

IBM Spectrum Protect for Databases
Version 8.1.4

*Data Protection for Microsoft SQL
Server
Messages*



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Note:

Before you use this information and the product it supports, read the information in “Notices” on page 33.

This edition applies to version 8, release 1, modification 4 of IBM Spectrum Protect for Databases (product number 5725-X01) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Contents

About this publication v

Who should read this guide v

Publications v

Chapter 1. Introduction to Data

Protection for Microsoft SQL Server

messages 1

Data Protection for Microsoft SQL Server messages

format 1

Chapter 2. Data Protection for Microsoft

SQL Server messages 3

Appendix. Accessibility features for the

IBM Spectrum Protect product family . 31

Notices 33

Glossary 37

About this publication

IBM Spectrum Protect for Databases, Data Protection for Microsoft SQL Server is an enterprise-wide storage management application for the network. It backs up and restores Microsoft SQL Server databases to IBM Spectrum Protect storage or local shadow volumes.

This publication contains explanations and suggested actions for messages that are issued by IBM Spectrum Protect for Databases, Data Protection for Microsoft SQL Server.

Who should read this guide

The target audience for this publication is system administrators who use IBM Spectrum Protect for Databases, Data Protection for Microsoft SQL Server. In this publication, it is assumed that you have a working knowledge of IBM Spectrum Protect for Databases, Data Protection for Microsoft SQL Server.

Publications

The IBM Spectrum Protect™ product family includes IBM Spectrum Protect Snapshot, IBM Spectrum Protect for Space Management, IBM Spectrum Protect for Databases, and several other storage management products from IBM®.

To view IBM product documentation, see IBM Knowledge Center.

Chapter 1. Introduction to Data Protection for Microsoft SQL Server messages

Messages with prefix ACO are issued by IBM Spectrum Protect for Databases, Data Protection for Microsoft SQL Server. Data Protection for Microsoft SQL Server interacts with the IBM Spectrum Protect backup-archive clients. When Data Protection for Microsoft SQL Server runs, you might see messages from backup-archive clients. Backup-archive clients messages have prefix ANS or prefix FMV, depending on which licenses you installed.

For information about ANS messages, see ANS 0000-9999 messages(http://www.ibm.com/support/knowledgecenter/SSEQVQ_8.1.4/client.msgs/r_client_messages.html).

For information about FMV messages, see FMV messages(http://www.ibm.com/support/knowledgecenter/SSERFV_8.1.4/fcm.msgs/fcm_fmv_messages.html).

A list of new and changed messages since the previous product modification level is available in the `client_message.chg` file in the installation directory.

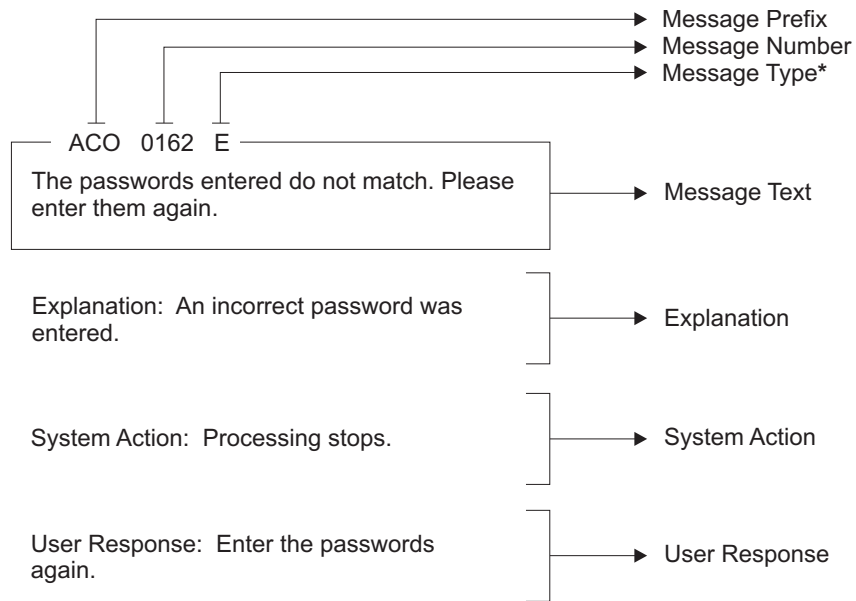
Data Protection for Microsoft SQL Server messages format

IBM Spectrum Protect for Databases, Data Protection for Microsoft SQL Server 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 Data Protection for Microsoft SQL Server 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.
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 are in italics.

Chapter 2. Data Protection for Microsoft SQL Server messages

IBM Spectrum Protect for Databases, Data Protection for Microsoft SQL Server messages are listed in ascending numerical order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

ACO0003S **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.

ACO0004E **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.

ACO0005E **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.

ACO0053E **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.

ACO0054E **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.

ACO0055E **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.

ACO0056E **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.

ACO0057E **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.

ACO0058E **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.

ACO0100E **Incomplete command:**

Explanation: This message displays the incomplete command that was entered.

System action: Processing ends.

User response: Re-enter the complete command.

ACO0101E 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.

ACO0102E Invalid command:

Explanation: This message displays the invalid command that was entered.

System action: Processing ends.

User response: Re-enter a valid command.

ACO0103E 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.

ACO0104E 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.

ACO0105E 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.

ACO0132W 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.

ACO0133W Could not locate installation directory. Attempting to continue...

Explanation: An attempt was made to read the registry to determine where the 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.

ACO0134W Could not locate log directory. Processing will continue...

Explanation: An attempt was made to read the registry to determine where the 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.

ACO0150I Operation canceled by user.

Explanation: The user has requested the application client end by entering ctrl-C.

System action: Processing ends.

User response: None

ACO0151E 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.

ACO0152I 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

ACO0153I **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

ACO0154E **The Data Protection for Microsoft SQL Server application client cannot work with the version of the IBM Spectrum Protect API you have installed. Please install version *version.release.level* or greater.**

Explanation: The version of the IBM Spectrum Protect 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 IBM Spectrum Protect API at or later than the indicated level. A copy is distributed with the Data Protection for Microsoft SQL Server application client.

ACO0155E **The Data Protection for Microsoft SQL Server application client cannot work with the release of IBM Spectrum Protect API you have installed. Please install release *version.release.level* or greater.**

Explanation: The release of the IBM Spectrum Protect 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 IBM Spectrum Protect API at or later than the indicated level. A copy is distributed with the Data Protection for Microsoft SQL Server application client.

ACO0156E **Could not load the IBM Spectrum Protect API.**

Explanation: The IBM Spectrum Protect API could not be loaded.

System action: Processing ends.

User response: Ensure the IBM Spectrum Protect 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 IBM Spectrum Protect API, if this is the case.

ACO0160E **An authentication error occurred with your stored IBM Spectrum Protect password.**

Explanation: You were unable to log on to the IBM Spectrum Protect server due an authentication error.

System action: Processing stops.

User response: The stored IBM Spectrum Protect password may have become corrupted. Contact your IBM Spectrum Protect server administrator.

ACO0161E **Authentication error. The password entered is not valid. You are not logged on to the IBM Spectrum Protect server.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the correct IBM Spectrum Protect password and try again.

ACO0162E **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.

ACO0163E **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.

ACO0167E **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

ACO0200E **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

ACO0201E 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

ACO0202E 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

ACO0203E 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

ACO0204E 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

ACO0205E 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

ACO0206E 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

ACO0207E 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

ACO0208E 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

ACO0209E 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

ACO0210E The IBM Spectrum Protect high level qualifier is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect high level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

ACO0211E The IBM Spectrum Protect low level qualifier is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect low level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

ACO0212E The IBM Spectrum Protect filesystem name is too long.

Explanation: An attempt was made to use a IBM Spectrum Protect filesystem name that was too long. This attempt failed.

System action: Processing ends.

User response: None

ACO0213E The maximum number of objects allowed per IBM Spectrum Protect transaction is too small.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the IBM Spectrum Protect server in a single transaction. The IBM Spectrum Protect 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 IBM Spectrum Protect server and retry the operation.

ACO0214E The backup object's management class backup copy group does not exist.

Explanation: The IBM Spectrum Protect server has indicated that the backup object's management class backup copy group does not exist.

System action: Processing ends.

User response: Contact your IBM Spectrum Protect server administrator.

ACO0215E 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 IBM Spectrum Protect 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 IBM Spectrum Protect server administrator.

ACO0216E 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

ACO0217E The IBM Spectrum Protect filesystem name is invalid.

Explanation: The filesystem name or directory delimiter is invalid.

System action: Processing ends.

User response: Check that the filesystem name length, characters, and directory delimiters are valid.

ACO0218E The IBM Spectrum Protect high level qualifier is invalid.

Explanation: The high level qualifier name or directory delimiter is invalid.

System action: Processing ends.

User response: Check that the high level qualifier name length, characters, and directory delimiters are valid.

ACO0219E The IBM Spectrum Protect low level qualifier is invalid.

Explanation: The low level qualifier name or directory delimiter is invalid.

System action: Processing ends.

User response: Check that the low level qualifier name length, characters, and directory delimiters are valid.

ACO0256E The password in your IBM Spectrum Protect options file has expired. Please change your password on the IBM Spectrum Protect server using the 'change password' command and then either change or remove the password value in your options file.

Explanation: Your IBM Spectrum Protect password has expired. You need to change your password.

System action: Processing ends.

User response: Obtain a new password for your IBM Spectrum Protect server; node using the change password command or by asking your IBM Spectrum Protect administrator to change your password.

ACO0257E Your password has expired.

Explanation: Your IBM Spectrum Protect password has expired. A new password needs to be obtained.

System action: Processing ends.

User response: Obtain a new password for your IBM Spectrum Protect node using the change password command or by asking your IBM Spectrum Protect administrator to change your password.

ACO0258E 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.

ACO0259E 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.

ACO0260I Password successfully changed.

Explanation: The change password command completed successfully

System action: Processing ends.

User response: None

ACO0261I There are no backups for the server named *servername*.

Explanation: There are no backups on the IBM Spectrum Protect server for the specified server name.

System action: Processing ends.

User response: None

ACO0262E 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 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 ISP Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

ACO0267E 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.

ACO0292E An unknown error has been detected. rc = *rc*

Explanation: An error occurred without an error message. The return code is displayed.

System action: Processing ends.

User response: Retry the operation. If this error persists, contact your service representative.

ACO0300E 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.

ACO0301E 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.

ACO0351E 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.

ACO0368E 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.

ACO0383E 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.

ACO0384E 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.

ACO0385E 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'.

ACO0476E *program-name: cannot open file file-spec: error.*

Explanation: Cannot open the file. The reason is given in the message.

System action: Cannot complete the requested operation.

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

ACO0487E 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.

ACO0488E 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. If the reason is *errno = 13*, Permission denied, you have the following policy setting control enabled, User Account Control: Turn on Admin Approval Mode.

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. If the reason is *errno = 13*, Permission denied, you should run the same operation in administrator mode.

ACO0495E Failure writing to a IBM Spectrum Protect 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.

ACO0496I 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.

ACO0497I 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.

ACO0498I 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.

ACO0501E 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 ISP Server is not correct to support this VSS operation.

System action: The VSS operation stops.

User response: Contact the ISP Server administrator to have the correct GRANT PROXY commands issued to enable proxy authority for the nodes. If the error persists, contact your service representative.

ACO0515E 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 is running for the DSMAGENT Node. If the error persists, contact your service representative.

ACO0516I 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 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.

**ACO0517I An unexpected error was encountered.
function name : *function-name*
function : *function-desc*
return code : *TSM-rc*
file : *file-name (line-number)***

Explanation: None.

System action: Processing stops.

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

ACO0518E Backups selected for restore must have the same backup location (ISP 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 ISP 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.

ACO0519E The VSS operation failed with rc = *returncode*.

Explanation: There was a failure when ISP performed the VSS operation.

System action: The VSS operation stops.

User response: Verify that the client acceptor is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

ACO0520E Failed to connect to Local DSMAGENT Node '*localdsmagentnode*' at address:port '*address:portnumber*'. Verify that the client acceptor is installed, configured, and running properly.

Explanation: An attempt was made to connect to the client acceptor 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 client acceptor and a ISP Remote Client Agent Service (DSMAGENT) installed and configured properly. In addition, the client acceptor must be running. Verify that the client acceptor is installed, configured, and running properly on the local machine. If the error persists, contact your service representative.

ACO0521E Pruning functions cannot open the 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 IBM Spectrum Protect 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.

ACO0522E 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.

ACO0524S 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.

ACO0555E Invalid number of snapshots:

Explanation:

System action: Policy was not created.

User response: Specify a number in the range: range: 1...9999 or NOLimit

ACO0556E 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

ACO0571E The specified policy was not found:
'policy'

Explanation:

System action:

User response: Please make sure that the specified policy exists.

ACO0572E The specified policy already exists:
'policy'

Explanation:

System action: Policy was not created.

User response: Enter a different name for the policy.

ACO0573E The specified policy could not be updated:
'policy'

Explanation: This is due to a problem in virtual server database.

System action: Processing stops.

User response: Make sure that IBM Spectrum Protect Snapshot is configured correctly.

ACO0574E The specified policy could not be deleted:
'policy'

Explanation: This is due to a problem in virtual server database.

System action: Processing stops.

User response: Make sure that IBM Spectrum Protect Snapshot is configured correctly.

ACO0575E The specified policy could not be created:
'policy'

Explanation: This is due to a problem in virtual server database.

System action: Processing stops.

User response: Make sure that IBM Spectrum Protect Snapshot is configured correctly.

ACO0576I 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.

ACO0581E 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 exclusive use of the volume is required.

ACO0583E Invalid name of policy specified. Valid input characters include alphanumeric characters and underscore.

Explanation:

System action: Policy was not created.

User response: Please specify a valid name.

ACO0585E Unable to connect to the client acceptor.

Explanation: Possible causes of this message include: The client acceptor 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.

System action: The VSS operation stops.

User response: Ensure that the client acceptor 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 operation.

ACO0588E 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 IBM Spectrum Protect 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 ISP. Data Protection for Microsoft SQL Server is only licensed to run data protection operations to a IBM Spectrum Protect server. It is not licensed to backup or to restore locally managed snapshots.

System action: Processing ends.

User response: Set the backup destination to ISP. 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 IBM Spectrum Protect Snapshot.

ACO0589E 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.

ACO0590E A Data Protection communication error with the IBM Spectrum Protect server has occurred.

Explanation: Communications with the IBM Spectrum Protect server has been lost.

System action: The operation stops.

User response: Correct the TCP/IP communications error with the IBM Spectrum Protect server and retry the operation.

ACO0591I Communications with the IBM Spectrum Protect server recovered.

Explanation: Communications with the IBM Spectrum Protect server has been successfully recovered.

System action: None.

User response: Continue with normal operations.

ACO0592E The TCP/IP session with the IBM Spectrum Protect server was canceled.

Explanation: The TCP/IP session with the IBM Spectrum Protect server was cancelled.

System action: The operation stops.

User response: Correct the reason the IBM Spectrum Protect server administrator cancelled the session and retry the operation.

ACO0593E 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.

ACO0594E You cannot perform offloaded VSS backups in a standalone configuration.

Explanation: OFFLOAD option is not available in a standalone configuration.

System action: The operation stops.

User response: In order to perform offloaded VSS backups you have to configure IBM Spectrum Protect Snapshot to manage snapshot backups using a IBM Spectrum Protect server. To do this, you can use the configuration wizard.

ACO0595E The options file 'optfile' does not exist. It is required for proper operation.

Explanation: The specified ISP 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 IBM Spectrum Protect configuration and try the operation again.

ACO0598E 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.

ACO0599E 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.

ACO0601E 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.

ACO0602E 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 ISP Client products that communicate with each other and ensure that they are all at the same version, release, and level.

ACO0603S 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.
- The DSM_CONFIG (or DSMI_CONFIG if you are using the Data Protection for Microsoft SQL Server API) environment variable specifies an options file that does not exist.
- You specified the TSMOPTFILE or FCMOPTFILE option when starting the Data Protection for Microsoft SQL Server client, but the option file you provided does not exist.

- You specified the TSMOPTFILE or FCMOPTFILE option when starting the Data Protection for Microsoft SQL Server client, but the configuration file that you provided does not have appropriate read permissions for the user that is running the operation.
- You specified the CONFIGFILE option when starting the Data Protection for Microsoft SQL Server client, but the configuration file you provided does not exist.
- You specified the CONFIGFILE option when starting the Data Protection for Microsoft SQL Server client, but the options file that you provided does not have appropriate read permissions for the user that is running the operation.

System action: Data Protection for Microsoft SQL Server client processing stops.

User response: Make sure that the 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 Data Protection for Microsoft SQL Server client manual specific to your operating system. If the problem persists, ask your Data Protection for Microsoft SQL Server administrator for further assistance.

FMF0604E The Backup you are mounting is not located on a SAN Volume Controller volume.

Explanation: Mounting with Snap Of A Snap is only supported with SVC volumes.

System action: Processing stopped.

User response: You may mount backups located as Read Only or Read Write with Snap Of A Snap disabled.

FMF0605E The SVC Hardware Provider is not installed.

Explanation: Mounting with Snap Of A Snap is only supported by the SVC Hardware Provider.

System action: Processing stopped.

User response: Install the SVC Hardware Provider. Or you may mount backups as Read Only or Read Write with Snap Of A Snap disabled.

FMF0606E The SVC Hardware Provider is not at minimum level.

Explanation: Mounting with Snap Of A Snap is only supported by the SVC Hardware Provider version 4.12 or higher.

System action: Processing stopped.

User response: Install SVC Hardware Provider version 4.12 or higher. Or you may mount backups as Read Only or Read Write with Snap Of A Snap disabled.

FMF0607E The SVC VSS Hardware Provider has reported an error.

Explanation: The SVC VSS Hardware Provider has reported an error.

System action: Processing stopped.

User response: See the SVC VSS Hardware Provider log for more details.

FMF0608E The backup type is not a COPY backup type.

Explanation: Only COPY or COPYFULL backup types maybe mounted read write when not using the Snap Of A Snap feature

System action: Processing stopped.

User response: Enable the USESNAPOFASNAPTOMOUNT configuration option if you have a supported environemnt.

FMF0609E The backup has been modified and cannot be restored.

Explanation: When you mount COPY or COPYFULL type backups as read/write, the backup data is modified. A backup with modified data cannot be used for restore operations.

System action: Processing stopped.

User response: Use an alternative backup, one that has not been modified, for your restore operations.

ACO0649E The disk provider does not support the snap of a snap feature. See more details in the VSS Requester error log file (baclient\dsmererror.log).

Explanation: You can use the snap of a snap feature only on SVC and Storwize systems.

System action: Processing ends.

User response: Reset the USESNAPOFASNAPTOMOUNT option to No in the Data Protection configuration file and set MOUNTRW=Yes to mount the read/write backup.

ACO0650E The mount point provided is invalid. It must be an existing empty folder, or a drive letter in case you mount a file system backup.

Explanation: The mount point provided is invalid. It must be an existing empty folder, or a drive letter in case you mount a file system backup.

System action: Processing ends.

User response: Provide an existing empty folder, or a drive letter in case you mount a file system backup.

ACO3000I 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 IBM Spectrum Protect Server activity log when a backup is started.

System action: None

User response: None Centrally logged

ACO3001I 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 IBM Spectrum Protect Server activity log when a database backup completes successfully.

System action: None

User response: None Centrally logged

ACO3002E 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 IBM Spectrum Protect Server activity log when a database restore fails.

System action: None

User response: None Centrally logged

ACO3003I 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 IBM Spectrum Protect Server activity log when a restore is started.

System action: None

User response: None Centrally logged

ACO3004I 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 IBM Spectrum Protect Server activity log when a database restore completes successfully.

System action: None

User response: None Centrally logged

ACO3005E **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 IBM Spectrum Protect Server activity log when a database restore fails.

System action: None

User response: None Centrally logged

ACO3006I **Data Protection for SQL: Starting backup for server *server name*.**

Explanation: This is an informational message written to the IBM Spectrum Protect Server activity log indicating the start of a backup.

System action: None

User response: None Centrally logged

ACO3007I **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 IBM Spectrum Protect Server activity log indicating the end of a backup request.

System action: None

User response: None Centrally logged

ACO3008I **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 IBM Spectrum Protect Server activity log indicating the end of a backup request.

System action: None

User response: None Centrally logged

ACO3009I **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 IBM Spectrum Protect Server activity log indicating that a backup request was canceled by the user.

System action: None

User response: None Centrally logged

ACO3010I **Data Protection for SQL: Starting restore for server *servername*.**

Explanation: This is an informational message written to the IBM Spectrum Protect Server activity log indicating the start of a restore.

System action: None

User response: None Centrally logged

ACO3011I **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 IBM Spectrum Protect Server activity log indicating the end of a restore.

System action: None

User response: None Centrally logged

ACO3012I **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 IBM Spectrum Protect Server activity log indicating that a backup request was canceled by the user.

System action: None

User response: None Centrally logged

ACO3013I **Data Protection for SQL: Starting Inactivate processing for backup objects from server** *servername*

Explanation: This is an informational message written to the IBM Spectrum Protect Server activity log when an inactivate process begins.

System action: None

User response: None Centrally logged

ACO3014I **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 ISP Server activity log to indicate the end of an inactivate command.

System action: None

User response: None

ACO3015I **Data Protection for SQL: Inactivating backup type backup backup object.**

Explanation: This is an informational message written to the IBM Spectrum Protect Server activity log when an inactivation of a backup object is started.

System action: None

User response: None Centrally logged

ACO3016I **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 IBM Spectrum Protect 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

ACO3528E **Data Protection for Microsoft SQL Server is only licensed to run data protection operations to the ISP server. It is not licensed to backup or to restore using locally managed snapshots.**

Explanation: Currently installed license allows to create and restore only VSS backups from ISP backup destination. In order to create backups and to restore local VSS backups, Data Protection for SQL requires that a valid fully-featured license for IBM Spectrum Protect Snapshot 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 for IBM Spectrum Protect Snapshot.

ACO3532E **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.

ACO5050I **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.

ACO5051I **The configuration file cannot be found, using default settings.**

Explanation: The file specified in the /configfile parameter cannot be found.

System action: Processing continues.

User response: Ensure the correct file name is specified.

ACO5052E **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.

ACO5053E 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.

ACO5054I 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

ACO5056I 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.

ACO5057I The *logfile* log file was pruned successfully.

Explanation: The log file mentioned pruned successfully.

System action: Processing continues.

User response: None.

ACO5058W 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.

ACO5059W 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.

ACO5060E A IBM Spectrum Protect API error has occurred.

Explanation: A IBM Spectrum Protect API error has occurred.

System action: Processing ends.

User response: Retry the operation. If the error persists, contact your service representative.

ACO5061E 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.

ACO5063I 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.

ACO5064W 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.

ACO5065E 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.

ACO5091E 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.

ACO5097I 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 license installed for Data Protection for SQL, and the Data Protection for SQL LOCALDSMAGENTNODE preference must be correctly set. Refer to the Data Protection for SQL User's Guide for details on configuring the client for VSS operations.

ACO5098E 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.

ACO5124E 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.

ACO5125E 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.

ACO5126E Invalid command. Data Protection for SQL only supports Legacy backups with a backup destination of ISP.

Explanation: An invalid backup destination was specified with the Legacy backup method. Data Protection for SQL only supports a backup destination of ISP when using the Legacy backup method.

System action: The backup operation is canceled.

User response: Retry the backup operation specifying a backup destination of ISP.

ACO5127E 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 if the backup destination is ISP or BOTH.

System action: The backup operation is canceled.

User response: Retry the VSS offloaded backup operation specifying a backup destination of ISP or BOTH.

ACO5128E 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 is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

ACO5129E Data Protection for SQL is unable to run VSS operations.
A valid license file for IBM Spectrum Protect Snapshot (fcmclient.lic) could not be located.

Explanation: In order to perform VSS operations, it is required that a valid license file for IBM Spectrum Protect Snapshot is installed in the IBM Spectrum Protect Snapshot 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.

ACO5170E 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.

ACO5171E 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.

ACO5172E 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.

ACO5186E 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.

ACO5188E BOTH may not be specified for /BACKUPDESTINATION, only ISP or LOCAL are valid.

Explanation: The restore command only allows specifying backup destinations of ISP or LOCAL for identifying database(s) to restore.

System action: The restore operation is canceled.

User response: Retry the restore operation specifying ISP or LOCAL with /BACKUPDESTINATION parameters.

ACO5195I 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 IBM Spectrum Protect Server activity log displaying additional statistics at the end of a backup request.

System action: None

User response: None Centrally logged

ACO5196I 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 IBM Spectrum Protect Server activity log indicating the end of a backup request.

System action: None

User response: None Centrally logged

ACO5197I 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 IBM Spectrum Protect Server activity log indicating the end of a restore.

System action: None

User response: None Centrally logged

ACO5198W 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.

ACO5204E None of the specified databases exist, or are available for backup.

Explanation: A request was made to backup databases which do not exist, or are not available.

System action: Processing ends.

User response: Ensure that all of the databases exist and are available, and restart the backup.

ACO5205E 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.

ACO5400E 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.

ACO5401E The Virtual Device Interface could not be created.

Explanation: The Virtual Device Interface could not be created. The SQL Server Virtual Device Interface (VDI) log or Windows 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.

ACO5402E The Virtual Device Set could not be created.

Explanation: The Virtual Device Set could not be created. The SQL Server Virtual Device Interface (VDI) log or Windows 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.

ACO5403E 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 (VDI) log, SQL Server activity log, SQL Server error log, or Windows application 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.

ACO5404E 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 (VDI) log, SQL Server activity log, SQL Server error log, or Windows application 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.

ACO5405E An unknown virtual device error has been detected.

Explanation: A virtual device returned an unknown return code. The SQL Server Virtual Device Interface (VDI) log, SQL Server activity log, SQL Server error log, or Windows application 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.

ACO5406E 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 (VDI) log, SQL server activity log, SQL Server error log, or Windows application 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.

ACO5407E The SQL Server aborted the operation.

Explanation: The SQL Server aborted the operation on the selected database. The SQL Server Virtual Device Interface (VDI) log, SQL Server activity log, SQL Server error log, or Windows application 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.

ACO5421E 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.

ACO5422E 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.

ACO5423E 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.

ACO5424E 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.

ACO5425E 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.

ACO5426E 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.

ACO5428E 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.

ACO5429E 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.

ACO5430E 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.

ACO5431E 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.

ACO5432E 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.

ACO5433E 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.

ACO5434E 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.

ACO5435E 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.

ACO5436E 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.

ACO5450E 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

ACO5452E Unable to delete temporary object: (*filepath 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 ISP server. This message indicates that the specified temporary backup data object could not be deleted from the ISP server. This error is usually caused by the loss of all ISP 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 ISP server.

ACO5453E The number of ISP sessions (*number of sessions*) is invalid for the specified number of stripes (*number of stripes*). Processing will continue with the number of ISP sessions (*number of sessions*) as the number of stripes.

Explanation: An invalid number of ISP 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 ISP sessions as the number of stripes.

User response: Try the operation again. Contact your service representative if this error persists.

ACO5454E The maximum number of objects allowed per ISP transaction (*number*) is invalid for the specified number of stripes (*number of stripes*). Processing will continue with *number* stripes.

Explanation: The maximum number of objects allowed per ISP transaction is invalid for the specified number of stripes for at least one of the ISP sessions. All ISP sessions must allow at least one more object per ISP 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 ISP server to increase the maximum number of logical files that a client can send to the server in a single transaction (TxnGrpMax).

ACO5455E 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.

ACO5456W 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.

ACO5457E 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 application 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.

ACO5458W The ISP Server 'backup delete' setting for node (*server node name*) is set to NO. It should be set to YES for proper operation. Processing continues.

Explanation: The ISP Server setting that allows ISP clients to delete their own backups is set to NO for the specified node name. The backup delete value must be set to YES in order for cleanup operations to complete successfully. A NO value means that unusable residual data might be stored on the ISP Server.

System action: Processing continues.

User response: Make sure the 'backup delete' setting for the specified node name is set to YES on the ISP Server. Your ISP Server administrator can change this setting for your node. The setting can only be changed on the ISP Server.

ACO5459W 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.

ACO5460W 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.

ACO5500E 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.

ACO5501E 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 installation is complete and try the operation again. Contact your service representative if this error persists.

ACO5550I There are no backups matching the filespec *directorypathfilename* and the server name *servername*.

Explanation: There are no database backups on the IBM Spectrum Protect server for the specified server name.

System action: Processing ends.

User response: None

ACO5551I There are no backups matching the criteria specified for server name *servername*.

Explanation: There are no database backups on the IBM Spectrum Protect 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.

ACO5552I 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.

ACO5616W 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.

ACO5617I 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.

ACO5629E 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.

ACO5630E 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

ACO5631E 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.

ACO5715E 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.

**ACO5716W An error was encountered with IBM Spectrum Protect API initialization, rc = *returncode*.
Examine the dserror.log for more information or determine if the ISP API is installed properly.**

Explanation: Errors were encountered during an attempt to run setup for the IBM Spectrum Protect API.

System action: Processing continues.

User response: Examine the dserror.log file to determine the problem. If this file does not exist, the ISP API may not be installed properly. If the ISP API is

not installed properly, install the ISP API and run the command again.

ACO5717E 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.

ACO5718I 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.

ACO5719I There are currently no backups on the ISP server.

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 ISP server or all active backups were inactivated.

ACO5720I 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.

ACO5721I 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.

ACO5722I 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.

ACO5723E 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.

ACO5770E Cannot read the SQL Server version from Windows registry.

Explanation: An attempt was made to read the SQL Server version for the provided server instance from the Windows registry. This attempt failed because the server name is not found in the registry.

System action: Processing for this operation ends.

User response: Provide an existing valid SQL Server instance.

ACO5784E 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.

ACO5804I 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.

ACO5915E An attempt to query detailed managed capacity failed.

Explanation:

System action:

User response:

ACO5958W 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.

ACO5959E Unable to run data protection operations to a IBM Spectrum Protect Snapshot virtual server.
A valid IBM Spectrum Protect Snapshot license file could not be located.

Explanation: In order to perform data protection operations to a IBM Spectrum Protect Snapshot virtual server, a valid license for IBM Spectrum Protect Snapshot must be installed in the IBM Spectrum Protect Snapshot 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.

ACO5960E This product is not licensed to run data protection operations to the ISP Server.
A valid license file for Data Protection for Microsoft SQL Server could not be located.
With the current licenses only data protection operations to the IBM Spectrum Protect Snapshot virtual server can be run.

Explanation: In order to perform data protection operations to the ISP server, a valid license for Data Protection for Microsoft SQL Server (called sqlclient.lic) must be installed. The license file for Data Protection for Microsoft SQL Server should be installed in the installation directory of Data Protection for Microsoft SQL Server.

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.

ACO5961E The parameters /BACKUPMETHOD or /BACKUPDESTINATION or both are invalid when performing data protection operations using a IBM Spectrum Protect Snapshot virtual server.

Explanation: Data protection commands default to /BACKUPMETHOD=VSS and /BACKUPDESTINATION=LOCAL when performed against a IBM Spectrum Protect Snapshot virtual server. The IBM Spectrum Protect Snapshot 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.

ACO5965E 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.

ACO5966E 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.

ACO5969E 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.

ACO6060I No matched backup is found according to the Query conditions.

Explanation: Information: No matched backup is found in ISP Server according to the Query conditions.

System action: Processing continues.

User response:

ACO6065E 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.

ACO6066E 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.

ACO6067E 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.

ACO6103I 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.

ACO6104I *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.

ACO6105I *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.

ACO6110W *Backup of database '*database name*' is bypassed because it is offline. Database attributes are *database attributes*.*

Explanation: Backup processing bypasses the offline database.

System action: Backup processing continues but the offline database is skipped.

User response: Ensure that the selected database is online or normal database and retry the backup.

ACO6111I *Backup of database '*database name*' is bypassed because it is a database snapshot. Database attributes are *database attributes*.*

Explanation: Backup processing bypasses the database snapshot.

System action: Backup processing continues but the database snapshot is skipped.

User response: Ensure that the selected database is online or normal database and retry the backup.

ACO6112W *Backup of database '*database name*' is bypassed because it is in restoring status. Database attributes are *database attributes*.*

Explanation: Backup processing bypasses the database with restoring status database.

System action: Backup processing continues but the database with restoring status database is skipped.

User response: Ensure that the selected database is online or normal database and retry the backup.

ACO6113I *Backup of database '*database name*' is bypassed because it is a mirrored database. Database attributes are *database attributes*.*

Explanation: Backup processing bypasses the mirrored database.

System action: Backup processing continues but the mirrored database is skipped.

User response: Ensure that the selected database is online or normal database and retry the backup.

ACO6114W *Backup bypassed some databases because of their status.*

Explanation: Backup processing bypasses the offline, snapshot, mirrored, or with restoring state database.

System action: Backup processing continues but some databases are skipped.

User response: Ensure that the skipped databases are online, and retry the backup.

ACO6115I *Backup of database '*database name*' is bypassed because it is offline. Database attributes are *database attributes*.*

Explanation: Backup processing bypasses the offline database.

System action: Backup processing continues but the offline database is skipped.

User response: Ensure that the selected database is online or normal database and retry the backup.

ACO6116I *Backup of database '*database name*' is bypassed because it is in restoring status. Database attributes are *database attributes*.*

Explanation: Backup processing bypasses the database with restoring status database.

System action: Backup processing continues but the database with restoring status database is skipped.

User response: Ensure that the selected database is

online or normal database and retry the backup.

ACO6117I Actions were taken to fix the error messages ACO5436E and FMV0328E.

Explanation: This is an informational message to let you know that the merge error was fixed.

System action: None

User response: None

ACO6200W 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 ISP configuration wizard. If the status of the Configuring Recovery Agent rule does not indicate Passed, there is a configuration problem.

ACO6201W The license for the Recovery Agent, part of the ISP 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 Data Protection for Microsoft SQL Server to recover Microsoft SQL databases from a VM backup.

System action: The software continues to run, but you cannot use Data Protection for Microsoft SQL Server to recover Microsoft SQL databases 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.

ACO6202W ISP Recovery Agent 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:

ACO6203I 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.

ACO6204I 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.

ACO6205E 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.

ACO6206W Database " was excluded from backup because the database name contains special string ".

Explanation: There are certain characters and strings that conflict with Data Protection for SQL backup operations. A database name that contained one of the special characters or strings was encountered during a backup operation. Therefore, it was excluded from the backup.

System action: The database was excluded from backup.

User response: Rename the database and retry the backup.

ACO6209W Database *database name* is being backed up on non-readable secondary replica. A restore operation with the database files relocation is not possible for this backup.

Explanation: The information about database files cannot be retrieved on non-readable secondary replica, and is not available for the restore process. A restore operation with the database files relocation cannot be run for these backups.

System action: Processing continues.

User response: To restore database files with a new location, the backup must be taken on the primary or readable secondary replica.

ACO6210W The backup for database *database name* does not contain information about database files. A restore operation is not possible for this backup.

Explanation: The information about database files cannot be retrieved from the backup.

System action: Processing continues.

User response: Check if the backup was taken on a non-readable secondary replica. If the restore operation with relocation fails, try restoring from a backup that was taken on a readable replica.

ACO6211E The file cannot be restored. The directory paths specified as the target locations do not exist or are invalid.

Explanation: The file cannot be restored to a target location that is non-existent or invalid. The target directory paths specified for the /relocatedir parameter must exist on the server and be valid.

System action: Processing stops.

User response: Verify that the target directory paths specified for the /relocatedir parameter exist on the server and are specified correctly.

ACO6212I Invalid objects (Filespace: ", HL: ", and LL: ') have been deactivated or not been found on the IBM Spectrum Protect server.

Explanation: During the full backup operation, the system found invalid objects on the IBM Spectrum Protect server as a result of a previous unsuccessful backup operation. When the full backup is complete, Data Protection for Microsoft SQL Server operations deactivate the invalid objects automatically.

System action: Data Protection for Microsoft SQL

Server operations deactivate the invalid objects on the IBM Spectrum Protect server automatically.

User response: No action is required.

ACO6213E The version of the installed SQL Server instance is not supported.

Explanation: The version of the installed SQL Server is not supported.

System action: Processing for this operation ends.

User response: Upgrade SQL Server to a supported level. If you proceed without upgrading, then the SQL Server is not supported.

ACO6214W The preference or preferences *preference list* that can be specified in the preference file *preference file name* are not valid for the current operation. Default values will be used instead.

Explanation: Some of the preference values specified in the configuration file are not valid for the current operation. Unless you specify valid corresponding options using the command line, default values will be used instead. Consult the Configuring or Reference information chapters of the Data Protection for Microsoft SQL Server Installation and User's Guide for valid preference values.

System action: Processing continues.

User response: Check the configuration file and correct the preference values per those outlined in the Configuring or Reference information chapters of the Data Protection for Microsoft SQL Server Installation and User's Guide.

Appendix. Accessibility features for the IBM Spectrum Protect product family

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully.

Overview

The IBM Spectrum Protect family of products includes the following major accessibility features:

- Keyboard-only operation
- Operations that use a screen reader

The IBM Spectrum Protect family of products uses the latest W3C Standard, WAI-ARIA 1.0 (www.w3.org/TR/wai-aria/), to ensure compliance with US Section 508 (www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/section-508-standards) and Web Content Accessibility Guidelines (WCAG) 2.0 (www.w3.org/TR/WCAG20/). To take advantage of accessibility features, use the latest release of your screen reader and the latest web browser that is supported by the product.

The product documentation in IBM Knowledge Center is enabled for accessibility. The accessibility features of IBM Knowledge Center are described in the Accessibility section of the IBM Knowledge Center help (www.ibm.com/support/knowledgecenter/about/releasenotes.html?view=kc#accessibility).

Keyboard navigation

This product uses standard navigation keys.

Interface information

User interfaces do not have content that flashes 2 - 55 times per second.

Web user interfaces rely on cascading style sheets to render content properly and to provide a usable experience. The application provides an equivalent way for low-vision users to use system display settings, including high-contrast mode. You can control font size by using the device or web browser settings.

Web user interfaces include WAI-ARIA navigational landmarks that you can use to quickly navigate to functional areas in the application.

Vendor software

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