock.

FMV9029E The WebSphere server is running, but the server must be shut down for a restore operation. Shut down the WebSphere server and try the restore operation again.

Explanation: The WebSphere server must be brought down to perform a restore.

System action: The restore operation fails.

User response: Shut down the WebSphere server and try the restore operation again.

FMV9030W Cannot set conflicting attributes to file *file-name***.**

Explanation: TSM cannot set the file attributes because the requested attributes are in conflict with one another.

System action: TSM does not set the file attributes.

User response: Retry this operation with attributes that do not conflict with each other.

FMV9031W File *file-name* **is not a migrated file.**

Explanation: TSM can only set file attributes to a migrated file. This file has not been migrated.

System action: TSM does not set the file attributes.

User response: Migrate this file, and then retry the operation.

FMV9032W File *file-name* **is not in an HSM managed file system.**

Explanation: TSM detects that the file is not in an HSM managed file system, and therefore, it cannot perform the operation requested.

System action: TSM does not set the file attributes.

User response: Add space management to the file system, migrate the file, and then retry the operation.

FMV9034E **The restore operation did not complete, due to a change in the original WebSphere environment.**

Explanation: The data must be restored to the same environment that it was backed up from. This includes items such as cell name, node name, and the location where WebSphere is installed.

System action: The restore operation does not complete.

User response: Perform the restore procedure in the *DP for WebSphere* book.

FMV9036W *program-name*: **migrated file(s) are missing on server for** *number* **stub file(s). Look in '***file-spec***' for file names.**

Explanation: TSM cannot find the migrated file(s) on the server.

System action: TSM continues.

User response: Look in the path mentioned in the message for the file name. Also ensure that you are working with the correct server for this file.

FMV9054E **The plug-in was not found.**

Explanation: None.

System action: None

User response: Run "dsmc show plugins" at the command prompt to see the available plug-ins on the system.

FMV9057W *error-program*: **cannot get space information for** *file-system*: *error*.

Explanation: TSM cannot get the space information for the file system.

System action: TSM continues.

User response: Verify that space management has been added to the file system.

FMV9058E *error-program*: **cannot close** *file-spec*: *error*.

Explanation: TSM cannot close the file. This problem occurs while the dsmmonitor daemon examines available space on the file system.

System action: TSM terminates the current operation.

User response: Confirm that file system is still mounted and managed by HSM. If the problem persists, reboot the system. If that does not resolve the problem, contact IBM technical support for further assistance. Provide the operating system error code and the output of the df, dsmdf, and mount Unix shell commands.

FMV9059E *error-program*: **process cannot detach to become a daemon.**

Explanation: TSM process cannot detach itself to become a daemon.

System action: TSM cannot start the daemon as requested. TSM stops.

User response: Retry the operation.

FMV9060W *error-program*: **cannot get and increase limit of open files.**

Explanation: TSM either cannot get the limit of the number of open files, or cannot increase the limit of the number of open files.

System action: TSM cannot increase the number of open files, and was not able to complete the operation.

User response: Free some file space by ending some processes or removing some files, and retry the operation.

FMV9062E **File '***filename***' has changed during the backup.**

Explanation: A file changed during the backup. Check the dsmerror.log file for a list of files that have changed.

System action: The backup fails.

User response: Try the backup again.

FMV9063E *error-program*: **file system** *file-system* **is out of inodes.**

Explanation: TSM cannot get space for the file system because the file system is out of inodes.

System action: TSM cannot get space via migration.

User response: Remove some files to make more inodes available and retry.

FMV9064E *error-program*: **Cannot fork a new process:** *error*.

Explanation: TSM cannot fork a new process that is needed. If the operating system errno is EAGAIN, then the limit on the total number of processes running on the system or by a single user has been exceeded, or the system does not have the resources necessary to create another process. If the errno is ENOMEM, then there is not enough memory to create the process.

System action: TSM cannot complete the requested operation.

User response: Depending on the error code (errno), either allocate additional virtual memory (swap space) or increase the operating system process limit. Then restart the HSM daemons or reboot the system.

FMV9065E **File '*filename*' or file '*filename2*' has been added or removed during the backup.**

Explanation: A file was added or removed during the backup.

System action: The backup fails.

User response: Try the backup again.

FMV9067W *error-program*: **error updating dsmmigfstab file for** *file-system*.

Explanation: TSM found an error in updating the dsmmigfstab file for this file system.

System action: TSM does not update the dsmmigfstab file.

User response: See the preceding error message and correct the error if possible. Then, retry the operation. If problem persists, contact your system administrator.

FMV9068I *program-name*: **dsmmigfstab file updated for file system** *file-system*.

Explanation: TSM successfully updated the dsmmigfstab file for the file system.

System action: TSM continues.

User response: Continue with normal operation.

FMV9069I *program-name*: **all file systems are reactivated to previous states.**

Explanation: TSM has reactivated all file systems managed by HSM to their previous states before the global deactivation.

System action: TSM continues.

User response: Continue with normal operation.

FMV9070I *program-name*: **space management is now deactivated for all HSM file systems.**

Explanation: TSM has deactivated space management for all file systems listed in the dsmmigfstab file.

System action: TSM continues.

User response: Continue with normal operation.

FMV9071W *program-name*: **error reactivating space management for all HSM file systems.**

Explanation: TSM found an error in trying to reactivate space management.

System action: TSM does not reactivate space management for HSM file systems.

User response: Make sure space management is installed correctly and retry the operation.

FMV9072W *error-program*: **error deactivating space management for all FSM file systems.**

Explanation: TSM found an error in trying to deactivate space management.

System action: TSM does not deactivate space management for FSM file systems.

User response: Make sure space management is installed correctly and retry the operation.

FMV9073W *program-name*: **error deactivating space management for file system** *file-system*.

Explanation: TSM found an error in trying to deactivate the file system.

System action: TSM does not deactivate space management for the file system.

User response: Make sure space management is installed correctly and retry the operation.

FMV9074I *program-name*: **space management functions have been locally deactivated for file system** *file-system*.

Explanation: TSM has locally deactivated space management functions like migration, recall and reconciliation for the file system.

System action: TSM continues.

User response: Continue with normal operation.

FMV9075W *program-name*: **error reactivating space management for file system** *file-system*.

Explanation: TSM found an error in trying to reactivate space management for the file system.

System action: TSM does not reactivate space management for the file system.

User response: Verify that the specified file system is mounted and that HSM is enabled for this file system. Then try the operation again. If the problem persists, contact IBM technical support for additional assistance. Provide the /etc/filesystems (or equivalent file) and the output from the mount and dsmdf commands.

FMV9076I *program-name*: **space management functions have been locally reactivated for file system** *file-system*.

Explanation: TSM has locally reactivated space management functions like migration, recall and reconciliation for the file system. Please, note however that the space management might still be globally deactivated.

System action: TSM continues.

User response: Continue with normal operation.

FMV9077I *program-name*: **removed space management from file system** *file-system*.

Explanation: TSM removed space management. The file system is now a native file system.

System action: TSM continues.

User response: Continue with normal operation.

FMV9078W **Space management is not removed from file system** *file-system*.

Explanation: TSM was not able to remove space management from this file system. Possible causes:

- Kernel extension is downlevel.
- Program is downlevel.
- Insufficient disk space.

System action: TSM is unable to complete the requested operation.

User response: Refer to the immediately preceding error message and retry the operation.

FMV9079W *program-name*: **no migrated files matching search criteria found.**

Explanation: TSM did not find any migrated files matching the search criteria.

System action: TSM cannot complete the requested operation.

User response: Retry the operation with a different search criteria.

FMV9080E *program-name*: **not enough space in file system or storage pool to recall all migrated files.**

Explanation: TSM detects there is not enough space in the file system to hold all the migrated files if all are recalled. If you are using GPFS storage pools, each pool needs to have enough space to recall it's files.

System action: TSM does not attempt to recall all the migrated files.

User response: Make room in the file system by increasing the file system size or removing some files. Retry the operation.

FMV9081W *program-name*: **orphaned stub file(s) detected in file system** *file-system*.

Explanation: TSM detected one or more orphaned stub files. Either the migration server was changed in the client system options file after the file was migrated, or the migration server database is damaged.

System action: TSM does not attempt to remove space management from the file system.

User response: Determine the cause of orphaned stub files. Switch to the correct migration server and recall the migrated files. Retry the operation.

FMV9082W *program-name*: **error encountered while reconciling file system** *file-system*.

Explanation: TSM encountered an error performing reconciliation on the file system.

System action: TSM continues.

User response: Refer to other messages displayed or messages in the log to correct the problem. Then retry the operation.

FMV9083W *program-name*: **cannot deactivate space management on file system** *file-system*.

Explanation: TSM cannot deactivate space management on the file system.

System action: TSM continues.

User response: Correct the error if possible and retry the operation.

FMV9084E *program-name*: *file-system* **is not managed or not locally managed by space management.**

Explanation: There is no entry for the file system in the dsmmigfstab file or the file system is managed by another node.

System action: TSM will not perform space management functions on this file system.

User response: Add space management to the file system, if appropriate, and then retry the operation. If the file system is not locally managed, retry the operation on the node managing the file system.

FMV9085E *program-name*: **file system** *file-system* **is not managed by space management.**

Explanation: There is no entry for the file system in the dsmmigfstab file.

System action: TSM will not perform space management functions on this file system.

User response: Add space management to the file system, if appropriate, and then retry the operation.

FMV9086E *program-name*: **A DMAPI error occured adding space management to file system** *file-system*, **It is possible DMAPI is disabled on this file system. The system set the error code: errno =** *errno-value*

Explanation: TSM encountered an error and cannot add space management to the file system.

System action: TSM Space management cannot be added to file system.

User response: Verify that DMAPI is enabled for this file system and retry the operation.

FMV9087I **Space management is successfully added to file system** *file-system***.**

Explanation: TSM has added space management to the file system, and will now monitor its space usage. You can also perform other space management operations on this file system.

System action: TSM continues.

User response: Continue with normal operation.

FMV9088W *program-name***: space management is already active for file system** *filesystem***.**

Explanation: This message is issued when trying to add space management to a filesystem with space management already activated. It is not possible to add space management for a filesystem that already has space management activated.

System action: The action was cancelled.

User response: In case you wanted to update the filesystem's space management configuration instead, use the appropriate update command.

FMV9089E **The group backup validation failed. One or more files were added, removed, or changed during the backup.**

Explanation: One or more files have been added, removed, or changed from the time WebSphere was queried to the time that all the data was sent to the TSM server. Check the dsmerror.log file for a list of files that were added, removed, or changed.

System action: The backup fails.

User response: Try the backup again.

FMV9090E *program-name***:** *file-system* **is not a valid file system name.**

Explanation: TSM received an invalid file system name. The file system is not mounted, or is not mounted correctly.

System action: TSM continues.

User response: Correct the file system name, and retry the operation.

FMV9091E **The WebSphere backup validation failed. One or more files were added, removed, or changed during the backup.**

Explanation: One or more files have been added, removed, or changed from the time WebSphere was queried to the time that all the data was sent to the TSM server. Check the dsmerror.log file for a list of files that were added, removed, or changed.

System action: The backup fails.

User response: Try the backup again. Do not install new WebSphere applications or change the WebSphere configuration while in the backup window.

FMV9092W **AES 128-bit Encryption is not being used.**

Explanation: AES 128-bit encryption is not being used. DES 56-bit encryption is being used instead.

System action: DES 56-bit Encryption is used instead of AES 128-bit encryption.

User response: If the user wants to use AES encryption, then the user must install the IBM JRE in order to enable AES encryption for the web client.

FMV9093W *program-name***: cannot update migration candidates list** *file-name***.**

Explanation: TSM cannot update the migration candidates list because not enough memory is available to create a temporary file.

System action: Processing stops.

User response: Make some memory available by ending some processes, and then retry the operation.

FMV9094W *program-name***: no candidates found in file system** *file-system***.**

Explanation: TSM found no files eligible for migration in the file system after running dsmreconcile.

System action: TSM continues.

User response: Continue with normal operation.

FMV9096E **User is not the owner of file** *filesystem-namedirectory-namefile-name* **so file is skipped.**

Explanation: The user does not own this file and cannot perform this operation.

System action: TSM skips the file.

User response: None, or if you have root-user authority, switch to root user and retry the operation.

FMV9098E *program-name***: space management does not support file system** *file-system***.**

Explanation: TSM space management does not support this type of file system. Space management supports only true local file systems (e.g. JFS on AIX). Space management does not support other types of file systems (AFS™, NFS, etc).

System action: Processing of the file system stopped.

User response: None.

FMV9099E *program-name*: **space management is not active for file system** *file-system*.

Explanation: TSM found the file system did not have space management activated.

System action: Processing of that file system stopped.

User response: Reactivate space management for the file system.

FMV9100E **Unable to open file '***filename***' for output.**

Explanation: The file name specified cannot be opened.

System action: Make sure that user has access to write to specified file, or use different file name.

User response: Output will not be saved. Please specify different file or check permissions on chose file.

FMV9101E **Migrated files matching '***file-name***' could not be found.**

Explanation: File name for search pattern can not be found in the TSM server database as a migrated file.

System action: No query result.

User response: Verify that the search patter is correct.

FMV9117E **Virtual machine '***VM name***' will not be backed up because it contains at least one of the following unsupported special characters** *special characters*

Explanation: The specified virtual machine contains characters that are not supported for virtual machine backup and restore operations.

System action: The backup for the specified virtual machine fails.

User response: Rename the virtual machine so that it does not contain any of the specified special characters.

FMV9121I **Activate completed.**

Explanation: A Domino activate databases operation was completed.

System action: TSM activated the databases.

User response: Continue with normal operations.

FMV9126E *program-name*: **cannot determine whether space management is active or inactive for** *file-system* **due to error:** *error*.

Explanation: The program 'program-name' indicated in the message text was unable to obtain statistics for file system 'file-system'. Therefore the program cannot determine whether space management is activated, deactivated, or globally deactivated on that file system. The message text includes a description of the Unix errno error that occurred while trying to get the state of space management.

System action: TSM stops the operation.

User response: Verify that the file system is mounted and accessible. Using the appropriate tools for that file system, check whether there are any I/O or other integrity errors on that file system. Then try the operation again. If the operation fails, then a system reboot might clear the error condition. If, after taking these actions the problem persists, contact IBM technical support for assistance.

FMV9128I **Inactivate logs completed.**

Explanation: A Domino inactivate log operation was completed.

System action: TSM inactivated the log.

User response: Continue with normal operations.

FMV9130W *program name*: **could not convert the space management configuration for** *filesystem* **from file** *old configuration file* **to** *XML configuration file*.

Explanation: Starting from TSM version 6.1, space management configuration is stored in XML format. In case the systems finds a configuration file in former, proprietary format only, it is read and converted to XML format. This message indicates that the old format file was read successfully but could not be written to an XML configuration file.

System action: Space management configuration is taken from the old format file.

User response: Determine the reason why the XML file could not be written.

FMV9131E *program name*: **old space management configuration file does not match** *filesystem*: *file content*.

Explanation: Starting from TSM version 6.1, space management configuration is stored in XML format. In case the systems finds a configuration file in former, proprietary format only, this file is processed. The content of the file starts with the filesystem; this message is issued when the filesystem name does not match.

System action: Space management configuration was rejected. The filesystem is considered to not have space management activated.

User response: Check the old configuration file and correct the filename manually in case the rest of the file

content is valid. Alternatively, you can explicitely add space management for the filesystem to create a new space management configuration file.

FMV9132E *program name*: **old space management configuration file is corrupted for** *filesystem*: *file content*.

Explanation: Starting from TSM version 6.1, space management configuration is stored in XML format. In case the systems finds a configuration file in former, proprietary format only, this file is processed. This message is issued when parsing its content failed.

System action: Space management configuration was rejected. The filesystem is considered to not have space management activated.

User response: Check the old configuration file and consider correct its content manually. Alternatively, you can explicitely add space management for the filesystem to create a new space management configuration file.

FMV9133E *program name*: **space management already active for** *filesystem*.

Explanation: This message is issued when trying to add space management to a filesystem with space management already activated.

System action: The action was cancelled.

User response: Check the filesystem's space management configuration and consider updating it in case it does not match your needs. It is not possible to add space management for a filesystem that already has space management activated.

FMV9134E *program name*: **space management not active for** *filesystem*.

Explanation: The program requested the space management configuration for a file system where space management is not active.

System action: The action was cancelled.

User response: In case you entered the filesystem specification, check for correct spelling. It is not possible to perform space management actions on a filesystem with space management not activated.

FMV9135E *program name*: **space management for** *filesystem* **not controlled by the local node.**

Explanation: The program requested the space management configuration for a file system where space management is active, but not controlled by the local node. In cluster environments, some space management actions are allowed from the owner node only.

System action: The action was cancelled.

User response: Determine the controller node for this filesystem and retry.

FMV9136E *program name*: **could not remove** *configuration file* **for** *filesystem*.

Explanation: During removal of space management for the given filesystem, this configuration file could not be removed.

System action: Space management could not be deactivated for this filesystem.

User response: Determine the reason why the file could not be removed and retry.

FMV9137I **File:** *file-name* **is not premigrated.**

Explanation: File must be premigrated to migrate it.

System action: The file was skipped.

User response: The migration of premigrated files requires that the file is in premigration state.

FMV9140E **The migration options premigration and stub cannot be combined.**

Explanation: The migration option premigration and stub are mutual exclusive. Both options end in different results for the same file.

System action: Command ends without changes to the file.

User response: Use the migration options premigration and stub in different instances of the command.

FMV9147E *program-name*: **cannot read** *file-spec*: *error*.

Explanation: TSM cannot read this file.

System action: TSM cannot fully complete the requested operation.

User response: An error occurred reading an HSM managed file system status file. Verify that the file system is mounted and enabled for HSM and is actually managed by HSM and then try the operation again. If the problem persists, contact IBM technical support for further assistance. Provide the output from the mount, dsmdf and ls -l [file system name] commands.

FMV9148E *program-name*: **cannot find mount point for file system** *file-system*.

Explanation: TSM cannot find file system mount point.

System action: TSM cannot complete the requested operation.

User response: The specified file system is not currently mounted. Mount the file system and try the operation again.

FMV9150I Archive log completed.

Explanation: A Domino archive log operation was completed.

System action: TSM archived the log.

User response: Continue with normal operations.

FMV9151E An unexpected program error was encountered . TSM function name : *function-name* **TSM function :** *function-desc* **TSM return code :** *TSM-rc* **TSM file :** *file-name* **(***line-number***)**

Explanation: None.

System action: Processing stops.

User response: Check error log for more information. Contact the TSM administrator with the information provided in this message.

FMV9152E *program-name***: cannot deactivate space management for whole system:** *error***.**

Explanation: Space management cannot be deactivated for the whole machine.

System action: TSM cannot deactivate space management support.

User response: The HSM global status is inaccessible, possibly due to concurrent access. Try the operation again. If the problem continues, examine the output of the shell command ps -aef as well as the contents of /etc/adsm/SpaceMan/config/dmiFSGlobalState.pid. If a pid is stored in this file and it does correspond to a running process, remove the dmiFSGlobalState.pid file and retry the operation. If the problem persists, reboot the system and repeat the appropriate analysis for your file system type.

FMV9153E *program-name***: cannot reactivate space management for whole system:** *error***.**

Explanation: Space management cannot be reactivated for the whole machine.

System action: TSM cannot reactivate space management support.

User response: The HSM global status is inaccessible, possibly due to concurrent access. Try the operation again. If the problem continues, examine the output of the shell command ps -aef as well as the contents of /etc/adsm/SpaceMan/config/dmiFSGlobalState.pid. If a pid is stored in this file and it does correspond to a running process, remove the dmiFSGlobalState.pid file and retry the operation. If the problem persists, reboot the system and repeat the appropriate analysis for your file system type.

FMV9154E *program-name***: cannot deactivate space management for file system** *file-system***:** *error***.**

Explanation: Space management cannot be deactivated for the file system.

System action: TSM unable to deactivate space management support for the file system.

User response: The HSM file system status is inaccessible, possibly due to concurrent access. Try the operation again. If the problem continues verify that the file system is mounted and that HSM is enabled on the file system with the Unix shell commands mount and dsmdf. If the problem persists, reboot the system and try the operation again.

FMV9155E *program-name***: cannot reactivate space management for file system** *file-system***:** *error***.**

Explanation: Space management cannot be reactivated for the file system.

System action: TSM cannot reactivate space management support to the file system.

User response: The HSM file system status is inaccessible, possibly due to concurrent access. Try the operation again. If the problem continues, verify that the file system is mounted and that HSM is enabled on the file system with the Unix shell commands mount and dsmdf. If the problem persists, reboot the system and try the operation again.

FMV9156I Rollforward completed.

Explanation: A Domino DB2 rollforward operation was completed.

System action: TSM rollforward the Domino DB2 database log.

User response: Continue with normal operations.

FMV9157W Please enter a valid filespace location

Explanation: This message will be seen when you run the Pref editor from MFC GUI. This means that user has not entered a required field which is filespace location path.

System action: TSM Enter required field

User response: Operation will not proceed till user enters required field

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FMV9158W *program-name*: **cannot turn on ENOSPC checking in kernel:** *error*.

Explanation: TSM cannot turn on ENOSPC checking.

System action: TSM cannot turn on ENOSPC checking. Processing continues.

User response: Verify that the AIX JFS HSM fsm kernel extension is loaded, then try the operation again. If the problem persists, reboot the system and try the operation again.

FMV9159E *program-name*: **unable to create temporary file.**

Explanation: TSM cannot create a temporary file.

System action: TSM cannot complete its operation.

User response: Check with the Unix mount shell command that /tmp and /etc exist as separate file systems on your system. Use the df command to check whether they are full. Create additional space by deleting files or increasing the file system size.

FMV9160E *program-name*: **cannot write to temporary file or status file***file-spec*: *error*.

Explanation: TSM cannot complete writing to the temporary file.

System action: TSM cannot complete the requested operation.

User response: The Unix error code may provide guidance as to why the write failed. Use the Unix mount and df shell commands to verify that the associated file system is mounted and has space available. If this message resulted from a shell command, mount the file system and create additional space if necessary, then retry the operation. If the message did not result from a shell command, restart the daemons. If the problem persists, reboot the system.

FMV9161E **Invalid backupset file or device name entered.**

Explanation: The backupset file or device name specified does not contain a valid backupset.

System action: Processing stopped.

User response: Specify a file name or device that contains a valid backupset and retry the operation.

FMV9162W **Object: '***dir-name***' is skipped for recall: It is a directory.**

Explanation: The object is a directory. Space management does not recall directories.

System action: IBM Tivoli Storage Manager does not recall this object because it is a directory.

User response: None.

FMV9163W *program-name*: **Could not acquire the recall daemon session id.**

Explanation: Could not set up the event disposition for the file system, because the recall daemon session could not be acquired. It seems the recall daemon is not running. Recall requests will not be handled, which means the TSM client for space management can't react to recall requests for this file system.

System action: TSM could not set up the recall event handling. The recall event handling is not enabled for this filesystem.

User response: Start or restart the recall daemon.

FMV9164W *program-name*: **Could not acquire the monitor daemon session id.**

Explanation: Could not set up the event disposition for the file system, because the monitor daemon session could not be acquired. It seems the monitor daemon is not running. Thus the thresholds for file system usage will not be monitored and the NOSPACE event will not be handled, which means the file system may run out of space.

System action: TSM could not set up the NOSPACE event handling. The NOSPACE event handling is not enabled for this filesystem.

User response: Start or restart the monitor daemon.

FMV9165E *program-name* **cannot open directory** *directory-spec* **due to the following error:** *error*.

Explanation: The directory indicated in the message text cannot be opened. The message text includes a description of the error that occurred.

System action: The requested operation is not completed.

User response: Try to correct the error condition that is indicated in the message text, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV9166I **A '***backup type***' backup version backup date '***datetime***' is not consistent with local repository and has been deleted from the server (object name='***filespace namepath-namefile-name***', ID = '***object-id***:***object-id***').**

Explanation: The specified backup instance of the named object is not valid with local repository contents. This could happen if local repository is modified or got corrupted on the client system. This backup can not be restored, therefore it will be deleted on the server.

System action: The specified backup object will be deleted on the server. Processing will continue.

User response: None.

FMV9167W The client cache for adaptive subfile backup is corrupt and cannot be used.

Explanation: The adaptive subfile cache has become corrupt. While the backup client can detect the corruption, the reason for the corruption cannot be determined.

System action: The TSM client will proceed with standard selective or incremental backup. The cache will be rebuilt so that subsequent backups will use the adaptive subfile technique.

User response: If the problem persists, contact IBM technical support for assistance. Be prepared to provide the client error log, which will contain additional messages that might be useful for support to help identify the problem.

FMV9168E *program-name* **cannot open database** *file-spec* **due to the following error:** *error***.**

Explanation: The database specified in the message text could not be opened. The reason for the error is included in the message text.

System action: The requested operation does not complete.

User response: Make sure that the file system has sufficient available space, then try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV9169E *program-name***: cannot create directory** *directory-spec***,** *reason***.**

Explanation: TSM cannot create this directory.

System action: TSM does not create this directory.

User response: Verify that this directory does not already exist, and that its parent directory has proper permissions.

FMV9170E *program-name***:** *file-system* **is not a mounted local file system.**

Explanation: TSM did not find that this file system is properly mounted.

System action: TSM ignores the file system.

User response: Verify that this file system is local and mounted and activated properly.

FMV9171E An error internal to TSM has occurred. The following string is too long: *error***.**

Explanation: None.

System action: The requested operation does not complete.

User response: A system reboot might clear up the problem, after which the operation should be tried again. If the problem persists, contact IBM technical support for further assistance.

FMV9172I Backup system component " is excluded from processing.

Explanation: You tried to back up the system component that was specified to be excluded from backup.

System action: IBM Tivoli Storage Manager did not back up the system component.

User response: Verify the input keyword or the writer name via the command line client and the Exclude lists.

FMV9173I Backup system component " doesn't exist.

Explanation: You tried to back up the system component that is not installed or is not started.

System action: IBM Tivoli Storage Manager did not back up the system component.

User response: Verify the input keyword or the writer name by using the GUI interface to expand the "System State" or "System Services" node.

FMV9174I A backup delete completed.

Explanation: A Backup delete was completed.

System action: TSM deleted backup files.

FMV9175E There is not enough memory for the backup delete operation

Explanation: TSM cannot allocate memory for the specified backup delete operation.

System action: TSM cannot continue with the requested backup delete operation.

User response: Close all unneeded applications and try the operation again. Reducing the scope of queries and the amount of data returned might also help, or see your system administrator.

FMV9176I Backup delete is stopped by the user.

Explanation: You requested the backup delete operation be stopped.

System action: Archive delete stopped.

User response: Continue with normal operations.

FMV9177W **All data events for remote recalls running on node: '***cluster node ID***', hostname: '***cluster node hostname***' are going to be aborted.**

Explanation: The remote node is not responding, so all DMAPI data events which are currently being processed on this remote node should be aborted. This warning is likely caused by an RPC communication issue between the local node and the specified remote node.

System action: The dsmrecalld distributor process is going to abort all data events (if any) which are currently being processed on the specified remote node.

User response: Ensure that the network and host connection are configured correctly. Then, retry the recall operation.

FMV9178E *program-name* **cannot open file** *file-spec* **due to the following error:** *error***.**

Explanation: The program indicated in the message text was unable to open the specified file. The message text also includes a description of the error that occurred when it tried to open the file.

System action: The requested operation does not complete.

User response: Verify that the file system on which the file resides is mounted, then try the operation again. A system reboot might clear up the problem. If the problem persists, contact IBM technical support for further assistance.

FMV9179W **The operation completed successfully. However, some error occurred on creation of the required vApps list.**

Explanation: One or more of the items included in the vApps specification were not found. This can be caused by a change in the vCD organizations configuration or a user mistake in the provided vApp spec.

System action: The operation completes successfully

User response: Check the local client error log for a reason for the failure and check the command specification. Correct any issues and execute the command again.

FMV9180W **An entry in the password file could not be decrypted.**

Explanation: The password failed decryption validation.

System action: The password in the password file will be ignored. You will be prompted for the password, unless the process is running in the background, such as in scheduling mode.

User response: Enter the password when prompted.

FMV9182W **Your customized client nodes list already contains this node. Would you like to update it?**

Explanation: The list of client nodes contains already the specified client node. You cannot have two client nodes with the same client node name in the same machine.

System action: Updates or does not update the client node, depending on the user response.

User response: Select "yes" to update the client node. Select "no" to cancel this operation.

FMV9183W **Removing Space Management from '***file-system***' file system means that all migrated data will be recalled from TSM Server '***server-name***' Make sure that enough free space is present on this file system for the recalled data. Do you want to remove Space Management from '***client-node***' now?**

Explanation: Removing Space Management from the selected file system means that all migrated data will be recalled from the server.

System action: Prompts the user to confirm when removing Space Management from the selected file system.

User response: Make sure that enough free space is present on this file system for the recalled data.

FMV9184E *program-name* **cannot allocate memory due to the following error:** *error***.**

Explanation: A memory allocation error occurred. The message text includes a description of the error that occurred.

System action: The requested operation does not complete.

User response: Try the operation again. If the problem occurs in an HSM daemon, restart the daemon, then try the operation again. If the problem continues to occur, use your operating system's administrative tools to check virtual memory (swap space) on your system, and increase it if necessary. Check whether an application is consuming available virtual memory. A system reboot might also clear up the problem. If the problem persists, contact IBM technical support for further assistance.

FMV9185W Master scout daemon is not running!

Explanation: A list of candidates files eligible for migration cannot be built because the master scout daemon is not running on the selected client node.

System action: Files are not automatically migrated to the TSM server.

User response: Restart the master scout daemon manually using the "dsmscoutd" command from a command shell on the machine where Space Management Agent is running.

FMV9186E *program-name*: **cannot open mounted file system** *file-system*: *error*.

Explanation: TSM cannot open mounted file system.

System action: TSM ignores the file system.

User response: Verify that this file system is mounted and activated properly.

FMV9187W Monitor daemon is not running!

Explanation: Files cannot be automatically migrated to the TSM server or recalled from TSM server because the monitor daemon is not running on the selected client node.

System action: Files are not automatically migrated or recalled from the TSM server.

User response: Restart the monitor daemon manually using the "dsmmonitord" command from a command shell on the machine where Space Management Agent is running.

FMV9188E Not enough memory for recall operation

Explanation: TSM cannot allocate storage for the requested recall operation.

System action: TSM cannot complete the requested operation.

User response: Retry the recall operation. If the problem continues, check with your system administrator.

FMV9189I Recall stopped by user

Explanation: You requested that TSM stop the recall operation.

System action: Recall stopped.

User response: Continue with normal operations.

FMV9191E Error checking file system state

Explanation: The system cannot open /dev/dsm or cannot open the file system.

System action: Transaction stopped.

User response: Retry the operation. If the problem continues, check with your system administrator.

FMV9192I Cannot disable *file-system*.

Explanation: TSM cannot disable the file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM ignores the request.

User response: Use the dsm Unix shell commands.

FMV9193I Cannot open *file-system*.

Explanation: TSM cannot open the file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM ignores the request.

User response: Use the dsm Unix shell commands.

FMV9194W A selective migration is in progress. Wait until it completes and retry the recall.

Explanation: You tried a recall operation while a selective migration is in progress.

System action: TSM ignores the request.

User response: Wait until the selective migration is complete and retry the recall operation.

FMV9195W A selective recall is in progress. Wait until it completes and retry the migration.

Explanation: You initiated a migration operation while a selective recall is in progress.

System action: TSM ignores the request.

User response: Wait until the selective recall is complete and retry the migration operation.

FMV9196W The PASSWORDACCESS option in your dsm.sys file is not set to GENERATE. Reset it to GENERATE and restart the HSM client.

Explanation: The PASSWORDACCESS option in your dsm.sys file is set to PROMPT. It must be set to GENERATE in order for automatic space management services to work.

System action: TSM terminates the client.

User response: The root user must set the PASSWORDACCESS option to GENERATE in the dsm.sys file.

FMV9197E File: *file-name* **has already been recalled.**

Explanation: You tried to recall the a file that has already been recalled.

System action: TSM does not highlight the file.

User response: None.

FMV9198E File: *file-name* **is a resident file.**

Explanation: You tried to recall a file that is resident.

System action: TSM will not highlight the file.

User response: None.

FMV9199S Cannot open /dev/fsm

Explanation: TSM cannot open the space management device file, /dev/fsm.

System action: TSM cannot complete the operation.

User response: Check to see whether TSM is installed correctly and that the /dev/fsm file exists. Correct the problem and retry the operation.

FMV9201W LAN-free path failed.

Explanation: A LAN-free connection could not be made.

System action: The system will connect to the server without using the LAN-free path.

User response: Verify your LAN-free setup.

FMV9203E ENABLELANFREE can not be used when HSM is installed.

Explanation: The TSM Client has detected that HSM is installed on the system. LAN-free is not a valid option when HSM is installed.

- This error occurs on AIX when this file is found: /usr/tivoli/tsm/client/hsm/bin/dsmrecalld
- This error occurs on Solaris when this file is found: /opt/tivoli/tsm/client/hsm/bin/dsmrecalld

System action: An invalid option is detected and processing stops.

User response: Remove the ENABLELANFREE option from the system option file. ENABLELANFREE can only be used when HSM is not installed.

FMV9206W User quota is reached!

Explanation: The maximum amount of data that can be migrated and premigrated from this file system to the TSM Server is reached.

System action: Files cannot be migrated to TSM server.

User response: Use the File System Properties dialog to specify a different quota value.

FMV9220W Recall daemon is not running!

Explanation: Files cannot be recalled from TSM server because the recall daemon is not running on the selected client node.

System action: Files are not recalled from the TSM server.

User response: Restart the recall daemon manually using the "dsmrecalld" command by a command shell on the machine where Space Management Agent is running.

FMV9227E Internal error loading the status: *error-message*

Explanation: An exception has been detected loading the status of space management activities.

System action: The status of the related activity is not loaded. The process continues to load the status at the next refresh interval.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV9230E Communication error detected in the migration phase of this process!

Explanation: An unexpected error is occurred due to server communication error in migration phase.

System action: TSM will not migrate files from this file system.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV9231E Processing error detected in the migration phase of this process!

Explanation: An unexpected error is occurred due to some processing communication error.

System action: TSM will not migrate or premigrate files from this file system.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV9233E Processing error detected in the premigration phase of this process!

Explanation: An unexpected error is occurred due to some processing communication error in the premigration phase.

System action: TSM will not premigrate files from this file system.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV9236E Error detected performing reconciliation on this file system!

Explanation: An error is occurred performing reconciliation on the selected file system.

System action: TSM will not reconcile this file system with TSM server.

User response: Check the dsmsm.log file in the installation directory of your local machine and the $DSM_DIR/dsmerror.log file on the client node machine if present. If this does not identify the cause of the problem, contact your system administrator and/or TSM technical support for further assistance.

FMV9240W Could not acquire the serial number of disk '*disk-name***' at LUN** *LUN-id***.**

Explanation: TSM was not able to determine the serial number of the specified disk. The disk may not support SCSI inquiries of the Vital Product Data on page 0x80.

System action: Server-free data movement will not be possible for data residing on the specified disk.

User response: None.

FMV9249E File '*file-namefile-namefile-name***' accessed during migration. File skipped.**

Explanation: The specified *file-name* was not migrated because the file was accessed by another process during the attempt to migrate it.

System action: TSM left the file resident.

User response: If you want the file migrated, stop the process which is accessing the file and retry the migration.

FMV9250I File system '*file-system***' reconciliation completed.**

Explanation: TSM has finished reconciling the file system.

System action: TSM continues.

User response: Continue with normal operations.

FMV9251E *ProgramName***: Cannot parse command-line options correctly.**

Explanation: An internal program error occurred trying to parse the command-line arguments.

System action: The program is not able to process the request.

User response: Use the -h or -help option to see what options are allowed on the command-line, then retry the request.

FMV9252I Value of environment variable: *envVar***.**

Explanation: None.

System action: This message is informational.

User response: None.

FMV9254E An error was encountered while adding implicit excludes to the include-exclude list.

Explanation: None.

System action: TSM cannot proceed.

User response: If HSM control file exclusion conflicted with other include/exclude directives, correct the explicit include/exclude directives to allow for exclusion of HSM control files and directories. Ensure that all HSM file systems are mounted.

FMV9255I An empty status file will be generated.

Explanation: The HSM status file is missing or can not be opened. An empty status file will be created.

System action: File data migration will continue to work normally.

User response: Please run dsmreconcile to create a complete status file.

FMV9256E **File '*file-namefile-namefile-name*' is currently opened by another process.**

Explanation: The file is locked by a migration or recall operation. A file can be the object of only one recall process or one recall operation at a time.

System action: The file is skipped.

User response: If this error is not a result of a parallel file migration or recall operation, then this error might be due to the previous cancelled migration or recall operation. In this case, restart the dsmrecalld daemon and try the operation again.

FMV9257E **Server '*server-name*' does not support space management.**

Explanation: The specified *server-name* does not support space management. It is a downlevel server, or a platform that does not support space management.

System action: TSM failed the operation.

User response: If you want to use the space management function, make sure you connect to a server that supports space management.

FMV9263W **You cannot restore both active and inactive versions of System State.**

Explanation: Restoring an active copy and inactive copy of System State is not allowed.

System action: No processing takes place.

User response: Select either the active copy or the inactive copy to perform restore operation.

FMV9264E **Incremental backup of Virtual Machine '*vmname*' failed with RC** *rc*

Explanation: The incremental backup of virtual machine volumes failed.

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

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

FMV9265E **Failure mounting Virtual Machine '*vmname*' with vcbMounter command. RC=*rc***

Explanation: The VMware vcbmount command failed to mount virtual machine disk.

System action: The backup of the virtual machine can not continue. The next virtual machine in the vmlist will be processed. The output of the vcbMounter command will show the reason for the failure.

User response: Issue a vcbMounter command for the virtual machine to determine the reason for the failure. Refer to the documentation for that message for more information.

FMV9266E **Failure initializing virtual machine environment. Can not find vcbMounter.exe command. RC=*rc***

Explanation: Failure initializing virtual machine environment. Can not find vcbMounter.exe command. The VMware Consolidated Backup Framework not installed or vcbMounter.exe command is not located in current PATH environment variable.

System action: The backup can not continue. The output of the vcbMounter command will show the reason for the failure.

User response: Issue a vcbMounter command for the virtual machine to determine the reason for the failure. Refer to the documentation for that message for more information. The VMware Consolidated Backup Framework must be installed on the Backup Proxy machine. The installed location and the vcbMounter.exe must be located in the PATH environment variable. The default location is C:\Program Files\VMware\VMware Consolidated Backup Framework.

FMV9267E *program-name*: **File system** *file-system* **has exceeded its quota.**

Explanation: TSM detects that the file system has exceeded its quota. No more data can be migrated out of this file system.

System action: TSM will not migrate files from this file system.

User response: Recall some files, or ask the system administrator to increase the quota for this file system.

FMV9278E **Failure processing vmList option. RC=*rc***

Explanation: Failure processing vmList option.

System action: The backup can not continue.

User response: Check for errors in the vmList option value. Refer to the documentation for the vmList option for more information.

FMV9279E **Failure locating Virtual Machine '*vmname*' volumes. Failed with RC=*rc***

Explanation: Virtual machine volumes can not found. Volume mount points are not available on Backup Proxy machine.

System action: The backup of the virtual machine can not continue. The next virtual machine in the vmlist

will be processed. The output of the vcbMounter command will show the reason for the failure.

User response: Issue a vcbMounter command for the virtual machine to determine the reason for the failure. Refer to the documentation for that message for more information.

FMV9280E **'*vmname*' option must be set when running this operation.**

Explanation: A required option for the command is missing.

System action: The operation can not continue.

User response: Set the missing option using the Preference Editor or the command line.

FMV9283K **Tivoli Space Manager is recalling a migrated file.**

Explanation: The space management kernel extension is attempting to access a file that is not stored locally. If the file is migrated, TSM is attempting to access it from an TSM space management server.

System action: TSM waits for the kernel to access the file.

User response: None.

FMV9284K **File access waiting for migration to complete.**

Explanation: The file being accessed is currently being migrated. Access to this file must wait until the migration process is finished.

System action: TSM waits until the file migration is completed.

User response: None.

FMV9285K **Cannot complete remote file access.**

Explanation: The space management kernel extension cannot complete the remote file access. The file may be migrated to an TSM migration server. The file cannot be recalled to the local machine. The server could be temporarily disabled.

System action: TSM terminates the current operation.

User response: Check to see whether the server has been disabled by the system administrator, then retry the operation.

FMV9286K **File migration has been discontinued.**

Explanation: Migration stops because the file is being migrated by another process.

System action: TSM terminates the current operation.

User response: None.

FMV9287E **Invalid or unsupported device.**

Explanation: The logical volume device is either invalid or unsupported. Refer to the documentation for device type support for image backup.

System action: The logical volume operation is not performed.

User response: For image backup source or image restore destination, specify a device of one of the supported types.

FMV9288W **File: *file-name* of size *file-size* is too small to qualify for migration.**

Explanation: The file is smaller than the minimum size required for migration. A file is considered for migration only if the file is greater than both of the following: The stub file size specified for the file system plus 1 byte The block size defined for the file system.

System action: IBM Tivoli Storage Manager does not migrate this file because migration does not free additional space.

User response: None.

FMV9289W **Object: '*dir-name*' is skipped for migration: It is a directory.**

Explanation: The object is a directory. Space management does not migrate directories.

System action: IBM Tivoli Storage Manager does not migrate this object because it is a directory.

User response: None.

FMV9290W **File: *file-name* is skipped for migration: The file type is either unknown or unsupported.**

Explanation: The file either cannot be read, is not a regular file, or its type is unknown to the HSM client. The HSM client migrates only regular files and does not migrate directories, symbolic links, and special files.

System action: IBM Tivoli Storage Manager does not migrate this file.

User response: None.

FMV9291E ***program-name*: A conflicting space management program is already running in the *file-system* file system. Re-run this program later in this file system.**

Explanation: TSM detected another program running in the file system that cannot run at the same time as the program your tried to initiate. The following programs cannot run at the same time for a file system:

- dsmreconcile
- dsmautomig

- dsmmigfs remove.

Also, dsmmigfs remove cannot run while a migration process is running in the file system.

System action: TSM will not run the program at this time.

User response: Try running the program later.

FMV9292E *program-name*: **Cannot access lock file** *lock-file*/*lock-file*lock-file: *error*

Explanation: TSM cannot access a lock file due to an error. The lock file provides serialization of certain programs to prevent conflicting processes from running at the same time.

System action: TSM will not run the program at this time.

User response: Check the permissions on the directories leading up to the lock file and also the permissions on the program executable.

FMV9293E **TSM space management cannot access ERRORPROG** *error-program*:*error*

Explanation: TSM encountered an error trying to access the program specified with the ERRORPROG option in your client system options file (dsm.sys). This message will appear only the first time this error occurs.

System action: TSM cannot send a severe error message to the specified error message program.

User response: Check to make sure the program exists and that it accepts standard input when run. It is usually best if ERRORPROG specifies the fully qualified file name of the program.

FMV9294I **No files matching '***file-name***' were found.**

Explanation: You entered a search pattern or file name that cannot be found in the local file system.

System action: Processing stopped.

User response: Ensure that your search pattern is correct, or specify a new search string.

FMV9296W **Performing image backup of the entire volume for** *volume name***. The IMAGEGAPSIZE option and used block image backup is not supported for non-JFS2 file systems on AIX.**

Explanation: None.

System action: The entire volume is backed up.

User response: Refer to the client manual for additional information regarding the IMAGEGAPSIZE option and used block image backup.

FMV9297W **File** *file-name* **is skipped for migration: No backup copy found.**

Explanation: A management class is assigned to the file with the attribute MIGREQUIRESBKUP set to YES. This option requires that there exists a current backup copy of the file before migration. However, there is no backup copy found on the migration server. This file is not migrated. Note: IBM Tivoli Storage Manager checks only the migration server for a backup copy. If the migration server and backup server are different servers, IBM Tivoli Storage Manager does not find a backup copy of the file.

System action: The file is skipped.

User response: Back up this file on the migration server, or assign a management class to this file that does not require a current backup copy. Try the operation again.

FMV9298W **File** *file-name* **is skipped for migration: Backup copy found is not current.**

Explanation: A management class is assigned to the file with the attribute MIGREQUIRESBKUP set to YES. This option requires that there exists a current backup copy of the file before migration. However, the backup copy found on the migration server is an old version. This file is not migrated. Note: IBM Tivoli Storage Manager checks only the migration server for a backup copy. If the migration server and backup server are different servers, there must be a valid backup copy of the file on the migration server.

System action: The file is skipped.

User response: Back up the current file on the migration server, or assign a management class to this file that does not require a current backup copy. Retry the operation.

FMV9299I **Cannot get the number of migrated files for file system** *file-system*.

Explanation: Failed to get the number of migrated files on the file system. The number is stored in the status file for the file system.

System action: If you are removing space management from the file system, processing stops. Space management is not removed.

User response: Run reconciliation to reconcile the file system. Retry operation.

FMV9300I **Migrated files found in file system** *file-system*. **Check for any error encountered during recall.**

Explanation: Remove space management failed because there are migrated files in the file system. TSM was unable to recall any files, or some of the migrated files may have failed during a recall operation.

System action: TSM remove processing stops.

User response: Check for error messages that occurred during the recall process, correct any problems, and retry the remove process.

FMV9301E Full VM backup of Virtual Machine '*vmname*' failed with RC *rc*

Explanation: The Full VM backup of virtual machine failed.

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

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

FMV9302E The Restore VM command does not support VMBACKUPTYPE=FILE data. VM File level restore must be run from inside the virtual machine or with the 'asnodename' option.

Explanation: The Restore VM function not supported for file level data.

System action: The system does not process your requested action.

User response: Virtual machine File level restore must be run from inside the virtual machine or with the asnodename option. To process a full virtual machine restore, issue the command with VMBACKUPTYPE=FULLVM.

FMV9303E Full VM restore of Virtual Machine '*vmname*' failed with RC *rc*

Explanation: The Full VM restore of virtual machine failed.

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

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

FMV9304E VMware Converter tool not installed on system.

Explanation: VMware Converter tool install could not be detected on system.

System action: The full virtual machine image files have been restored successfully at the specified location.

User response: No further action is necessary. The full virtual machine images files can be used by various tools. VMware Converter tool can be installed on system.

FMV9305E Invalid Hyper-V VM name '*string*' entered

Explanation: You entered a Hyper-V VM name *string* that contains incorrect characters or contains wildcard characters.

System action: Processing stopped.

User response: Enter a correct Hyper-V VM name.

FMV9306E Invalid Hyper-V VM list '*string*' entered

Explanation: You entered a Hyper-V VM list *string* that contains incorrect characters or contains wildcard characters.

System action: Processing stopped.

User response: Enter a correct Hyper-V VM list.

FMV9307E No Hyper-V VM name or VMList entered

Explanation: No Hyper-V VM name or VMList parameter was specified.

System action: Processing stopped.

User response: Specify a correct Hyper-V VM name or VMList parameter.

FMV9308E No match found for the Hyper-V VM name or VMList '*string*' entered

Explanation: No match found for the Hyper-V VM name or VMList parameter entered.

System action: Processing stopped.

User response: Specify a correct Hyper-V VM name or VMList parameter.

FMV9309E Pick option specified but also a value for the Hyper-V VM name or VMList '*string*' entered

Explanation: You cannot specify the -pick option and also include a Hyper-V VM name or VMList parameter.

System action: Processing stopped.

User response: Specify the -pick option without a Hyper-V VM name or VMList parameter.

FMV9311E No Hyper-V VMs exist on the TSM server

Explanation: No filespaces representing a Hyper-V Virtual Machine currently exist on the TSM server.

System action: Processing stopped.

User response: You must successfully backup a Hyper-V Virtual Machine before using this command.

FMV9312S *program-name*: **Cannot change owner/group on file:** *file-name*: *error*

Explanation: TSM cannot change the ownership or group, or both for the specified file. This change is necessary for space management to run properly.

System action: TSM cannot continue processing.

User response: Ensure that directory permissions allow the file owner or group to be changed. Reissue the command.

FMV9313E *program-name*: **The TMP directory is full.**

Explanation: The TMP directory from the operating system is full.

System action: TSM stops.

User response: Delete some files in the TMP directory and retry the operation.

FMV9316T **File system '***file-system***' undelete completed.**

Explanation: TSM has finished undeleting the file system.

System action: TSM continues.

User response: Continue with normal operations.

FMV9318W *program-name*: **error encountered while undeleting file system** *file-system*.

Explanation: TSM encountered an error performing undelete on the file system.

System action: TSM continues.

User response: Continue with normal operation.

FMV9331W **VMware vCenter or ESX Server userid and password for VMC Host <***host***> VMC Userid <***userid***> could not be read from encrypted pwd file.**

Explanation: VMware vCenter or ESX Server userid and password could not be read from encrypted password file.

System action: Processing stops.

User response: Use dsmc SET PASSWORD -type=VM 'vCenter hostname' 'userid' 'password' to save encrypted password.

FMV9332E **VMware vCenter or ESX Server userid and password not set. Use dsmc SET PASSWORD -type=VM 'vCenter hostname' 'userid' 'password' to save encrypted password.**

Explanation: VMware vCenter or ESX Server userid and password could not be read from encrypted password file.

System action: Processing stops.

User response: Use dsmc SET PASSWORD -type=VM 'vCenter hostname' 'userid' 'password' to save encrypted password.

FMV9333E **Unable to re-create '***file-name***' as a stub file due to** *Unix-system-call***() failure; errno:** *error***; reason: '***error-reason***'.**

Explanation: TSM was unable to re-create the specified file as a stub due to an error.

System action: The processing continues with the next file.

User response: Please, look into the dsmerror.log for further error details. If the affected file path doesn't exist, restore it from your backup (if any) or re-create it manually, then re-try the operation. Make sure that the specified file system is TSM space managed, writable and in consistent state.

FMV9334E **Wrong alias '***alias-name***' received from the server.**

Explanation: TSM could not build a valid pathname for a migrated file due to the invalid alias received from the server.

System action: The processing continues with the next file.

User response: If possible, perform either an orphan check reconcile or an inline incremental backup of the initial file, so that the alias is updated on the server. Then, retry the operation. Otherwise, contact TSM support for further investigation and problem resolution.

FMV9347W **Warning:'***domain-keyword***' specified on Domain will be ignored when connecting to VMware ESX/ESXi host. Connect to VMware vCenter to process this domain.**

Explanation: None.

System action: Domain keyword is ignored.

User response: Connect to VMware vCenter to process this domain.

FMV9349I Selective Recall completed

Explanation: The selective recall was completed.

System action: TSM recalled the files.

User response: Continue with normal operations.

FMV9350E Backup operation failed due to volume mixture. Please refer to explanation section for additional information.

Explanation: IBM Tivoli Storage Manager failed to create the backup because of the mixture of volumes was detected. Some volumes selected meet the requirements for importing snapshots only when needed and some do not. This situation occurs when a backup operation is requested and the "Import VSS snapshots Only When Needed" feature is enabled and not all the volumes involved in the backup operation are managed by a VSS Hardware Provider that supports transportable snapshots. Additionally the situation can also occur in a clustered environment during a backup operation, when not all the volumes involved in the backup operation are managed by a VSS Hardware Provider that supports transportable snapshots.

System action: processing stops.

User response: Try the operation again by splitting the backup operation. Ensure that all the volumes involved in the backup operation are either managed by a Hardware Provider that supports transportable snapshots or that all the volumes involved in the operation do not support transportable snapshots. Additionally you may also turn off the "Import VSS snapshots Only When Needed" feature to allow the backup to allow the mixure.

FMV9351E Data was not available on server and was skipped.

Explanation: The data to be restored is not available on the server, so it will not be restored.

System action: The data is skipped, and the restore processing continues with the next object to be restored.

User response: Contact your TSM administrator.

FMV9352E SAN or HOTADD was chosen as the transport for at least one of the disks in the operation, but the SAN policy is not OnlineAll for this datamover. SAN or HOTADD cannot be used unless the SAN policy is OnlineAll.

Explanation: SAN or HOTADD was chosen as the transport because either the default transport setting was used, or it was specified in the VMVSTORTRANSPORT option. In order to use SAN or HOTADD as the transport mode, the SAN policy must be set to OnlineAll.

System action: Restore processing stops.

User response: Set the SAN policy to OnlineAll, or set VMVSTORTRANSPORT to something other than SAN or HOTADD, such as NBD. Then try the restore operation again.

FMV9353I Selective Recall stopped by user.

Explanation: You requested to stop the selective recall operation.

System action: Selective recall stopped.

User response: Continue with normal operations.

FMV9354E The node or owner name '*node*' specified in the SET ACCESS command exceeds the maximum allowed length (64).

Explanation: An invalid node or owner name has been entered in the SET ACCESS command.

System action: Processing stops.

User response: Enter the SET ACCESS command using the correct node or owner name.

FMV9355E VMware vStorage VI Web Service API reported error message: *vstor-api-msg*

Explanation: The VMware vStorage VI Web Service API reported an error with the specified message text.

System action: Processing stops.

User response: Check the dsmerror log file for additional information, and contact the IBM Tivoli Storage Manager administrator with the information provided in this message.

FMV9356E A VMware vStorage API error was reported.

Explanation: A VMware vStorage API was reported. See other messages displayed and logged for additional information about the problem.

System action: Processing stops.

User response: Check the dsmerror log file for additional information, and contact the IBM Tivoli Storage Manager administrator with the information provided in this message.

FMV9357E The dsmscout executable cannot be used on the user level.

Explanation: The dsmscout process is exclusively started by the dsmmonitord.

System action: TSM aborts the operation.

User response: None.

FMV9359W *program-name*: *file-system*: **high threshold** *high-threshold* **exceeds recommended maximum** *max-threshold* **maximum percentage.**

Explanation: System performance can be impacted. There can be delays from waiting for demand migration.

System action: Processing continues.

User response: Set the migration high threshold lower than the file system capacity.

FMV9360W *program-name*: *file-system*: **configured** *low-threshold* **low threshold is below the recommended minimum** *floor-percent* **low threshold.**

Explanation: TSM low threshold is not recommended to be less than teh minimum space required by this file system and may result in endless attempts to find migration candidates. Usage of the file system may be higher than the recommended minimum of low threshold on GPFS and Veritas because these types of file system allocate some space for metadata.

System action: Processing continues.

User response: Set the migration low threshold higher than the recommended-minimum size of the file system.

FMV9361W *program-name*: *file-system*: **the configured** *pre-mig* **premigration is greater than the difference between the configured** *low-threshold* **low threshold and the recommended-minimum size of the file system** *Min_size*.

Explanation: TSM premigration percentage below the low threshold may not leave sufficient space for the file system, and can result in endless attempts to find migration candidates. Usage of the file system may be higher than the recommended minimum of low threshold on GPFS and Veritas because these types of file system allocate some space for metadata.

System action: Processing continues.

User response: Lower the premigration setting.

FMV9362W *program-name*: *file-system*: **MAXFILES** *max-files* **is less than** *used inodes* **used inodes in the file system. MAXFILES will be set to the minimum possible value.**

Explanation: TSM The specified maxfiles value is below the number of files already existing in the file system. The value will be ignored, and CFI will default to the minimum possible size according to the number of currently used inodes.

System action: Processing continues.

User response: Increase the value of maxfiles.

FMV9363W *program-name*: *file-system*: **MAXFILES** *max-files* **is more than** *files* **total available inodes in the file system. MAXFILES will be set to the maximum possible value.**

Explanation: TSM The specified maxfiles value is above the number of available inodes in the file system. The value will be ignored, and CFI will default to the maximum size that corresponds to the number of available inodes.

System action: Processing continues.

User response: Decrease the value of maxfiles.

FMV9364E **Failure initializing virtual machine environment. Refer to dsmerror.log for detailed error messages.**

Explanation: Failure initializing virtual machine environment. Refer to dsmerror.log for detailed error messages.

System action: The backup can not continue.

User response: Refer to dsmerror.log for detailed error message.

FMV9365E **VMware vStorage API error for virtual machine '***VM-name***'. TSM function name :** *function-name* **TSM file :** *file-name* **(***line-number***) API return code :** *TSM-rc* **API error message :** *function-desc*

Explanation: None.

System action: Processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV9368W **WARNING: VMware Host Userid <***hostuserid***> read from pwd file different than VMCUSER option value <***vmcuserid***>. Using VMCUSER option value.**

Explanation: None.

System action: Processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV9369W **WARNING: VMware VirtualCenter or ESX Server User Password for VMC Host <***host***> VMC Userid <***userid***> set in options file.**

Explanation: None.

System action: Processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV9370W **Use Preferences Editor or dsmc SET PASSWORD -type=VM 'VirtualCenter hostname' 'userid' 'password' to save encrypted password.**

Explanation: The VMCPW option was found either in an option file or on the command line. While this method of entry is allowed, it presents a security risk because the password is in plain text and not encrypted.

System action: The option is accepted and the VMC password is used in the current session.

User response: To save the encrypted password, use the Preferences Editor VM Backup panel or the command: dsmc SET PASSWORD -type=VM 'VirtualCenter hostname' 'userid' 'password'

FMV9371I *program-name*: *file-system*: **The specified MAXFILES value is 0. The CFI size will be calculated automatically now.**

Explanation: TSM The specified maxfiles value is 0, which means that the CFI size is managed automatically now.

System action: TSM continues.

User response: none.

FMV9372E **Unable to create the virtual machine to be restored due to an invalid host name, datacenter name, or datastore name.**

Explanation: IBM Tivoli Storage Manager was unable to create the virtual machine to be restored because an invalid host name, datacenter name, or datastore name was specified. Check the dsmerror log file for information on the specific reason for the failure.

System action: Processing stops.

User response: Check the dsmerror log file for additional information, and contact the IBM Tivoli Storage Manager administrator with the information provided in this message.

FMV9373E **VMware vStorage API environment could not be found.Install the VMware VDDK and copy VMware runtime libraries from the VDDK bin directory to TSM baclient directory.**

Explanation: Failure initializing virtual machine environment.

System action: The backup can not continue.

User response: Make sure the VMware VDDK is installed and copy VMware runtime libraries from VDDK bin directory to TSM baclient directory.

FMV9374E **VMware vStorage virtual storage driver service is not running or could not be found. Make sure VMware 'vstor2-mntapi20-shared.sys' service is installed and running. Install the VMware vStorage API runtime files.**

Explanation: Failure initializing VMware vStorage API environment.

System action: The backup can not continue.

User response: Make sure the VMware 'vstor2-mntapi20-shared.sys' service is installed and running. Install the VMware vStorage API runtime files.

FMV9376W **Warning: VM Backup domain keyword '***domain-keyword***' specified which contains no virtual machines.**

Explanation: None.

System action: Processing stops.

User response: Ensure that the correct domain keyword value was entered.

FMV9377E ***string*** **command or the virtual machine domain list could not be processed.**

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

System action: Processing stops.

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

FMV9378E **Unexpected error while fingeprinting the data**

Explanation: There was an error while fingerprinting the data. See the error log for more information.

System action: The object is not backed up.

User response: Retry the operation. Retry the operation without client-side deduplication. If the problem persists, contact TSM technical support.

FMV9379E **Unexpected error while deduplicating the data**

Explanation: There was an error while deduplicating the data. See the error log for more information.

System action: The object is not backed up.

User response: Retry the operation. Retry the operation without client-side deduplication. If the

problem persists, contact TSM technical support.

FMV9380E **No virtual machine found processing *string* command.**

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

System action: Processing stopped.

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

FMV9381I **The value set for *vmlist* option will be migrated to the new *domain* option.**

Explanation: New option has been set.

System action: Processing continues.

User response: None.

FMV9383E **Required files for VMware vStorage virtual machine backup could not be found. Run the TSM install selecting the vmwaretools feature or install the VMware VDDK.**

Explanation: Failure initializing virtual machine environment.

System action: The backup can not continue.

User response: Run the TSM install selecting the vmwaretools feature. VMware.

FMV9384W **Unable to get VMware Changed Block Tracking(CBT) data for virtual machine '*virtual machine name*'. Full VM backup continues, and includes both used and unused areas of the disk.**

Explanation: IBM Tivoli Storage Manager was unable to obtain Changed Block Tracking(CBT) data for the specified virtual machine. The backup continues, but instead of backing up just the used blocks (in the full VM backup case), or just the changed blocks (in the incremental VM backup case), the entire virtual machine is backed up. This backup includes both the used and unused blocks of the disk.

System action: The backup continues.

User response: See the error log dsmerror.log for information about why the changed block data is not obtained.

FMV9385W **Error returned from VMware vStorage API for virtual machine '*VM-name*' in vSphere API function __ns2__QueryChangedDiskAreas. RC=*API return code*, Detail message: *API message***

Explanation: None.

System action: CBT processing stops.

User response: Contact the TSM administrator with the information provided in this message.

FMV9386W **Changed block tracking is not supported for virtual machine '*virtual machine name*'. A FULL backup of the disk will be performed and will include both used and unused areas of the disk.**

Explanation: IBM Tivoli Storage Manager was unable to obtain Changed Block Tracking(CBT) data for the specified virtual machine because changed block tracking is not supported. RDM disks in physical mode, virtual disks attached to shared virtual SCSI bus, and VMs with hardware version 6 or earlier are not supported. The backup continues, but instead of backing up just the used blocks (in the full VM backup case), or just the changed blocks (in the incremental VM backup case), the entire virtual machine is backed up. This backup includes both the used and unused blocks of the disk.

System action: The backup continues.

User response: See the error log dsmerror.log for information about why the changed block data is not obtained.

FMV9387W **An incremental backup for virtual machine '*virtual machine name*' is not possible because changed block information cannot be obtained. A full VM backup is attempted instead.**

Explanation: Changed block information is required to perform an incremental backup, but the information could not be obtained from the virtual machine. The information can be missing if two nodes back up the same virtual machine. One node runs a daily incremental backup, and the other node runs a weekly full backup. After the weekly full backup runs, the next daily backup cannot obtain changed block information, so a full backup is run instead of an incremental backup. Subsequent daily backups will be incremental until the next weekly full backup.

System action: The backup continues as a full backup instead of an incremental backup.

User response: Search the IBM Tivoli Storage Manager support site http://www.ibm.com/support/entry/portal/Overview/Software/Tivoli/Tivoli_Storage_Manager for this message number, for other possible causes of this error.

FMV9388E **The management class '*management class name*' specified for the '*option name*' option is invalid, or does not have a backup copy group.**

Explanation: The management class name for the specified option does not exist, or it exists but does not have a valid backup copy group.

System action: Processing stops.

User response: Verify that the specified management class name is valid, and that it contains a valid backup copy group.

FMV9389W **The DEDUP backup attempt was unsuccessful for virtual machine '*virtual machine name*'. Retry #*retry attempt number* with DEDUP disabled.**

Explanation: The attempt to backup the virtual machine with DEDUP enabled was unsuccessful. Instead of failing the backup right away, an attempt is being made to backup the virtual machine with DEDUP disabled.

System action: Processing continues with DEDUP disabled.

User response: Check the log files for messages as to why DEDUP failed. If future attempts to backup using DEDUP fail, contact your system administator.

FMV9390W **The DEDUP backup attempt was unsuccessful for virtual machine '*virtual machine name*'. Retry #*retry attempt number* with DEDUP still enabled.**

Explanation: The attempt to backup the virtual machine with DEDUP enabled was unsuccessful. Instead of failing the backup right away, an attempt is being made to retry the backup of the virtual machine with DEDUP still enabled.

System action: Processing continues with DEDUP still enabled.

User response: Check the log files for messages as to why DEDUP failed. If future attempts to backup using DEDUP fail, contact your system administator.

FMV9391W **Linux guest OS with EFI Boot enabled is not fully supported by TSM VMware backup. Manual steps may be required following restore to enable the virtual machine to power on correctly.**

Explanation: A restored Linux guest OS with EFI boot enabled may not successfully start. Manual steps are required to successfully boot the guest OS.

System action: Restore processing continues.

User response: Following guest OS restore: remove and reattach the guest Linux boot disk, select Guest Boot Option to enter EFI setup configuration on next boot, power on the guest, enter EFI Boot Maintenance, add Boot Device, select unnamed volume, give it a label, save and commit changes, continue with boot.

FMV9392W **No backupset name entered.**

Explanation: You must provide a backupset for this operation.

System action: Processing stops.

User response: Specify a valid backupset name.

FMV9393W **Incorrect backupset name entered.**

Explanation: The backupset name provided was invalid. Wildcards are not allowed.

System action: Processing stops.

User response: Specify a valid backupset name.

FMV9394W **No backupset file or device name entered.**

Explanation: You must provide a backupset file or device name for this operation.

System action: Processing stops.

User response: Specify a valid backupset file or device name.

FMV9395E **The filespace has been migrated to the incremental forever model; MODE=FULL and MODE=INCR are not valid.**

Explanation: You must run only incremental forever backup types (IFINCR or IFFULL) if the filespace has been migrated to the incremental forever type.

System action: Processing stops.

User response: Specify either MODE=IFFULL or MODE=IFINCR.

FMV9396W **Virtual machine '*VM*' is not running. IBM Tivoli Storage Manager Application Protection will not be used while backing up this VM.**

Explanation: IBM Tivoli Storage Manager Application Protection can only protect VMs that are running.

System action: IBM Tivoli Storage Manager Application Protection uses the VMWare tools to provide application consistency.

User response: Power on the virtual machine or exclude it from TSM application protection by removing the INCLUDE.VMTSMVSS option for this virtual machine. If you want logs to be truncated use

INCLUDE.VMTSMVSS to protect this machine.

FMV9397W **TSM application protection cannot protect this machine. Virtual machine '*VM*' does not have operating system or applications supported by TSM application protection.**

Explanation: The application protection can be used only for virtual machines that have operating systems or applications that are supported by IBM Tivoli Storage Manager application protection. Refer to the product documentation for the list of supported operating systems and applications.

System action: IBM Tivoli Storage Manager will use the VMware Tools to provide application consistency.

User response: Exclude the virtual machine from application protection by removing the INCLUDE.VMTSMVSS option for this virtual machine.

FMV9398E **IBM Tivoli Storage Manager application protection failed to initialize on virtual machine '*VM*'. See the error log for more details.**

Explanation: TSM application protection encountered an error during initialization.

System action: Processing stops.

User response: See the TSM error log for more details. Correct the error(s) and try the operation again.

FMV9399W *program-name*: **lock file access error for operation** *value* **on path** *value value* **with errno text** *value*.

Explanation: A lock file operation has failed.

System action: TSM logs the condition and continues processing, or exits if directory not found.

User response: Correct the configuration.

FMV9400W *program-name*: **Recovered** *program-name*. **The daemon was either not started or in corrupted state.**

Explanation: TSM HSM daemon breakdown with automatic recovery by the dsmwatchd.

System action: Restarting the daemon.

User response: Continue with normal operation.

FMV9401E *program-name*: **Cannot kill recall daemon.**

Explanation: TSM A request for killing the recall daemon failed. This may occur during node failover.

System action: none.

User response: Continue with normal operation unless further errors occur.

FMV9402E *program-name*: **Cannot notify** *process name* **to recover HSM operations on a failing node.**

Explanation: In order to assume the functionality of a failing partner node, the dsmwatchd daemon must notify the local daemons.

System action: none.

User response: Communication cannot be established with the HSM daemon specified in this message. Check whether the target daemon is running. Start or restart the target daemon as appropriate. If the problem persists, restart the GPFS cluster.

FMV9403E *program-name*: **The local HSM functionality cannot be recovered. Trying to initiate failover to another node.**

Explanation: TSM If the GPFS daemon crashes or the local HSM daemons cannot perform their function for whatever reason the dsmwatchd will try to migrate the functionality to another node.

System action: Migrate HSM functionality to another node.

User response: Check failure node. It may be necessary to recover the local GPFS daemon.

FMV9404E **Error creating the specified Virtual Machine. See log files for more information.**

Explanation: An error was encountered creating the Virtual Machine. Look in the dsmerror.log for additional information on why the Virtual Machine could not be created.

System action: Processing stops.

User response: Check the dsmerror.log for more specific messages on why the virtual machine could not be created.

FMV9405W *program-name*: **The takeover of** *filesystem* **file system started.**

Explanation: The local activation of the specified file system started successfully.

System action: TSM on the local node will try to activate the file system that is space managed on another node.

User response: None.

FMV9410W **VMware Tools are either not runnning or out-of-date on virtual machine '*VM*'. IBM Tivoli Storage Manager application protection cannot be used.**

Explanation: IBM Tivoli Storage Manager application protection requires that VMware tools are installed and running with an up-to-date version on the virtual machine.

System action: TSM will not provide application consistency. Application logs are not truncated.

User response: Install and/or upgrade and/or start VMware Tools on the virtual machine or exclude it from the application protection by removing the INCLUDE.VMTSMVSS option for this virtual machine.

FMV9411E **VSS provider registration failed. Command '*command*' failed with Windows RC=*return code***

Explanation: IBM Tivoli Storage Manager was unable to register the VSS provider on the virtual machine.

System action: Processing stops.

User response: Restart the virtual machine and try the operation again.

FMV9412E *program-name*: **Failover is disabled on the local machine. Aborting failover ...**

Explanation: TSM Failover operations were disabled either by the system or the user.

System action: None.

User response: Check failover policy if necessary.

FMV9413W *program-name*: **The remote node was able to recover from failure situation. Aborting takeover ...**

Explanation: The remote dsmwatchd was able to recover from the failure situation during the local takeover operation.

System action: None.

User response: Check failure node for consistency.

FMV9414E *program-name*: **Unable to create** *file-name* **in the SDR. Aborting ...**

Explanation: An update of an SDR object failed.

System action: Aborting operation.

User response: Check SDR consistency.

FMV9415E **Failed to copy '*source*' to '*destination*' with VMware RC=*rc* on the virtual machine.**

Explanation: IBM Tivoli Storage Manager was unable to copy a file to the virtual machine.

System action: Processing stops.

User response: Verify that the source file exists and the destination is accessible. Restart the virtual machine and try the operation again.

FMV9416E **Cannot create the directory '*source*' on the virtual machine with Windows RC=*rc***

Explanation: IBM Tivoli Storage Manager client was unable to create the specified directory on the virtual machine. It is possible that the directory exists and is locked by a process.

System action: Processing stops.

User response: Verify the the specified directory does not exist on the virtual machine. Restart the virtual machine and try the operation again.

FMV9417E **IBM Tivoli Storage Manager application protection could not freeze the VSS writers on the virtual machine named '*VM*'. See the TSM error log for more details.**

Explanation: IBM Tivoli Storage Manager application protection encountered an error while freezing the VSS writers.

System action: Processing stops

User response: Use the 'vssadmin list writers' command to determine if any VSS writers detect errors on he virtual machine. Restart the VM. Retry the operation. If the retry fails, see the error log for details about the errors.

FMV9418W *program-name*: **Cannot access the GPFS SDR for writing. It might be locked, or the var filesystem might be full.**

Explanation: The GPFS configuration is stored in the SDR. This file can be accessed as soon as it is possible to set a certain SDR lock. If a second process holds this lock, access to the file is denied until the lock is released. Use the GPFS command - mmcommon showLocks - to show which process holds the lock currently.

System action: None.

User response: Wait. If the situation does not get resolved within a reasonable amount of time (about 1 min.), examine the var file system. If it is full, free up some space. Otherwise use the command dsmmigfs SDRreset. This command resets all activated locks in

the SDR for the local GFPS node set.

FMV9419E *program-name*:**The filesystem** *filesystem-name* **is either already managed locally or under the control of a remote HSM instance.**

Explanation: A GPFS filesystem can be managed just once.

System action: Aborting operation.

User response: Execute dsmmigfs query -detail to have a look at the current HSM configuration within the local GFPS node set.

FMV9420E *program-name*: **An update of the configuration files in the SDR is not allowed as long as failover is disabled on the local machine.**

Explanation: You cannot update configuration files in the SDR when failover is disabled on the local machine.

System action: TSM Aborting operation.

User response: Do nothing, or activate failover by using dsmmigfs enableFailover before running dsmmigfs SDRupdate.

FMV9421W *program-name*: **Recovered from Lock on SDR File** *file-name*

Explanation: This output relates to FMV9418W. A previously blocked SDR file got unlocked.

System action: TSM continues.

User response: None.

FMV9422W *program-name*: **The rollback of** *filesystem* **file system started.**

Explanation: The local activation of the specified file system started successfully.

System action: TSM on the local node will try to activate the file system that is space managed on another node.

User response: None.

FMV9423E *program-name*: **Setting the default partition name failed! Aborting operation ...**

Explanation: The application needs to have access to the SP Group Services. In this context it tries to extract the default partition name for the local system as provided by spget_syspar. The data extraction failed.

System action: Aborting operation.

User response: Check node consistency.

FMV9424E *program-name*: **It was not possible to send a message to the SP Group Services. This is a severe error.**

Explanation: The Failover environment requires proper access to the SP Group Services. The distribution of a message failed.

System action: Aborting operation.

User response: If the problem persists, verify SP Group Service is accessible and is not overwhelmed. If the problem persists, reboot the GPFS cluster.

FMV9425E *program-name*: **It was not possible to notify the dsmwatchd in order to distribute a message within the failover group. The data of the current operation may get lost.**

Explanation: Some HSM commands need to inform the dsmwatchd about the current operation. This notification failed.

System action: Aborting operation.

User response: Restart the GPFS daemon and check that the DMApi support is active by executing /usr/lpp/mmfs/bin/mmlsfs deviceName.

FMV9428E *program-name*: **The takeover of** *filesystem* **file system failed to start.**

Explanation: The local activation of the specified file system failed to start. Please, note that only file systems which are space managed on another node within the same cluster can be taken over. Additionally, the file system must be mounted locally.

System action: TSM will not take over the file system.

User response: Make sure the file system is mounted locally and managed with the TSM client for space management on another node within the same cluster and retry the operation.

FMV9431E **IBM Tivoli Storage Manager application protection failed to thaw VSS writers on virtual machine '***VM***'. See the TSM error log for more details.**

Explanation: IBM Tivoli Storage Manager application protection encountered an error while thawing VSS writers.

System action: Processing stops

User response: See the error log for more details. Verify that all VSS writers are not reporitng errors by running command 'vssadmin list writers'. Restart the virtual machine and try the operation again. If the retry fails, see the error log for details about the errors.

FMV9432W **IBM Tivoli Storage Manager application protection failed to truncate application logs on virtual machine '*VM*'.**

Explanation: IBM Tivoli Storage Manager application protection encountered an error while completing VSS backup operation. The applications were successfully quiesced, but their logs were not truncated.

System action: Application logs are not truncated.

User response: See the TSM error log for more details. Verify that all VSS writers are not reporting errors by running command 'vssadmin list writers'. Restart the virtual machine and try the operation again. If the retry fails, see the error log for details about the errors. On the guest VM, verify that a mounted volume is not online. Use the Recovery Agent to dismount and remove any existing mount directories. Then, try the backup operation again.

FMV9433E *program-name*: **dm_send_msg failed with errno** *Errno*.

Explanation: Unable to execute DMApi call.

System action: Aborting operation.

User response: Check consistency of the GPFS daemon.

FMV9442E *program-name*: **It appears that another dsmmigfs add/rem/update command is in process within the local GPFS nodeset. Please wait a few moments, then repeat the operation. If a previous dsmmigfs command was aborted, there could be a stale lock in the SDR. If so, run dsmmigfs SDRreset to fix the problem.**

Explanation: There can only be one instance of dsmmigfs add/rem/update running within a GPFS nodeset at the same time.

System action: Aborting operation.

User response: Wait for a bit and try again. If no other instance of dsmmigfs is running within the local GPFS nodeset run dsmmigfs SDRreset.

FMV9443E *program-name*: **The operation cannot be executed in a deactivated failover environment.**

Explanation: The operation relies on an active failover environment.

System action: Aborting operation.

User response: Run dsmmigfs enableFailover on the local node and repeat the operation.

FMV9449W *program-name*: **Forced deactivation of the local failover environment!**

Explanation: TSM Failover was initiated or a problem with the group services occurred.

System action: Continuing failover or aborting operation.

User response: Check HSM and SP Group Services environments. Execute dsmmigfs enableFailover after resolving the problem.

FMV9450W *program-name*: **No eligible filesystem for takeover.**

Explanation: None of the locally mounted GPFS filesystems matches with the remotely managed filesystems of the failure node.

System action: Aborting takeover operation.

User response: Check that the filesystems of the remote failure node get managed elsewhere within the node set.

FMV9451E *program-name*: **GPFS or the SP switch is down locally. Aborting takeover activities ...**

Explanation: TSM GPFS is not functional locally.

System action: Aborting takeover operation.

User response: Check switch and VSD status. The local system must be unfenced.

FMV9452E *program-name*: **The DMApi is not functional locally. Aborting takeover activities ...**

Explanation: The operation stopped because the DMApi interface is not accessible.

System action: Aborting takeover operation.

User response: Check GPFS status.

FMV9453E *program-name*: **Could not determine the GPFS storage pool id for file '*file-path*'. Reason:** *reason*

Explanation: The processed file does not exist or is located on a file system without storage pool support.

System action: The requested operation stops.

User response: Please check the input parameters and if DMAPI is enabled on the file system.

FMV9454W *program-name*: **Performing synchronization between the local and global file event handling.**

Explanation: The local node received a request from a remote node to synchronize with the global file event handling (DMApi event disposition).

System action: Synchronization proceeds.

User response: None.

FMV9455E *program-name*: **Unable to join the local failover group with rc=***return-code*!

Explanation: SP Group services reported a problem accessing/creating an HSM group.

System action: Aborting operation.

User response: Check PSSP environment on the local node.

FMV9457E *program-name*: **Could not determine the storage pools of file system '***file-system*'. **Reason:** *reason*

Explanation: The specified file system is not a GPFS file system or has an old GPFS version.

System action: The requested operation stops.

User response: Please update to a supported version of GPFS.

FMV9458I *program-name*: **Responsiveness Service successfully started.**

Explanation: Starting and joining the Responsiveness Service to monitor other nodes for failover was successful. The node will now try to establish a connection to the service of other nodes.

System action: Processing continues.

User response: None.

FMV9459E **Using the specified MAXCANDIDATES parameter would produce an out-of-space condition in the parent filesystem of /etc/adsm/SpaceMan/candidatesPool. Based on the current free space situation the maximum value for the MAXCANDIDATES parameter is** *value*.

Explanation: TSM The automigration candidate pools for the selected filesystem require MAXCANDIDATES/10 KB plus a safety buffer of 5 MB of memory under /etc/adsm/SpaceMan/candidatesPool, which exceeds the available space.

System action: TSM Abort operation.

User response: Increase the filesystem size or choose a smaller value for the MAXCANDIDATES parameter. You may also create a dedicated filesystem with sufficient space for the migration pools under /etc/adsm/SpaceMan/candidatesPool. Kill the dsmscout processes after performing this option.

FMV9462E **Failover functionality is not supported with this HSM release.**

Explanation: The TSM user ran dsmmigfs with the failover flag on an unsupported platform.

System action: TSM ends the operation.

User response: None.

FMV9469E **Warning! Unable to write a complete migration candidate list due to low space in the parent filesystem of** *name*.

Explanation: TSM Low space in filesystem which stores the migration candidates files.

System action: TSM The executable writes a partial migration candidates list.

User response: Increase the filesystem size or create a dedicated filesystem with sufficient size under the given path.

FMV9472I *program-name*: **Updating failover information for Node ID:** *node*

Explanation: Failover status information for remote node was updated.

System action: This message is for informational purposes only.

User response: No action is required.

FMV9474E *program-name*: **Lost my session with errno:** *errno* **. Trying to recover.**

Explanation: The DMAPI session is not valid.

System action: Trying to recover session.

User response: Check the failure node. You might have to recover the local GPFS daemon.

FMV9475W **IBM Tivoli Storage Manager application protection failed to cleanup after a VSS backup on virtual machine** *VM*.

Explanation: IBM Tivoli Storage Manager application protection encountered an error while cleaning up after a VSS backup operation.

System action: None

User response: See the TSM error log for more details. Restart the virtual machine and try the operation again. If the problem persists, contact IBM technical support for further assistance.

FMV9476I *program-name*: **Recovered my DM session** *sid*.

Explanation: DMAPI session is recovered.

System action: This message is for informational purposes only.

User response: No action is required.

FMV9480E *program-name*: **The rollback of** *filesystem* **file system failed to start.**

Explanation: The local activation of the specified file system failed to start. Please, note that a rollback can only be performed after the space management of the file system was moved from the local node to another node during failover. Additionally, the file system must be mounted locally.

System action: TSM will not roll back the file system.

User response: Make sure the file system is mounted locally and managed with the TSM client for space management on another node within the same cluster and retry the operation.

FMV9487W *program-name*: **cannot query the right on session** *session* **for file handle =** *filehandle* **token =** *token*. **Reason :** *error*

Explanation: TSM space management cannot query the right on a file.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9488E Java Runtime Environment (JRE) was not found. File *VM* **does not exist.**

Explanation: JRE was not found in the TSM installation directory.

System action: Processing stops

User response: Re-install the product or install a required version of JRE and try again. If JRE is already installed on your machine, then make sure the PATH environment variable contains path to javaw.exe.

FMV9489E Java Runtime Environment (JRE) was not found.

Explanation: JRE was not found.

System action: Processing stops

User response: If you have already installed JRE, please verify that the \"java\" executable is set in the system PATH, otherwise install the required JRE version.

FMV9490E Cannot find httpagent.jar in the TSM client installation directory.

Explanation: The required file was not found.

System action: Processing stops

User response: Re-install the product or install a required version of JRE and try again.

FMV9491E The password credentials for virtual machine '*guest VM name***' could not be found. Use dsmc SET PASSWORD -type=VMGUEST 'VM guest name' 'userid' 'password' to save encrypted password.**

Explanation: The required password was not found.

System action: Processing stops

User response: Use dsmc SET PASSWORD -type=VMGUEST 'VM guest name' 'userid' 'password' to save encrypted password. And then retry the 'backup vm' operation.

FMV9492E Destination size is not equal to source

Explanation: The space allocation for the selected destination is not the same as the source.

System action: The restore operation is not performed.

User response: Choose a different destination which is equal in size to the source.

FMV9493E The credentials found for virtual machine '*guest VM name***' are incorrect. Verify the credentials and use dsmc SET PASSWORD -type=VMGUEST 'VM guest name' 'userid' 'password' to update the username and password.**

Explanation: The supplied credentials are incorrect. Failed to authenticate to guest VM using these credentials.

System action: Processing stops

User response: Use dsmc SET PASSWORD -type=VMGUEST 'VM guest name' 'userid' 'password' to update the username and password. And then retry the 'backup vm' operation.

FMV9494E Command '*command***' completed with RC=***return code* **on virtual machine '***guest VM name***'.**

Explanation: A remote command either timed out or failed.

System action: Processing stops

User response: Increase the value of VMTIMEOUT option and try the operation again.

FMV9495E **Failed to login to virtual machine '*guest VM name*' because the VMware Tools are not running in the guest machine. Verify that the VMware tools are running and that no other program has access or is making any changes to this VM.**

Explanation: Failed to login to virtual machine because the VMware Tools are not running in the guest machine.

System action: Processing stops

User response: Make sure that the VMware tools are running and that no other program has access or is making changes to this VM. And then retry the 'backup vm' operation.

FMV9496E **Unable to lock virtual machine *VM* for application protection.**

Explanation: The virtual machine is being backed up by another process. Only one process is allowed to use TSM application protection during a backup of a virtual machine at a time.

System action: Processing stops

User response: There is already another virtual machine backup in process via another datamover. Please wait for the other virtual machine backup to complete and re-try the operation. Or there was a crash or CTRL+C during the previous virutal machine backup. Please wait 10 minutes and re-try the operation.

FMV9497W **Virtual machine '*VM*' resides on an ESX Server or vCenter that is not supported by TSM application protection. IBM Tivoli Storage Manager application protection will not be used.**

Explanation: Refer to the product documentation for the list of supported ESX and vCenter versions.

System action: IBM Tivoli Storage Manager will use the VMware Tools to provide application consistency.

User response: Exclude the virtual machine from application protection by removing the INCLUDE.VMTSMVSS option for this virtual machine.

FMV9498W **A valid IBM Tivoli Storage Manager for Virtual Environments license file (*license-file*) cannot be located. IBM Tivoli Storage Manager application protection will not be used.**

Explanation: The license file was not found, or cannot be opened because of permissions, or the file is corrupted.

System action: IBM Tivoli Storage Manager will use the VMware Tools to provide application consistency.

User response: Check permissions on file. See if the license file is in the correct place.

FMV9499W **VMware tools on virtual machine '*VM*' need to be updated. IBM Tivoli Storage Manager application protection will not be used.**

Explanation: IBM Tivoli Storage Manager application protection requires that VMware Tools are up to date.

System action: IBM Tivoli Storage Manager will use the VMware Tools to provide application consistency.

User response: Update VMware Tools on the virtual machine

FMV9500W *program-name*: **cannot disposition the mount event. Reason:** *error*

Explanation: The system wide mount event could not be dispositioned. Mount events will not be received by this daemon.

System action: TSM continues.

User response: Try to resolve the problem and restart the recall daemon. If the problem cannot be resolved immediately, kill and restart the recall daemon after an TSM space management supported file system has been added using dsmmigfs or after a file system has been mounted using the mount command.

FMV9501W *program-name*: **cannot set event disposition on session** *session* **for file system** *mountdir* **token =** *token*. **Reason :** *error*

Explanation: Events could not be dispositioned on the file system. No events will be received for this filesystem. HSM is not enabled for this file system.

System action: TSM continues.

User response: The file system must be one of the supported native file systems in order for the TSM space management to support it. Verify that the mount options the file system are correct. Correct the problem and remount the file system.

FMV9502W *program-name*: **cannot remove event disposition on session** *session* **for file system** *mountdir* **token =** *token*. **Reason :** *error*

Explanation: Event dispositions could not be removed from the file system.

System action: TSM continues.

User response: Verify that the file system is mounted and that dmapi is enabled on that file system. If the problem persists, unmount and remount the file

system, then try the operation again. If the problem still persists, reboot the system.

FMV9503I *program-name*: **events have been set and dispositioned on session** *session* **for file system** *filesystem-name*

Explanation: Setting events and dispositioning these on a DM session enables the file system for TSM space management support.

System action: TSM continues.

User response: Continue with normal operation.

FMV9504W *program-name*: **The file system** *filesystem-name* **is not mounted or is mounted with wrong options.**

Explanation: Either the file system is not mounted or it has been mounted with incorrect options.

System action: TSM continues.

User response: Mount the file system or remount it with corrected mount options.

FMV9505E *program-name*: **cannot initialize the DMAPI interface. Reason:** *error*

Explanation: TSM client failed to perform implementation-defined initialization of the DMAPI interface.

System action: The dm_init_service() function failed.

User response: If you are running TSM as a non-root user and you have TSM space management client installed, please, make sure that the dsmrootd daemon is up and running, then retry the operation. If you don't have TSM space management client installed, retry the operation under the root user authority.

FMV9506E *program-name*: **The provided filespace argument '***argument***' has an invalid format.**

Explanation: Occurs if you are on a GPFS file system and the file system parameter was not in the correct format.

System action: The requested operation stops.

User response: See the dsmautomig documentation for the correct syntax.

FMV9507E *program-name*: **cannot request the right on session** *session* **for file handle** *filehandle* **token =** *token*. **Reason :** *error*

Explanation: TSM space management cannot request the required right on a file.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9508W *program-name*: **cannot release the right on session** *session* **for file handle =** *filehandle* **token =** *token*. **Reason :** *error*

Explanation: TSM space management cannot release the right on a file.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9509W *program-name*: **received an unexpected event of type** *event-type* **on session** *session*.

Explanation: TSM space management daemon received an unexpected event. This event has not been dispositioned.

System action: TSM ignores event and continues.

User response: Continue with normal operation.

FMV9510E *program-name*: **cannot get event messages from session** *session*, **expected max message-length =** *msglen*, **returned message-length =** *return-length*. **Reason :** *error*

Explanation: TSM space management encountered an error while trying to receive a message on a DM session.

System action: TSM continues.

User response: Continue with normal operation.

FMV9511E *program-name*: **cannot read DM attributes on session** *session* **for file: name =** *name* **handle =** *handle* **token =** *token*. **Reason :** *error*

Explanation: TSM space management cannot read the DM attributes of a DM object, usually a file. If the file name is not available, it will be displayed as an empty string or as <NA>.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9512E *program-name*: **cannot set DM attributes on session** *session* **for file handle =** *filehandle* **token =** *token*. **Reason :** *error*

Explanation: TSM space management cannot set DM attributes for a DM object, usually a file.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9513E *program-name*: **cannot remove DM attributes on session** *session* **for file handle =** *filehandle* **token =** *token*. **Reason :** *error*

Explanation: TSM space management cannot remove DM attributes for a DM object, usually a file.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9514E *program-name*: **cannot create a file handle from** *path*. **Reason:** *error*

Explanation: TSM space management cannot create a file handle from the given file.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9515E *program-name*: **cannot set the migration information. Reason:** *error*

Explanation: TSM space management cannot set the migration information of a file, because space management cannot create a file handle from the file and/or from the file system.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9516E *program-name*: **cannot create an user event message on session** *session*. **Reason:** *error*

Explanation: TSM space management cannot create an user event message, needed to reference rights on a file to be processed.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9517I *program-name*: **cleared event messages from session** *session*. **Reason:** *error*

Explanation: TSM space management is in the process of destroying a DM session. There are still unexpected event messages on this session that were responded to.

System action: TSM DM session is not destroyed.

User response: This message is informational. If the session could not be destroyed, try the operation again. If the problem persists, reboot the system.

FMV9518E *program-name*: **cannot respond to an event message on session** *session* **using token** *token* **Reason :** *error*

Explanation: An event message could not be responded to (returned to the system).

System action: TSM space management continues.

User response: If a user process is unexpectedly blocked and cannot be killed, see your system administrator.

FMV9519W *program-name*: **cannot set eventlist for a file system on session** *session* **token =** *token* **fs-handle =** *fs-handle*. **Reason :** *error*

Explanation: An eventlist could not be set on a file system. None of the events will be generated by the system on this file system.

System action: TSM space management continues.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, reboot the system.

FMV9520E *program-name*: **cannot set a managed region on session** *session* **for file handle =** *filehandle* **token =** *token*. **Reason :** *error*

Explanation: A managed region could not be set on a file. No events will be generated for this file.

System action: Processing of the file is interrupted.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, reboot the system.

FMV9521E *program-name*: **cannot get the file attributes on session** *session* **for file handle =** *handle* **token =** *token*. **Reason :** *error*

Explanation: TSM space management cannot read the attributes of a file.

System action: Processing of the file is interrupted.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, reboot the system.

FMV9522E *program-name*: **can not create a file system handle from** *path*. **Reason:** *error*

Explanation: TSM can not create a file system handle from the file system name. If Reason is Operation not permitted, the dmapi functionality may be disabled for the file system.

System action: Processing of the file system is interrupted.

User response: If Reason is Operation not permitted, enable dmapi functionality for the file system and retry.

FMV9523E *program-name*: **is unable to verify the stub size for the file on session** *session* **file handle =** *filehandle* **token =** *token*. **Reason :** *error*

Explanation: A correct stub size could not be determined by the system.

System action: TSM stops migration of the file.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9524W *program-name*: **adjusted stubsize to an allowed value on session** *session* **file handle =** *filehandle* **token =** *token* **old stubsize =** *old-size* **new stubsize =** *new-size*

Explanation: The predefined stubsize for the file should be corrected to accommodate to the boundary and rounding constraints imposed by the DMAPI implementation. TSM space management can also change the stubsize during migration if the predefined stubsize value is larger than the logical file size.

System action: TSM space management continues.

User response: Continue with normal operation.

FMV9525E *program-name*: **is unable to create a stub file on session** *session* **for file handle =** *handle* **token =** *token*. **Reason :** *error*

Explanation: An error occurred while creating a stub file.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9526E *program-name*: **cannot open the state file** *filename* **for writing. Reason:** *error*

Explanation: The global or file system state file could not be opened.

System action: TSM stops processing.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9527E *program-name*: **cannot write to the state file** *filename*. **Reason:** *error*

Explanation: TSM space management could not write to the state file.

System action: TSM stops processing.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9528W *program-name*: **cannot read from the state file** *filename*.. **The file is corrupted and will be recreated.**

Explanation: TSM space management could not read from the state file.

System action: TSM stops processing.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9529W *program-name*: **cannot obtain the handle of a file system state file**

Explanation: TSM space management could not find the handle of a file system state file that is stored in the global state file. This can occur if either space management is querying a file system that has no HSM support added, or the file system state file is corrupted, or the global state file is corrupted.

System action: TSM continues or stops processing, depending on the situation.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9530W *program-name*: **cannot remove an entry for** *file-system* **from the global state file.**

Explanation: The entry for the file system in the dmiFSGlobalState file cannot be removed. Possible reasons:

- There is not enough memory to create temporary file name for temporary file system table.
- There is not enough free space or inodes to create temporary file system table
- The real or temporary file system table files cannot be opened.

System action: TSM does not remove the entry from the global state file.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9531E *program-name*: **cannot create a DM session: old session =** *oldsession* **session info =** *session-info*. **Reason :** *error*

Explanation: TSM space management could not create a DM session.

System action: TSM stops processing.

User response: Try the operation again. If the problem persists restart the system.

FMV9532W *program-name*: **cannot destroy the session** *session*. **Reason:** *error*

Explanation: TSM space management could not destroy a DM session.

System action: TSM continues.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9533W *program-name*: **failed getting all sessions. Reason:** *error*

Explanation: TSM space management could not get all DM sessions on the system.

System action: TSM stops processing.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9534W *program-name*: **cannot query a session. Reason:** *error*

Explanation: TSM space management could not query a DM session on the system.

System action: TSM continues.

User response: Continue with normal operation.

FMV9535E *program-name*: **a file handle could not be created from the file descriptor** *file-descriptor*. **Reason:** *error*

Explanation: TSM space management could not create a file handle.

System action: Processing of the file is interrupted.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9536E *program-name*: **cannot query an event message on session** *session*. **Reason:** *error*

Explanation: TSM space management cannot query an event message, needed to determine whether nfs call.

System action: Processing of the file is interrupted.

User response: Continue with normal operation.

FMV9537E *program-name*: **Invalid storage pool '***storagepool***' for file system '***filesystem***'.**

Explanation: No storage pool with that name exists on the specified file system.

System action: The requested operation stops.

User response: Please make sure the storage pool exists on the specified file system.

FMV9538W *program-name*: **request** *request* **for DM file attributes not recognized**

Explanation: An unknown request type has been encountered that cannot be handled.

System action: TSM continues.

User response: Continue with normal operation.

FMV9539E *program-name*: **cannot create a file system handle from the file handle =** *filehandle*. **Reason :** *error*

Explanation: A file system handle could not be created from a file handle.

System action: TSM continues.

User response: Continue with normal operation.

FMV9542E *program-name*: **the file attributes could not be set on session** *session* **for file handle =** *filehandle* **token =** *token* **flag =** *flag* **Reason :** *error*

Explanation: TSM space management could not update file attributes.

System action: Processing of the file is interrupted.

User response: Try the operation again. If the problem persists, verify that the file system is mounted with dmapi enabled. If the problem still persists, restart the system.

FMV9543W *program-name*: **The TSM client needs** *blocks-num1* **free file system blocks to be able to handle the nospace condition on file system** *filesystem-name*, **errno:** *error-num*, **reason:** *error-str*. **Currently** *blocks-num2* **blocks with a block size of** *block-size* **bytes are available.**

Explanation: Either the TSM client is not able to get status information for the file system or there is insufficient space in the file system. The message reports zero blocks if the file system status information is not available.

System action: TSM continues.

User response: If there is insufficient space in the file system, free the required space or increase the file

system capacity. If this is due to an input output error, perform an appropriate file system check (e.g. fsck). Then try the operation again.

FMV9545E *program-name*: **cannot get a lock for** *lockdirlockfile* **to continue processing.**

Explanation: TSM space management could not obtain a lock for a file.

System action: processing stops.

User response: Try the operation again. If problem persists, restart HSM. If problem still persists, restart the system.

FMV9546E **IBM Tivoli Storage Manager cannot perform instant restore because Microsoft Active Directory Domain Controller was detected on virtual machine.**

Explanation: The virtual machine contains Microsoft Active Directory Domain Controller. It cannot be recovered using instant restore.

System action: Processing stops.

User response: Use a regular restore to recover the virtaul machine.

FMV9548W **Cannot complete remote file access for inode:'***inode number***', alias:'***file name***'.**

Explanation: TSM space management cannot complete the remote file access. The file may be migrated to an TSM migration server that could be temporarily unavailable. The file may be an orphan stub.

System action: TSM terminates the current operation.

User response: Check to see whether the server has been disabled by the system administrator, then retry the operation. To check whether the file is an orphan stub or not, run dsmreconcile for the affected file system. Note: the file alias may be displayed as 'unavailable' if the connection to server is unavailable or 'orphan' if the appropriate file copy cannot be located on a particular migration server.

FMV9550W **File recall has been discontinued.**

Explanation: Recall stops because the file being recalled would cause the file system to run out of space.

System action: TSM terminates the current operation.

User response: Increase the file system space, or remove unneeded files, or wait until space management has migrated files off the file system by demand or threshold migration, or manually migrate files. Then retry the operation.

FMV9552E *program-name*: **cannot add space management to** *file-system*; **path includes non-local file system.**

Explanation: An attempt was made to add space management to a file system whose path contains non-local elements.

System action: Processing stopped.

User response: File system must be entirely local.

FMV9553I **Wrote temporary candidates list to** *file-name*.

Explanation: Due to out of space condition, the candidates list was written to the named temporary file.

System action: Temporary file created.

User response: Temporary file can be copied to the appropriate .SpaceMan directory when space is made available.

FMV9554E *program-name*: *command* **for file system** *mountdir* **Reason :** *error*

Explanation: An attempt to enable or disable xdsm api functionality on the file system failed. If the attempt was to enable HSM, then HSM is not enabled for this file system.

System action: TSM continues.

User response: The file system must be of type JFS2 in order for the TSM Space Management to successfully set the managed attribute. Verify that the file system is of the correct type.

FMV9555E **Guest name** *VM* **does not match any virtual machines.**

Explanation: TSM application protection requires the guest name to match a virtual machine.

System action: Processing stops

User response: Check the guest name and make sure it is spelled correctly.

FMV9556E **Number of CTL files on disk (***number of CTLs on disk***) do not match the expected value (***number of CTLs in cache***).**

Explanation: The number of CTLs files counted in VCM lib cache should be equal to that in the local disks.

System action: Processing is aborted.

User response: None.

FMV9576E Not enough space in filesystem to create meta data file!At least *space* space required!

Explanation: A disk full error occurred attempting to create the metadata file. Please migrate some files in filesystem to free at least *space* kb.

System action: Processing stops.

User response: None.

FMV9577E An exception "*msg*"!Unable to use meta file!

Explanation: An internal error occurred. The dsmscout is unable to use the meta data file!

System action: Processing stops.

User response: None.

FMV9578E An unknown error occurred!

Explanation: An internal error has occurred. The dsmscout is unable to use the meta data file! The file has been deleted. A new meta data file will be created.

System action: Processing stops.

User response: None.

FMV9590E The SOAP error information: *message* failed, reason: *message*

Explanation: The detailed SOAP error message is created from gSOAP communication module and does not exist in the chosen language!

System action: TSM continues.

User response: Verify your system and retry the operation.

FMV9591E A SOAP UDP connection error has happened!

Explanation: The SOAP communication system had an UDP error. Please see errorlog file for more detailed information!

System action: TSM aborts the operation.

User response: None.

FMV9592E A SOAP TCP connection error has happened!

Explanation: The SOAP communication system had an TCP error. Please see errorlog file for more detailed information!

System action: TSM aborts the operation.

User response: None.

FMV9593E A SOAP HTTP communication error has happened!

Explanation: The SOAP communication system had an HTTP error. Please see errorlog file for more detailed information!

System action: TSM aborts the operation.

User response: None.

FMV9594E An internal SOAP error has happend!

Explanation: The SOAP communication system had an internal error. Please see errorlog file for more detailed information!

System action: TSM aborts the operation.

User response: None.

FMV9595E The SOAP communication system is out of memory!

Explanation: The SOAP communication system had an memory error. Please see errorlog file for more detailed information!

System action: TSM aborts the operation.

User response: None.

FMV9596E The SOAP communication ended unexpected!

Explanation: The SOAP communication system had an EOF error. Please see errorlog file for more detailed information!

System action: TSM aborts the operation.

User response: None.

FMV9613E *program-name*: Stub size of *stubsize* bytes is not supported on *filesystem*.

Explanation: The given stub size value not a multiple of the file system block size and cannot be supported.

System action: The program aborts the operation.

User response: Use a correct stub size.

FMV9616E *program-name*: cannot get migration information for *migrated-file-alias* on *file-system-name*

Explanation: TSM space management cannot access the specified file system object using the system DMAPI functions. This condition might occur if DMAPI support is not enabled for the file system, or if there is an inconsistency in the file system. This message is typically preceded by other messages that have more specific information about the error.

System action: Processing of the file is interrupted.

Processing continues with the next file.

User response: Review dsmerror.log for preceding messages that might have more specific information about the error. Verify that the file system is consistent and mounted with DMAPI support enabled. Then retry the operation. If the problem persists, contact IBM technical support for further assistance.

FMV9641S **Invalid option '*option*' found in options file '*file-name*' at line number : *number* Invalid entry : '*entry*'**

Explanation: The specified *option* in the TSM options file (*file-name*) is in error.

System action: Processing stopped.

User response: Correct the options file entry.

FMV9645W **The vApps backup operation completed. However, one or more vApp backups failed.**

Explanation: There were successfull vApp backups but there were backup failures as well. The operation is considered successfull.

System action: The backup operation completed successfully.

User response: Check the console output and error logs for information about why the backups failed. Correct any issues and try backing up the failed vApps again.

FMV9669W *program-name*: *file-system* **CFI is out of range.**

Explanation: TSM CFI is out of range on the specified file system. The scout daemon could not insert a new file entry into the CFI during the file system scan. As a result, it may not provide enough candidates for the next automigration.

System action: Processing continues.

User response: Please, reconsider the MAXFILES option setting for the file system. The CFI size should likely be increased via 'dsmmigfs update /fs -MAXFiles=n' command.

FMV9674W **One or more of the required vApps could not be retreived.**

Explanation: Not all of the vApps that were required by the given specification could be retreived. This can be caused by a change in the vCD vApps definition or a user mistake in the provided vApp spec.

System action: The operation will proceed, as there are still existing items to operate on.

User response: Check the provided vApps specification to make sure the specification matches the existing configuration. Correct any issues and try the operation again.

FMV9733E **File: *File-name* excluded by the Include/Exclude list**

Explanation: You tried to back up the named *file-name* that was specified to be excluded from backup.

System action: TSM did not back up the file.

User response: Specify the file using the Include option and retry the operation.

FMV9734E **There are *number* file(s) not selected. Click on file to find out reason.**

Explanation: There are files that cannot be selected.

System action: These files will not be selected for migrate or recall.

User response: Click on the files to find out the reason these files are not selected, for example, inclexcl list.

FMV9735E **Error doing realtime initialization**

Explanation: TSM ran out of resource (either processes or shared storage) that prevents it from starting a migrate or recall operation. Your file selections remain intact. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot start the migrate or recall operation.

User response: Use the HSM Unix shell commands instead.

FMV9736E **Not enough memory for authorization list table**

Explanation: TSM cannot allocate enough storage for the authorization list. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot complete the requested operation.

User response: Use the HSM Unix shell commands instead.

FMV9737E **Authentication failed -- Exit TSM to retry**

Explanation: You typed an incorrect password four times in a row. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot connect to the server without a correct password.

User response: Use the HSM Unix shell commands instead.

FMV9738S Out of memory

Explanation: TSM found an error allocating storage at initialization. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot continue.

User response: Use the HSM Unix shell commands instead.

FMV9739E Cannot get shared memory

Explanation: The system ran out of shared storage resources.

System action: TSM cannot continue without a shared storage segment.

User response: Check the output of the “ipcs” program to see if there are many new shared storage segments. Use “ipcrm” to remove them. If this problem continues, configure UNIX to allow more shared storage segments.

FMV9740S This program is not installed correctly. Place the application defaults file (*file-name*) into the application default directory (usually *directory-name*), or set the XAPPLRESDIR environment variable to the directory containing the *file-name* defaults file.

Explanation: TSM cannot find its resource file (Sm) in the default directory (*directory-name*). A problem may have occurred during installation. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot start.

User response: Use the HSM Unix shell commands instead.

FMV9741E Not enough memory to hold directory structure

Explanation: TSM cannot allocate storage for the requested directory structure. This error can happen under migrate or recall operations. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot complete the requested operation.

User response: Use the HSM Unix shell commands instead.

FMV9742E Error reading directory structure

Explanation: TSM cannot load the requested directory structure. This error is due to a corrupted file system or a storage shortage. This can happen under selective migrate or selective recall. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot complete the requested operation.

User response: Use the HSM Unix shell commands instead.

FMV9743W No files selected in directory tree

Explanation: You did not select any files to list for migrate or recall.

System action: TSM cannot complete the requested operation.

User response: Select files and retry the operation.

FMV9744W Size exceeds limit

Explanation: You tried to recall a file that has exceeded the maximum file size limitation on your system.

System action: TSM cannot recall the file.

User response: Recall this file on a system that supports the file size. See your system administrator.

FMV9778E Error(s) were detected in options file: " Do you want TSM to comment out the line with errors and continue?

Explanation: Invalid options or option values were encountered while reading the options file.

System action: This message is displayed. Further action depends on your response.

User response: Click "Yes" to allow TSM to turn the invalid line into comments. If you click "No", you will exit immediately.

FMV9779E Unable to open options file " for writing.

Explanation: An error occurred while TSM tried to open options file for writing to update it.

System action: Program exits.

User response: Check file and directory access permissions or correct invalid entries in your options file manually.

FMV9780E Unable to update options file ".

Explanation: TSM was unable to update your options file, possibly because of disk full condition.

System action: Program exits.

User response: Check if you have enough disk space or correct invalid entries in your options file manually.

FMV9781E After completing repair TSM found an invalid option, keyword or parameter in your options file.

Explanation: A final check of your options file found that an invalid option, keyword, or parameter still remains. It is possible your options file was modified by another application.

System action: Program exits.

User response: Make sure no other application modified your options file and restart TSM. You may also use a text editor to correct invalid entries in your options file.

FMV9782S The selected backupset was generated by a newer version of the backup server, and the new backupset version is not supported by this client; The backupset data cannot be restored by this version of the client.

Explanation: The backupset you are attempting to restore was generated by a newer server that has a different level of functionality. The client you are using does not recognize this newer format so it cannot restore the data from the backupset.

System action: Processing stopped.

User response: Restore the backupset with a client that is at the same or higher level as the server that was used to generate the backupset.

FMV9790I File is skipped for migration: No backup copy found.

Explanation: A management class is assigned to the file with the attribute MIGREQUIRESBKUP set to YES. This requires a current backup copy of the file before migration. However, there is no backup copy found on the migration server. This file will not be migrated. Note: TSM checks only the migration server for a backup copy. If the migration server and backup server are different servers, TSM does not find a backup copy of the file.

System action: TSM does not migrate this file.

User response: Back up this file on the migration server, or assign a management class to this file that does not require a current backup copy. Retry the operation.

FMV9791I File is skipped for migration: Backup copy found is not current.

Explanation: A management class is assigned to the file with the attribute MIGREQUIRESBKUP set to YES. This requires a current backup copy of the file before migration. However, the backup copy found on the migration server is an old version. This file will not be migrated. Note: TSM checks only the migration server for a backup copy. If the migration server and backup server are different servers, there must be a valid backup copy of the file on the migration server.

System action: TSM does not migrate this file.

User response: Back up the current file on the migration server, or assign a management class to this file that does not require a current backup copy. Retry the operation.

FMV9792W A tree view of a file system is being built. Please wait until it completes, and then retry the operation.

Explanation: You tried to choose Selective Migration or Selective Recall when a tree view of a file system is being built.

System action: TSM ignores the request.

User response: Wait until the tree view build completes, and then retry the operation.

FMV9796E Cannot access lock file for *file-system* file system.

Explanation: TSM cannot access a lock file due to an error. The lock file provides serialization of certain programs to prevent conflicting processes from running at the same time.

System action: TSM will not run the program at this time.

User response: Check the permissions on the directories leading up to the lock file and also the permissions on the program executable.

FMV9797E A conflicting space management process is already running in the *file-system* file system. Rerun this process at a later time.

Explanation: TSM detects that another process that conflicts with the process you are trying to run is running in the file system. The following processes cannot be run at the same time for a file system:

- dsmreconcile
- dsmautomig
- dsmmigfs remove.

Also dsmmigfs remove cannot run while a migration process is running in the file system.

System action: TSM will not run the process at this time.

User response: Try running the process again later.

FMV9799W Cannot open temp file for mount command.

Explanation: TSM cannot open a temporary file to process the mount command for this file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9800W Cannot create temp file for mount command.

Explanation: TSM cannot create a temporary file to process the mount command for this file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9801W Cannot create transaction file.

Explanation: Cannot create transaction file for this file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9802W Cannot create status file.

Explanation: Cannot create status file for this file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9803W Cannot create premigration database.

Explanation: Cannot create a premigration database for this file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9804W Cannot create migration candidates list.

Explanation: Cannot create a migration candidates list for this file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9805W Cannot create .SpaceMan directory.

Explanation: Cannot create .SpaceMan directory for this file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9806W The file system type is not supported.

Explanation: The file system is not a type supported by space management.

System action: TSM cannot add space management to the file system.

User response: There is a mismatch between the HSM client and the file system type specified. If the file system type is consistent with the intent, install an HSM client that supports it, then try the operation again. Only one HSM client can be installed at a time.

FMV9807W The specified backupset file does not contain a backupset of type "file" for the specified nodename.

Explanation: Local backupset support is limited to backupsets that contain file data; Image backupsets are not supported locally. The specified backupset does not contain a backupset with file data for the node name specified.

System action: Processing stopped.

User response: Specify a different backupset file to restore file data from a backupset. To restore an image from a backupset, access the backupset from a TSM server.

FMV9808W Invalid field in the dsmmigfstab file.

Explanation: There is an invalid field in the dsmmigfstab file entry for the file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9809W Cannot open the dsmmigfstab file.

Explanation: TSM cannot open the dsmmigfstab file. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot add space management to the file system.

User response: Use the HSM Unix shell commands instead.

FMV9811W Server did not respond. Check the server connection. Select OK to exit.

Explanation: Server did not respond.

System action: TSM stops processing.

User response: Exit dsmhsm. Check the server connection and try again later.

FMV9812I Files not found in current directory. Refresh file systems.

Explanation: Some files are not found in the local file system.

System action: The transaction will show incorrect results.

User response: Refresh the file systems to reflect local file systems.

FMV9813W Incorrect data shown. Run reconcile.

Explanation: Information in the space management status file is not synchronized with the file system.

System action: TSM continues processing.

User response: To correct the information, run reconcile, and then refresh the current window.

FMV9814W Cannot create migration object ID.

Explanation: The file system is full. No more free space can be allocated for the migration object ID when a file is being migrated or recalled.

System action: TSM terminates the current operation for this file system.

User response: Remove some files in the file system, and then run reconciliation. Retry the operation.

FMV9815W Out of free space or inodes in file system to migrate or recall.

Explanation: The file system is full. No more free space or free inodes are available to be allocated for the transaction file that is needed when a file is being migrated or recalled.

System action: TSM terminates the current operation for this file system.

User response: Remove some files in the file system, and then run reconciliation. Retry the operation.

FMV9816W File system has exceeded its quota.

Explanation: TSM detects that the file system has exceeded its quota. No more files can be migrated to TSM storage for this file system.

System action: TSM will not migrate files from this file system.

User response: Either recall some files to the local file system, or ask the system administrator to increase the quota for this file system.

FMV9817W *file-system* **is globally deactivated. Please wait until the file system is globally reactivated.**

Explanation: The file system is in a global inactive state.

System action: TSM cannot continue the process.

User response: Wait until the system administrator globally reactivates the file system.

FMV9818W A selective recall is in progress. Stop the recall, and then close the window.

Explanation: You tried to close the Selective Recall Status window while a selective recall was in progress.

System action: TSM ignores the request.

User response: Stop the selective recall process, and then close the window.

FMV9819W A selective migration is in progress. Stop the process, and then close the window.

Explanation: You tried to close the Selective Migration Status window while a selective migration was in progress.

System action: TSM ignores the request.

User response: Stop the selective migration process, and then close the window.

FMV9820W A selective recall or a selective migration is in progress. Wait until it completes, and then retry the operation.

Explanation: You tried to perform one of the following while a selective recall or selective migration process was in progress:

- Add space management
- Deactivate or reactivate space management
- Global deactivate or reactivate space management
- Display policy information
- Change password

System action: TSM ignores the request.

User response: Wait until the selective recall or selective migration process is complete, and then retry the operation.

FMV9821W New password is not re-entered.

Explanation: You did not re-enter the new password.

System action: The Change password dialog will display again.

User response: Re-enter the new password.

FMV9822W New password is not entered.

Explanation: You did not enter the new password.

System action: The Change password dialog will display again.

User response: Enter the new password.

FMV9823W Current password is not entered.

Explanation: You did not enter the current password.

System action: The Change password dialog will display again.

User response: Enter the current password.

FMV9824W Cannot update space management settings for *file-system*

Explanation: You tried to update space management settings for a file system, and the update failed. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM continues with normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9825W Total migrated space is greater than quota for *file system***.**

Explanation: TSM total migrated space is greater than quota.

System action: TSM continues.

User response: You can remove this warning message by increasing the quota for the file system.

FMV9827W Error accessing the Recall daemon lock file: *file name***.**

Explanation: There is a problem accessing the recall daemon lock file.

System action: TSM cannot determine whether the recall daemon is running. Because the recall daemon is needed to perform file recalls, the recall fails.

User response: Check with the system administrator. The recall process needs read access to the /etc/adsm/SpaceMan/dsmrecalld.pid file.

FMV9828W Error processing the space monitor daemon: *reason***.**

Explanation: There is a problem accessing the space monitor daemon.

System action: TSM cannot perform automatic space management functions.

User response: Check with the system administrator. The space monitor daemon is normally installed as /usr/lpp/adsm/bin/dsmmonitord.

FMV9829W Recall daemon is not running.

Explanation: An TSM recall daemon is not running.

System action: TSM recall fails.

User response: Ask the system administrator to start a recall daemon by issuing the dsmrecalld command.

FMV9830W Space monitor daemon is not running.

Explanation: The space monitor daemon is not running.

System action: TSM is unable to perform space management functions.

User response: Ask the system administrator to start the space monitor daemon by issuing the dsmmonitord command.

FMV9840W This command is not currently supported for local backupsets.

Explanation: Local backupset support is limited to only a few commands and the command you specified is not one of the supported commands.

System action: Processing stopped.

User response: To perform this command on a backupset, access the backupset from a TSM server.

FMV9841E Cannot get user name for the user ID.

Explanation: TSM cannot get the user name for the user ID. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM terminates the requested process and returns to normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9842E The watch daemon is not running properly.

Explanation: An TSM watch daemon is either not running, has no dmapi session, or is not connected to group services.

System action: The TSM action fails.

User response: Ask the system administrator to check GPFS and the group services and to restart a watch daemon by issuing the dsmwatchd command.

FMV9843E Cannot connect to migration server.

Explanation: TSM cannot connect to the migration server specified in your client system options file. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM terminates the requested process and returns to normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9844E Cannot close the premigrated files database.

Explanation: TSM cannot close the premigrated files database for the file system. The premigrated files database resides in the .SpaceMan subdirectory of the file system's root directory. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM terminates the requested process, and returns to normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9845E Space management action ends.

Explanation: TSM The requested space management operation is ended because the watch daemon is not working properly.

System action: TSM is unable to complete the operation.

User response: Look for previous messages.

FMV9846W Cannot add space management to *file system***.**

Explanation: TSM cannot add space management to the file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM continues with normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9848W Cannot activate file system *file system***.**

Explanation: TSM cannot activate space management for the specified file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM file system state is not changed.

User response: Use the HSM Unix shell commands instead.

FMV9849W Local backupset cannot be expanded; Only full backupset restore is supported locally.

Explanation: Local backupsets cannot be expanded to show volumes, directories, and files. Only full backupset restore is supported from local backupsets.

System action: Processing stopped.

User response: To restore specific volumes, directories, and files from a backupset, restore the backupset from the TSM server.

FMV9850E Tape read error; Max Blocksize is *blocksize***. Attempted to read blocksize** *blocksize***. Run dsmmaxsg to update scsi driver max blocksize allowed and retry operation.**

Explanation: An attempt to read from tape at the specified blocksize failed; Tha maximum blocksize allowed for the scsi driver is shown.

System action: Processing stopped.

User response: If the maximum blocksize is less than the blocksize used by the operation, run the dsmmaxsg utility to update the maximum blocksize allowed for the scsi driver, and then retry the operation. If the maximum blocksize is greater than or equal to the blocksize used, then verify that the tape installed and operating correctly and retry the operation.

FMV9852E Cannot query the level of client and kernel.

Explanation: The space management GUI client fails to query the level of kernel and client code. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM continues with normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9853W The space management client program is downlevel.

Explanation: The space management client is downlevel compared to the kernel level. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM continues with normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9854W The space management kernel is downlevel.

Explanation: The space management kernel is downlevel compared to the client level. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM continues with normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9855W File is accessed during migration. File skipped.

Explanation: The specified *file-name* was not migrated because the file was accessed by another process during the attempt to migrate it.

System action: TSM left the file resident.

User response: If you want the file migrated, stop the process which is accessing the file and retry the migration operation.

FMV9856E File is currently opened by another process. File skipped. File has already been migrated or is currently being migrated by another process.

Explanation: The specified file was not migrated because the file was opened by one or more other processes.

System action: TSM left the file resident.

User response: If you want the file migrated, stop the processes which currently have the file open, and retry the migration operation.

FMV9857W The restored HSM for Windows stub file may be an orphan: *stub file name*

Explanation: The restored stub file may not be accessible in the HSM client archive and thus it possibly cannot be recalled.

System action: Stub file is restored.

User response: Check if the stub file can be accessed.

FMV9858E Bit file for image on push button cannot be found. Please check to make sure the *pixmap file* **exists in your TSM installed directory.**

Explanation: TSM failed to find the pixmap file defined for the push button.

System action: TSM continues with normal operation.

User response: Check to see whether the pixmap file exists in the TSM installation directory.

FMV9860W Some selected files are hidden. Change View option to see all.

Explanation: You have selected all files in a directory or in all subdirectories. Due to the current View option, only certain types of files are shown (either migrated, resident, or premigrated files).

System action: TSM proceeds normally.

User response: If you want to see all selected files, change the View option from the View menu bar option.

FMV9862W Do you want to exit TSM space management?

Explanation: You have selected Exit from the File menu bar option.

System action: TSM waits for your response.

User response: If you want to exit the program, select OK. Otherwise, select Cancel.

FMV9871W Specified column width is smaller than the largest attribute value. Data will be truncated.

Explanation: You have entered a column width that is too small to display all digits of the largest attribute.

System action: TSM accepts your request.

User response: To see all attributes in full length, increase the column width.

FMV9873W This function should not be used on large file systems. Continue anyway ?

Explanation: You have decided to open selective recall or selective migration window, but these functions may take too long for large file systems.

System action: TSM waits for your response.

User response: If you want to continue, select OK. Otherwise, select Cancel.

FMV9875W Refresh time must be numeric value and within 0 - 14400 minutes or 0 - 240 hours (10 days).

Explanation: You have entered an invalid value for Refresh time. It must be a positive number between 0 and 14400.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 14400.

FMV9876W Refresh time must be a positive number.

Explanation: You have entered an invalid value for Refresh time. It must be a positive number between 0 and 14400.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 14400.

FMV9877W Size Factor must be a numeric value between 0 - 999999999.

Explanation: You have entered an invalid value for Size Factor. It must be a positive number between 0 and 999999999.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 999999999.

FMV9878W Size Factor must be a positive number.

Explanation: You have entered an invalid value for Size Factor. It must be a positive number between 0 and 999999999.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 999999999.

FMV9879W Age Factor must be a numeric value between 0 - 999999999.

Explanation: You have entered an invalid value for Age Factor. It must be a positive number between 0 and 999999999.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 999999999.

FMV9880W Age Factor must be a positive number.

Explanation: You have entered an invalid value for Age Factor. It must be a positive number between 0 and 999999999.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 999999999.

FMV9881W Premigration Percent must be a numeric value between 0 - 100.

Explanation: You have entered an invalid value for Premigration Percentage. It must be a positive number between 0 and 100.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 100.

FMV9882W Premigration Percent must be a positive number.

Explanation: You have entered an invalid value for Premigration Percentage. It must be a positive number between 0 and 100.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 100.

FMV9883W Quota must be a numeric value between 0 - 999999999.

Explanation: You have entered an invalid value for Quota. It must be a positive number between 0 and 999999999.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 999999999.

FMV9884W Quota must be a positive number.

Explanation: You have entered an invalid value for Quota. It must be a positive number between 0 and 999999999.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 999999999.

FMV9885I The premigration percentage will not be updated until you select the Update push button on the Update window or the Add push button on the Add window.

Explanation: While you have just selected 'OK' in the Advanced Feature dialog, the premigration percentage is not activated until you select 'Add' or 'Update' in the 'Add space management', or the 'Update space management' dialog.

System action: TSM waits until you select 'Add' or 'Update' to apply your premigration percentage to the system.

User response: When you have changed the space management attribute, select 'Add' or 'Update', and then the system will apply your new premigration percentage.

FMV9886W Enter a positive number for Column Width.

Explanation: You have entered an invalid value for Column Width. It must be a positive number between 0 and 18.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 18.

FMV9887W Enter a positive number for Space Between Column.

Explanation: You have entered an invalid value for Space Between Column. It must be a positive number between 0 and 18.

System action: TSM continues with normal operation.

User response: Enter a positive number between 0 and 18.

FMV9889W Space management has not been added to *file-system* file system. Do you want to build the directory tree anyway?

Explanation: You selected a file system that is not managed by HSM.

System action: TSM builds the directory tree if you select the OK button. Otherwise, it will not.

User response: You can add space management to the file system by selecting the Space Manager push button in the TSM main window, and then selecting Add under the Selected menu option.

FMV9891W Please mark either or both check boxes before proceeding.

Explanation: You have not marked either of the check boxes.

System action: TSM does not proceed with reconcile processing.

User response: Mark either or both check boxes.

FMV9892E Unable to find snapshot(s) in the local repository.

Explanation: The requested volume snapshot(s) were not found in the local repository.

System action: Processing stops.

User response: Ensure the operation is issued with the proper nodename and/or server address. In a non-cluster environment perform the operation from a different host with the expected hostname. Retry the operation.

FMV9895W Space management in file system *file system* is not active.

Explanation: You tried to select a file in a file system for which space management is inactive.

System action: TSM continues with normal operation.

User response: Reactivate space management for the file system, and then proceed with selecting files.

FMV9901E Cannot migrate TSM system internal file.

Explanation: You tried to select files that are used internally by the HSM client. You cannot migrate TSM internal files.

System action: TSM ignores your request.

User response: None.

FMV9903E Space management is deactivated for this file system.

Explanation: You tried to migrate a file in a file system for which space management is inactive.

System action: TSM continues to migrate files only in active file systems.

User response: Reactivate space management for the file system, and retry the migration operation.

FMV9904E Transaction failed, migration aborted.

Explanation: The specified *file-name* was not migrated because the file was accessed by another process during the attempt to migrate it.

System action: TSM migration is aborted.

User response: If you want the file migrated, stop the process that is accessing the file, and then retry the migration.

FMV9908E System Error.

Explanation: TSM detects an error in reading the state of the file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM proceeds with normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9909I Error in accessing migration candidates list file.

Explanation: TSM detects an error in reading the migration candidates list file. This file resides in the .SpaceMan directory of the file system. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM proceeds with normal operation.

User response: Use the HSM Unix shell commands instead.

FMV9914I Space management settings have been modified successfully on *file-system* file system.

Explanation: Space management settings have been updated successfully.

System action: TSM updated space management settings for the file system.

User response: Continue with normal operation.

FMV9915I Space management has been added successfully to *file-system* file system.

Explanation: Space management has been added successfully.

System action: TSM added and activated space management for the file system.

User response: Continue with normal operation.

FMV9918E Cannot open migration candidates list for *file-system*.

Explanation: TSM cannot access the migration candidates list for the specified file system.

System action: TSM continues normal operation.

User response: Select OK to return.

FMV9928I Space management has been deactivated successfully on *file-system* file system.

Explanation: Space management is deactivated successfully.

System action: TSM deactivated space management for the file system.

User response: Select OK to return.

FMV9929I Space management has been reactivated successfully on *file-system* file system.

Explanation: Space management is reactivated successfully.

System action: TSM reactivated space management for the file system.

User response: Select OK to return.

FMV9933I Migration candidates list only exists in an 'Active' file system. If you want to make *file-system* file system 'Active', select 'Add Space Management'.

Explanation: You tried to display the migration candidates list for a “Native” file system (a file system to which space management has not been added).

System action: Processing stopped.

User response: Select OK to return. Select “Add Space Management” if you want to add space management to the file system.

FMV9934I Reconcile only works on an 'Active' file system. If you want to make *file-system* file system 'Active', select 'Add Space Management'.

Explanation: You tried to start reconciliation on a “Native” file system (a file system to which space management has not been added). You must add space management to a file system before starting reconcile.

System action: Processing stopped.

User response: Select OK to return. Select “Add” if you want to add space management to the file system.

FMV9935I Start Threshold Migration only works on an 'Active' file system. If you want to make *file-system* file system 'Active', select 'Add Space Management'.

Explanation: You tried to start Threshold Migration on a “Native” file system (a file system to which space management has not been added). You must add space management to the file system first.

System action: Processing stopped.

User response: Select OK to return. Select “Add” if

you want to add space management to the file system.

FMV9936I Start Threshold Migration only works on an 'Active' file system. If you want to make *file-system* file system 'Active', select 'Reactivate'.

Explanation: You tried to start Threshold Migration on an “Inactive” file system (a file system for which space management has been deactivated). You must reactivate space management for your file system first.

System action: Processing stopped.

User response: Select OK to return. Select 'Reactivate' to reactivate space management for the file system.

FMV9938I Space management has not been added to *file-system* file system. You do not need to deactivate space management.

Explanation: You tried to deactivate space management on a file system to which space management has not been added.

System action: Processing stopped.

User response: Select OK to return.

FMV9941I Space management has not been added to *file-system*. If you want to add space management, select 'Add space management' option. The file system will automatically be activated when you add space management.

Explanation: You tried to activate space management on a file system to which space management has not been added. You must first add space management. The file system will automatically be activated when the add process is complete.

System action: Processing stopped.

User response: Select OK to return. Select “Add” if you want to add space management to the file system.

FMV9942S Space management has not been added to *file-system* file system. Do you want to add space management now?

Explanation: You tried to update space management settings for a file system to which space management has not been added.

System action: Processing stopped.

User response: Select OK to add space management to the file system. Select Cancel to return.

FMV9943I Space management has already been added to *file-system* file system.

Explanation: You tried to add space management to a file system to which space management has already been added.

System action: Processing stopped.

User response: Select OK to return.

FMV9944I Space management has been deactivated on *file-system* file system. You must reactivate space management before you can remove it.

Explanation: You tried to remove space management from a file system for which space management has been deactivated. You must reactivate space management for the file system before you can remove it.

System action: Processing stopped.

User response: Select OK to return. Select “Reactivate”, and then select “Remove” to remove space management.

FMV9945I Space management has not been added to *file-system* file system. You do not need to remove space management.

Explanation: You tried to remove space management from a file system to which space management has not been added.

System action: Processing stopped.

User response: Select OK to return.

FMV9947E File: *file-spec* is in a file system to which space management has not been added.

Explanation: You tried to migrate a file that resides in a file system to which space management has not been added.

System action: TSM will not highlight/process the file.

User response: Switch over to the Space Manager window, and add space management to the file system.

FMV9948E File: *file-spec* size is less than the minimum size required for migration.

Explanation: You tried to migrate a file that is smaller than the minimum size required for migration. To be eligible for migration, a file must be larger than both the stub file size specified for the file system plus one byte and the block size defined for the file system.

System action: TSM will not highlight the file.

User response: None.

FMV9949E File: *file-spec* **is not a regular file and therefore not qualified for migration.**

Explanation: You tried to migrate a file that is not a regular file. It might be a FIFO file, a special file, a directory or a symbolic link.

System action: TSM will not highlight the file.

User response: None.

FMV9951I File: *file-name* **has already been migrated.**

Explanation: You tried to migrate a file that is already migrated. Note that you may get this message if the file is hard linked with another, already migrated file.

System action: The file is skipped.

User response: None.

FMV9953E The management class assigned to this file does not allow migration.

Explanation: The management class assigned to this file does not allow migration.

System action: TSM does not migrate the file.

User response: None.

FMV9954E This file has already been migrated.

Explanation: The file has been previously migrated.

System action: File is skipped.

User response: None.

FMV9958E File '*file-namefile-namefile-name* **has not yet reached the age for migration. File skipped.**

Explanation: This file cannot be migrated because it has not yet reached the age for migration.

System action: TSM will not highlight the file.

User response: None.

FMV9959W IBM Tivoli Storage Manager acceptor received a non-critical network error *errno***, TSM return code :** *TSM-rc***.**

Explanation: The communication problem happened while listening for inbound connection but the IBM Tivoli Storage Manager acceptor continues running.

System action: Processing continues.

User response: No further action is required, it can be safely ignored.

FMV9960W No files selected for migrate or recall.

Explanation: You requested a migrate or recall operation without selecting files from the presented directory tree.

System action: TSM cannot do the migration or recall without selected files.

User response: Select the files that you want to migrate or recall, and retry the operation.

FMV9961E Server out of migrate data storage space.

Explanation: The server ran out of space in its migrate data storage. This message is issued only from the Motif HSM GUI, which is no longer supported.

System action: TSM cannot complete the migrate operation. Any files displayed in the Successful list of the Migrate Status window were successfully migrated.

User response: Use the HSM Unix shell commands instead.

FMV9962I Migration stopped by user.

Explanation: You requested that TSM stop the migrate operation.

System action: Migration stopped.

User response: Continue with normal operations.

FMV9963I Selective Recall completed. Check failure list for possible errors.

Explanation: The recall was completed.

System action: TSM recalled the files.

User response: Continue with normal operations.

FMV9964I Selective Migration completed. Check failure list for possible errors.

Explanation: The migration was completed.

System action: TSM migrated the files.

User response: Continue with normal operations.

FMV9965S Please select a file system first.

Explanation: You did not select any file system for the Migrate window.

System action: TSM ignores this request and continues.

User response: Select a file system, a directory, and all files you want to migrate, and then select the Migrate button to start the process.

FMV9966S No file system has been selected.

Explanation: You did not select a file system.

System action: TSM ignores the request and continues.

User response: Select at least one file system and retry the operation

FMV9984W PFR plugin library was not found.

Explanation: PFR plugin library should have been installed when the client was installed, but it cannot be found.

System action: The selected operation is not performed.

User response: None.

FMV9987W Partial recall mode is not set for *full-file-name*

Explanation: Partial recall mode is not set for the specified file.

System action: The recall is not performed for the specified file. Processing stopped.

User response: Set the partial recall mode on the file ("dsmattr -recallmode=partialrecall" command) and re-try the operation.

FMV9988S As part of the remove process, all migrated files in *file-system* **will be recalled from TSM server. Do you want to continue with the remove process now?**

Explanation: When you remove space management from a file system, TSM recalls all migrated files.

System action: TSM waits for your response before proceeding with the remove process.

User response: Select Yes to remove space management from the selected file system, or select Cancel to skip the remove.

FMV9989W Management class *mcName* **specified on the INCLUDEstatement in** *file-name* **at line** *line-number* **does not exist.**

Explanation: Management class named on the INCLUDE statement in the *file-name* file does not exist in your assigned policy set on the server.

System action: The object is bound to the default management class.

User response:

- Update the INCLUDE statement so that it specifies a valid management class.
- Define the management class named on the INCLUDE statement (if it is intended to have a management class with that name).
- Verify that the node is in the correct policy domain (perhaps the node was accidentally put in the wrong policy domain, and the correct domain has the management class).
- Remove the INCLUDE statement if it is no longer necessary to bind the files to the management class.

FMV9990W Management class *mcName* **specified on INCLUDE statementin client option set does not exist.**

Explanation: Management class named on the INCLUDE statement in client option file does not exist in your assigned policy set on the server.

System action: The object is bound to the default management class.

User response:

- Update the INCLUDE statement so that it specifies a valid management class.
- Define the management class named on the INCLUDE statement (if it is intended to have a management class with that name).
- Verify that the node is in the correct policy domain (perhaps the node was accidentally put in the wrong policy domain, and the correct domain has the management class).
- Remove the INCLUDE statement if it is no longer necessary to bind the files to the management class.

FMV9992E The following options must be set before running this operation: VMCHOST or VMCUSER.

Explanation: VMCHOST or VMCUSER is missing from the options file.

System action: Operation cannot continue without options being set.

User response: Manually edit the options file or use the preferences editor to set these options.

FMV9997W The selective migration, selective recall, or policy information window is displayed. Stop any operations, close the window, and then retry the operation.

Explanation: When a node is contacting more than one server for space management services, the selective migration, selective recall, and policy information windows may not be displayed at the same time.

System action: TSM ignores the request.

User response: Close the selective migration, selective recall, or policy information window, and then retry the operation.

FMV9998E The migration server changed after the selective migration or selective recall window was displayed. Close the window, and then retry the operation.

Explanation: A migrate or recall operation will not be allowed to proceed if the user changed the migration server after the selective migration or selective recall window was displayed.

System action: No files will be migrated or recalled.

User response: Close the selective migration or selective recall window, and then retry the operation.

FMV9999E ():

Explanation: This message carries diagnostic text relating to a client process or algorithm. This information is intended for reporting processing exceptions and other non-standard situations that occur on the TSM client. The (component), (code), and (text) will vary depending upon the cause of the message and the client process or algorithm that issues the message.

System action: Client processing may or may not continue depending upon the cause of this message.

User response: Examine error messages that may have been displayed before and/or after this message and correct any problems, if possible. If the cause of this message can not be determined or resolved, contact your support representative. If you contact your support representative, the entire text of this message should be reported.

Appendix A. Tivoli support information

You can find support information for Tivoli and other IBM products from various sources.

From the IBM Support Portal at http://www.ibm.com/support/entry/portal/, you can select the products that you are interested in and search for a wide variety of relevant information.

Communities and other learning resources

In addition to product documentation, many forms of assistance are available to help you get started as you deploy and use the Tivoli Storage Manager family of products. These resources can also help you to solve problems that you might have.

You can use forums, wikis, and other social media tools to ask questions, talk to experts, and learn from others.

User groups

Tivoli Global Storage Virtual User Group

Access this user group at http://www.tivoli-ug.org/storage.

This group makes it possible for individuals from many different industries and types of organizations to share information and work directly with the IBM product experts. Local chapters also exist where members meet in person to share experiences and hear from guest speakers.

ADSM.ORG

Access this mailing list at http://adsm.org.

This independently managed Storage Management discussion forum started when Tivoli Storage Manager was known as ADSTAR Distributed Storage Manager (ADSM). The members of this forum have many years of experience with Tivoli Storage Manager in almost every type of IT environment.

To subscribe to the forum, send an email to listserv@vm.marist.edu. The body of the message must contain the following text: `SUBSCRIBE ADSM-L` *your_first_name your_family_name*.

Tivoli Storage Manager community on Service Management Connect

Access Service Management Connect at http://www.ibm.com/developerworks/servicemanagement. In the Storage Management community of Service Management Connect, you can connect with IBM in the following ways:

- Become involved with transparent development, an ongoing, open engagement between users and IBM developers of Tivoli products. You can access early designs, sprint demonstrations, product roadmaps, and prerelease code.
- Connect one-on-one with the experts to collaborate and network about Tivoli and the Tivoli Storage Manager community.
- Read blogs to benefit from the expertise and experience of others.

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- Use wikis and forums to collaborate with the broader user community.

Tivoli Storage Manager wiki on developerWorks®

Access this wiki at https://www.ibm.com/developerworks/servicemanagement/sm/index.html.

Find the latest best practices, white papers, and links to videos and other resources. When you log on, you can comment on content, or contribute your own content.

Tivoli Support Technical Exchange

Find information about upcoming Tivoli Support Technical Exchange webcasts at http://www.ibm.com/software/sysmgmt/products/support/supp_tech_exch.html. Replays of previous webcasts are also available.

Learn from technical experts who share their knowledge and then answer your questions. The sessions are designed to address specific technical issues and provide in-depth but narrowly focused training.

Other social media sites

LinkedIn

You can join groups on LinkedIn, a social media site for professionals. For example:

- **Tivoli Storage Manager Professionals**: http://www.linkedin.com/groups/Tivoli-Storage-Manager-Professionals-54572
- **TSM**: http://www.linkedin.com/groups?gid=64540

Twitter

Follow `@IBMStorage` on Twitter to see the latest news about storage and storage software from IBM.

Tivoli education resources

Use these education resources to help you increase your Tivoli Storage Manager skills:

Tivoli Education and Certification website

View available education at http://www.ibm.com/software/tivoli/education.

Use the Search for Training link to find local and online offerings of instructor-led courses for Tivoli Storage Manager.

Education Assistant

Access resources at http://publib.boulder.ibm.com/infocenter/ieduasst/tivv1r0/index.jsp.

Scroll to view the list of available training videos. Recorded product demonstrations are also available on a YouTube channel.

Searching knowledge bases

If a problem occurs while you are using one of the Tivoli Storage Manager family of products, you can search several knowledge bases.

Begin by searching the Tivoli Storage Manager Information Center at http://pic.dhe.ibm.com/infocenter/tsminfo/v7r1. Within the information center, you can enter words, phrases, or message numbers in the **Search** field to find relevant topics.

Searching the Internet

If you cannot find an answer to your question in the Tivoli Storage Manager information center, search the Internet for the information that might help you resolve the problem.

To search multiple Internet resources, go to the IBM support website at http://www.ibm.com/support/entry/portal/. You can search for information without signing in.

Sign in using your IBM ID and password if you want to customize the site based on your product usage and information needs. If you do not already have an IBM ID and password, click **Sign in** at the top of the page and follow the instructions to register.

From the support website, you can search various resources:

- IBM technotes.
- IBM downloads.
- IBM Redbooks® publications.
- IBM Authorized Program Analysis Reports (APARs). Select the product and click **Downloads** to search the APAR list.

Using IBM Support Assistant

IBM Support Assistant is a complimentary software product that can help you with problem determination. It is available for some Tivoli Storage Manager and Tivoli Storage FlashCopy Manager products.

IBM Support Assistant helps you gather support information when you must open a problem management record (PMR), which you can then use to track the problem. The product-specific plug-in modules provide you with the following resources:

- Support links
- Education links
- Ability to submit problem management reports

You can find more information and download the IBM Support Assistant web page at http://www.ibm.com/software/support/isa.

You can also install the stand-alone IBM Support Assistant application on any workstation. You can then enhance the application by installing product-specific plug-in modules for the IBM products that you use. Find add-ons for specific products at http://www.ibm.com/support/docview.wss?uid=swg27012689.

Finding product fixes

A product fix to resolve a software problem might be available from the IBM software support website.

Procedure

Determine what fixes are available by checking the IBM software support website at http://www.ibm.com/support/entry/portal/.

If you previously customized the site based on your product usage:

1. Click the link for the product, or a component for which you want to find a fix.
2. Click **Downloads**, and then click **Search for recommended fixes**.

If you have not previously customized the site:

Click **Downloads** and search for the product.

Receiving notification of product fixes

You can receive notifications about fixes, flashes, upgrades, and other news about IBM products.

Procedure

1. From the support page at http://www.ibm.com/support/entry/portal/, click **Sign in** and sign in using your IBM ID and password. If you do not have an ID and password, click **register now** and complete the registration process.
2. Click **Manage all my subscriptions** in the Notifications pane.
3. Click the **Subscribe** tab, and then click **Tivoli**.
4. Select the products for which you want to receive notifications and click **Continue**.
5. Specify your notification preferences and click **Submit**.

Contacting IBM Software Support

You can contact IBM Software Support if you have an active IBM subscription and support contract, and if you are authorized to submit problems to IBM.

Procedure

1. Ensure that you have completed the following prerequisites:
   a. Set up a subscription and support contract.
   b. Determine the business impact of the problem.
   c. Describe the problem and gather background information.
2. Follow the instructions in "Submitting the problem to IBM Software Support" on page 560.

Setting up and managing support contracts

You can set up and manage your Tivoli support contracts by enrolling in IBM Passport Advantage®. The type of support contract that you need depends on the type of product you have.

Procedure

Enroll in IBM Passport Advantage in one of the following ways:

- **Online:** Go to the Passport Advantage website at http://www.ibm.com/software/lotus/passportadvantage/, click **How to enroll**, and follow the instructions.
- **By telephone:** For critical, system-down, or high-severity issues, you can call 1-800-IBMSERV (1-800-426-7378) in the United States. For the telephone number to call in your country, go to the IBM Software Support Handbook web page at http://www14.software.ibm.com/webapp/set2/sas/f/handbook/home.html and click **Contacts**.

Determining the business impact

When you report a problem to IBM, you are asked to supply a severity level. Therefore, you must understand and assess the business impact of the problem you are reporting.

Severity level	Description
Severity 1	**Critical** business impact: You are unable to use the program, resulting in a critical impact on operations. This condition requires an immediate solution.
Severity 2	**Significant** business impact: The program is usable but is severely limited.
Severity 3	**Some** business impact: The program is usable with less significant features (not critical to operations) unavailable.
Severity 4	**Minimal** business impact: The problem causes little impact on operations, or a reasonable circumvention to the problem has been implemented.

Describing the problem and gathering background information

When explaining a problem to IBM, it is helpful to be as specific as possible. Include all relevant background information so that IBM Software Support specialists can help you solve the problem efficiently.

To save time, know the answers to these questions:

- What software versions were you running when the problem occurred?
- Do you have logs, traces, and messages that are related to the problem symptoms? IBM Software Support is likely to ask for this information.
- Can the problem be re-created? If so, what steps led to the failure?
- Have any changes been made to the system? For example, hardware, operating system, networking software, and so on.
- Are you using a workaround for this problem? If so, be prepared to explain it when you report the problem.

Submitting the problem to IBM Software Support

You can submit the problem to IBM Software Support online or by telephone.

Online

Go to the IBM Software Support website at http://www.ibm.com/support/entry/portal/Open_service_request/Software/Software_support_(general). Sign in to access IBM Service Requests and enter your information into the problem submission tool.

By telephone

For critical, system-down, or severity 1 issues, you can call 1-800-IBMSERV (1-800-426-7378) in the United States. For the telephone number to call in your country, go to the IBM Software Support Handbook web page at http://www14.software.ibm.com/webapp/set2/sas/f/handbook/home.html and click **Contacts**.

Appendix B. Accessibility features for the Tivoli Storage Manager product family

Accessibility features help users who have a disability, such as restricted mobility or limited vision to use information technology products successfully.

Accessibility features

The IBM Tivoli Storage Manager family of products includes the following accessibility features:

- Keyboard-only operation using standard operating-system conventions
- Interfaces that support assistive technology such as screen readers

The command-line interfaces of all products in the product family are accessible.

Tivoli Storage Manager Operations Center provides the following additional accessibility features when you use it with a Mozilla Firefox browser on a Microsoft Windows system:

- Screen magnifiers and content zooming
- High contrast mode

The Operations Center and the Tivoli Storage Manager Server can be installed in console mode, which is accessible.

The Tivoli Storage Manager Information Center is enabled for accessibility. For information center accessibility information, see "Accessibility features in the information center" (http://pic.dhe.ibm.com/infocenter/tsminfo/v7r1/topic/com.ibm.help.ic.doc/iehs36_accessibility.html).

Vendor software

The Tivoli Storage Manager product family includes certain vendor software that is not covered under the IBM license agreement. IBM makes no representation about the accessibility features of these products. Contact the vendor for the accessibility information about its products.

IBM and accessibility

See the IBM Human Ability and Accessibility Center (http://www.ibm.com/able) for information about the commitment that IBM has to accessibility.

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Glossary

This glossary provides terms and definitions for Tivoli Storage Manager, Tivoli Storage FlashCopy Manager, and associated products.

The following cross-references are used in this glossary:

- *See* refers you from a nonpreferred term to the preferred term or from an abbreviation to the spelled-out form.
- *See also* refers you to a related or contrasting term.

For other terms and definitions, see the IBM Terminology website at www.ibm.com/software/globalization/terminology.

A

absolute mode
In storage management, a backup copy-group mode that specifies that a file is considered for incremental backup even if the file has not changed since the last backup. See also mode, modified mode.

access control list (ACL)
In computer security, a list associated with an object that identifies all the subjects that can access the object and their access rights.

access mode
An attribute of a storage pool or a storage volume that specifies whether the server can write to or read from the storage pool or storage volume.

ACK See acknowledgment.

acknowledgment (ACK)
The transmission of acknowledgment characters as a positive response to a data transmission.

ACL See access control list.

activate
To validate the contents of a policy set and then make it the active policy set.

active-data pool
A named set of storage pool volumes that contain only active versions of client backup data. See also server storage, storage pool, storage pool volume.

active file system
A file system to which space management has been added. With space management, tasks for an active file system include automatic migration, reconciliation, selective migration, and recall. See also inactive file system.

active policy set
The activated policy set that contains the policy rules currently in use by all client nodes assigned to the policy domain. See also policy domain, policy set.

active version
The most recent backup copy of a file stored. The active version of a file cannot be deleted until a backup process detects that the user has either replaced the file with a newer version or has deleted the file from the file server or workstation. See also backup version, inactive version.

activity log
A log that records normal activity messages that are generated by the server. These messages include information about server and client operations, such as the start time of sessions or device I/O errors.

adaptive subfile backup
A type of backup that sends only changed portions of a file to the server, instead of sending the entire file. Adaptive subfile backup reduces network traffic and increases the speed of the backup.

administrative client
A program that runs on a file server, workstation, or mainframe that administrators use to control and monitor the server. See also backup-archive client.

administrative command schedule
A database record that describes the planned processing of an administrative command during a specific time period. See also central scheduler, client schedule, schedule.

administrative privilege class
See privilege class.

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administrative session
A period of time during which an administrator user ID communicates with a server to perform administrative tasks. See also client node session, session.

administrator
A person responsible for administrative tasks such as access authorization and content management. Administrators can also grant levels of authority to users.

agent node
A client node that has been granted proxy authority to perform operations on behalf of another client node, which is the target node.

aggregate
An object, stored in one or more storage pools, consisting of a group of logical files that are packaged together. See also logical file, physical file.

aggregate data transfer rate
A performance statistic that indicates the average number of bytes that were transferred per second while processing a given operation.

application client
A program that is installed on a system to protect an application. The server provides backup services to an application client.

archive
To copy programs, data, or files to another storage media, usually for long-term storage or security. See also retrieve.

archive copy
A file or group of files that was archived to server storage

archive copy group
A policy object containing attributes that control the generation, destination, and expiration of archived files. See also copy group.

archive-retention grace period
The number of days that the storage manager retains an archived file when the server is unable to rebind the file to an appropriate management class. See also bind.

association
The defined relationship between a client node and a client schedule. An association identifies the name of a schedule, the name of the policy domain to which the schedule belongs, and the name of a client node that performs scheduled operations.

audit To check for logical inconsistencies between information that the server has and the actual condition of the system. The storage manager can audit information about items such as volumes, libraries, and licenses. For example, when a storage manager audits a volume, the server checks for inconsistencies between information about backed-up or archived files that are stored in the database and the actual data that are associated with each backup version or archive copy in server storage.

authentication rule
A specification that another user can use to either restore or retrieve files from storage.

authority
The right to access objects, resources, or functions. See also privilege class.

authorization rule
A specification that permits another user to either restore or retrieve a user's files from storage.

authorized user
A user who has administrative authority for the client on a workstation. This user changes passwords, performs open registrations, and deletes file spaces.

AutoFS
See automounted file system.

automatic detection
A feature that detects, reports, and updates the serial number of a drive or library in the database when the path from the local server is defined.

automatic migration
The process that is used to automatically move files from a local file system to storage, based on options and settings that are chosen by a root user on a workstation. See also demand migration, threshold migration.

automounted file system (AutoFS)
A file system that is managed by an

automounter daemon. The automounter daemon monitors a specified directory path, and automatically mounts the file system to access data.

B

backup-archive client
A program that runs on a workstation or file server and provides a means for users to back up, archive, restore, and retrieve files. See also administrative client.

backup copy group
A policy object containing attributes that control the generation, destination, and expiration of backup versions of files. A backup copy group belongs to a management class. See also copy group.

backup retention grace period
The number of days the storage manager retains a backup version after the server is unable to rebind the file to an appropriate management class.

backup set
A portable, consolidated group of active versions of backup files that are generated for a backup-archive client.

backup set collection
A group of backup sets that are created at the same time and which have the same backup set name, volume names, description, and device classes. The server identifies each backup set in the collection by its node name, backup set name, and file type.

backup version
A file or directory that a client node backed up to storage. More than one backup version can exist in storage, but only one backup version is the active version. See also active version, copy group, inactive version.

bind To associate a file with a management class name. See also archive-retention grace period, management class, rebind.

C

cache To place a duplicate copy of a file on random access media when the server migrates a file to another storage pool in the hierarchy.

cache file
A snapshot of a logical volume created by Logical Volume Snapshot Agent. Blocks are saved immediately before they are modified during the image backup and their logical extents are saved in the cache files.

CAD See client acceptor daemon.

central scheduler
A function that permits an administrator to schedule client operations and administrative commands. The operations can be scheduled to occur periodically or on a specific date. See also administrative command schedule, client schedule.

client A software program or computer that requests services from a server. See also server.

client acceptor
A service that serves the Java applet for the web client to web browsers. On Windows systems, the client acceptor is installed and run as a service. On AIX, UNIX, and Linux systems, the client acceptor is run as a daemon.

client acceptor daemon (CAD)
See client acceptor.

client domain
The set of drives, file systems, or volumes that the user selects to back up or archive data, using the backup-archive client.

client node
A file server or workstation on which the backup-archive client program has been installed, and which has been registered to the server.

client node session
A session in which a client node communicates with a server to perform backup, restore, archive, retrieve, migrate, or recall requests. See also administrative session.

client option set
A group of options that are defined on the server and used on client nodes in conjunction with client options files.

client options file
An editable file that identifies the server and communication method, and provides the configuration for backup, archive, hierarchical storage management, and scheduling.

client-polling scheduling mode
A method of operation in which the client queries the server for work. See also server-prompted scheduling mode.

client schedule
A database record that describes the planned processing of a client operation during a specific time period. The client operation can be a backup, archive, restore, or retrieve operation, a client operating system command, or a macro. See also administrative command schedule, central scheduler, schedule.

client/server
Pertaining to the model of interaction in distributed data processing in which a program on one computer sends a request to a program on another computer and awaits a response. The requesting program is called a client; the answering program is called a server.

client system-options file
A file, used on AIX, UNIX, or Linux system clients, containing a set of processing options that identify the servers to be contacted for services. This file also specifies communication methods and options for backup, archive, hierarchical storage management, and scheduling. See also client user-options file, options file.

client user-options file
A file that contains the set of processing options that the clients on the system use. The set can include options that determine the server that the client contacts, and options that affect backup operations, archive operations, hierarchical storage management operations, and scheduled operations. This file is also called the dsm.opt file. For AIX, UNIX, or Linux systems, see also client system-options file. See also client system-options file, options file.

closed registration
A registration process in which only an administrator can register workstations as client nodes with the server. See also open registration.

collocation
The process of keeping all data belonging to a single-client file space, a single client node, or a group of client nodes on a minimal number of sequential-access volumes within a storage pool. Collocation can reduce the number of volumes that must be accessed when a large amount of data must be restored.

collocation group
A user-defined group of client nodes whose data is stored on a minimal number of volumes through the process of collocation.

commit point
A point in time when data is considered to be consistent.

communication method
The method by which a client and server exchange information. See also Transmission Control Protocol/Internet Protocol.

communication protocol
A set of defined interfaces that permit computers to communicate with each other.

compression
A function that removes repetitive characters, spaces, strings of characters, or binary data from the data being processed and replaces characters with control characters. Compression reduces the amount of storage space that is required for data.

configuration manager
A server that distributes configuration information, such as policies and schedules, to managed servers according to their profiles. Configuration information can include policy and schedules. See also enterprise configuration, managed server, profile.

conversation
A connection between two programs over a session that allows them to communicate with each other while processing a transaction. See also session.

copy backup
A full backup in which the transaction log files are not deleted so that backup procedures that use incremental or differential backups are not disrupted.

copy group
A policy object containing attributes that control how backup versions or archive copies are generated, where backup versions or archive copies are initially located, and when backup versions or archive copies expire. A copy group belongs to a management class. See also archive copy group, backup copy group, backup version,management class.

copy storage pool
A named set of volumes that contain copies of files that reside in primary storage pools. Copy storage pools are used only to back up the data that is stored in primary storage pools. A copy storage pool cannot be a destination for a backup copy group, an archive copy group, or a management class (for space-managed files). See also destination, primary storage pool, server storage, storage pool, storage pool volume.

D

daemon
A program that runs unattended to perform continuous or periodic functions, such as network control.

damaged file
A physical file in which read errors have been detected.

database backup series
One full backup of the database, plus up to 32 incremental backups made since that full backup. Each full backup that is run starts a new database backup series. A number identifies each backup series. See also database snapshot, full backup.

database snapshot
A complete backup of the entire database to media that can be taken off-site. When a database snapshot is created, the current database backup series is not interrupted. A database snapshot cannot have incremental database backups associated with it. See also database backup series, full backup.

data center
In a virtualized environment, a container that holds hosts, clusters, networks, and data stores.

data deduplication
A method of reducing storage needs by eliminating redundant data. Only one instance of the data is retained on storage media. Other instances of the same data are replaced with a pointer to the retained instance.

data manager server
A server that collects metadata information for client inventory and manages transactions for the storage agent over the local area network. The data manager server informs the storage agent with applicable library attributes and the target volume identifier.

data mover
A device that moves data on behalf of the server. A network-attached storage (NAS) file server is a data mover.

data storage-management application-programming interface (DSMAPI)
A set of functions and semantics that can monitor events on files, and manage and maintain the data in a file. In an HSM environment, a DSMAPI uses events to notify data management applications about operations on files, stores arbitrary attribute information with a file, supports managed regions in a file, and uses DSMAPI access rights to control access to a file object.

data store
In a virtualized environment, the location where virtual machine data is stored.

deduplication
The process of creating representative records from a set of records that have been identified as representing the same entities.

default management class
A management class that is assigned to a policy set. This class is used to govern backed up or archived files when a file is not explicitly associated with a specific management class through the include-exclude list.

demand migration
The process that is used to respond to an out-of-space condition on a file system for which hierarchical storage management (HSM) is active. Files are migrated to server storage until space usage drops to the low threshold that was set for the file system. If the high threshold and low threshold are the same, one file is migrated. See also automatic migration, selective migration, threshold migration.

desktop client
The group of backup-archive clients that includes clients on Microsoft Windows, Apple, and Novell NetWare operating systems.

destination
A copy group or management class attribute that specifies the primary storage pool to which a client file will be backed up, archived, or migrated. See also copy storage pool.

device class
A named set of characteristics that are applied to a group of storage devices. Each device class has a unique name and represents a device type of disk, file, optical disk, or tape.

device configuration file
1. For a storage agent, a file that contains the name and password of the storage agent, and information about the server that is managing the SAN-attached libraries and drives that the storage agent uses.
2. For a server, a file that contains information about defined device classes, and, on some servers, defined libraries and drives. The information is a copy of the device configuration information in the database.

disaster recovery manager (DRM)
A function that assists in preparing and using a disaster recovery plan file for the server.

disaster recovery plan
A file that is created by the disaster recover manager (DRM) that contains information about how to recover computer systems if a disaster occurs and scripts that can be run to perform some recovery tasks. The file includes information about the software and

hardware that is used by the server, and the location of recovery media.

domain
A grouping of client nodes with one or more policy sets, which manage data or storage resources for the client nodes. See also policy domain.

DRM See disaster recovery manager.

DSMAPI
See data storage-management application-programming interface.

dynamic serialization
Copy serialization in which a file or folder is backed up or archived on the first attempt regardless of whether it changes during a backup or archive. See also shared dynamic serialization, shared static serialization, static serialization.

E

EA See extended attribute.

EB See exabyte.

EFS See Encrypted File System.

Encrypted File System (EFS)
A file system that uses file system-level encryption.

enterprise configuration
A method of setting up servers so that the administrator can distribute the configuration of one of the servers to the other servers, using server-to-server communication. See also configuration manager, managed server, profile, subscription.

enterprise logging
The process of sending events from a server to a designated event server. The event server routes the events to designated receivers, such as to a user exit. See also event.

error log
A data set or file that is used to record error information about a product or system.

estimated capacity
The available space, in megabytes, of a storage pool.

event An occurrence of significance to a task or system. Events can include completion or failure of an operation, a user action, or the change in state of a process. See also enterprise logging, receiver.

event record
A database record that describes actual status and results for events.

event server
A server to which other servers can send events for logging. The event server routes the events to any receivers that are enabled for the sending server's events.

exabyte (EB)
For processor, real and virtual storage capacities and channel volume, 2 to the power of 60 or 1 152 921 504 606 846 976 bytes. For disk storage capacity and communications volume, 1 000 000 000 000 000 000 bytes.

exclude
The process of identifying files in an include-exclude list. This process prevents the files from being backed up or migrated whenever a user or schedule enters an incremental or selective backup operation. A file can be excluded from backup, from space management, or from both backup and space management.

exclude-include list
See include-exclude list.

expiration
The process by which files, data sets, or objects are identified for deletion because their expiration date or retention period has passed.

expiring file
A migrated or premigrated file that has been marked for expiration and removal from storage. If a stub file or an original copy of a premigrated file is deleted from a local file system, or if the original copy of a premigrated file is updated, the corresponding migrated or premigrated file is marked for expiration the next time reconciliation is run.

extend
To increase the portion of available space that can be used to store database or recovery log information.

extended attribute (EA)
Names or value pairs that are associated with files or directories. There are three

classes of extended attributes: user attributes, system attributes, and trusted attributes.

external library
A collection of drives that is managed by the media-management system other than the storage management server.

F

file access time
On AIX, UNIX, or Linux systems, the time when the file was last accessed.

file age
For migration prioritization purposes, the number of days since a file was last accessed.

file device type
A device type that specifies the use of sequential access files on disk storage as volumes.

file server
A dedicated computer and its peripheral storage devices that are connected to a local area network that stores programs and files that are shared by users on the network.

file space
A logical space in server storage that contains a group of files that have been backed up or archived by a client node, from a single logical partition, file system, or virtual mount point. Client nodes can restore, retrieve, or delete their file spaces from server storage. In server storage, files belonging to a single file space are not necessarily stored together.

file space ID (FSID)
A unique numeric identifier that the server assigns to a file space when it is stored in server storage.

file state
The space management mode of a file that resides in a file system to which space management has been added. A file can be in one of three states: resident, premigrated, or migrated. See also migrated file, premigrated file, resident file.

file system migrator (FSM)
A kernel extension that intercepts all file system operations and provides any space management support that is required. If no space management support is required, the operation is passed to the operating system, which performs its normal functions. The file system migrator is mounted over a file system when space management is added to the file system.

file system state
The storage management mode of a file system that resides on a workstation on which the hierarchical storage management (HSM) client is installed. A file system can be in one of these states: native, active, inactive, or global inactive.

frequency
A copy group attribute that specifies the minimum interval, in days, between incremental backups.

FSID See file space ID.

FSM See file system migrator.

full backup
The process of backing up the entire server database. A full backup begins a new database backup series. See also database backup series, database snapshot, incremental backup.

fuzzy backup
A backup version of a file that might not accurately reflect what is currently in the file because the file was backed up at the same time as it was being modified.

fuzzy copy
A backup version or archive copy of a file that might not accurately reflect the original contents of the file because it was backed up or archived the file while the file was being modified.

G

GB See gigabyte.

General Parallel File System (GPFS)
A high-performance shared-disk file system that can provide data access from nodes in a clustered system environment. See also information lifecycle management.

gigabyte (GB)
For processor storage, real and virtual storage, and channel volume, 10 to the

power of nine or 1,073,741,824 bytes. For disk storage capacity and communications volume, 1,000,000,000 bytes.

global inactive state
The state of all file systems to which space management has been added when space management is globally deactivated for a client node.

Globally Unique Identifier (GUID)
An algorithmically determined number that uniquely identifies an entity within a system. See also Universally Unique Identifier.

GPFS See General Parallel File System.

GPFS node set
A mounted, defined group of GPFS file systems.

group backup
The backup of a group containing a list of files from one or more file space origins.

GUID See Globally Unique Identifier.

H

hierarchical storage management (HSM)
A function that automatically distributes and manages data on disk, tape, or both by regarding devices of these types and potentially others as levels in a storage hierarchy that range from fast, expensive devices to slower, cheaper, and possibly removable devices. The objectives are to minimize access time to data and maximize available media capacity. See also hierarchical storage management client, recall, storage hierarchy.

hierarchical storage management client (HSM client) A client program that works with the server to provide hierarchical storage management (HSM) for a system. See also hierarchical storage management, management class.

HSM See hierarchical storage management.

HSM client
See hierarchical storage management client.

I

ILM See information lifecycle management.

image A file system or raw logical volume that is backed up as a single object.

image backup
A backup of a full file system or raw logical volume as a single object.

inactive file system
A file system for which space management has been deactivated. See also active file system.

inactive version
A backup version of a file that is either not the most recent backup version, or that is a backup version of a file that no longer exists on the client system. Inactive backup versions are eligible for expiration processing according to the management class assigned to the file. See also active version, backup version.

include-exclude file
A file containing statements to determine the files to back up and the associated management classes to use for backup or archive. See also include-exclude list.

include-exclude list
A list of options that include or exclude selected files for backup. An exclude option identifies files that should not be backed up. An include option identifies files that are exempt from the exclusion rules or assigns a management class to a file or a group of files for backup or archive services. See also include-exclude file.

incremental backup
The process of backing up files or directories, or copying pages in the database, that are new or changed since the last full or incremental backup. See also selective backup.

individual mailbox restore
See mailbox restore.

information lifecycle management (ILM)
A policy-based file-management system for storage pools and file sets. See also General Parallel File System.

inode The internal structure that describes the individual files on AIX, UNIX, or Linux systems. An inode contains the node, type, owner, and location of a file.

inode number
A number specifying a particular inode file in the file system.

IP address
A unique address for a device or logical unit on a network that uses the Internet Protocol standard.

J

job file
A generated file that contains configuration information for a migration job. The file is XML format and can be created and edited in the hierarchical storage management (HSM) client for Windows client graphical user interface. See also migration job.

journal-based backup
A method for backing up Windows clients and AIX clients that exploits the change notification mechanism in a file to improve incremental backup performance by reducing the need to fully scan the file system.

journal daemon
On AIX, UNIX, or Linux systems, a program that tracks change activity for files residing in file systems.

journal service
In Microsoft Windows, a program that tracks change activity for files residing in file systems.

K

KB See kilobyte.

kilobyte (KB)
For processor storage, real and virtual storage, and channel volume, 2 to the power of 10 or 1,024 bytes. For disk storage capacity and communications volume, 1,000 bytes.

L

LAN See local area network.

LAN-free data movement
The movement of client data between a client system and a storage device on a storage area network (SAN), bypassing the local area network.

LAN-free data transfer
See LAN-free data movement.

leader data
Bytes of data, from the beginning of a migrated file, that are stored in the file's corresponding stub file on the local file system. The amount of leader data that is stored in a stub file depends on the stub size that is specified.

library
1. A repository for demountable recorded media, such as magnetic disks and magnetic tapes.
2. A collection of one or more drives, and possibly robotic devices (depending on the library type), which can be used to access storage volumes.

library client
A server that uses server-to-server communication to access a library that is managed by another storage management server. See also library manager.

library manager
A server that controls device operations when multiple storage management servers share a storage device. See also library client.

local
1. Pertaining to a device, file, or system that is accessed directly from a user system, without the use of a communication line. See also remote.
2. For hierarchical storage management products, pertaining to the destination of migrated files that are being moved. See also remote.

local area network (LAN)
A network that connects several devices in a limited area (such as a single building or campus) and that can be connected to a larger network.

local shadow volume
Data that is stored on shadow volumes localized to a disk storage subsystem.

LOFS See loopback virtual file system.

logical file
A file that is stored in one or more server storage pools, either by itself or as part of an aggregate. See also aggregate, physical file, physical occupancy.

logical occupancy
The space that is used by logical files in a storage pool. This space does not include the unused space created when logical files are deleted from aggregate files, so it might be less than the physical occupancy. See also physical occupancy.

logical unit number (LUN)
In the Small Computer System Interface (SCSI) standard, a unique identifier used to differentiate devices, each of which is a logical unit (LU).

logical volume
A portion of a physical volume that contains a file system.

logical volume backup
A back up of a file system or logical volume as a single object.

Logical Volume Snapshot Agent (LVSA)
Software that can act as the snapshot provider for creating a snapshot of a logical volume during an online image backup.

loopback virtual file system (LOFS)
A file system that is created by mounting a directory over another local directory, also known as mount-over-mount. A LOFS can also be generated using an automounter.

LUN See logical unit number.

LVSA See Logical Volume Snapshot Agent.

M

macro file
A file that contains one or more storage manager administrative commands, which can be run only from an administrative client using the MACRO command. See also Tivoli Storage Manager command script.

mailbox restore
A function that restores Microsoft Exchange Server data (from IBM Data Protection for Microsoft Exchange backups) at the mailbox level or mailbox-item level.

managed object
A definition in the database of a managed server that was distributed to the managed server by a configuration manager. When a managed server subscribes to a profile, all objects that are associated with that profile become managed objects in the database of the managed server.

managed server
A server that receives configuration information from a configuration manager using a subscription to one or more profiles. Configuration information can include definitions of objects such as policy and schedules. See also configuration manager, enterprise configuration, profile, subscription.

management class
A policy object that users can bind to each file to specify how the server manages the file. The management class can contain a backup copy group, an archive copy group, and space management attributes. See also bind, copy group, hierarchical storage management client, policy set, rebind.

maximum transmission unit (MTU)
The largest possible unit of data that can be sent on a given physical medium in a single frame. For example, the maximum transmission unit for Ethernet is 1500 bytes.

MB See megabyte.

media server
In a z/OS® environment, a program that provides access to z/OS disk and tape storage for Tivoli Storage Manager servers that run on operating systems other than z/OS.

megabyte (MB)
For processor storage, real and virtual storage, and channel volume, 2 to the 20th power or 1,048,576 bytes. For disk storage capacity and communications volume, 1,000,000 bytes.

metadata
Data that describes the characteristics of data; descriptive data.

migrate
To move data to another location, or an application to another computer system.

migrated file
A file that has been copied from a local file system to storage. For HSM clients on UNIX or Linux systems, the file is replaced with a stub file on the local file system. On Windows systems, creation of the stub file is optional. See also file state, premigrated file, resident file, stub file.

migration
The process of moving data from one computer system to another, or an application to another computer system.

migration job
A specification of files to migrate, and actions to perform on the original files after migration. See also job file, threshold migration.

migration threshold
High and low capacities for storage pools or file systems, expressed as percentages, at which migration is set to start and stop.

mirroring
The process of writing the same data to multiple disks at the same time. The mirroring of data protects it against data loss within the database or within the recovery log.

mode A copy group attribute that specifies whether to back up a file that has not been modified since the last time the file was backed up. See also absolute mode, modified mode.

modified mode
In storage management, a backup copy-group mode that specifies that a file

is considered for incremental backup only if it has changed since the last backup. A file is considered a changed file if the date, size, owner, or permissions of the file have changed. See also absolute mode, mode.

mount limit
The maximum number of volumes that can be simultaneously accessed from the same device class. The mount limit determines the maximum number of mount points. See also mount point.

mount point
A logical drive through which volumes are accessed in a sequential access device class. For removable media device types, such as tape, a mount point is a logical drive associated with a physical drive. For the file device type, a mount point is a logical drive associated with an I/O stream. See also mount limit.

mount retention period
The maximum number of minutes that the server retains a mounted sequential-access media volume that is not being used before it dismounts the sequential-access media volume.

mount wait period
The maximum number of minutes that the server waits for a sequential-access volume mount request to be satisfied before canceling the request.

MTU See maximum transmission unit.

N

Nagle algorithm
An algorithm that reduces congestion of TCP/IP networks by combining smaller packets and sending them together.

named pipe
A type of interprocess communication that permits message data streams to pass between peer processes, such as between a client and a server.

NAS file server
See network-attached storage file server.

NAS file server node
See NAS node.

NAS node
A client node that is a network-attached storage (NAS) file server. Data for the NAS node is transferred by a NAS file server that is controlled by the network data management protocol (NDMP). A NAS node is also called a NAS file server node.

native file system
A file system that is locally added to the file server and is not added for space management. The hierarchical storage manager (HSM) client does not provide space management services to the file system.

native format
A format of data that is written to a storage pool directly by the server. See also non-native data format.

NDMP
See Network Data Management Protocol.

NetBIOS (Network Basic Input/Output System)
A standard interface to networks and personal computers that is used on local area networks to provide message, print-server, and file-server functions. Application programs that use NetBIOS do not have to handle the details of LAN data link control (DLC) protocols.

network-attached storage file server (NAS file server)
A dedicated storage device with an operating system that is optimized for file-serving functions. A NAS file server can have the characteristics of both a node and a data mover.

Network Basic Input/Output System
See NetBIOS.

Network Data Management Protocol (NDMP)
A protocol that allows a network storage-management application to control the backup and recovery of an NDMP-compliant file server, without installing vendor-acquired software on that file server.

network data-transfer rate
A rate that is calculated by dividing the total number of bytes that are transferred by the data transfer time. For example, this rate can be the time that is spent transferring data over a network.

node A file server or workstation on which the

backup-archive client program has been installed, and which has been registered to the server.

node name
A unique name that is used to identify a workstation, file server, or PC to the server.

node privilege class
A privilege class that gives an administrator the authority to remotely access backup-archive clients for a specific client node or for all clients in a policy domain. See also privilege class.

non-native data format
A format of data that is written to a storage pool that differs from the format that the server uses for operations. See also native format.

O

offline volume backup
A backup in which the volume is locked so that no other system applications can access it during the backup operation.

online volume backup
A backup in which the volume is available to other system applications during the backup operation.

open registration
A registration process in which users can register their workstations as client nodes with the server. See also closed registration.

operator privilege class
A privilege class that gives an administrator the authority to disable or halt the server, enable the server, cancel server processes, and manage removable media. See also privilege class.

options file
A file that contains processing options. See also client system-options file, client user-options file.

originating file system
The file system from which a file was migrated. When a file is recalled, it is returned to its originating file system.

orphaned stub file
A file for which no migrated file can be found on the server that the client node is contacting for space management services. For example, a stub file can be orphaned when the client system-options file is modified to contact a server that is different than the one to which the file was migrated.

P

packet In data communication, a sequence of binary digits, including data and control signals, that are transmitted and switched as a composite whole.

page A defined unit of space on a storage medium or within a database volume.

partial-file recall mode
A recall mode that causes the hierarchical storage management (HSM) function to read just a portion of a migrated file from storage, as requested by the application accessing the file.

password generation
A process that creates and stores a new password in an encrypted password file when the old password expires. Automatic generation of a password prevents password prompting.

path An object that defines a one-to-one relationship between a source and a destination. Using the path, the source accesses the destination. Data can flow from the source to the destination, and back. An example of a source is a data mover (such as a network-attached storage [NAS] file server), and an example of a destination is a tape drive.

pattern-matching character
See wildcard character.

physical file
A file that is stored in one or more storage pools, consisting of either a single logical file, or a group of logical files that are packaged together as an aggregate. See also aggregate, logical file, physical occupancy.

physical occupancy
The amount of space that is used by physical files in a storage pool. This space includes the unused space that is created when logical files are deleted from aggregates. See also logical file, logical occupancy, physical file.

plug-in
A separately installable software module that adds function to an existing program, application, or interface.

policy domain
A grouping of policy users with one or more policy sets, which manage data or storage resources for the users. The users are client nodes that are associated with the policy domain. See also active policy set, domain.

policy privilege class
A privilege class that gives an administrator the authority to manage policy objects, register client nodes, and schedule client operations for client nodes. Authority can be restricted to certain policy domains. See also privilege class.

policy set
A group of rules in a policy domain. The rules specify how data or storage resources are automatically managed for client nodes in the policy domain. Rules can be contained in management classes. See also active policy set, management class.

premigrated file
A file that has been copied to server storage, but has not been replaced with a stub file on the local file system. An identical copy of the file resides both on the local file system and in server storage. Premigrated files occur on UNIX and Linux file systems to which space management has been added. See also file state, migrated file, resident file.

premigrated files database
A database that contains information about each file that has been premigrated to server storage.

premigration
The process of copying files that are eligible for migration to server storage, but leaving the original file intact on the local file system.

premigration percentage
A space management setting that controls whether the next eligible candidates in a file system are premigrated following threshold or demand migration.

primary storage pool
A named set of volumes that the server uses to store backup versions of files, archive copies of files, and files migrated from client nodes. See also copy storage pool, server storage, storage pool, storage pool volume.

privilege class
A level of authority that is granted to an administrator. The privilege class determines which administrative tasks the administrator can perform. See also authority, node privilege class, operator privilege class, policy privilege class, storage privilege class, system privilege class.

profile
A named group of configuration information that can be distributed from a configuration manager when a managed server subscribes. Configuration information can include registered administrator IDs, policies, client schedules, client option sets, administrative schedules, storage manager command scripts, server definitions, and server group definitions. See also configuration manager, enterprise configuration, managed server.

profile association
On a configuration manager, the defined relationship between a profile and an object such as a policy domain. Profile associations define the configuration information that is distributed to a managed server when it subscribes to the profile.

Q

quota

1. For HSM on AIX, UNIX, or Linux systems, the limit (in megabytes) on the amount of data that can be migrated and premigrated from a file system to server storage.
2. For HSM on Windows systems, a user-defined limit to the space that is occupied by recalled files.

R

randomization
The process of distributing schedule start times for different clients within a specified percentage of the schedule's startup window.

raw logical volume
A portion of a physical volume that is comprised of unallocated blocks and has no journaled file system (JFS) definition. A logical volume is read/write accessible only through low-level I/O functions.

rebind
To associate all backed-up versions of a file with a new management class name. For example, a file that has an active backup version is rebound when a later version of the file is backed up with a different management class association. See also bind, management class.

recall To copy a migrated file from server storage back to its originating file system using the hierarchical storage management client. See also selective recall.

receiver
A server repository that contains a log of server and client messages as events. For example, a receiver can be a file exit, a user exit, or the server console and activity log. See also event.

reclamation
The process of consolidating the remaining data from many sequential-access volumes onto fewer, new sequential-access volumes.

reclamation threshold
The percentage of space that a sequential-access media volume must have before the server can reclaim the volume. Space becomes reclaimable when files are expired or are deleted.

reconciliation
The process of ensuring consistency between the original data repository and the larger system where the data is stored for backup. Examples of larger systems where the data is stored for backup are storage servers or other storage systems. During the reconciliation process, data that is identified as no longer needed is removed.

recovery log
A log of updates that are about to be written to the database. The log can be used to recover from system and media failures. The recovery log consists of the active log (including the log mirror) and archive logs.

register
To define a client node or administrator ID that can access the server.

registry
A repository that contains access and configuration information for users, systems, and software.

remote
For hierarchical storage management products, pertaining to the origin of migrated files that are being moved. See also local.

resident file
On a Windows system, a complete file on a local file system that might also be a migrated file because a migrated copy can exist in server storage. On a UNIX or Linux system, a complete file on a local file system that has not been migrated or premigrated, or that has been recalled from server storage and modified. See also file state.

restore
To copy information from its backup location to the active storage location for use. For example, to copy information from server storage to a client workstation.

retention
The amount of time, in days, that inactive backed-up or archived files are kept in the storage pool before they are deleted. Copy group attributes and default retention grace periods for the domain define retention.

retrieve
To copy archived information from the storage pool to the workstation for use. The retrieve operation does not affect the archive version in the storage pool. See also archive.

root user
A system user who operates without restrictions. A root user has the special rights and privileges needed to perform administrative tasks.

S

SAN See storage area network.

schedule
A database record that describes client operations or administrative commands to be processed. See also administrative command schedule, client schedule.

scheduling mode
The type of scheduling operation for the server and client node that supports two scheduling modes: client-polling and server-prompted.

scratch volume
A labeled volume that is either blank or contains no valid data, that is not defined, and that is available for use. See also volume.

script A series of commands, combined in a file, that carry out a particular function when the file is run. Scripts are interpreted as they are run. See also Tivoli Storage Manager command script.

Secure Sockets Layer (SSL)
A security protocol that provides communication privacy. With SSL, client/server applications can communicate in a way that is designed to prevent eavesdropping, tampering, and message forgery.

selective backup
The process of backing up certain files or directories from a client domain. The files that are backed up are those that are not excluded in the include-exclude list. The files must meet the requirement for serialization in the backup copy group of the management class that is assigned to each file. See also incremental backup.

selective migration
The process of copying user-selected files from a local file system to server storage and replacing the files with stub files on the local file system. See also demand migration, threshold migration.

selective recall
The process of copying user-selected files from server storage to a local file system. See also recall, transparent recall.

serialization
The process of handling files that are modified during backup or archive processing. See also shared dynamic serialization, shared static serialization, static serialization.

server A software program or a computer that provides services to other software programs or other computers. See also client.

server options file
A file that contains settings that control various server operations. These settings affect such things as communications, devices, and performance.

server-prompted scheduling mode
A client/server communication technique where the server contacts the client node when tasks must be done. See also client-polling scheduling mode.

server storage
The primary, copy, and active-data storage pools that are used by the server to store user files such as backup versions, archive copies, and files migrated from hierarchical storage management client nodes (space-managed files). See also active-data pool, copy storage pool, primary storage pool, storage pool volume, volume.

session
A logical or virtual connection between two stations, software programs, or devices on a network that allows the two elements to communicate and exchange data for the duration of the session. See also administrative session.

session resource usage
The amount of wait time, processor time, and space that is used or retrieved during a client session.

shadow copy
A snapshot of a volume. The snapshot can be taken while applications on the system continue to write data to the volumes.

shadow volume
The data stored from a snapshot of a volume. The snapshot can be taken while applications on the system continue to write data to the volumes.

shared dynamic serialization
A value for serialization that specifies that a file must not be backed up or archived if it is being modified during the operation. The backup-archive client retries the backup or archive operation a number of times; if the file is being modified during each attempt, the backup-archive client will back up or archive the file on its last try. See also dynamic serialization, serialization, shared static serialization, static serialization.

shared library
A library device that is used by multiple storage manager servers. See also library.

shared static serialization
A copy-group serialization value that specifies that a file must not be modified during a backup or archive operation. The client attempts to retry the operation a number of times. If the file is in use during each attempt, the file is not backed up or archived. See also dynamic serialization, serialization, shared dynamic serialization, static serialization.

snapshot
An image backup type that consists of a point-in-time view of a volume.

space-managed file
A file that is migrated from a client node by the hierarchical storage management (HSM) client. The HSM client recalls the file to the client node on demand.

space management
See hierarchical storage management.

space monitor daemon
A daemon that checks space usage on all file systems for which space management is active, and automatically starts threshold migration when space usage on a file system equals or exceeds its high threshold.

sparse file
A file that is created with a length greater than the data it contains, leaving empty spaces for the future addition of data.

special file
On AIX, UNIX, or Linux systems, a file that defines devices for the system, or temporary files that are created by processes. There are three basic types of special files: first-in, first-out (FIFO); block; and character.

SSL See Secure Sockets Layer.

stabilized file space
A file space that exists on the server but not on the client.

stanza A group of lines in a file that together have a common function or define a part of the system. Stanzas are usually separated by blank lines or colons, and each stanza has a name.

startup window
A time period during which a schedule must be initiated.

static serialization
A copy-group serialization value that specifies that a file must not be modified during a backup or archive operation. If the file is in use during the first attempt, the backup-archive client cannot back up or archive the file. See also dynamic serialization, serialization, shared dynamic serialization, shared static serialization.

storage agent
A program that enables the backup and restoration of client data directly to and from storage attached to a storage area network (SAN).

storage area network (SAN)
A dedicated storage network tailored to a specific environment, combining servers, systems, storage products, networking products, software, and services.

storage hierarchy
A logical order of primary storage pools, as defined by an administrator. The order is typically based on the speed and capacity of the devices that the storage pools use. The storage hierarchy is defined by identifying the next storage pool in a storage pool definition. See also storage pool.

storage pool
A named set of storage volumes that is the destination that is used to store client

data. See also active-data pool, copy storage pool, primary storage pool, storage hierarchy.

storage pool volume
A volume that has been assigned to a storage pool. See also active-data pool, copy storage pool, primary storage pool, server storage, volume.

storage privilege class
A privilege class that gives an administrator the authority to control how storage resources for the server are allocated and used, such as monitoring the database, the recovery log, and server storage. See also privilege class.

stub A shortcut on the Windows file system that is generated by the hierarchical storage management (HSM) client for a migrated file that allows transparent user access. A stub is the sparse file representation of a migrated file, with a reparse point attached.

stub file
A file that replaces the original file on a local file system when the file is migrated to storage. A stub file contains the information that is necessary to recall a migrated file from server storage. It also contains additional information that can be used to eliminate the need to recall a migrated file. See also migrated file, resident file.

stub file size
The size of a file that replaces the original file on a local file system when the file is migrated to server storage. The size that is specified for stub files determines how much leader data can be stored in the stub file. The default for stub file size is the block size defined for a file system minus 1 byte.

subscription
In a storage environment, the process of identifying the subscribers to which the profiles are distributed. See also enterprise configuration, managed server.

system privilege class
A privilege class that gives an administrator the authority to issue all server commands. See also privilege class.

T

tape library
A set of equipment and facilities that support an installation's tape environment. The tape library can include tape storage racks, mechanisms for automatic tape mounting, a set of tape drives, and a set of related tape volumes mounted on those drives.

tape volume prefix
The high-level-qualifier of the file name or the data set name in the standard tape label.

target node
A client node for which other client nodes (called agent nodes) have been granted proxy authority. The proxy authority allows the agent nodes to perform operations such as backup and restore on behalf of the target node, which owns the data.

TCA See trusted communications agent.

TCP/IP
See Transmission Control Protocol/Internet Protocol.

threshold migration
The process of moving files from a local file system to server storage based on the high and low thresholds that are defined for the file system. See also automatic migration, demand migration, migration job, selective migration.

throughput
In storage management, the total bytes in the workload, excluding overhead, that are backed up or restored, divided by elapsed time.

timeout
A time interval that is allotted for an event to occur or complete before operation is interrupted.

Tivoli Storage Manager command script
A sequence of Tivoli Storage Manager administrative commands that are stored in the database of the Tivoli Storage Manager server. The script can run from any interface to the server. The script can include substitution for command parameters and conditional logic. See also macro file, script.

tombstone object
A small subset of attributes of a deleted object. The tombstone object is retained for a specified period, and at the end of the specified period, the tombstone object is permanently deleted.

Transmission Control Protocol/Internet Protocol (TCP/IP)
An industry-standard, nonproprietary set of communication protocols that provides reliable end-to-end connections between applications over interconnected networks of different types. See also communication method.

transparent recall
The process that is used to automatically recall a migrated file to a workstation or file server when the file is accessed. See also selective recall.

trusted communications agent (TCA)
A program that handles the sign-on password protocol when clients use password generation.

U

UCS-2 A 2-byte (16-bit) encoding scheme based on ISO/IEC specification 10646-1. UCS-2 defines three levels of implementation: Level 1-No combining of encoded elements allowed; Level 2-Combining of encoded elements is allowed only for Thai, Indic, Hebrew, and Arabic; Level 3-Any combination of encoded elements are allowed.

UNC See Universal Naming Convention.

Unicode
A character encoding standard that supports the interchange, processing, and display of text that is written in the common languages around the world, plus many classical and historical texts.

Unicode-enabled file space
Unicode file space names provide support for multilingual workstations without regard for the current locale.

Universally Unique Identifier (UUID)
The 128-bit numeric identifier that is used to ensure that two components do not have the same identifier. See also Globally Unique Identifier.

Universal Naming Convention (UNC)
The server name and network name combined. These names together identify the resource on the domain.

UTF-8 Unicode Transformation Format, 8-bit encoding form, which is designed for ease of use with existing ASCII-based systems. The CCSID value for data in UTF-8 format is 1208. See also UCS-2.

UUID See Universally Unique Identifier.

V

validate
To check a policy set for conditions that can cause problems if that policy set becomes the active policy set. For example, the validation process checks whether the policy set contains a default management class.

version
A backup copy of a file stored in server storage. The most recent backup copy of a file is the active version. Earlier copies of the same file are inactive versions. The number of versions retained by the server is determined by the copy group attributes in the management class.

virtual file space
A representation of a directory on a network-attached storage (NAS) file system as a path to that directory.

virtual mount point
A directory branch of a file system that is defined as a virtual file system. The virtual file system is backed up to its own file space on the server. The server processes the virtual mount point as a separate file system, but the client operating system does not.

virtual volume
An archive file on a target server that represents a sequential media volume to a source server.

volume
A discrete unit of storage on disk, tape or other data recording medium that supports some form of identifier and parameter list, such as a volume label or input/output control. See also scratch volume, server storage, storage pool, storage pool volume.

volume history file
A file that contains information about volumes that have been used by the server for database backups and for export of administrator, node, policy, or server data. The file also has information about sequential-access storage pool volumes that have been added, reused, or deleted. The information is a copy of volume information that is recorded in the server database.

Volume Shadow Copy Service (VSS)
A set of Microsoft application-programming interfaces (APIs) that are used to create shadow copy backups of volumes, exact copies of files, including all open files, and so on.

VSS See Volume Shadow Copy Service.

VSS Backup
A backup operation that uses Microsoft Volume Shadow Copy Service (VSS) technology. The backup operation produces an online snapshot (point-in-time consistent copy) of Microsoft Exchange data. This copy can be stored on local shadow volumes or on Tivoli Storage Manager server storage.

VSS Fast Restore
An operation that restores data from a local snapshot. The snapshot is the VSS backup that resides on a local shadow volume. The restore operation retrieves the data by using a file-level copy method.

VSS Instant Restore
An operation that restores data from a local snapshot. The snapshot is the VSS backup that resides on a local shadow volume. The restore operation retrieves the data by using a hardware assisted restore method (for example, a FlashCopy operation).

VSS offloaded backup
A backup operation that uses a Microsoft Volume Shadow Copy Service (VSS) hardware provider (installed on an alternate system) to move IBM Data Protection for Microsoft Exchange data to the Tivoli Storage Manager server. This type of backup operation shifts the backup load from the production system to another system.

VSS Restore

A function that uses a Microsoft Volume Shadow Copy Service (VSS) software provider to restore VSS Backups (IBM Data Protection for Microsoft Exchange database files and log files) that reside on Tivoli Storage Manager server storage to their original location.

W

wildcard character
A special character such as an asterisk (*) or a question mark (?) that can be used to represent one or more characters. Any character or set of characters can replace the wildcard character.

workload partition (WPAR)
A partition within a single operating system instance.

workstation
A terminal or personal computer at which a user can run applications and that is usually connected to a mainframe or a network.

worldwide name (WWN)
A 64-bit, unsigned name identifier that is unique.

WPAR See workload partition.

WWN See worldwide name.

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