

IBM Tivoli Storage Manager for Mail
Version 6.3.0

*Data Protection for Lotus Domino
Messages*



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Note:

Before using this information and the product it supports, read the information in "Notices" on page 41.

This edition applies to Version 6.3.0 of IBM Tivoli Storage Manager for Mail, Data Protection for Lotus Domino (product number 5608-E06) and to all subsequent releases and modification until otherwise indicated in new editions or technical newsletters.

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About this publication

IBM® Tivoli® Storage Manager for Mail, Data Protection for Lotus® Domino® is an enterprise-wide storage management application for the network. It backs up and restores Lotus Domino databases and transaction logs. When archival logging is used on the Domino server, it archives transaction log files and retrieves them as required for a database recovery. Database backups and archived transaction log files are stored on Tivoli Storage Manager storage.

This publication contains explanations and suggested actions for messages issued by IBM Tivoli Storage Manager for Mail, Data Protection for Lotus Domino.

Who should read this guide

The target audience for this publication is system administrators who use Tivoli Storage Manager for Mail, Data Protection for Lotus Domino.

Publications

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

To search all publications, go to the Tivoli Storage Manager information center at <http://publib.boulder.ibm.com/infocenter/tsminfo/v6r3>.

You can download PDF versions of publications from the Tivoli Storage Manager information center or from the IBM Publications Center at <http://www.ibm.com/shop/publications/order/>.

Go to Tivoli Documentation Central to find information centers that contain official product documentation for current and previous versions of Tivoli products, including the Tivoli Storage Manager product family. You can find Tivoli Documentation Central at <https://www.ibm.com/developerworks/wikis/display/tivolidoccentral/Home>.

You can also order some related publications from the IBM Publications Center website. The website provides information about ordering publications from countries other than the United States. In the United States, you can order publications by calling 1-800-879-2755.

Tivoli Storage Manager publications

The following tables list the publications that make up the Tivoli Storage Manager library.

Table 1. Tivoli Storage Manager server publications

Publication title	Order number
<i>IBM Tivoli Storage Manager for AIX Installation Guide</i>	GC23-9781
<i>IBM Tivoli Storage Manager for AIX Administrator's Guide</i>	SC23-9769
<i>IBM Tivoli Storage Manager for AIX Administrator's Reference</i>	SC23-9775
<i>IBM Tivoli Storage Manager for HP-UX Installation Guide</i>	GC23-9782
<i>IBM Tivoli Storage Manager for HP-UX Administrator's Guide</i>	SC23-9770
<i>IBM Tivoli Storage Manager for HP-UX Administrator's Reference</i>	SC23-9776
<i>IBM Tivoli Storage Manager for Linux Installation Guide</i>	GC23-9783
<i>IBM Tivoli Storage Manager for Linux Administrator's Guide</i>	SC23-9771
<i>IBM Tivoli Storage Manager for Linux Administrator's Reference</i>	SC23-9777
<i>IBM Tivoli Storage Manager for Oracle Solaris Installation Guide</i>	GC23-9784
<i>IBM Tivoli Storage Manager for Oracle Solaris Administrator's Guide</i>	SC23-9772
<i>IBM Tivoli Storage Manager for Oracle Solaris Administrator's Reference</i>	SC23-9778
<i>IBM Tivoli Storage Manager for Windows Installation Guide</i>	GC23-9785
<i>IBM Tivoli Storage Manager for Windows Administrator's Guide</i>	SC23-9773
<i>IBM Tivoli Storage Manager for Windows Administrator's Reference</i>	SC23-9779
<i>IBM Tivoli Storage Manager for z/OS Media Installation and User's Guide</i>	SC27-4018
<i>IBM Tivoli Storage Manager Upgrade and Migration Guide for V5 Servers</i>	GC27-4017
<i>IBM Tivoli Storage Manager Integration Guide for Tivoli Storage Manager FastBack®</i>	SC27-2828

Table 2. Tivoli Storage Manager storage agent publications

Publication title	Order number
<i>IBM Tivoli Storage Manager for SAN for AIX Storage Agent User's Guide</i>	SC23-9797
<i>IBM Tivoli Storage Manager for SAN for HP-UX Storage Agent User's Guide</i>	SC23-9798
<i>IBM Tivoli Storage Manager for SAN for Linux Storage Agent User's Guide</i>	SC23-9799
<i>IBM Tivoli Storage Manager for SAN for Oracle Solaris Storage Agent User's Guide</i>	SC23-9800
<i>IBM Tivoli Storage Manager for SAN for Windows Storage Agent User's Guide</i>	SC23-9553

Table 3. Tivoli Storage Manager client publications

Publication title	Order number
<i>IBM Tivoli Storage Manager for UNIX and Linux: Backup-Archive Clients Installation and User's Guide</i>	SC23-9791

Table 3. Tivoli Storage Manager client publications (continued)

Publication title	Order number
<i>IBM Tivoli Storage Manager for Windows: Backup-Archive Clients Installation and User's Guide</i>	SC23-9792
<i>IBM Tivoli Storage Manager Using the Application Programming Interface</i>	SC23-9793
<i>IBM Tivoli Storage Manager for Space Management for UNIX and Linux: User's Guide</i>	SC23-9794
<i>IBM Tivoli Storage Manager HSM for Windows Administration Guide</i>	SC23-9795

Table 4. Tivoli Storage Manager data protection publications

Publication title	Order number
<i>IBM Tivoli Storage Manager for Databases: Data Protection for Microsoft SQL Server Installation and User's Guide</i>	GC27-4010
<i>IBM Tivoli Storage Manager for Databases: Data Protection for Oracle for UNIX and Linux Installation and User's Guide</i>	SC27-4019
<i>IBM Tivoli Storage Manager for Databases: Data Protection for Oracle for Windows Installation and User's Guide</i>	SC27-4020
<i>IBM Tivoli Storage Manager for Mail: Data Protection for Microsoft Exchange Server Installation and User's Guide</i>	GC27-4009
<i>IBM Tivoli Storage Manager for Mail: Data Protection for Lotus Domino UNIX and Linux Installation and User's Guide</i>	SC27-4021
<i>IBM Tivoli Storage Manager for Mail: Data Protection for Lotus Domino for Windows Installation and User's Guide</i>	SC27-4022
<i>IBM Tivoli Storage Manager for Enterprise Resource Planning: Data Protection for SAP Installation and User's Guide for DB2</i>	SC33-6341
<i>IBM Tivoli Storage Manager for Enterprise Resource Planning: Data Protection for SAP Installation and User's Guide for Oracle</i>	SC33-6340
<i>IBM Tivoli Storage Manager for Virtual Environments Installation and User's Guide</i>	SC27-2898
<i>IBM Tivoli Storage Manager for Microsoft SharePoint Guide</i>	N/A

Table 5. IBM Tivoli Storage Manager troubleshooting and tuning publications

Publication title	Order number
<i>IBM Tivoli Storage Manager Problem Determination Guide</i>	GC23-9789
<i>IBM Tivoli Storage Manager Performance Tuning Guide</i>	GC23-9788
<i>IBM Tivoli Storage Manager Client Messages and Application Programming Interface Return Codes</i>	SC27-2878
<i>IBM Tivoli Storage Manager Server Messages and Error Codes</i>	SC27-2877
<i>IBM Tivoli Storage Manager for Mail: Data Protection for Microsoft Exchange Server Messages</i>	GC27-4011
<i>IBM Tivoli Storage Manager for Databases: Data Protection for Microsoft SQL Server Messages</i>	GC27-4012
<i>IBM Tivoli Storage Manager for Databases: Data Protection for Oracle Messages</i>	SC27-4014
<i>IBM Tivoli Storage Manager for Mail: Data Protection for Lotus Domino Messages</i>	SC27-4015

Table 5. IBM Tivoli Storage Manager troubleshooting and tuning publications (continued)

Publication title	Order number
IBM Tivoli Storage Manager for Enterprise Resource Planning: Data Protection for SAP Messages	SC27-4016

Note: You can find information about IBM System Storage® Archive Manager at http://publib.boulder.ibm.com/infocenter/tsminfo/v6r3/c_complydataretention_ovr.html.

Support information

You can find support information for IBM products from various sources.

Start at the IBM Support Portal: <http://www.ibm.com/support/entry/portal/>. You can select the products that you are interested in and search for a wide variety of relevant information.

Getting technical training

Information about Tivoli technical training courses is available online.

Go to the following websites to sign up for training, ask questions, and interact with others who use IBM storage products.

Tivoli software training and certification

Choose from instructor led, online classroom training, self-paced Web classes, Tivoli certification preparation, and other training options at <http://www.ibm.com/software/tivoli/education/>

Tivoli Support Technical Exchange

Technical experts share their knowledge and answer your questions in webcasts at http://www.ibm.com/software/sysmgmt/products/support/supp_tech_exch.html.

Storage Management community

Interact with others who use IBM storage management products at <http://www.ibm.com/developerworks/servicemanagement/sm/index.html>

Global Tivoli User Community

Share information and learn from other Tivoli users throughout the world at <http://www.tivoli-ug.org/>.

IBM Education Assistant

View short "how to" recordings designed to help you use IBM software products more effectively at <http://publib.boulder.ibm.com/infocenter/ieduasst/tivv1r0/index.jsp>

Searching knowledge bases

If you have a problem with your Tivoli Storage Manager family product, there are several knowledge bases that you can search.

Begin by searching the Tivoli Storage Manager Information Center at <http://publib.boulder.ibm.com/infocenter/tsminfo/v6r3>. From this website, you can search the current Tivoli Storage Manager documentation.

Searching the Internet

If you cannot find an answer to your question in the IBM Tivoli Storage Manager information center, search the Internet for the information that might help you resolve your problem.

To search multiple Internet resources, go to the IBM support website at <http://www.ibm.com/support/entry/portal/>.

You can search for information without signing in. Sign in using your IBM ID and password if you want to customize the site based on your product usage and information needs. If you do not already have an IBM ID and password, click **Sign in** at the top of the page and follow the instructions to register.

From the support website, you can search various resources including:

- IBM technotes
- IBM downloads
- IBM Redbooks® publications
- IBM Authorized Program Analysis Reports (APARs)

Select the product and click **Downloads** to search the APAR list.

If you still cannot find a solution to the problem, you can search forums and newsgroups on the Internet for the latest information that might help you find problem resolution.

An independent user discussion list, ADSM-L, is hosted by Marist College. You can subscribe by sending an email to listserv@vm.marist.edu. The body of the message must contain the following text: SUBSCRIBE ADSM-L *your_first_name your_family_name*.

To share your experiences and learn from others in the Tivoli Storage Manager and Tivoli Storage FlashCopy Manager user communities, go to the following wikis:

Tivoli Storage Manager wiki

<http://www.ibm.com/developerworks/wikis/display/tivolistoragemanager>

Tivoli Storage FlashCopy Manager wiki

[https://www.ibm.com/developerworks/mydeveloperworks/wikis/home/wiki/Tivoli Storage FlashCopy Manager](https://www.ibm.com/developerworks/mydeveloperworks/wikis/home/wiki/Tivoli%20Storage%20FlashCopy%20Manager)

Using IBM Support Assistant

IBM Support Assistant is a complimentary software product that can help you with problem determination. It is available for some Tivoli Storage Manager and Tivoli Storage FlashCopy Manager products.

To learn about which products are supported, go to the IBM Support Assistant download web page at <http://www.ibm.com/software/support/isa/download.html>.

IBM Support Assistant helps you gather support information when you must open a problem management record (PMR), which you can then use to track the problem. The product-specific plug-in modules provide you with the following resources:

- Support links
- Education links
- Ability to submit problem management reports

You can find more information at the IBM Support Assistant website:

<http://www.ibm.com/software/support/isa/>

You can also install the stand-alone IBM Support Assistant application on any workstation. You can then enhance the application by installing product-specific plug-in modules for the IBM products that you use. Find add-ons for specific products at <http://www.ibm.com/support/docview.wss?uid=swg27012689>.

Finding product fixes

A product fix to resolve your problem might be available from the IBM software support website.

You can determine what fixes are available by checking the IBM software support website at <http://www.ibm.com/support/entry/portal/>.

- If you previously customized the site based on your product usage:
 1. Click the link for your product, or a component for which you want to find a fix.
 2. Click **Downloads**, and then click **Fixes by version**.
- If you have not customized the site based on your product usage, click **Downloads** and search for your product.

Receiving notification of product fixes

You can receive notifications about fixes, flashes, upgrades, and other news about IBM products.

To sign up to receive notifications about IBM products, follow these steps:

1. From the support page at <http://www.ibm.com/support/entry/portal/>, click **Sign in to create, manage, or view your subscriptions** in the **Notifications** pane.
2. Sign in using your IBM ID and password. If you do not have an ID and password, click **register now** and complete the registration process.
3. Click **Manage all my subscriptions** in the **Notifications** pane.
4. Click the **Subscribe** tab and then click **Tivoli**.
5. Select the products for which you want to receive notifications and click **Continue**.

6. Specify your notification preferences and click **Submit**.

Contacting IBM Software Support

You can contact IBM Software Support if you have an active IBM subscription and support contract and if you are authorized to submit problems to IBM.

To obtain help from IBM Software Support, complete the following steps:

1. Ensure that you have completed the following prerequisites:
 - a. Set up a subscription and support contract.
 - b. Determine the business impact of your problem.
 - c. Describe your problem and gather background information.
2. Follow the instructions in “Submitting the problem to IBM Software Support” on page xii.

Setting up a subscription and support contract

Set up a subscription and support contract. The type of contract that you need depends on the type of product you have.

For IBM distributed software products (including, but not limited to, IBM Tivoli, Lotus, and Rational® products, as well as IBM DB2® and IBM WebSphere® products that run on Microsoft Windows or on operating systems such as AIX or Linux), enroll in IBM Passport Advantage® in one of the following ways:

- **Online:** Go to the Passport Advantage website at <http://www.ibm.com/software/lotus/passportadvantage/>, click **How to enroll**, and follow the instructions.
- **By telephone:** You can call 1-800-IBMSERV (1-800-426-7378) in the United States. For the telephone number to call in your country, go to the IBM Software Support Handbook web page at <http://www14.software.ibm.com/webapp/set2/sas/f/handbook/home.html> and click **Contacts**.

Determining the business impact

When you report a problem to IBM, you are asked to supply a severity level. Therefore, you must understand and assess the business impact of the problem you are reporting.

Severity 1	Critical business impact: You are unable to use the program, resulting in a critical impact on operations. This condition requires an immediate solution.
Severity 2	Significant business impact: The program is usable but is severely limited.
Severity 3	Some business impact: The program is usable with less significant features (not critical to operations) unavailable.
Severity 4	Minimal business impact: The problem causes little impact on operations, or a reasonable circumvention to the problem has been implemented.

Describing the problem and gathering background information

When explaining a problem to IBM, it is helpful to be as specific as possible. Include all relevant background information so that IBM Software Support specialists can help you solve the problem efficiently.

To save time, know the answers to these questions:

- What software versions were you running when the problem occurred?
- Do you have logs, traces, and messages that are related to the problem symptoms? IBM Software Support is likely to ask for this information.
- Can the problem be re-created? If so, what steps led to the failure?
- Have any changes been made to the system? For example, hardware, operating system, networking software, and so on.
- Are you using a workaround for this problem? If so, be prepared to explain it when you report the problem.

Submitting the problem to IBM Software Support

You can submit the problem to IBM Software Support online or by telephone.

Online

Go to the IBM Software Support website at [http://www.ibm.com/support/entry/portal/Open_service_request/Software/Software_support_\(general\)](http://www.ibm.com/support/entry/portal/Open_service_request/Software/Software_support_(general)). Sign in to access IBM Service Requests and enter your information into the problem submission tool.

By telephone

For the telephone number to call in your country, go to the IBM Software Support Handbook at <http://www14.software.ibm.com/webapp/set2/sas/f/handbook/home.html> and click **Contacts**.

Chapter 1. Introduction to Data Protection for Lotus Domino messages

This publication contains explanations and suggested actions for messages issued by Tivoli Storage Manager for Mail, Data Protection for Lotus Domino.

This introduction contains information to help you to understand the messages issued by this component.

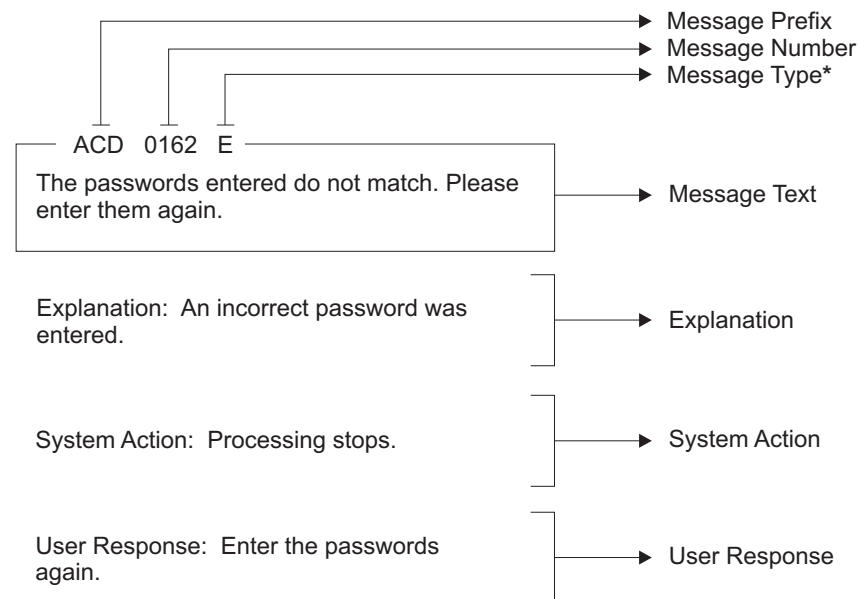
Data Protection for Lotus Domino messages format

Messages consist of the following elements:

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

The image below presents a typical message.

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



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

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

E	Error	Processing cannot continue.
W	Warning	Processing can continue, but problems might occur later.

I Information Processing continues. User response is not necessary.

Message variables in the message text appear in italics.

Chapter 2. ACD: Data Protection for Lotus Domino messages version 6.3

This section contains ACD messages for IBM Tivoli Storage Manager for Mail, Data Protection for Lotus Domino version 6.3.

ALL prefix ACD messages are issued by IBM Tivoli Storage Manager for Mail, Data Protection for Lotus Domino.

Version 6.3.0 messages that are new or changed since the previous release are listed in one section. All version 6.3.0 messages are documented in another section.

Data Protection for Lotus Domino version 6.3.0 messages changes from the previous version

This section lists the version 6.3.0 ACD messages that are new or changed since the previous version. Only the message ID is listed.

ACD0292E
ACD0588E
ACD0589E
ACD0590E
ACD0591I
ACD0592E
ACD0593E
ACD0594E
ACD0595T
ACD5150E
ACD5218E
ACD5404E
ACD5450E
ACD5461I
ACD5462I
ACD5463I
ACD5464I
ACD5465I
ACD5466I
ACD5720E
ACD5721E
ACD5722E
ACD5723E
ACD5724E
ACD5725E
ACD5844T
ACD5845T
ACD5846T

Data Protection for Lotus Domino version 6.3.0 messages

This section documents the Data Protection for Lotus Domino 6.3.0 messages. The messages are listed in ascending numeric order. The complete message is documented, including message ID, message text, explanation, system action, and user response.

ACD0003S **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.

ACD0004E **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.

ACD0005E **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.

ACD0053E **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.

ACD0054E **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.

ACD0055E **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.

ACD0056E **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.

ACD0057E **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.

ACD0058E **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.

ACD0100E **Incomplete command:**

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

System action: Processing ends.

User response: Re-enter the complete command.

ACD0101E 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.

ACD0102E Invalid command:

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

System action: Processing ends.

User response: Re-enter a valid command.

ACD0103E 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.

ACD0104E 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.

ACD0105E 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.

ACD0132W 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.

ACD0133W Could not locate installation directory. Attempting to continue...

Explanation: An attempt was made to read the registry to determine where the Tivoli Data Protection application client was installed. This attempt failed.

System action: Processing will continue with the command entered.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

ACD0134W Could not locate log directory. Processing will continue...

Explanation: An attempt was made to read the registry to determine where the Tivoli Data Protection application client log is located. This attempt failed.

System action: Processing will continue with the command entered.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem. If the problem can not be determined, it may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

ACD0150I Operation canceled by user.

Explanation: The user has requested that the Data Protection for Lotus Domino application client end by entering ctrl-C.

System action: Processing ends.

User response: None

ACD0151E 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.

ACD0152I 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

ACD0153I **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

ACD0154E **The Data Protection for Lotus Domino application client cannot work with the version of the Tivoli Storage Manager API you have installed. Please install version** *version.release.level* **or greater.**

Explanation: The version of the Tivoli Storage Manager API currently installed on the system is older than the version used to build the Data Protection for Lotus Domino application client.

System action: Processing ends.

User response: Install a version of the Tivoli Storage Manager API at or later than the indicated level. A copy is distributed with the Data Protection for Lotus Domino application client.

ACD0155E **The Data Protection for Lotus Domino application client cannot work with the release of Tivoli Storage Manager API you have installed. Please install release** *version.release.level* **or greater.**

Explanation: The release of the Tivoli Storage Manager API currently installed on the system is older than the release used to build the Data Protection for Lotus Domino application client.

System action: Processing ends.

User response: Install a release of the Tivoli Storage Manager API at or later than the indicated level. A copy is distributed with the Data Protection for Lotus Domino application client.

ACD0156E **Could not load the Tivoli Storage Manager API.**

Explanation: The Tivoli Storage Manager API could not be loaded.

System action: Processing ends.

User response: Ensure the Tivoli Storage Manager API is correctly installed. Run the Data Protection for Lotus Domino application client with the /TRACEFLAGS=API /TRACEFILE=filename options and view the tracefile to determine why it could not be loaded. Another possible cause is that the TSMAPI.DLL does not exist in the system directory. Re-install the Tivoli Storage Manager API, if this is the case.

ACD0160E **An authentication error occurred with your stored Tivoli Storage Manager password.**

Explanation: You were unable to log on to the Tivoli Storage Manager server due an authentication error.

System action: Processing stops.

User response: The stored Tivoli Storage Manager password may have become corrupted. Contact your Tivoli Storage Manager server administrator.

ACD0161E **Authentication error. The password entered is not valid. You are not logged on to the Tivoli Storage Manager server.**

Explanation: An incorrect password was entered.

System action: Processing stops.

User response: Enter the correct Tivoli Storage Manager password and try again.

ACD0162E **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.

ACD0163E **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.

ACD0167E **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

ACD0200E **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

ACD0201E 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

ACD0202E 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

ACD0203E 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

ACD0204E 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

ACD0205E 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

ACD0206E 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

ACD0207E 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

ACD0208E 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

ACD0209E 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

ACD0210E The Tivoli Storage Manager high level qualifier is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager high level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

ACD0211E The Tivoli Storage Manager low level qualifier is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager low level qualifier that was too long. This attempt failed.

System action: Processing ends.

User response: None

ACD0212E The Tivoli Storage Manager filesystem name is too long.

Explanation: An attempt was made to use a Tivoli Storage Manager filesystem name that was too long. This attempt failed.

System action: Processing ends.

User response: None

ACD0213E The maximum number of objects allowed per Tivoli Storage Manager transaction is too small.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the Tivoli Storage Manager server in a single transaction. The Tivoli Storage Manager server has indicated that the maximum number of objects allowed per transaction is less than the minimum required by the Data Protection for Lotus Domino application client.

System action: Processing ends.

User response: Increase the maximum number of objects allowed per transaction on the Tivoli Storage Manager server and retry the operation.

ACD0214E The backup object's management class backup copy group does not exist.

Explanation: The Tivoli Storage Manager server has indicated that the backup object's management class backup copy group does not exist.

System action: Processing ends.

User response: Contact your Tivoli Storage Manager server administrator.

ACD0215E All backup objects do not have the same management class backup copy destination.

Explanation: In order to maintain backup data integrity, multiple backup objects are sent to the Tivoli Storage Manager server within a single transaction. All backup objects within a single transaction are required to have the same management class backup copy destinations.

System action: Processing ends.

User response: Contact your Tivoli Storage Manager server administrator.

ACD0216E 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

ACD0217E The Tivoli Storage Manager 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.

ACD0218E The Tivoli Storage Manager 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.

ACD0219E The Tivoli Storage Manager 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.

ACD0256E The password in your Tivoli Storage Manager options file has expired. Please change your password on the Tivoli Storage Manager server using the 'change password' command and then either change or remove the password value in your options file.

Explanation: Your Tivoli Storage Manager password has expired. You need to change your password.

System action: Processing ends.

User response: Obtain a new password for your Tivoli Storage Manager server; node using the change password command or by asking your Tivoli Storage Manager Administrator to change your password.

ACD0257E Your password has expired.

Explanation: Your Tivoli Storage Manager password has expired. A new password needs to be obtained.

System action: Processing ends.

User response: Obtain a new password for your Tivoli Storage Manager node using the change password command or by asking your Tivoli Storage Manager Administrator to change your password.

ACD0258E 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.

ACD0259E 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.

ACD0260I Password successfully changed.

Explanation: The change password command completed successfully

System action: Processing ends.

User response: None

ACD0261I There are no backups for the server named *servername*.

Explanation: There are no backups on the Tivoli Storage Manager server for the specified server name.

System action: Processing ends.

User response: None

ACD0262E 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 Domino log file, the TSM Client error log file (DSMERROR.LOG), the Windows Application Event Log, the Windows System Event Log, and the VSS provider log file, if applicable. Additional instructions for Windows VSS operations are located in the TSM Problem Determination Guide. Correct the problem and retry the operation. If this error persists, contact your service representative.

ACD0263E Failed to start Web browser with a return code of *returncode*.

Explanation: An attempt was made to start the web browser to view the TSM HTML book. This attempt failed.

System action: Processing ends.

User response: Start your web browser manually and point it to bookfrm.htm in the agent htm directory.

ACD0264I Could not find the default browser defined. An attempt will be made to use Microsoft Internet Explorer.

Explanation: An attempt was made to read the registry to determine the default browser. However, a default browser is not defined. A determination will be made where Microsoft Internet Explorer is installed.

System action: Processing continues.

User response: It is possible that a default browser is not defined for the system. This is okay. An attempt will be made to use Microsoft Internet Explorer.

ACD0265E Could not find Internet Explorer.

Explanation: An attempt was made to read the registry to determine where Microsoft's Internet Explorer was installed. This attempt failed.

System action: Processing ends.

User response: Make sure that the registry is set up correctly for Internet Explorer.

ACD0266E Could not find the Tivoli Storage Manager HTML books.

Explanation: An attempt was made to read the registry to determine where the Tivoli Storage Manager books were installed. This attempt failed.

System action: Processing ends.

User response: It may be necessary to reinstall the application client code. This will ensure that the registry entries are set up correctly.

ACD0267E 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.

ACD0292E An unknown error has been detected. rc = *rc*

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

System action: Processing ends.

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

ACD0300E 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.

ACD0301E 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.

ACD0351E 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.

ACD0357E Unable to open trace output file *file-name*.

Explanation: A TRACEFILE option in the user configuration file or on the command line used a directory path and *file-name* combination to which you do not have write access.

System action: Client program did not initialize.

User response: Change the TRACEFILE value so that it is a location to which you have write access.

ACD0366E Unable to close trace output file *file-name*.

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

System action: Processing continues.

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

ACD0367E Unable to write to trace file *tracefile*. Tracing disabled.

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

System action: Tracing is disabled. Processing continues.

User response: Ensure the device that the *tracefile* access is available and has sufficient space for the tracefile. Retry the command.

ACD0368E 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.

ACD0383E 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.

ACD0384E 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.

ACD0385E 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*'.

ACD0476E *program-name*: cannot open file *file-spec*: *error*.

Explanation: DP cannot open the file.

System action: DP cannot complete the requested operation.

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

ACD0487E 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.

ACD0488E **Initialization functions cannot open the error log: *log-name*. *errno* = *errno-value*,**

Explanation: The file *log-name* could not be opened during initialization. The system set the error code *errno-value*. If the reason given is "access denied," the current user does not have permission to write to the log in the directory specified. It is also possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write. You may also use the ERRORLOGNAME option to specify a file to which the current has write permission.

ACD0495E **Failure writing to a Tivoli Storage Manager log or log-related file: *file-name*, *errno* = *errno-value*, *reason***

Explanation: A failure was encountered when writing to one of the log files or a related file named *file-name*. The system set the error code *errno-value*. *reason* is the system explanation of that error code. Among other things, it is possible that no space is available at the given log location.

System action: Processing terminates.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory with adequate space to write the log data.

ACD0496I **DP is converting the *log-file* from continuous (pruning) mode to wrapping mode. This process may take several minutes.**

Explanation: The *log-file* was previously in 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.

ACD0497I **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.

ACD0498I ***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.

ACD0501E **Invalid Proxy Configuration Detected: Target Node '*targetnode*' is not listed as a valid node to proxy to for Node Name '*nodename*'.**

Explanation: The proxy node configuration on the TSM Server is not correct to support this VSS operation.

System action: The VSS operation stops.

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

ACD0515E **Invalid DSMAGENT Node configuration found for node '*dsmagentnode*'.**

Explanation: The DSMAGENT Node specified is not configured properly.

System action: The VSS operation stops.

User response: Verify that the DSMAGENT Node specified is correct and that the Client Acceptor Daemon (CAD) is running for the DSMAGENT Node. If the error persists, contact your service representative.

ACD0516I **The Windows console event handler received a '*event*' console event.**

Explanation: A console event was received by one of the Data Protection for Lotus Domino 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.

ACD0517I **An unexpected error was encountered. DP function name : *function-name* DP function : *function-desc* DP return code : *TSM-rc* DP file : *file-name* (*line-number*)**

Explanation: None.

System action: Processing stops.

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

ACD0518E Backups selected for restore must have the same backup location (TSM or LOCAL).

Explanation: A VSS restore operation was submitted that specified multiple backup objects. The backup objects chosen had different backup locations. This is not allowed. All backup objects submitted in the same VSS restore operation must have the same backup location, either TSM or LOCAL, but not both.

System action: The VSS restore operation stops.

User response: Retry the VSS restore operation specifying one backup object at a time.

ACD0519E The VSS operation failed with rc = *returncode*.

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

System action: The VSS operation stops.

User response: Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly on the machine. Retry the operation. If the error persists, contact your service representative.

ACD0520E Failed to connect to Local DSMAGENT Node '*localdsmagentnode*' at address:port '*address:portnumber*'. Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly.

Explanation: An attempt was made to connect to the TSM Client Acceptor Daemon (CAD) running on the local machine. A communication error occurred when this connection was attempted.

System action: The operation stops.

User response: In order to perform VSS operations, you must have a TSM Client Acceptor Daemon (CAD) and a TSM Remote Client Agent Service (DSMAGENT) installed and configured properly. In addition, the TSM Client Acceptor Daemon (CAD) must be running. Verify that the TSM Client Acceptor Daemon (CAD) is installed, configured, and running properly on the local machine. If the error persists, contact your service representative.

ACD0521E Pruning functions cannot open one of the Tivoli Storage Manager prune files: *log-name*. *errno* = *errno-value*,

Explanation: The file "*log-name*" could not be opened during pruning. The system set the error code

errno-value. If the reason given is "access denied," the current user does not have permission to write to the file in the directory specified. It is also possible that no space is available at the given file location or another Tivoli Storage Manager process started by different user id is performing pruning at the same time.

System action: Pruning stops, processing continues.

User response: Set the DSM_LOG (or DSMI_LOG) environment variable to a directory into which the current user can write.

ACD0522E 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.

ACD0524S 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.

ACD0555E Invalid number of snapshots:

Explanation:

System action: Policy was not created.

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

ACD0556E 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

ACD0571E The specified policy was not found: '*policy*'

Explanation:

System action:

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

ACD0572E **The specified policy already exists:**
'policy'

Explanation:

System action: Policy was not created.

User response: Enter a different name for the policy.

ACD0573E **The specified policy could not be updated:** *'policy'*

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

System action:

User response: Make sure that FCM is configured correctly.

ACD0574E **The specified policy could not be deleted:** *'policy'*

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

System action:

User response: Make sure that FCM is configured correctly.

ACD0575E **The specified policy could not be created:** *'policy'*

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

System action:

User response: Make sure that FCM is configured correctly.

ACD0576I **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.

ACD0583E **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.

ACD0585E **Unable to connect to the TSM Client Acceptor Daemon (CAD).**

Explanation: Possible causes of this message include: The TSM Client Acceptor Daemon (CAD) is not running. The VSSALTSTAGINGDIR option setting in the TDP option file is not set to the same value as the VSSALTSTAGINGDIR option setting in the Data Protection for Lotus Domino Remote Client Agent Service (DSMAGENT) option file. They must be set to the same value for successful TDP operations.

System action: The VSS operation stops.

User response: Ensure that the TSM Client Acceptor Daemon (CAD) is running. Ensure that the VSSALTSTAGINGDIR option setting in the TDP option file is set to the same value as the VSSALTSTAGINGDIR option setting in the Data Protection for Lotus Domino Remote Client Agent Service (DSMAGENT) option file. After correcting the VSSALTSTAGINGDIR option inconsistency, retry the TDP operation.

ACD0588E **The value for the BACKUPDESTINATION option is not allowed. Data Protection for Lotus Domino is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to backup or to restore locally managed snapshots.**

Explanation: The value for the configuration option is not allowed. The only allowed value is TSM. Data Protection for Lotus Domino is only licensed to run data protection operations to a Tivoli Storage Manager server. It is not licensed to backup or to restore locally managed snapshots.

System action: Processing ends.

User response: Set the backup destination to TSM. In order to create and restore local VSS backups it is required to use and install a fully-featured valid license or to purchase an upgrade, and install Tivoli Storage FlashCopy Manager. If you use Data Protection for Lotus Domino it is also required to purchase and install IBM Tivoli Storage FlashCopy Manager.

ACD0589E **You are not allowed to set REMOTEDSMAGENTnode option. Data Protection for Lotus Domino is not licensed to perform offloaded VSS backups.**

Explanation: The REMOTEDSMAGENTnode option is used to perform offloaded VSS backups.

System action: The operation stops.

User response: In order to perform offloaded VSS backups install a valid fully-featured license. If you use Data Protection for Lotus Domino it is also required to purchase and install IBM Tivoli Storage FlashCopy

Manager. Contact your service representative to find out purchase details.

ACD0590E **A Data Protection communication error with the Tivoli Storage Manager server has occurred.**

Explanation: Communications with the Tivoli Data Protection server has been lost.

System action: The operation stops.

User response: Correct the TCP/IP communications error with the Tivoli Storage Manager server and retry the operation.

ACD0591I **Data Protection communications with the Tivoli Storage Manager server has been successfully recovered.**

Explanation: Communications with the Tivoli Data Protection server has been successfully recovered.

System action: None.

User response: Continue with normal operations.

ACD0592E **The Data Protection TCP/IP session with the Tivoli Storage Manager server was canceled.**

Explanation: The Data Protection TCP/IP session with the Tivoli Storage Manager server was cancelled.

System action: The operation stops.

User response: Correct the reason the Tivoli Storage Manager server administrator cancelled the session and retry the operation.

ACD0593E **Data Protection for Lotus Domino is not licensed to perform offloaded VSS backups.**

Explanation: Currently installed license does not allow to perform offloaded VSS backups. In order to use this feature it is necessary to install a valid fully-featured license.

System action: The operation stops.

User response: In order to perform offloaded VSS backups install a valid fully-featured license. If you use Data Protection for Lotus Domino it is also required to purchase and install IBM Tivoli Storage FlashCopy Manager. Contact your service representative to find out purchase details.

ACD0594E **You cannot perform offloaded VSS backups in TSM Server independent environment.**

Explanation: OFFLOAD option is not available in TSM Server independent environment.

System action: The operation stops.

User response: In order to perform offloaded VSS backups you have to configure Tivoli Storage FlashCopy Manager to manage snapshot backups using a Tivoli Storage Manager server. To do this you can use Tivoli Storage Manager configuration wizard.

ACD0595T **The options file 'optfile' does not exist. It is required for proper operation.**

Explanation: The specified TSM API options file could not be found. It is required in order to complete the command.

System action: Processing ends.

User response: Make sure to complete Tivoli Storage Manager configuration and try the operation again.

ACD5022I **A new configuration file has been created.**

Explanation: The /configfile value specified a file name that does not exist. A new file was created.

System action: Processing continues.

User response: None.

ACD5023W **The configuration file cannot be found, using default settings.**

Explanation: The /configfile value specified a file that cannot be found. Default settings are used.

System action: Processing continues.

User response: Ensure the correct file name is specified, then enter the command again.

ACD5025E **PASSWORDACCESS is Generate. Either the stored password is incorrect or there is no stored password. If you do not have a stored password, use of the -ADSMPWD=xxx option will set and store your password.**

Explanation: The PASSWORDACCESS option specifies generate in the client options files. There is currently no stored password. An initial password needs to be stored.

System action: Processing ends.

User response: Invoke the command again using the -ADSMPWD option. Subsequent commands should now complete without specifying a password.

ACD5110E **Could not locate the Domino server configuration file (notes.ini).**

Explanation: The Data Protection for Lotus Domino application client could not find the Domino server configuration file (notes.ini) file.

System action: Processing ends.

User response: Ensure that either the 'notes.ini' file is specified in the PATH statement or that the 'NOTESInipath' configuration parameter is correct.

ACD5111E Error getting the name of the Domino data directory.

Explanation: The Lotus Domino API could not return the name of the Domino data directory.

System action: Processing ends.

User response: Ensure the Lotus Domino server is correctly installed.

ACD5115E No databases were found that match the file specification entered.

Explanation: The Lotus Domino Server was searched for databases that matched the entered file specification. No databases were found.

System action: Processing ends.

User response: Correct the file specification and try the operation again.

ACD5125E No DB2 groups were found that match the group specification entered.

Explanation: The Lotus Domino Server was searched for DB2 groups that matched the entered group specification. No DB2 groups were found.

System action: Processing ends.

User response: Correct the group specification and try the operation again.

ACD5128E The user specified NotesIniPath does not exist. Verify that the path setup for the NotesIniPath preference really exists.

Explanation: The IBM Tivoli Storage Manager for Mail application client could not find the specified NotesIniPath.

System action: Processing ends.

User response: Issue the 'DOMDSMC QUERY PREFERENCES' command to ensure that the NotesIniPath is correctly specified in the preferences file.

ACD5129E The Lotus Domino Server program executable directory was not found.

Explanation: The Data Protection for Lotus Domino application client could not find the Lotus Domino Server program executable directory.

System action: Processing ends.

User response: Ensure that the PATH statement contains the Lotus Domino Server program executable directory, then retry the operation.

ACD5130E Could not initialize the connection to Lotus Domino properly. error=errorcode

Explanation: The Data Protection for Lotus Domino application client could not initialize Lotus Domino properly. The error code is given.

System action: Processing ends.

User response: Ensure that Data Protection for Lotus Domino and the Lotus Domino Server are properly installed, then try the operation again.

ACD5132E The DB2 group specification is invalid. Specify a DB2 group name.

Explanation: A database file specification was entered instead of DB2 group specification. Specify a DB2 group.

System action: Processing ends.

User response: Correct the group specification and try the operation again.

ACD5134E The Domino server is not DB2 enabled.

Explanation: Data Protection for Domino DB2 commands are available only when the Domino server is DB2 enabled.

System action: Processing ends.

User response: Enable the Domino server for DB2.

ACD5135E The DB2 backup TSM objects cannot be found. Please verify that TSM API options file used by DB2 specifies the same NODENAME and TCPSERVERADDRESS options as the TSM options file used by Data Protection for Domino. The DSMI_CONFIG environment variable specifies the TSM API options file used by DB2.

Explanation: The DB2 API uses the TSM API options file specified by the DSMI_CONFIG environment variable. If the NODENAME and TCPSERVERADDRESS options specified in this file do not match those of the TSM options used by Data Protection for Domino, then Data Protection for Domino cannot manage DB2 backups.

System action: Processing ends.

User response: Update NODENAME and TCPSERVERADDRESS options to match those used by Data Protection for Domino, or, use specify the same

options file for Data Protection for Domino and for DB2.

ACD5136E DB2 Database *database* cannot be found in the DB2 pending file.

Explanation: There is no entry for the specified database in the pending DB2 file.

System action: Processing ends.

User response: An entry in the DB2 pending file is created only after a successful restore is performed. Restore the DB2 database or DB2 group and then rollforward the DB2 database.

ACD5137E DB2 Database *database* is not in rollforward pending state.

Explanation: The DB2 database must be in rollforward pending state. The DB2 database is in rollforward pending state after a successful restore.

System action: Processing ends.

User response: Restore the DB2 database or the DB2 group.

ACD5138E DB2 as a data store is not supported by this Domino server.

Explanation: The Lotus Domino Server does not support DB2 as a data store.

System action: Processing ends.

User response: The command is not supported for this Domino server.

ACD5139E There is no db2database entry in the notes.ini file

Explanation: The name of the Lotus Domino Server DB2 database was not found in the notes.ini file

System action: Processing ends.

User response: Ensure the Lotus Domino Server is correctly enabled for DB2 as a data store.

ACD5140E There is no db2instance entry in the notes.ini file

Explanation: The name of the Lotus Domino Server DB2 instance was not found in the notes.ini file

System action: Processing ends.

User response: Ensure the Lotus Domino Server is correctly enabled for DB2 as a data store.

ACD5141E Unable to start the Data Protection for Lotus Domino DB2 agent.

Explanation: The application was unable to start the Data Protection for Lotus Domino DB2 agent.

System action: Processing ends.

User response: Verify the DOMDB2 agent, domdb2c, is correctly installed and check the log file errors.

ACD5142E The alternate DB2 database already exists.

Explanation: The db2restore operation failed because the alternate DB2 database already exists.

System action: Processing ends.

User response: Set the DB2REPLACE option to Yes or specify an alternate DB2 database that does not exist.

ACD5143E The specified -INTO option is invalid. The path must be a relative path.

Explanation: The command is not executed because the value specified for the -INTO option is invalid.

System action: Processing ends.

User response: Specify a relative path with the -INTO option.

ACD5144E The specified point-in-time is invalid. The roll forward point-in-time date : *date* must be greater than the backup date: *time*

Explanation: The command is not executed because the [date[,time]] specified with the -APPLYLogs option is invalid.

System action: Processing ends.

User response: Specify a [date[,time]] that is later than the backup date.

ACD5145E The DB2USER configuration variable must be specified.

Explanation: The command is not executed because the DB2USER preference is not specified in the configuration file.

System action: Processing ends.

User response: Specify the DB2USER with the set command.

ACD5146E A DB2LOGPath must be specified.

Explanation: The command is not executed because a DB2LOGPath has not been specified.

System action: Processing ends.

User response: Specify a DB2LOGPath and rerun the command.

ACD5147E **A Domino server error was encountered regenerating database links.** *reason.*

Explanation: The links to the Domino DB2 databases may be missing. The restore of the DB2 database was successful.

System action: Processing ends.

User response: Restore the links to the DB2 databases if they are missing.

ACD5148E **A DB2LOGTarget must be specified.**

Explanation: The command is not executed because a DB2LOGTarget has not been specified.

System action: Processing ends.

User response: Specify a DB2LOGTarget and rerun the command.

ACD5149E **The specified DB2 database is the Domino DB2 database. This command cannot be used to delete the Domino DB2 database.**

Explanation: The user specified the name of the Domino DB2 database.

System action: Processing ends.

User response: Specify the name of an alternate DB2 database.

ACD5150E **The stored DB2 user password does not match the entered password.**

Explanation: The DB2 password can only be updated if the current stored DB2 password is known.

System action: Processing ends.

User response: Re-enter the stored DB2 user password.

ACD5200I **Data Protection for Domino: Starting backup of database** *database* **from server** *servername*.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database backup begins.

System action: None

User response: None Centrally logged

ACD5201I **Data Protection for Domino: Backup of database** *database* **from server** *servername* **completed successfully.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database backup completes successfully.

System action: None

User response: None Centrally logged

ACD5202E **Data Protection for Domino: Backup of database** *database* **from server** *servername* **failed.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database backup fails.

System action: None

User response: None Centrally logged

ACD5203I **Data Protection for Domino: Starting archive of transaction log file** *transactionlog* **from server** *servername*.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a transaction log file archive begins.

System action: None

User response: None Centrally logged

ACD5204I **Data Protection for Domino: Archive of transaction log file** *transactionlog* **from server** *servername* **completed successfully.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a transaction log file archive completes successfully.

System action: None

User response: None Centrally logged

ACD5205E **Data Protection for Domino: Archive of transaction log file** *transactionlog* **from server** *servername* **failed.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a transaction log file archive fails.

System action: None

User response: None Centrally logged

ACD5206I **Data Protection for Domino: Starting incremental database backup from server *servername*.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when an incremental backup begins.

System action: None

User response: None Centrally logged

ACD5207I **Data Protection for Domino: Incremental database backup from server *servername* complete. Total Domino databases backed up: *numberdbs* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when an incremental backup ends.

System action: None

User response: None Centrally logged

ACD5208I **Data Protection for Domino: Starting selective database backup from server *servername*.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a selective backup is started.

System action: None

User response: None Centrally logged

ACD5209I **Data Protection for Domino: Selective database backup from server *servername* complete. Total Domino databases backed up: *numberdbs* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec**

Explanation: This is informational message is written to the Tivoli Storage Manager Server activity log when a selective backup ends.

System action: None

User response: None Centrally logged

ACD5210I **Data Protection for Domino: Starting transaction log archive from server *servername*.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a transaction log archive begins.

System action: None

User response: None Centrally logged

ACD5211I **Transaction log archive from server *servername* complete. Total transaction log files archived: *transactionlogs* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a transaction log archive ends.

System action: None

User response: None Centrally logged

ACD5212I **Data Protection for Domino: Starting restore for server *servername*.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore begins.

System action: None

User response: None Centrally logged

ACD5213I **Data Protection for Domino: Restore database from server *servername* to server *servername* complete. Total Domino databases restored: *numberdbs* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore ends.

System action: None

User response: None Centrally logged

ACD5214I **Data Protection for Domino: Starting full backup from server *servername*.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a full backup is started.

System action: None

User response: None Centrally logged

ACD5215E **An error occurred trying to set the requested preference.**

Explanation: An error occurred while writing to the preferences file.

System action: Processing ends.

User response: View other messages that display.

Perform actions described in those messages, then run the command again.

ACD5216E **The value for the *preference* preference is not valid. See the DOMDSMC HELP SET output or the User's Guide for valid SET command parameters.**

Explanation: The preference being set is not valid.

System action: Processing ends.

User response: You can either run the command "domdsmc help set" or view the User's Guide for valid SET command parameters.

ACD5217I **The preference has been set successfully.**

Explanation: The preference was set successfully.

System action: Processing ends.

User response: None

ACD5218E **The Lotus Domino API could not be loaded. Could not load the *libraryname***

Explanation: The Lotus Domino API could not be loaded.

System action: Processing ends.

User response: Ensure the Lotus Domino Server is installed correctly.

ACD5220I **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 does exist, view the log file for indications of what may be the problem.

ACD5221I **The *logfile* log file has been pruned successfully.**

Explanation: The log mentioned pruned successfully.

System action: Processing continues.

User response: None.

ACD5222W **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 logfile name was

created, it was longer than the possible length of a logfile.

System action: Processing continues creating and using a logfile in the current directory.

User response: You may want to consider updating the logfile name using a fully qualified path.

ACD5223E **The database could not be placed into pending state. The pending database list was in use.**

Explanation: The database was not placed into pending state because the pending database list was in use at the time or the permissions did not allow access.

System action: The database was not restored correctly and is unusable.

User response: Try to restore the database again. Contact your service representative if the error persists.

ACD5224E **Could not obtain the current pending database list. The pending database list was not available.**

Explanation: The pending database list could not be read because the pending database list was in use at the time or the permissions did not allow access.

System action: None.

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

ACD5225E **Unknown Domino API error code received: *returncode***

Explanation: An unknown Domino API error code was received. The error code is specified in the text of the message.

System action: Processing ends.

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

ACD5226E **The *logfile* log file cannot be opened for writing.**

Explanation: The log file mentioned could not be opened for appends.

System action: Processing stops.

User response: Determine why the log file could not be opened. The log file is either referring to a non-existent drive or partition, or the file is designated read-only.

ACD5227W The *logfile* log file cannot be opened for writing. The log was not pruned and there will be no logging of events.

Explanation: The log file mentioned could not be opened for appends. No logging is performed and the request to prune now was ignored.

System action: Processing continues without logging and without pruning.

User response: Determine why the log file could not be opened. The log file is either referring to a non-existent drive or partition, or the log file is designated read-only.

ACD5228I Data Protection for Domino: Starting restore of database *database* to *database* on server *servername*.

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a database restore is started.

System action: None

User response: None Centrally logged

ACD5229I Data Protection for Domino: Restore of database *database* to server *servername* completed successfully.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database restore completes successfully.

System action: None

User response: None Centrally logged

ACD5230E Data Protection for Domino: Restore of database *database* to server *servername* failed.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database restore fails.

System action: None

User response: None Centrally logged

ACD5231I Data Protection for Domino: Starting inactivation of transaction log archives for server *servername*.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when an inactivation of transaction log file archives begins.

System action: None

User response: None Centrally logged

ACD5232I Data Protection for Domino: Ending inactivation of transaction log archives for server *servername*. There were *numberlogs* transaction log archives inactivated.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when an inactivation of transaction log file archives ends.

System action: None

User response: None Centrally logged

ACD5233E Data Protection for Domino: Inactivation of *transactionlog* transaction log archive failed.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when an inactivation of a transaction log file archive fails.

System action: None

User response: None Centrally logged

ACD5234I Data Protection for Domino: Inactivation of *transactionlog* transaction log archive succeeded.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when an inactivation of a transaction log file archive succeeds.

System action: None

User response: None Centrally logged

ACD5235I Data Protection for Domino: Starting inactivation of transaction log archive *transactionlog*.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when an inactivation of a transaction log file archive begins.

System action: None

User response: None Centrally logged

ACD5236I Data Protection for Domino: Starting restore of transaction log files for server *servername*.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore of transaction log files begins.

System action: None

User response: None Centrally logged

ACD5237I Data Protection for Domino: Restore of log files for server *servername* complete. Total Domino log files restored: *numberlogs* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore of transaction log files ends.

System action: None

User response: None Centrally logged

ACD5238I Data Protection for Domino: Starting restore of transaction log file *transactionlog* for server *servername*.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore of a transaction log file begins.

System action: None

User response: None Centrally logged

ACD5239E Data Protection for Domino: Restore of transaction log file *transactionlog* failed.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore of a transaction log file fails.

System action: None

User response: None Centrally logged

ACD5240I Data Protection for Domino: Restore of log file *transactionlog* succeeded.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore of a transaction log file succeeds.

System action: None

User response: None Centrally logged

ACD5241E Data Protection for Domino error: *DPDmessage* .

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a Data Protection message is produced.

System action: None

User response: None Centrally logged

ACD5242I Data Protection for Domino: Restore of transaction log files for server *servername* complete. Total Domino transaction log files restored: *numberlogs* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore of transaction log files ends.

System action: None

User response: None Centrally logged

ACD5243E Transaction log files to be restored span multiple log identifiers.

Explanation: All transaction log files to be restored must have the same log identifier.

System action: Processing ends.

User response: Enter a separate command for each set of transaction log files that correspond to a unique log identifier.

ACD5246I Data Protection for Domino: Full database backup from server *servername* complete. Total Domino NSF databases backed up: *numberdbs* Domino DB2 database backed up: *numberdb2db* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec

Explanation: This is informational message is written to the Tivoli Storage Manager Server activity log when a full backup ends.

System action: None

User response: None Centrally logged

ACD527I No databases match the following file spec(s): *filespec*

Explanation: The Domino API could not find databases that match this file specification.

System action: The file specification is ignored.

User response: Check for a misspelled file specification, then enter command again.

ACD5332E No transaction log file archives were found that match the file specification entered.

Explanation: The Tivoli Storage Manager Server was searched for transaction log file archives that match the entered file specification. No transaction log file archives were found.

System action: Processing ends.

User response: Correct the file specification and retry the operation.

ACD5335I **No Transaction Log Files match the following file spec(s):** *filespec*

Explanation: The TSM API could not find any transaction log extents that match the entered file specification.

System action: The file specification is ignored.

User response: Check for a misspelled file specification, then enter the command again.

ACD5404E **The name of the Lotus Domino Server ID file cannot be found in the notes.ini file**

Explanation: There is no KeyFilename and ServerKeyFilename entries in the notes.ini file

System action: Processing ends.

User response: Ensure the Lotus Domino Server is correctly installed and make sure the correct notes.ini file is specified.

ACD5405E **There is no server name in the Lotus Domino Server id file**

Explanation: The name of the Lotus Domino Server was not found in the ID file.

System action: Processing ends.

User response: Ensure the Lotus Domino Server is correctly installed.

ACD5406E **The directory *directory* does not exist**

Explanation: The specified directory was not found.

System action: Processing ends.

User response: Ensure the directory exists, then try the command again.

ACD5407E **The database *database* does not exist**

Explanation: The specified database was not found.

System action: Processing ends.

User response: Ensure the database exists, then try the command again.

ACD5408E **The NotesInitExtended api failed with a return code of *returncode*. The error message text for this is not available.**

Explanation: Notes® initialization failed with the indicated return code.

System action: Processing ends.

User response: Ensure the Lotus Domino Server is installed correctly.

ACD5412W **An error was encountered with Tivoli Storage Manager API initialization, rc = *returncode*. Examine the dserror.log for more information or determine if the TSM API is installed properly.**

Explanation: Errors were encountered during an attempt to run setup for the Tivoli Storage Manager API.

System action: Processing continues.

User response: Examine the dserror.log file to determine the problem. If this file does not exist, the TSM API may not be correctly installed. If this is the case, install the TSM API again and then run the command.

ACD5418I **There are no databases pending activation.**

Explanation: A query was issued to look at databases that are pending activation. There are no databases pending activation.

System action: Processing ends.

User response: None

ACD5420E **File *filename* is not a database.**

Explanation: The specified file is not a database.

System action: Processing ends.

User response: Specify a valid database name, then try the operation again.

ACD5421I **There are no backups matching the filespec *directorypathfilename* and the server name *servername*.**

Explanation: There are no database backups on the Tivoli Storage Manager Server for the specified server name.

System action: Processing ends.

User response: None

ACD5432I **There are no restored DB2 databases.**

Explanation: A query was issued to look at restored DB2 databases rollforward status, but a DB2 database restore operation has not yet been performed

System action: Processing ends.

User response: None

ACD5437I There are no databases pending activation.

Explanation: A query was issued to look at databases that are pending activation. There are no databases pending activation.

System action: Processing ends.

User response: None

ACD5450E A failure occurred on TSM server session number (*session number*), rc = *return code*

Explanation: A failure occurred on the numbered TSM server session.

System action: Processing ends.

User response: There should be other messages along with this one. Refer to the other messages to determine the problem.

ACD5461I Data Protection for Domino: Selective database backup from server *servername* complete. Total Domino databases backed up: *numberdbs* Total Domino databases deduplicated: *dedupdbs* Total bytes inspected: *inspected* Total bytes transferred: *bytes* Total LanFree bytes transferred: *lfbytes* Total bytes before deduplication: *prededupbytes* Total bytes after deduplication: *postdedupbytes* Data compressed by: *compress%%* Deduplication reduction: *dedupredux%%* Total data reduction ratio: *dataredux%%* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec

Explanation: This is informational message is written to the Tivoli Storage Manager Server activity log when a selective backup ends.

System action: None

User response: None Centrally logged

ACD5462I Data Protection for Domino: Incremental database backup from server *servername* complete. Total Domino databases backed up: *numberdbs* Total Domino databases deduplicated: *dedupdbs* Total bytes inspected: *inspected* Total bytes transferred: *bytes* Total LanFree bytes transferred: *lfbytes* Total bytes before deduplication: *prededupbytes* Total bytes after deduplication: *postdedupbytes* Data compressed by: *compress%%* Deduplication reduction: *dedupredux%%* Total data reduction ratio: *dataredux%%* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when an incremental backup ends.

System action: None

User response: None Centrally logged

ACD5463I Transaction log archive from server *servername* complete. Total transaction log files archived: *transactionlogs* Total transaction log files deduplicated: *dedupdbs* Total bytes inspected: *inspected* Total bytes transferred: *bytes* Total LanFree bytes transferred: *lfbytes* Total bytes before deduplication: *prededupbytes* Total bytes after deduplication: *postdedupbytes* Data compressed by: *compress%%* Deduplication reduction: *dedupredux%%* Total data reduction ratio: *dataredux%%* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a transaction log archive ends.

System action: None

User response: None Centrally logged

ACD5464I Data Protection for Domino: Full database backup from server *servername* complete. Total Domino NSF databases backed up: *numberdbs* Total Domino NSF databases deduplicated: *nsfdedupdbs%%* Total Domino NSF bytes inspected: *nsfinspected%%* Total Domino NSF bytes transferred: *nsfbytes%%* Total Domino NSF LanFree bytes transferred: *nsflfbytes%%* Total Domino NSF bytes before deduplication: *nsfprededup%%* Total Domino NSF bytes after deduplication: *nsfpostdedup%%* Total Domino NSF data compressed by: *nsfcompress%%* Total Domino NSF deduplication reduction: *nsfdedupredux%%* Total Domino NSF data reduction ratio: *nsfdataredux%%* Domino DB2 database backed up: *numberdb2db* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec

Explanation: This is informational message is written to the Tivoli Storage Manager Server activity log when a full backup ends.

System action: None

User response: None Centrally logged

ACD5465I **Data Protection for Domino: Restore database from server *servername* to server *servername* complete. Total Domino databases restored: *numberdbs* Total bytes transferred: *bytes* Total LanFree bytes transferred: *lfbytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore ends.

System action: None

User response: None Centrally logged

ACD5466I **Data Protection for Domino: Restore of transaction log files for server *servername* complete. Total Domino transaction log files restored: *numberlogs* Total bytes transferred: *bytes* Total LanFree bytes transferred: *lfbytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore of transaction log files ends.

System action: None

User response: None Centrally logged

ACD5551E **Screen size is too small for using the PICK option.**

Explanation: You cannot use the PICK option on a workstation that has a screen smaller than 20 characters horizontally and 10 lines vertically.

System action: The operation was not completed.

User response: You can either try the operation again using a workstation with the minimum screen size or do not use the PICK option.

ACD5612E **Unable to create or write to the file. Domino return code: *returncode*.**

Explanation: An attempt to create a file on the Domino server failed.

System action: Processing ends.

User response: Determine and fix the problem.

ACD5613E **You can only archive logs on a Domino Server with archival logging on. Domino return code: *returncode*.**

Explanation: An attempt was made to archive logs on a Domino Server that is not running archival logging.

System action: Processing ends.

User response: This operation cannot be performed until archival logging is turned on for the Domino server.

ACD5614E **The Domino Server is not running with logging on. You cannot applylogs. Domino return code: *returncode*.**

Explanation: An attempt was made to restore a database and applylogs to this database. However, logging has not been turned on for your Domino server.

System action: Processing ends.

User response: This operation cannot be performed until logging is turned on for your Domino server.

ACD5615E **You cannot archive a Domino Log file when logging is turned off. Domino return code: *returncode*.**

Explanation: An attempt was made to archive a Domino Log file for a Domino server that is not running archival logging.

System action: Processing ends.

User response: This operation cannot be performed until logging is turned on for your Domino server.

ACD5700E **The database file name is to be generated from path (*path*) and filename (*filename*) is too long.**

Explanation: The database file name to be generated is too long.

System action: Processing ends.

User response: Use the INTO option to specify an alternate destination file name, then enter the command again

ACD5701E **A Tivoli Storage Manager API error has occurred.**

Explanation: A Tivoli Storage Manager API error has occurred.

System action: Processing ends.

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

ACD5702E **A Domino API error has occurred.**

Explanation: A Domino API error has occurred.

System action: Processing ends.

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

ACD5703E The specified point-in-time is invalid.

Explanation: The specified point-in-time is invalid.

System action: Processing ends.

User response: Specifying a properly formatted point-in-time value, then try the operation again.

ACD5704E The requested transaction log file archive was not found: Destination: *destination* Logger Id : *OFlogid1:logid2-ONlogid3:logid4* Log Number : *lognumber*

Explanation: The Lotus Domino API that recovers databases from the transaction log has requested a transaction log file archive that was not found on the Tivoli Storage Manager Server.

System action: Processing ends.

User response: Verify that the transaction log file archive is on the Tivoli Storage Manager Server. If transaction log file archive is not on the Tivoli Storage Manager Server you may need to activate your databases without applying logs.

ACD5707E The high level qualifier of the transaction log file archive is invalid.

Explanation: The high level qualifier of a transaction log file archive is invalid.

System action: Processing ends.

User response: Contact your service representative.

ACD5708I The applylogs option is ignored when activating databases restored from an alternate Domino server.

Explanation: An attempt to apply transaction log files to a database that was restored from an alternate Domino server failed.

System action: The applylogs option is ignored and the database is activated without applying any transaction log file or files.

User response: None.

ACD5709E The Domino environment variable (*environmentvariable*) is missing or invalid. Threshold criteria will be based upon all available disk space on the log volume.

Explanation: An attempt to obtain the value of the mentioned Domino environment variable from the notes.ini file failed.

System action: Processing continues with thresholds based upon all available transaction log disk space.

User response: Define the mentioned Domino environment variable correctly, then try the operation again.

ACD5710E The domino environment variable (*environmentvariable*) is missing or invalid. The destination path can not be determined.

Explanation: An attempt to obtain the value of the Domino environment variable TRANSLOG_Path from the notes.ini file failed.

System action: Processing ends.

User response: You can either define the Domino environment variable with a valid value or use the /INTOPath option to specify the destination path. Try the operation again.

ACD5711I The alternate restore path, *alt_restore_path*, is not a fully qualified path name. The transaction logs will be restored to the default path.

Explanation: The alternate restore path specified by the notes.ini variable TRANSLOG_RECOVER_PATH is not a fully qualified path name.

System action: The transaction logs are restored to the default path.

User response: Modify the value of TRANSLOG_RECOVER_PATH to point to a fully qualified path name.

ACD5712E Wildcards are not allowed as part of the database name specification:

Explanation: This message displays the incorrect database name specification.

System action: Processing ends.

User response: Re-enter the command with the correct database name specification.

ACD5713E A DB2 API error has occurred.

Explanation: A Domino API error has occurred.

System action: Processing ends.

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

ACD5714E Table space backup cannot be performed when the Domino server DB2 database is not enabled for rollforward recovery.

Explanation: Table space backups are not permitted because the Domino server DB2 database is not enabled for rollforward recovery.

System action: Processing ends.

User response: Enable the Domino server DB2 database for rollforward recovery and repeat the operation.

ACD5715E The database name specification is invalid:

Explanation: The database name specification contains invalid characters.

System action: Processing ends.

User response: Enter a valid database name specification and rerun the command.

ACD5716E Only one DB2 group can be specified when restoring from DB2 group backup images.

Explanation: The DB2RESTORE command can restore only a single DB2 group at a time when restoring from a DB2 group backup image. Use a full DB2 database backup image to restore more than one DB2 group at a time.

System action: Processing ends.

User response: Re-enter the command and specify only one DB2 Group.

ACD5717E Wildcards are not allowed as part of the DB2 group name specification when restoring from a DB2 group backup image.

Explanation: Only one DB2 group can be specified when restoring from a DB2 group backup image; therefore, wildcards are not allowed. Use a full DB2 database backup image to restore more than one DB2 group at a time.

System action: Processing ends.

User response: Re-enter the command with the correct DB2 group name specification.

ACD5718E The backup image does not contain the following DB2 groups: *db2groups*

Explanation: The specified DB2 groups cannot be found in the backup image. Use the query db2backup command to determine the DB2 groups contained in the backup image.

System action: Processing ends.

User response: Re-enter the command with the correct DB2 group name specification.

ACD5719E DB2 Group /INPLACE restore is not supported.

Explanation: The DB2RESTORE command does not support the /INPLACE option when a DB2 Group is restored. A DB2 Group can only be restored to an alternate DB2 database.

System action: Processing ends.

User response: Re-enter the command without specifying the /INPLACE option.

ACD5720E The option DB2CONTainerpath must be specified in domdsm.cfg when DB2DIRECTORY is set in notes.ini.

Explanation: The DB2RESTORE command will fail when the option DB2CONTainerpath is not set and the Domino DB2 data location has been specified using the notes.ini DB2DIRECTORY setting. The DB2CONTainerpath specifies the location of the Domino DB2 data for the alternate DB2 database.

System action: Processing ends.

User response: Specify a DB2CONTainerpath and rerun the command.

ACD5721E The connection to the Data Protection for Lotus Domino DB2 agent failed.

Explanation: The connection to the Data Protection for Lotus Domino DB2 agent failed and there is no connection to the DB2 server.

System action: Processing ends.

User response: Verify the Data Protection for Lotus Domino DB2 agent is installed correctly. Verify that the DB2 instance library path is included in the LIBPATH and LD_LIBRARY_PATH environment variables for AIX® and Linux, respectively. Ex. LIBPATH=/home/db2inst1/sqllib/lib32.

ACD5722E The specified FROMDate option is invalid.

Explanation: The specified FROMDate option is invalid.

System action: Processing ends.

User response: Specify a properly formatted FROMDate value, then try the operation again.

ACD5723E The specified TODate option is invalid.

Explanation: The specified TODate option is invalid.

System action: Processing ends.

User response: Specify a properly formatted TODate value, then try the operation again.

ACD5724E The specified TODate must be greater than the FROMDate.

Explanation: The specified TODate must be greater than the FROMDate.

System action: Processing ends.

User response: Specify a TODate value that is later than the FROMDate value, then try the operation again.

ACD5725E A FROMDate option must be specified.

Explanation: A FROMDate option must be specified.

System action: Processing ends.

User response: Specify a FROMDate value, then try the operation again.

ACD5740E Unable to load the IBM Tivoli Storage Manager for Mail DLL, *dll_name*.

Explanation: Unable to load the DLL containing the resources for the IBM Tivoli Storage Manager for Mail GUI.

System action: Processing ends.

User response: Ensure that IBM Tivoli Storage Manager for Mail is correctly installed.

ACD5741E Error writing *option_name* preference to the configuration file.

Explanation: The specified preference could not write 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.

ACD5742I 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, reduce the number of days the log entries are retained.

ACD5743W Changing from Selective Backup to Incremental Backup will erase all current selections for the Selective Backup! You can only select ONE directory at a time for the Incremental Backup. Do you wish to continue?

Explanation: Incremental backup allows only one

directory to be backup each time.

System action: Processing continues once either "Yes" or "No" is pressed.

User response: User needs to understand how the incremental and selective backup works.

ACD5764I Changing this setting (to active only) will refresh the view. All selections will be lost. Do you want to continue?

Explanation: The user has selected the Active Only toolbar button or pulldown menu item. The view must be refreshed to activate this setting.

System action: Continues or ends processing as requested.

User response: Select Yes to refresh the view or select No to leave the current view unchanged.

ACD5765I Changing this setting (to active/inactive) will refresh the view. All selections will be lost. Do you want to continue?

Explanation: The user has selected the Active/Inactive toolbar button or pulldown menu item. The view must be refreshed to activate this setting.

System action: Continues or ends processing as requested.

User response: Select Yes to refresh the view or select No to leave the current view unchanged.

ACD5766I 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 user has selected the refresh toolbar button or pulldown menu item.

System action: Continues or ends processing as requested.

User response: Select Yes to refresh the view or select No to leave the current view unchanged.

ACD5767I You have not selected any pending databases to activate.

Explanation: The user pressed the Activate button but has not selected any pending databases to activate.

System action: Processing ends.

User response: Do not press the Activate button until pending databases have been selected for activation.

ACD5768I **There are no databases pending activation.**

Explanation: The user has selected the Active button but the list of pending databases is empty.

System action: Processing ends.

User response: None

ACD5769I **Logs cannot be applied to databases backed up from another Domino server. Do you wish to continue?**

Explanation: The user has selected databases pending from a Domino Server other than the local Domino Server and the Apply Logs box has been checked.

System action: Continues or ends processing as requested.

User response: Press Yes to continue or press No to terminate the request.

ACD5770I **You have not selected any databases to restore.**

Explanation: The user has pressed the Restore button but has not selected any databases to restore.

System action: Processing ends.

User response: Do not press the Restore button until databases have been selected to restore.

ACD5771I **There are no databases to restore.**

Explanation: The user has selected the Restore button but there are no backed up databases.

System action: Processing ends.

User response: None

ACD5772E **More than one database has been selected but only one restore location has been specified. When more than one database is selected the 'Restore Into' specification must contain an '='.**

Explanation: More than one database has been selected and the Restore Into specification does not contain an equal sign (=).

System action: Processing ends.

User response: Provide a valid Restore Into value and try the operation again.

ACD5773I **You have selected multiple backups of some databases to be restored. For these databases, only the ones with the latest backup dates will be restored. Do you want to continue?**

Explanation: More than one backup of at least one database has been selected for restore. We will restore the backup with the latest date.

System action: Continues or ends processing as requested.

User response: Press Yes to continue. Press No to terminate the request.

ACD5774I **Changing the Point in Time or the By Database Name settings will cause the tree to be refreshed. All selections will be lost. Do you want to continue?**

Explanation: The user has exited the Point in Time dialog by pressing OK.

System action: Continues or ends processing as requested.

User response: Press Yes to continue or press No to terminate the request.

ACD5806W **The path specified does not contain a notes.ini file. Do you still want to save this?**

Explanation: A notes.ini file could not be found in the specified directory path.

System action: Continues or ends processing as requested.

User response: Ensure the correct directory path is specified.

ACD5807W **The preference has been set successfully, however, the path specified does not currently contain a notes.ini file.**

Explanation: A notes.ini file could not be found in the specified directory path.

System action: The preference has been set with the specified directory path.

User response: Ensure the correct directory path is specified.

ACD5809I **There are no database backups for the server named *servername*.**

Explanation: There are no backups on the Tivoli Storage Manager Server for the specified server name.

System action: Processing ends.

User response: None

ACD5810I **There are no transaction log file archives for the server named *servername*.**

Explanation: There are no transaction log file archives on the Tivoli Storage Manager Server for the specified server name.

System action: Processing ends.

User response: None

ACD5811I **There are no database backups matching the filespec *filespec* and the server name *servername*.**

Explanation: There are no database backups on the Tivoli Storage Manager Server for the specified server name.

System action: Processing ends.

User response: None

ACD5812I **There are no transaction log file archives matching the filespec *filespec* and the server name *servername*.**

Explanation: There are no database backups on the Tivoli Storage Manager Server for the specified server name.

System action: Processing ends.

User response: None

ACD5813I **You have not selected any databases for Selective backup.**

Explanation: The user has pressed the Backup button but has not selected any databases for a Selective backup.

System action: Processing ends.

User response: Do not press the Backup button until one or more databases have been selected for Selective backup.

ACD5814E **Invalid incremental backup list was created.**

Explanation: An invalid incremental backup list was created or found.

System action: Processing ends.

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

ACD5815I **You have not selected any databases for Incremental backup.**

Explanation: The user has pressed the Backup button but has not selected a directory for Incremental backup.

System action: Processing ends.

User response: Do not press the Backup button until a directory has been selected for Incremental backup.

ACD5816I **You can only select ONE directory at a time for Incremental backup.**

Explanation: The user cannot select more than one directory at a time for Incremental backup.

System action: Processing ends.

User response: Do not press the Backup button until only a directory has been selected for Incremental backup.

ACD5817E **Invalid selective backup list was created.**

Explanation: An invalid selective backup list was created or found.

System action: Processing ends.

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

ACD5818E **Insert to the Backup List failed.**

Explanation: Cannot insert the database to the Backup List.

System action: Processing ends.

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

ACD5819E **Invalid Domino server name is selected.**

Explanation: An invalid Domino server name is selected.

System action: Processing ends.

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

ACD5820I **No transaction log file archives can be found.**

Explanation: There are no transaction log file archives. The transaction log may not have been previously archived.

System action: Processing ends.

User response: Ensure archival transaction logging is in effect and archive some transaction log files before re-attempting this operation.

ACD5821E **Invalid date. Please re-enter.**

Explanation: An invalid date was entered.

System action: The current dialog remains active and the focus is set to the invalid date.

User response: Enter a valid date.

ACD5822I You have selected multiple archives of some transaction log files to be restored. For these log files, only the ones with the latest archive dates will be restored. Do you want to continue?

Explanation: More than one archive of at least one log file has been selected for restore. The log file archive with the latest date will be restored.

System action: Continues or ends processing as requested.

User response: Press Yes to continue or press No to terminate the request.

ACD5823I A query for the transaction log file archives failed.

Explanation: A query of the transaction log file archives failed with an error.

System action: Processing ends.

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

ACD5827E The Restore Into name you entered is too long. Please enter a name no longer than *numberofchars*.

Explanation: The specified Restore Into name entered is too long.

System action: Processing ends.

User response: Provide a valid Restore Into name, then try the operation again.

ACD5830E The 'Restore Into:' field requires a complete file name. Please enter the field again with a complete filename or an '=' (equals sign) representing the complete file name.

Explanation: The Restore Into field requires a complete filename. Directory names are not allowed.

System action: Processing ends.

User response: Provide a valid Restore Into name, then try the operation again.

ACD5836I The alternate DB2 database *database* was successfully deleted.

Explanation: The specified alternate DB2 database was deleted from the pending DB2 file and from the DB2 server.

System action: Processing ends.

User response: None

ACD5837I There are no full DB2 database backups for the server named *servername*.

Explanation: There are no full DB2 database backups on the Tivoli Storage Manager Server for the specified server name.

System action: Processing ends.

User response: None

ACD5838I There are no DB2 group backups matching the *groupspec filespec* and the server name *servername*.

Explanation: There are no DB2 group backups on the Tivoli Storage Manager Server for the specified server name.

System action: Processing ends.

User response: None

ACD5839T To rollforward the database to *point_in_time* extract the required logs with the following DB2 command:
DB2ADUTL EXTRACT LOGS BETWEEN *first_log* AND *last_log* DB *db2database* Note: The command must be issued from a DB2 window and from the DB2 database log directory.

Explanation: A rollforward command but a DB2 database restore operation has not yet been performed

System action: Processing ends.

User response: None

ACD5840T DB2 Database *db2database* is ready for rollforward. There is no need to extract logs.

Explanation: No archived logs are required to rollforward the database

System action: Processing ends.

User response: None

ACD5841E A communication error with the DB2 agent has occurred.

Explanation: Some type of communication error has occurred with the Data Protection for Lotus Domino DB2 agent.

System action: Processing ends.

User response: Repeat the operation.

ACD5842E	The specified date is earlier than the DB2 database backup date. Please specify a date that is later than the backup date.
Explanation:	The rollforward to date must be greater than the backup date.
System action:	Processing ends.
User response:	Specify a rollforward to date that is greater than the backup date.

ACD5843I	The DB2 logs required to rollforward the DB2 database <i>db2database</i> to the specified date are not archived to the TSM server. Please archive the DB2 log and re-issue the command.
Explanation:	The database cannot be rollforward to the specified date if the logs active on that date are not archived.
System action:	Processing ends.
User response:	Archive the DB2 log.

ACD5844T	Issue the following DB2 command to delete unneeded log archives: <code>db2adutl DELETE FULL OLDER THAN <i>timestamp</i> DATABASE <i>dbname</i></code>
Explanation:	The db2adutl command should be issued from a DB2 command window to delete unneeded backups.
System action:	Processing ends.
User response:	None

ACD5845T	Issue the following DB2 command to delete unneeded tablespace backups: <code>db2adutl DELETE TABLESPACE OLDER THAN <i>timestamp</i> DATABASE <i>dbname</i></code>
Explanation:	The db2adutl command should be issued from a DB2 command window to delete unneeded backups.
System action:	Processing ends.
User response:	None

ACD5846T	Issue the following DB2 command to delete unneeded full database backups: <code>db2adutl DELETE LOGS BETWEEN <i>firstlog</i> AND <i>lastlog</i> DATABASE <i>dbname</i></code>
Explanation:	The db2adutl command should be issued from a DB2 command window to delete unneeded log archives.
System action:	Processing ends.

User response: None

ACD5847T	There are no full database backups to inactivate.
Explanation:	No full database backups are ready for inactivation.
System action:	Processing ends.
User response:	None

ACD5848T	There are no tablespace backups to inactivate.
Explanation:	No tablespace backups are ready for inactivation.
System action:	Processing ends.
User response:	None

ACD5849T	There are no log archives to inactivate.
Explanation:	No logs archives are ready for inactivation.
System action:	Processing ends.
User response:	None

ACD5850E	The alternate DB2 database <i>database</i> cannot be found.
Explanation:	The specified alternate DB2 database could not be found in the DB2 pending file.
System action:	Processing ends.
User response:	Verify that the specified alternate DB2 database exist in the DB2 pending file.

ACD5851T	Issue the following DB2 command to delete unneeded log archives: <code>db2adutl DELETE LOGS BETWEEN <i>firstlog</i> AND <i>lastlog</i> CHAIN <i>chain</i> DATABASE <i>dbname</i></code>
Explanation:	The db2adutl command should be issued from a DB2 command window to delete unneeded log archives.
System action:	Processing ends.
User response:	None

ACD5901E	The '-INTO=filename' parameter requires a complete filename. Please enter the parameter again with a complete filename or an '=' (equals sign) representing the complete filename.
Explanation:	The -INTO=filename parameter requires a complete filename. Directory names are not allowed.
System action:	Processing ends.

User response: Provide a valid value for the -INTO=filename parameter, then try the operation again.

ACD5984E Can not find symbolic link *linkname*. Check if the TSM API has been properly installed.

Explanation: The domininstall program could not find the symbolic link in /usr/lib directory that points to the TSM API library.

System action: Processing terminates.

User response: Complete the installation of the TSM API, including updating the symbolic link in /usr/lib and rerun the domininstall program.

ACD5985E Unable to read the symbolic link *linkname*. error text.

Explanation: The domininstall program encountered an error while trying to read the symbolic link in the /usr/lib directory that points to the TSM API library.

System action: Processing terminates.

User response: Correct the error in the symbolic link to the TSM API library in /usr/lib and run the domininstall program again.

ACD5986W Symbolic link */usr/lib/filename* does not point to installed file *filename*. Check if the TSM API has been properly installed.

Explanation: The symbolic link to the TSM API library does not point to the TSM API library that the domininstall program expects to use.

System action: Processing continues.

User response: This message does not indicate an error. The domininstall program will continue install processing. However, the installation should ensure that the symbolic link in the /usr/lib directory points to the correct version of the TSM API library.

ACD5987W The Program Control attribute has not been set for dsmc. This should be set if you plan to use the TSM scheduler. and the BPX.DAEMON facility has been defined.

Explanation: The Program Control attribute has not been set for dsmc.

System action: Processing continues.

User response: Set the Program Control attribute for dsmc in order to use the scheduler

ACD5988W The Program Control attribute has not been set for dsmswitch. This should be set if you plan to use the TSM scheduler. and the BPX.DAEMON facility has been defined.

Explanation: The Program Control attribute has not been set for dsmswitch

System action: Processing continues.

User response: Set the Program Control attribute for dsmswitch in order to use the scheduler.

ACD5990E Change owner error for *filename*.

Explanation: An error occurred while trying to change the owner of a file.

System action: Processing terminates.

User response: Ensure the program has the proper authorization to change the owner of the file, then run the program again.

ACD5991E Change permissions error for *filename*.

Explanation: An error occurred while trying to change the permissions of a file.

System action: Processing terminates.

User response: Ensure the program has the proper authorization to change the permissions of the file, then run the program again.

ACD5996E The Data Protection for Domino installation process did not complete successfully. Please correct the error and run this domininstall program again.

Explanation: The installation program completed unsuccessfully.

System action: Processing terminates.

User response: Correct the error and run the domininstall program again.

ACD5997E getpwuid() error for *filename*.

Explanation: The getpwuid() syscall could not find an entry for the owner of the specified file.

System action: Processing terminates.

User response: Correct the error and run the domininstall program again.

ACD5998E Symbolic link *linkname* points to a directory.

Explanation: The specified symbolic link points to a directory. This is not a valid symbolic link and should be removed before continuing.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD5999E **Symbolic link *linkname* points to an unsupported file type.**

Explanation: The specified symbolic link points to an unsupported file type. This is not a valid symbolic link and should be removed before continuing.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD6000E **Error reading symbolic link *linkname*.**

Explanation: An attempt to read the contents of the symbolic link failed.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD6001E **A zero length symbolic link was encountered for *linkname*.**

Explanation: An attempt to read the contents of the symbolic link failed.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD6002E **Unable to follow symbolic link *linkname*.**

Explanation: The symbolic link points to a file that does not exist.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD6003E **An error was encountered opening directory *directory name*.**

Explanation: An attempt to open a directory failed.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD6005E **Error removing file *filename*.**

Explanation: An attempt to remove the file failed.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD6006E **Error creating symbolic link *linkname* to *filename*.**

Explanation: An attempt to create a symbolic link failed.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD6007E **A directory exists with the same name as symbolic link to be created. Remove or rename the directory *directory name* before proceeding.**

Explanation: An attempt to create a symbolic link failed.

System action: Processing terminates.

User response: Correct the error and run the dominstall program again.

ACD6008I **Symbolic link *symbolic link* to file name already exists.**

Explanation: A symlink to the file to be linked already exists.

System action: Processing continues.

User response: None.

ACD6010E **An unknown file type was encountered when creating symlink *linkname*.**

Explanation: An attempt to create a symbolic link failed.

System action: Processing terminates.

User response: Correct the error by either renaming the file or removing the file, then run the program again.

ACD6011E **Error on lstat to file *filename*.**

Explanation: An attempt to obtain file information from the system failed.

System action: Processing terminates.

User response: Correct the error by removing the file, then run the program again.

ACD6014E **You must run dominstall as a UID 0 (root) user. Switch to a UID 0 (root) user before running this program.**

Explanation: dominstall must be run as a UID 0 (root) user.

System action: Processing terminates.

User response: Switch to a UID 0 (root) user, then run the program again.

ACD6023I **Changing the selection to Active and Inactive backups. Note: This may result in longer delays when displaying large numbers of database backups. To narrow down the list of displayed databases, consider using the Filtering Options on the Restore Tab. Do you wish to continue?**

ACD6024E **Could not load the DP for Domino API.**

Explanation: DP for Domino API could not be loaded.

System action: Processing ends.

User response: Ensure the DP for Domino API is correctly installed. One possible cause is that the TDPDOM.DLL (Windows) or libTdpDOM.(a,so) UNIX does not exist in the system directory. Re-install DP for Domino, if this is the case.

ACD6025T *** Make the suggested changes to the dsm.sys file @1%s. * * Register the node @2%s to the Tivoli Storage Management server. * * Then issue the following command to complete the setup for this Domino server @3%s**

Explanation: The installation should perform the suggested actions to complete the installation process.

System action: Processing ends.

User response: Perform the suggested actions.

ACD6026T **Choose the server entry used by the Tivoli Storage Manager Web client.**

Explanation: Choose the dsm.sys server entry (stanza) used by the Tivoli Storage Manager Web client. This entry will be used to complete the installation process.

System action: Processing continues.

User response: Reply with the number of the dsm.sys entry to be used to complete the installation process.

ACD6027T **Invalid entry. Please reply with a valid entry number.**

Explanation: The user replied with an entry number outside of the range of the dsm.sys entries.

System action: Processing continues.

User response: Reply with the correct number of the dsm.sys entry to be used to complete the installation process.

ACD6028T **The chosen entry is the following.**

Explanation: The user replied with a valid dsm.sys server entry number.

System action: Processing continues and the chosen entry is displayed.

User response: None.

ACD6029T **This entry appears to be already configured with domnode = @1%s.; Do you want to reconfigure this entry?;**

Explanation: The user replied with a dsm.sys server entry that has already been configured with a domnode option.

System action: Processing continues with the chosen entry or the user may choose a different entry.

User response: Reply Yes to choose this entry, or No choose a different entry.

ACD6030T **Is that correct?;**

Explanation: The user replied with a valid dsm.sys server entry and the installation program is requesting verification of the entry chosen.

System action: Processing continues with the chosen entry or the user may choose a different entry.

User response: Reply Yes to choose this entry, or No choose a different entry.

ACD6031T **Do you want to continue with the Tivoli Storage Manager Web client configuration?.**

Explanation: The user replied NO for an already configured entry, and the installation program is requesting whether to continue the configuration process.

System action: Processing continues.

User response: Reply Yes to continue Tivoli Storage Manager Web client processing, or No to continue installation processing without Tivoli Storage Manager Web client configuration.

ACD6032T **The file @1%s exists. Reply Yes to overwrite this file, or No to create the file @2%s.**

Explanation: The configuration file already exists in the Notes specific directory. Replying yes will cause the file to be over written, replying No will cause an alternative configuration file to be created.

System action: Processing continues.

User response: Reply Yes to over write the existing file, or No to create the alternative file.

ACD6039T Is the Domino server DB2 enabled?

Explanation: The installation program is requesting whether to configure access to the Domino DB2 database on DB2 enabled Domino servers.

System action: Processing continues.

User response: Reply Yes to set the DB2 user, or No to continue installation without DB2 access configuration.

ACD6041T Unrecognized or duplicate preference options were found. @1%s

Explanation: An unrecognized or duplicate option was found in the preference file.

System action: Processing continues.

ACD6042E Could not find the Tivoli Storage Manager Client.

Explanation: The file dsme was not found in the the Tivoli Storage Manager client directory.

System action: Processing ends.

User response: Ensure the Tivoli Storage Manager Client is correctly installed if you plan to use the web client.

ACD6043E Can not open silent install input file *filename*. Check the file and directory permissions.

Explanation: The dominstall program could not open or create the silent output file specified.

System action: Processing terminates.

User response: Correct the error, perhaps by trying to create the file manually and then removing it and rerun the dominstall program.

ACD6044E Silent install error at line *linenumber*.

Explanation: The silent input file has an incorrect response at the specified line.

System action: Processing terminates.

User response: Correct the error in the input file and and rerun the dominstall program.

ACD7000I Data Protection for Domino: Starting selective DB2 group backup from server *servername*.

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a selective DB2 group backup is started.

System action: None

User response: None Centrally logged

ACD7001I Data Protection for Domino: Selective DB2 group backup from server *servername* complete. Total Domino DB2 groups backed up: *numberdbs* Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec

Explanation: This is informational message is written to the Tivoli Storage Manager Server activity log when a selective backup ends.

System action: None

User response: None Centrally logged

ACD7002I Data Protection for Domino: Starting selective Domino DB2 database backup from server *servername*.

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a selective DB2 group backup is started.

System action: None

User response: None Centrally logged

ACD7003I Data Protection for Domino: Selective Domino DB2 database backup from server *servername* complete. Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec

Explanation: This is informational message is written to the Tivoli Storage Manager Server activity log when a selective backup ends.

System action: None

User response: None Centrally logged

ACD7004I Data Protection for Domino: Starting DB2 group restore for server *servername*.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore begins.

System action: None

User response: None Centrally logged

ACD7005I Data Protection for Domino: Starting DB2 database restore for server *servername*.

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore begins.

System action: None

User response: None Centrally logged

ACD7006I **Data Protection for Domino: Restore DB2 group from server *servername* to server *servername* complete. Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore ends.

System action: None

User response: None Centrally logged

ACD7007I **Data Protection for Domino: Restore DB2 database from server *servername* to server *servername* complete. Total bytes transferred: *bytes* Elapsed processing time: *time* Secs Throughput rate: *rate* Kb/Sec**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a restore ends.

System action: None

User response: None Centrally logged

ACD7020I **Data Protection for Domino: Starting backup of DB2 group *group* from server *servername*.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a DB2 group backup begins.

System action: None

User response: None Centrally logged

ACD7021I **Data Protection for Domino: Backup of DB2 group *group* from server *servername* completed successfully.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a DB2 group backup completes successfully.

System action: None

User response: None Centrally logged

ACD7022I **Data Protection for Domino: Backup of DB2 group *group* from server *servername* failed.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a DB2 group backup fails.

System action: None

User response: None Centrally logged

ACD7023I **Data Protection for Domino: Starting backup of DB2 database *database* from server *servername*.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a DB2 database backup begins.

System action: None

User response: None Centrally logged

ACD7024I **Data Protection for Domino: Backup of DB2 database *database* from server *servername* completed successfully.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a DB2 database backup completes successfully.

System action: None

User response: None Centrally logged

ACD7025I **Data Protection for Domino: Backup of DB2 database *database* from server *servername* failed.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a DB2 database backup fails.

System action: None

User response: None Centrally logged

ACD7026I **Data Protection for Domino: Starting restore of DB2 group *group* to DB2 database *database* on server *servername*.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a database restore is started.

System action: None

User response: None Centrally logged

ACD7027I **Data Protection for Domino: Restore of DB2 group *database* to server *servername* completed successfully.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database restore completes successfully.

System action: None

User response: None Centrally logged

ACD7028I **Data Protection for Domino: Restore of DB2 group *group* to server *servername* failed.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database restore fails.

System action: None

User response: None Centrally logged

ACD7029I **Data Protection for Domino: Starting restore of DB2 database *database* to DB2 database *database* on server *servername*.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a database restore is started.

System action: None

User response: None Centrally logged

ACD7030I **Data Protection for Domino: Restore of DB2 database *database* to server *servername* completed successfully.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database restore completes successfully.

System action: None

User response: None Centrally logged

ACD7031I **Data Protection for Domino: Restore of database *database* to server *servername* failed.**

Explanation: This informational message is written to the Tivoli Storage Manager Server activity log when a database restore fails.

System action: None

User response: None Centrally logged

ACD7032I **Data Protection for Domino: Starting Domino DB2 database transaction log archive from server *servername*.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a selective backup is started.

System action: None

User response: None Centrally logged

ACD7033I **Data Protection for Domino: Domino DB2 database transaction log archive from server *servername* succeeded.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a selective backup is started.

System action: None

User response: None Centrally logged

ACD7034I **Data Protection for Domino: Domino DB2 database transaction log archive from server *servername* failed.**

Explanation: This is an informational message that is written to the Tivoli Storage Manager Server activity log when a selective backup is started.

System action: None

User response: None Centrally logged

Appendix. Accessibility features for the Tivoli Storage Manager product family

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

Accessibility features

The following list includes the major accessibility features in the Tivoli Storage Manager family of products:

- Keyboard-only operation
- Interfaces that are commonly used by screen readers
- Keys that are discernible by touch but do not activate just by touching them
- Industry-standard devices for ports and connectors
- The attachment of alternative input and output devices

The Tivoli Storage Manager Information Center, and its related publications, are accessibility-enabled. The accessibility features of the information center are described at http://publib.boulder.ibm.com/infocenter/tsminfo/v6r3/topic/com.ibm.help.ic.doc/iehs36_accessibility.html.

Keyboard navigation

On Windows, the Tivoli Storage Manager product family follows Microsoft conventions for all keyboard navigation and access. Drag and Drop support is managed using the Microsoft Windows Accessibility option known as MouseKeys. For more information about MouseKeys and other Windows accessibility options, please refer to the Windows online help (keyword: MouseKeys).

On other operating systems, these products follow the operating-system conventions for keyboard navigation and access.

Vendor software

The Tivoli Storage Manager product family includes certain vendor software that is not covered under the IBM license agreement. IBM makes no representation about the accessibility features of these products. Contact the vendor for the accessibility information about its products.

IBM and accessibility

See the IBM Human Ability and Accessibility Center for more information about the commitment that IBM has to accessibility.

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Glossary

This glossary includes terms and definitions for IBM Tivoli Storage Manager and IBM Tivoli Storage FlashCopy Manager products.

To view glossaries for other IBM products, go to <http://www.ibm.com/software/globalization/terminology/>.

The following cross-references are used in this glossary:

- *See* refers the reader from a term to a preferred synonym, or from an acronym or abbreviation to the defined full form.
- *See also* refers the reader to a related or contrasting term.

A

absolute mode

In storage management, a backup copy-group mode that specifies that a file is considered for incremental backup even if the file has not changed since the last backup. See also *modified mode*.

access control list (ACL)

In computer security, a list associated with an object that identifies all the subjects that can access the object and their access rights. For example, an access control list is associated with a file that identifies the users who can access that file and their access rights.

access mode

An attribute of a storage pool or a storage volume that specifies whether the server can write to or read from the storage pool or storage volume. The access mode can be read/write, read-only, or unavailable. Volumes in primary storage pools can also have an access mode of destroyed. Volumes in copy storage pools can also have an access mode of offsite.

acknowledgment

The transmission of acknowledgment characters as a positive response to a data transmission.

ACL See *access control list*.

activate

To validate the contents of a policy set and then make it the active policy set.

active-data pool

A named set of storage pool volumes that contain only active versions of client backup data.

active file system

A file system to which space management has been added. With space management, tasks for an active file system include automatic migration, reconciliation, selective migration, and recall. Contrast with *inactive file system*.

active policy set

The activated policy set that contains the policy rules in use by all client nodes that are assigned to the policy domain. See also *policy domain* and *policy set*.

active version

The most recent backup copy of a file stored. The active version of a file cannot be deleted until a backup process detects that the user has either replaced the file with a newer version or has deleted the file from the file server or workstation. Contrast with *inactive version*.

activity log

A log that records normal activity messages that are generated by the server. These messages include information about server and client operations, such as the start time of sessions or device I/O errors.

adaptive subfile backup

A type of backup that sends only changed portions of a file to the server, instead of sending the entire file. Adaptive subfile backup reduces network traffic and increases the speed of the backup.

administrative client

A program that runs on a file server, workstation, or mainframe that administrators use to control and monitor the Tivoli Storage Manager server. Contrast with *backup-archive client*.

administrative command schedule

A database record that describes the planned processing of an administrative command during a specific time period. See also *client schedule*.

administrative privilege class

See *privilege class*.

administrative session

A period of time during which an administrator user ID communicates with a server to perform administrative tasks. Contrast with *client node session*.

administrator

A user who is registered to the server as an administrator, and who is authorized to perform tasks and issue commands through the assignment of an administrative privilege class.

Advanced Program-to-Program Communication (APPC)

An implementation of the SNA LU 6.2 protocol that allows interconnected systems to communicate and share the processing of programs.

agent node

A client node that has been granted proxy authority to perform operations on behalf of another client node, which is the target node.

aggregate

An object, stored in one or more storage pools, consisting of a group of logical files that are packaged together. See also *logical file* and *physical file*.

aggregate data transfer rate

A performance statistic that indicates the average number of bytes that were transferred per second while processing a given operation.

APPC See *Advanced Program-to-Program Communication*.

application client

A program that is installed on a system to protect an application. The Tivoli Storage Manager server provides backup services to an application client.

archive

To copy programs, data, or files to other storage media, usually for long-term storage or security. Contrast with *retrieve*.

archive copy

A file or group of files that was archived to server storage.

archive copy group

A policy object containing attributes that control the generation, destination, and expiration of archived files.

archive-retention grace period

The number of days that the storage manager retains an archived file when the server is unable to rebind the file to an appropriate management class. See also *bind*.

association

(1) The defined relationship between a client node and a client schedule. An association identifies the name of a schedule, the name of the policy domain to which the schedule belongs, and the name of a client node that performs scheduled operations.

(2) On a configuration manager, the defined relationship between a profile and an object such as a policy domain. Profile associations define the configuration information that is distributed to a managed server when it subscribes to the profile.

audit To check for logical inconsistencies between information that the server has and the actual condition of the system. The storage manager can audit information about items such as volumes, libraries, and licenses. For example, when a storage manager audits a volume, the server checks for inconsistencies between information about backed-up or archived files that are stored in the database and the actual data that are associated with each backup version or archive copy in server storage.

authentication

The process of checking a user's password before permitting user access to the Tivoli Storage Manager server. Authentication can be turned on or off by an administrator with system privilege.

authentication rule

A specification that another user can use to either restore or retrieve files from storage.

authority

The right to access objects, resources, or functions. See also *privilege class*.

authorization rule

A specification that permits another user to either restore or retrieve a user's files from storage.

authorized user

A user who has administrative authority for the Tivoli Storage Manager client on a workstation. This user changes passwords, performs open registrations, and deletes file spaces.

AutoFS

See *automounted file system*.

automatic detection

A feature that detects, reports, and updates the serial number of a drive or library in the database when the path from the local server is defined.

automatic migration

The process that is used to automatically move files from a local file system to storage, based on options and settings that are chosen by a root user on a workstation. See also *threshold migration* and *demand migration*.

automatic reconciliation

The process that is used to reconcile file systems at regular intervals. The intervals are set by a user with root user authority. See also *reconciliation*.

automounted file system (AutoFS)

A file system that is managed by an automounter daemon. The automounter daemon monitors a specified directory path, and automatically mounts the file system to access data.

B**backup-archive client**

A program that runs on a workstation or file server and provides a means for users to back up, archive, restore, and retrieve files. Contrast with *administrative client*.

backup copy group

A policy object containing attributes that control the generation, destination, and expiration of backup versions of files. A backup copy group belongs to a management class.

backup-retention grace period

The number of days the storage manager retains a backup version after the server is unable to rebind the file to an appropriate management class.

backup set

A portable, consolidated group of active versions of backup files that are generated for a backup-archive client.

backup set collection

A group of backup sets that are created at the same time and which have the same backup set name, volume names, description, and device classes. The server identifies each backup set in the collection by its node name, backup set name, and file type.

backup version

A file or directory that a client node backed up to server storage. More than one backup version can exist in server storage, but only one backup version is the active version. See also *active version* and *inactive version*.

bind To associate all versions of a file with a management class name. See *rebind*.

bindery

A database that consists of three system files for a NetWare server. The files contain user IDs and user restrictions.

C

cache To place a duplicate copy of a file on random access media when the server migrates a file to another storage pool in the hierarchy.

cache file

A snapshot of a logical volume created by Logical Volume Snapshot Agent. Blocks are saved immediately before they are modified during the image backup and their logical extents are saved in the cache files.

CAD See *client acceptor*.

central scheduler

A function that permits an administrator to schedule client operations and administrative commands. The operations can be scheduled to occur periodically or on a specific date. See *client schedule* and *administrative command schedule*.

client A software program or computer that requests services from a server.

client acceptor

An HTTP service that serves the applet for the web client to web browsers. On Windows systems, the client acceptor is installed and run as a service. On AIX, UNIX, and Linux systems, the client acceptor is run as a daemon, and is also called the *client acceptor daemon* (CAD).

client acceptor daemon (CAD)

See *client acceptor*.

client domain

The set of drives, file systems, or volumes that the user selects to back up or archive data, using the backup-archive client.

client node

A file server or workstation on which the backup-archive client program has been installed, and which has been registered to the server.

client node session

A session in which a client node communicates with a server to perform backup, restore, archive, retrieve, migrate, or recall requests. Contrast with *administrative session*.

client options file

An editable file that identifies the server and communication method, and provides the configuration for backup, archive, hierarchical storage management, and scheduling.

client option set

A group of options that are defined on the server and used on client nodes in conjunction with client options files.

client-polling scheduling mode

A method of operation in which the client queries the server for work. Contrast with *server-prompted scheduling mode*.

client schedule

A database record that describes the planned processing of a client operation during a specific time period. The client operation can be a backup, archive, restore, or retrieve operation, a client operating system command, or a macro. See also *administrative command schedule*.

client/server

Pertaining to the model of interaction in distributed data processing in which a program on one computer sends a request to a program on another computer and awaits a response. The requesting program is called a client; the answering program is called a server.

client system-options file

A file, used on AIX, UNIX, or Linux system clients, containing a set of processing options that identify the servers to be contacted for services. This file also specifies communication methods and options for backup, archive, hierarchical storage management, and scheduling. This file is also called the *dsm.sys* file. See also *client user-options file*.

client user-options file

A file that contains the set of processing options that the clients on the system use. The set can include options that determine the server that the client contacts, and options that affect backup operations, archive operations, hierarchical storage management operations, and scheduled operations. This file is also called the *dsm.opt* file. For AIX, UNIX, or Linux systems, see also *client system-options file*.

closed registration

A registration process in which only an administrator can register workstations as client nodes with the server. Contrast with *open registration*.

collocation

The process of keeping all data belonging to a single-client file space, a single client node, or a group of client nodes on a minimal number of sequential-access volumes within a storage pool. Collocation can reduce the number of volumes that must be accessed when a large amount of data must be restored.

collocation group

A user-defined group of client nodes whose data is stored on a minimal number of volumes through the process of collocation.

commit point

A point in time when data is considered consistent.

Common Programming Interface for Communications (CPI-C)

A call-level interface that provides a consistent application programming interface (API) for applications that use program-to-program communications. CPI-C uses LU 6.2 architecture to create a set of interprogram services that can establish and end a conversation, send and receive data, exchange control information, and notify a partner program of errors.

communication method

The method by which a client and server exchange information. See also *Transmission Control Protocol/Internet Protocol*.

communication protocol

A set of defined interfaces that permit computers to communicate with each other.

compression

A function that removes repetitive characters, spaces, or strings of characters from the data being processed and replaces the repetitive characters with control characters. Compression reduces the amount of storage space that is required for the data.

configuration manager

A server that distributes configuration information, such as policies and schedules, to managed servers according to their profiles. Configuration information can include policy and schedules. See also *managed server* and *profile*.

conversation

A connection between two programs over a session that allows them to communicate with each other while processing a transaction.

copy backup

A full backup in which the transaction log files are not deleted so that backup procedures that use incremental or differential backups are not disrupted.

copy group

A policy object containing attributes that control how backup versions or archive copies are generated, where backup versions or archive copies are initially located, and when backup versions or archive copies expire. A copy group belongs to a management class. See also *archive copy group*, *backup copy group*, *backup version*, and *management class*.

copy storage pool

A named set of volumes that contain copies of files that reside in primary storage pools. Copy storage pools are used only to back up the data that is stored in primary storage pools. A copy storage pool cannot be a destination for a backup copy group, an archive copy group, or a management class (for space-managed files). See also *primary storage pool* and *destination*.

CPI-C See *Common Programming Interface for Communications*.

D**daemon**

A program that runs unattended to perform continuous or periodic functions, such as network control.

damaged file

A physical file in which Tivoli Storage Manager has detected read errors.

data access control mode

A mode that controls whether a command can access a migrated file, see a migrated file as zero-length, or receive an input/output error if it attempts to access a migrated file. See also *execution mode*.

database backup series

One full backup of the database, plus up to 32 incremental backups made since that full backup. Each full backup that is run starts a new database backup series. A number identifies each backup series.

database snapshot

A complete backup of the entire database to media that can be taken off-site. When a database snapshot is created, the current database backup series is not interrupted. A database snapshot cannot have incremental database backups associated with it. See also *database backup series*. Contrast with *full backup*.

data deduplication

A method of reducing storage needs by eliminating redundant data. Only one instance of the data is retained on storage media. Other instances of the same data are replaced with a pointer to the retained instance.

data manager server

A server that collects metadata information for client inventory and manages transactions for the storage agent over the local area network. The data manager server informs the storage agent with applicable library attributes and the target volume identifier.

data mover

A device that moves data on behalf of the server. A network-attached storage (NAS) file server is a data mover.

data storage-management application-programming interface (DSMAPI)

A set of functions and semantics that can monitor events on files, and manage and maintain the data in a file. In an HSM environment, a DSMAPI uses events to notify data management applications about operations on files, stores arbitrary attribute information with a file, supports managed regions in a file, and uses DSMAPI access rights to control access to a file object.

default management class

A management class that is assigned to a policy set. This class is used to govern backed up or archived files when a file is not explicitly associated with a specific management class through the include-exclude list.

deduplication

See *data deduplication*.

demand migration

The process that is used to respond to an out-of-space condition on a file system for which hierarchical storage management (HSM) is active. Files are migrated to server storage until space usage drops to the low threshold that was set for the file system. If the high threshold and low threshold are the same, one file is migrated.

desktop client

The group of backup-archive clients that includes clients on Microsoft Windows, Apple, and Novell NetWare operating systems.

destination

A copy group or management class attribute that specifies the primary storage pool to which a client file will be backed up, archived, or migrated.

device class

A named set of characteristics that are applied to a group of storage devices. Each device class has a unique name and represents a device type of disk, file, optical disk, or tape.

device configuration file

(1) For a server, a file that contains information about defined device classes, and, on some servers, defined libraries and drives. The information is a copy of the device configuration information in the database.

(2) For a storage agent, a file that contains the name and password of the storage agent, and information about the server that is managing the SAN-attached libraries and drives that the storage agent uses.

device driver

A program that provides an interface between a specific device and the application program that uses the device.

disaster recovery manager (DRM)

A function that assists in preparing and using a disaster recovery plan file for the server.

disaster recovery plan

A file that is created by the disaster recovery manager (DRM) that contains information about how to recover computer systems if a disaster occurs and scripts that can be run to perform some recovery tasks. The file includes information about the software and hardware that is used by the server, and the location of recovery media.

domain

A grouping of client nodes with one or more policy sets, which manage data or storage resources for the client nodes. See *policy domain* or *client domain*.

DRM See *disaster recovery manager*.

DSMAPI

See *data storage-management application-programming interface*.

dynamic serialization

A type of copy serialization in which a file or folder is backed up or archived on the first attempt regardless of whether it changes during a backup or archive.

E

EA See *extended attribute*.

EB See *exabyte*.

EFS See *Encrypted File System*.

Encrypted File System (EFS)

A file system that uses file system-level encryption.

enterprise configuration

A method of setting up servers so that the administrator can distribute the configuration of one of the servers to the other servers, using server-to-server communication. See also *configuration manager*, *managed server*, *profile*, and *subscription*.

enterprise logging

The process of sending events from a Tivoli Storage Manager server to a designated event server. The event server routes the events to designated receivers, such as to a user exit. See also *event*.

error log

A data set or file that is used to record error information about a product or system.

estimated capacity

The available space, in megabytes, of a storage pool.

event (1) An administrative command or a client operation that is scheduled to be run using Tivoli Storage Manager scheduling.

(2) A message that an Tivoli Storage Manager server or client issues. Messages can be logged using Tivoli Storage Manager event logging.

event record

A database record that describes actual status and results for events.

event server

A server to which other servers can send events for logging. The event server routes the events to any receivers that are enabled for the sending server's events.

exabyte (EB)

For processor storage, real and virtual storage, and channel volume, 1 152 921 504 606 846 976 bytes. For disk storage capacity and communications volume, 1 000 000 000 000 000 000 bytes.

exclude

The process of identifying files in an include-exclude list. This process

prevents the files from being backed up or migrated whenever a user or schedule enters an incremental or selective backup operation. A file can be excluded from backup and space management, backup only, or space management only.

exclude-include list

See *include-exclude list*.

execution mode

A mode that controls the space-management related behavior of commands that run under the **dsmmode** command.

expiration

The process by which files, data sets, or objects are identified for deletion because their expiration date or retention period has passed.

expiring file

A migrated or premigrated file that has been marked for expiration and removal from storage. If a stub file or an original copy of a premigrated file is deleted from a local file system, or if the original copy of a premigrated file is updated, the corresponding migrated or premigrated file is marked for expiration the next time reconciliation is run.

extend

To increase the portion of available space that can be used to store database or recovery log information.

extended attribute (EA)

Names or value pairs that are associated with files or directories. There are three classes of extended attributes: user attributes, system attributes, and trusted attributes.

extent The part of a file that is created during the data-deduplication process. Extents are compared with other file extents to identify duplicates.

external library

A type of library that is provided by Tivoli Storage Manager that permits LAN-free data movement for StorageTek libraries that are managed by Automated Cartridge System Library Software (ACSLs). To activate this function, the Tivoli Storage Manager library type must be EXTERNAL.

F

file access time

On AIX, UNIX, or Linux systems, the time when the file was last accessed.

file age

For migration prioritization purposes, the number of days since a file was last accessed.

file device type

A device type that specifies the use of sequential access files on disk storage as volumes.

file server

A dedicated computer and its peripheral storage devices that are connected to a local area network that stores programs and files that are shared by users on the network.

file space

A logical space in server storage that contains a group of files that have been backed up or archived by a client node, from a single logical partition, file system, or virtual mount point. Client nodes can restore,

retrieve, or delete their file spaces from server storage. In server storage, files belonging to a single file space are not necessarily stored together.

file space ID (FSID)

A unique numeric identifier that the server assigns to a file space when it is stored in server storage.

file state

The space management mode of a file that resides in a file system to which space management has been added. A file can be in one of three states: resident, premigrated, or migrated. See also *resident file*, *premigrated file*, and *migrated file*.

file system migrator (FSM)

A kernel extension that intercepts all file system operations and provides any space management support that is required. If no space management support is required, the operation is passed to the operating system, which performs its normal functions. The file system migrator is mounted over a file system when space management is added to the file system.

file system state

The storage management mode of a file system that resides on a workstation on which the hierarchical storage management (HSM) client is installed. A file system can be in one of these states: native, active, inactive, or global inactive.

frequency

A copy group attribute that specifies the minimum interval, in days, between incremental backups.

FSID See *file space ID*.

FSM See *file system migrator*.

full backup

The process of backing up the entire server database. A full backup begins a new database backup series. See also *database backup series* and *incremental backup*. Contrast with *database snapshot*.

fuzzy backup

A backup version of a file that might not accurately reflect what is currently in the file because the file was backed up at the same time as it was being modified.

fuzzy copy

A backup version or archive copy of a file that might not accurately reflect the original contents of the file because it was backed up or archived the file while the file was being modified. See also *backup version* and *archive copy*.

G

General Parallel File System

A high-performance shared-disk file system that can provide data access from nodes in a cluster environment.

gigabyte (GB)

In decimal notation, 1 073 741 824 when referring to memory capacity; in all other cases, it is defined as 1 000 000 000.

global inactive state

The state of all file systems to which space management has been added when space management is globally deactivated for a client node. When

space management is globally deactivated, hierarchical storage management (HSM) cannot perform migration, recall, or reconciliation. However, a root user can update space management settings and add space management to additional file systems. Users can access resident and premigrated files.

Globally Unique Identifier (GUID)

An algorithmically determined number that uniquely identifies an entity within a system.

GPFS™

See *General Parallel File System*.

GPFS node set

A mounted, defined group of GPFS file systems.

group backup

The backup of a group containing a list of files from one or more file space origins.

GUID See *Globally Unique Identifier*.

H

hierarchical storage management (HSM)

A function that automatically distributes and manages data on disk, tape, or both by regarding devices of these types and potentially others as levels in a storage hierarchy that range from fast, expensive devices to slower, cheaper, and possibly removable devices. The objectives are to minimize access time to data and maximize available media capacity.

hierarchical storage management (HSM) client

A client program that works with the Tivoli Storage Manager server to provide hierarchical storage management (HSM) for a system. See also *hierarchical storage management* and *space manager client*.

HSM See *hierarchical storage management*.

HSM client

See *hierarchical storage management client*.

I

ILM See *information lifecycle management*.

image A file system or raw logical volume that is backed up as a single object.

image backup

A backup of a full file system or raw logical volume as a single object.

inactive file system

A file system for which space management has been deactivated. Contrast with *active file system*.

inactive version

A backup version of a file that is either not the most recent backup version, or that is a backup version of a file that no longer exists on the client system. Inactive backup versions are eligible for expiration processing according to the management class assigned to the file. Contrast with *active version*.

include-exclude file

A file containing statements to determine the files to back up and the associated management classes to use for backup or archive. See also *include-exclude list*.

include-exclude list

A list of options that include or exclude selected files for backup. An exclude option identifies files that should not be backed up. An include option identifies files that are exempt from the exclusion rules or assigns a management class to a file or a group of files for backup or archive services.

incremental backup

(1) A copy of all database data that has changed since the most recent successful full backup operation. An incremental backup is also known as a *cumulative backup image* because each incremental backup includes the contents of the previous incremental backup.

(2) The process of backing up information in the database that is new or changed since the last full backup. Contrast with *full backup*. See also *database backup series*.

(3) For Data Protection for Microsoft Exchange Server, a backup in which the transaction logs are backed up and then cleared.

individual mailbox restore

See *mailbox restore*.

information lifecycle management (ILM)

GPFS policy-based file management for storage pools and file sets.

inode The internal structure that describes the individual files on AIX, UNIX, or Linux systems. An inode contains the node, type, owner, and location of a file.

inode number

A number specifying a particular inode file in the file system.

IP address

A unique address for a device or logical unit on a network that uses the IP standard.

J**job file**

A generated file that contains configuration information for a migration job. The file is XML format and can be created and edited in the hierarchical storage management (HSM) client for Windows client graphical user interface.

journal-based backup

A method for backing up Windows clients and AIX clients that exploits the change notification mechanism in a file to improve incremental backup performance by reducing the need to fully scan the file system.

journal daemon

On AIX, UNIX, or Linux systems, a program that tracks change activity for files residing in file systems.

journal service

In Microsoft Windows, a program that tracks change activity for files residing in file systems.

K

kilobyte (KB)

For processor storage, real and virtual storage, and channel volume, 210 or 1 024 bytes. For disk storage capacity and communications volume, 1 000 bytes.

L

LAN See *local area network*.

LAN-free data movement

The movement of client data between a client system and a storage device on a storage area network (SAN), bypassing the local area network. This process is also referred to as *LAN-free data transfer*.

LAN-free data transfer

See *LAN-free data movement*.

leader data

Bytes of data, from the beginning of a migrated file, that are stored in the file's corresponding stub file on the local file system. The amount of leader data that is stored in a stub file depends on the stub size that is specified.

library

(1) A repository for demountable recorded media, such as magnetic disks and magnetic tapes.

(2) A collection of one or more drives, and possibly robotic devices (depending on the library type), which can be used to access storage volumes.

library client

A server that uses server-to-server communication to access a library that is managed by another storage management server. See also *library manager*.

library manager

A server that controls device operations when multiple storage management servers share a storage device. See also *library client*.

local

(1) Pertaining to a device, file, or system that is accessed directly from a user system, without the use of a communication line.

(2) For HSM products, pertaining to the destination of migrated files that are being moved.

local area network (LAN)

A network that connects several devices in a limited area (such as a single building or campus) and that can be connected to a larger network.

local shadow volumes

Data that is stored on shadow volumes localized to a disk storage subsystem.

LOFS See *loopback virtual file system*.

logical file

A file that is stored in one or more server storage pools, either by itself or as part of an aggregate. See also *aggregate* and *physical file*.

logical occupancy

The space that is used by logical files in a storage pool. This space does

not include the unused space created when logical files are deleted from aggregate files, so it might be less than the physical occupancy.

logical unit (LU)

An access point through which a user or application program accesses the Systems Network Architecture (SNA) network to communicate with another user or application program.

logical unit number (LUN)

In the Small Computer System Interface (SCSI) standard, a unique identifier that is used to differentiate devices, each of which is a logical unit (LU).

logical volume

A portion of a physical volume that contains a file system.

logical volume backup

A backup of a file system or logical volume as a single object.

Logical Volume Snapshot Agent (LVSA)

Software that can act as the snapshot provider for creating a snapshot of a logical volume during an online image backup.

loopback virtual file system (LOFS)

A file system that is created by mounting a directory over another local directory, also known as mount-over-mount. A LOFS can also be generated using an automounter.

LU See *logical unit*.

LUN See *logical unit number*.

LVSA See *Logical Volume Snapshot Agent*.

M

macro file

A file that contains one or more storage manager administrative commands, which can be run only from an administrative client using the MACRO command. Contrast with *Tivoli Storage Manager command script*.

mailbox restore

A function that restores Microsoft Exchange Server data (from IBM Data Protection for Microsoft Exchange backups) at the mailbox level or mailbox-item level.

managed object

In Tivoli Storage Manager, a definition in the database of a managed server that was distributed to the managed server by a configuration manager. When a managed server subscribes to a profile, all objects that are associated with that profile become managed objects in the database of the managed server. In general, a managed object cannot be modified locally on the managed server. Objects can include policy, schedules, client option sets, server scripts, administrator registrations, server definitions, and server group definitions.

managed server

A Tivoli Storage Manager server that receives configuration information from a configuration manager using a subscription to one or more profiles. Configuration information can include definitions of objects such as policy and schedules. See also *configuration manager*, *subscription*, and *profile*.

management class

A policy object that users can bind to each file to specify how the server manages the file. The management class can contain a backup copy group, an archive copy group, and space management attributes. See also *copy group*, *space manager client*, *bind*, and *rebind*.

maximum transmission unit

The largest possible unit of data that can be sent on a given physical medium in a single frame. For example, the maximum transmission unit for Ethernet is 1500 bytes.

MB See *megabyte*.

media server

In a z/OS® environment, a program that provides access to z/OS disk and tape storage for Tivoli Storage Manager servers that run on operating systems other than z/OS.

megabyte (MB)

(1) 1 048 576 bytes (2 to the 20th power) when used in this publication.

(2) For processor storage, real and virtual storage, and channel volume, 2 to the power of 20 or 1 048 576 bits. For disk storage capacity and communications volume, 1 000 000 bits.

metadata

Data that describes the characteristics of data; descriptive data.

migrate

To move data from one storage location to another. In Tivoli Storage Manager products, migrating can mean moving data from a client node to server storage, or moving data from one storage pool to the next storage pool defined in the server storage hierarchy. In both cases the movement is controlled by policy, such as thresholds that are set. See also *migration threshold*.

migrated file

A file that has been copied from a local file system to Tivoli Storage Manager storage. For HSM clients on UNIX or Linux systems, the file is replaced with a stub file on the local file system. On Windows systems, creation of the stub file is optional. See also *stub file* and *resident file*. For HSM clients on UNIX or Linux systems, contrast with *premigrated file*.

migrate-on-close recall mode

A mode that causes a migrated file to be recalled back to its originating file system temporarily. Contrast with *normal recall mode* and *read-without-recall recall mode*.

migration job

A specification of files to migrate, and actions to perform on the original files after migration. See also *job file*.

migration threshold

High and low capacities for storage pools or file systems, expressed as percentages, at which migration is set to start and stop.

mirroring

The process of writing the same data to multiple locations at the same time. Mirroring data protects against data loss within the recovery log.

mode A copy group attribute that specifies whether to back up a file that has not been modified since the last time the file was backed up. See *modified mode* and *absolute mode*.

modified mode

In storage management, a backup copy-group mode that specifies that a file is considered for incremental backup only if it has changed since the last backup. A file is considered a changed file if the date, size, owner, or permissions of the file have changed. See also *absolute mode*.

mount limit

The maximum number of volumes that can be simultaneously accessed from the same device class. The mount limit determines the maximum number of mount points. See also *mount point*.

mount point

On the Tivoli Storage Manager server, a logical drive through which volumes in a sequential access device class are accessed. For removable-media device types, such as tape, a mount point is a logical drive that is associated with a physical drive. For the file device type, a mount point is a logical drive that is associated with an I/O stream. The number of mount points for a device class is defined by the value of the mount limit attribute for that device class. See also *mount limit*.

mount retention period

The maximum number of minutes that the server retains a mounted sequential-access media volume that is not being used before it dismounts the sequential-access media volume.

mount wait period

The maximum number of minutes that the server waits for a sequential-access volume mount request to be satisfied before canceling the request.

MTU See *maximum transmission unit*.

N

Nagle algorithm

An algorithm that reduces congestion of TCP/IP networks by combining smaller packets and sending them together.

named pipe

A type of interprocess communication that permits message data streams to pass between peer processes, such as between a client and a server.

NAS See *network-attached storage*.

NAS node

A client node that is a network-attached storage (NAS) file server. Data for the NAS node is transferred by a NAS file server that is controlled by the network data management protocol (NDMP). A NAS node is also called a NAS file server node.

native file system

A file system that is locally added to the file server and is not added for space management. The hierarchical storage manager (HSM) client does not provide space management services to the file system.

native format

A format of data that is written to a storage pool directly by the Tivoli Storage Manager server. Contrast with *non-native data format*.

NDMP

See *Network Data Management Protocol*.

NetBIOS

See *Network Basic Input/Output System*.

network-attached storage (NAS) file server

A dedicated storage device with an operating system that is optimized for file-serving functions. A NAS file server can have the characteristics of both a node and a data mover.

Network Basic Input/Output System (NetBIOS)

A standard interface to networks and personal computers that is used on local area networks to provide message, print-server, and file-server functions. Application programs that use NetBIOS do not have to handle the details of LAN data link control (DLC) protocols.

Network Data Management Protocol (NDMP)

A protocol that allows a network storage-management application to control the backup and recovery of an NDMP-compliant file server, without installing vendor-acquired software on that file server.

network data-transfer rate

A rate that is calculated by dividing the total number of bytes that are transferred by the data transfer time. For example, this rate can be the time that is spent transferring data over a network.

node A file server or workstation on which the backup-archive client program has been installed, and which has been registered to the server.

node name

A unique name that is used to identify a workstation, file server, or PC to the server.

node privilege class

A privilege class that gives an administrator the authority to remotely access backup-archive clients for a specific client node or for all clients in a policy domain. See also *privilege class*.

non-native data format

A format of data that is written to a storage pool that differs from the format that the server uses for operations.

normal recall mode

A mode that causes a migrated file to be copied back to its originating file system when it is accessed.

O**offline volume backup**

A backup in which the volume is locked so that no other system applications can access it during the backup operation.

online volume backup

A backup in which the volume is available to other system applications during the backup operation.

open registration

A registration process in which users can register their workstations as client nodes with the server. Contrast with *closed registration*.

operator privilege class

A privilege class that gives an administrator the authority to disable or halt

the server, enable the server, cancel server processes, and manage removable media. See also *privilege class*.

options file

A file that contains processing options. On Windows and NetWare systems, the file is called dsm.opt. On AIX, UNIX, Linux, and Mac OS X systems, the file is called dsm.sys.

originating file system

The file system from which a file was migrated. When a file is recalled using normal or migrate-on-close recall mode, it is always returned to its originating file system.

orphaned stub file

A file for which no migrated file can be found on the Tivoli Storage Manager server that the client node is contacting for space management services. For example, a stub file can be orphaned when the client system-options file is modified to contact a server that is different than the one to which the file was migrated.

out-of-space protection mode

A mode that controls whether the program intercepts out-of-space conditions. See also *execution mode*.

P

pacing

In SNA, a technique by which the receiving system controls the rate of transmission of the sending system to prevent overrun.

packet In data communication, a sequence of binary digits, including data and control signals, that is transmitted and switched as a composite whole.

page A defined unit of space on a storage medium or within a database volume.

partial-file recall mode

A recall mode that causes the hierarchical storage management (HSM) function to read just a portion of a migrated file from storage, as requested by the application accessing the file.

password generation

A process that creates and stores a new password in an encrypted password file when the old password expires. Automatic generation of a password prevents password prompting. Password generation can be set in the options file (passwordaccess option). See also *options file*.

path An object that defines a one-to-one relationship between a source and a destination. Using the path, the source accesses the destination. Data can flow from the source to the destination, and back. An example of a source is a data mover (such as a network-attached storage [NAS] file server), and an example of a destination is a tape drive.

pattern-matching character

See *wildcard character*.

physical file

A file that is stored in one or more storage pools, consisting of either a single logical file, or a group of logical files that are packaged together as an aggregate. See also *aggregate* and *logical file*.

physical occupancy

The amount of space that is used by physical files in a storage pool. This

space includes the unused space that is created when logical files are deleted from aggregates. See also *physical file*, *logical file*, and *logical occupancy*.

plug-in

A self-contained software component that modifies (adds, or changes) the function in a particular system. When a plug-in is added to a system, the foundation of the original system remains intact.

policy domain

A grouping of policy users with one or more policy sets, which manage data or storage resources for the users. The users are client nodes that are associated with the policy domain.

policy privilege class

A privilege class that gives an administrator the authority to manage policy objects, register client nodes, and schedule client operations for client nodes. Authority can be restricted to certain policy domains. See also *privilege class*.

policy set

A group of rules in a policy domain. The rules specify how data or storage resources are automatically managed for client nodes in the policy domain. Rules can be contained in management classes. See also *active policy set* and *management class*.

premigrated file

A file that has been copied to Tivoli Storage Manager storage, but has not been replaced with a stub file on the local file system. An identical copy of the file resides both on the local file system and in Tivoli Storage Manager storage. Premigrated files occur on UNIX and Linux file systems to which space management has been added. Contrast with *migrated file* and *resident file*.

premigrated files database

A database that contains information about each file that has been premigrated to Tivoli Storage Manager storage. The database is stored in a hidden directory named `.SpaceMan` in each file system to which space management has been added.

premigration

The process of copying files that are eligible for migration to Tivoli Storage Manager storage, but leaving the original file intact on the local file system.

premigration percentage

A space management setting that controls whether the next eligible candidates in a file system are premigrated following threshold or demand migration.

primary storage pool

A named set of volumes that the server uses to store backup versions of files, archive copies of files, and files migrated from client nodes. See also *destination* and *copy storage pool*.

privilege class

A level of authority that is granted to an administrator. The privilege class determines which administrative tasks the administrator can perform. See also *node privilege class*, *operator privilege class*, *policy privilege class*, *storage privilege class*, and *system privilege class*.

profile

A named group of configuration information that can be distributed from a configuration manager when a managed server subscribes. Configuration information can include registered administrator IDs, policies, client schedules, client option sets, administrative schedules, storage manager command scripts, server definitions, and server group definitions. See also *configuration manager* and *managed server*.

Q

quota (1) For HSM on AIX, UNIX, or Linux systems, the limit (in megabytes) on the amount of data that can be migrated and premigrated from a file system to server storage.

(2) For HSM on Windows systems, a user-defined limit to the space that is occupied by recalled files.

R**randomization**

The process of distributing schedule start times for different clients within a specified percentage of the schedule's startup window.

raw logical volume

A portion of a physical volume that is comprised of unallocated blocks and has no journaled file system (JFS) definition. A logical volume is read/write accessible only through low-level I/O functions.

read-without-recall recall mode

A mode that causes hierarchical storage management (HSM) to read a migrated file from storage without storing it back on the local file system. The last piece of information read from the file is stored in a buffer in memory on the local file system. Contrast with *normal recall mode* and *migrate-on-close recall mode*.

rebind

To associate all backed-up versions of a file with a new management class name. For example, a file that has an active backup version is rebound when a later version of the file is backed up with a different management class association. See also *bind*.

recall In Tivoli Storage Manager, to copy a migrated file from server storage back to its originating file system using the space management client. See also *transparent recall*, *selective recall*, and *recall mode*.

recall mode

A mode that is assigned to a migrated file with the **dsmattr** command that determines how the file is processed when it is recalled. It determines whether the file is stored on the local file system, is migrated back to Tivoli Storage Manager storage when it is closed, or is read from Tivoli Storage Manager storage without storing it on the local file system.

receiver

A server repository that contains a log of server and client messages as events. For example, a receiver can be a file exit, a user exit, or the Tivoli Storage Manager server console and activity log. See also *event*.

reclamation

The process of consolidating the remaining data from many sequential-access volumes onto fewer, new sequential-access volumes.

reclamation threshold

The percentage of space that a sequential-access media volume must have before the server can reclaim the volume. Space becomes reclaimable when files are expired or are deleted.

reconciliation

The process of synchronizing a file system with the Tivoli Storage Manager server, and then removing old and obsolete objects from the Tivoli Storage Manager server.

recovery log

A log of updates that are about to be written to the database. The log can be used to recover from system and media failures. The recovery log consists of the active log (including the log mirror) and archive logs.

register

To define a client node or administrator ID that can access the server.

registry

A repository that contains access and configuration information for users, systems, and software.

remote

- (1) Pertaining to a system, program, or device that is accessed through a communication line.
- (2) For HSM products, pertaining to the origin of migrated files that are being moved.

resident file

On a Windows system, a complete file on a local file system that might also be a migrated file because a migrated copy can exist in Tivoli Storage Manager storage. On a UNIX or Linux system, a complete file on a local file system that has not been migrated or premigrated, or that has been recalled from Tivoli Storage Manager storage and modified. Contrast with *stub file* and *premigrated file*. See *migrated file*.

restore

To copy information from its backup location to the active storage location for use. For example, to copy information from server storage to a client workstation.

retention

The amount of time, in days, that inactive backed-up or archived files are kept in the storage pool before they are deleted. Copy group attributes and default retention grace periods for the domain define retention.

retrieve

To copy archived information from the storage pool to the workstation for use. The retrieve operation does not affect the archive version in the storage pool.

roll back

To remove changes that were made to database files since the last commit point.

root user

A system user who operates without restrictions. A root user has the special rights and privileges needed to perform administrative tasks.

S

SAN See *storage area network*.

schedule

A database record that describes client operations or administrative commands to be processed. See *administrative command schedule* and *client schedule*.

scheduling mode

The type of scheduling operation for the server and client node that supports two scheduling modes: client-polling and server-prompted.

scratch volume

A labeled volume that is either blank or contains no valid data, that is not defined, and that is available for use.

script

A series of commands, combined in a file, that carry out a particular function when the file is run. Scripts are interpreted as they are run. Contrast with *Tivoli Storage Manager command script*.

Secure Sockets Layer (SSL)

A security protocol that provides communication privacy. With SSL, client/server applications can communicate in a way that is designed to prevent eavesdropping, tampering, and message forgery.

selective backup

The process of backing up certain files or directories from a client domain. The files that are backed up are those that are not excluded in the include-exclude list. The files must meet the requirement for serialization in the backup copy group of the management class that is assigned to each file. Contrast with *incremental backup*.

selective migration

The process of copying user-selected files from a local file system to Tivoli Storage Manager storage and replacing the files with stub files on the local file system. Contrast with *threshold migration* and *demand migration*.

selective recall

The process of copying user-selected files from Tivoli Storage Manager storage to a local file system. Contrast with *transparent recall*.

serialization

The process of handling files that are modified during backup or archive processing. See *dynamic serialization*, *static serialization*, *shared static serialization*, and *shared dynamic serialization*.

server

A software program or a computer that provides services to other software programs or other computers.

server options file

A file that contains settings that control various server operations. These settings affect such things as communications, devices, and performance.

server-prompted scheduling mode

A client/server communication technique where the server contacts the client node when tasks must be done. Contrast with *client-polling scheduling mode*.

server storage

The primary, copy, and active-data storage pools that are used by the server to store user files such as backup versions, archive copies, and files migrated from space manager client nodes (space-managed files). See also *active-data pool*, *primary storage pool*, *copy storage pool*, *storage pool volume*, and *volume*.

session

A logical or virtual connection between two stations, software programs, or devices on a network that allows the two elements to communicate and exchange data.

session resource usage

The amount of wait time, processor time, and space that is used or retrieved during a client session.

shared dynamic serialization

A value for serialization that specifies that a file must not be backed up or archived if it is being modified during the operation. Tivoli Storage Manager retries the backup or archive operation a number of times; if the file is being modified during each attempt, Tivoli Storage Manager will back up or archive the file on its last try. See also *serialization*. Contrast with *dynamic serialization*, *shared static serialization*, and *static serialization*.

shared library

A library device that is used by multiple storage manager servers.

shared static serialization

A copy-group serialization value that specifies that a file must not be modified during a backup or archive operation. Tivoli Storage Manager attempts to retry the operation a number of times. If the file is in use during each attempt, the file is not backed up or archived. See also *serialization*. Contrast with *dynamic serialization*, *shared dynamic serialization*, and *static serialization*.

snapshot

An image backup type that consists of a point-in-time view of a volume.

space-managed file

A file that is migrated from a client node by the space manager client. The space manager client recalls the file to the client node on demand.

space management

The process of keeping sufficient free storage space available on a local file system for new data by migrating files to server storage. Synonymous with *hierarchical storage management*.

space manager client

A program that runs on a UNIX or Linux system to manage free space on the local file system by migrating files to server storage. The program can recall the files either automatically or selectively. Also called *hierarchical storage management (HSM) client*.

space monitor daemon

A daemon that checks space usage on all file systems for which space management is active, and automatically starts threshold migration when space usage on a file system equals or exceeds its high threshold.

sparse file

A file that is created with a length greater than the data it contains, leaving empty spaces for the future addition of data.

special file

On AIX, UNIX, or Linux systems, a file that defines devices for the system, or temporary files that are created by processes. There are three basic types of special files: first-in, first-out (FIFO); block; and character.

SSL See *Secure Sockets Layer*.

stabilized file space

A file space that exists on the server but not on the client.

stanza A group of lines in a file that together have a common function or define a part of the system. Each stanza is identified by a name that occurs in the first line of the stanza. Depending on the type of file, a stanza is ended by the next occurrence of a stanza name in the file, or by an explicit end-of-stanza marker. A stanza can also be ended by the end of the file.

startup window

A time period during which a schedule must be initiated.

static serialization

A copy-group serialization value that specifies that a file must not be modified during a backup or archive operation. If the file is in use during the first attempt, the storage manager cannot back up or archive the file. See also *serialization*. Contrast with *dynamic serialization*, *shared dynamic serialization*, and *shared static serialization*.

storage agent

A program that enables the backup and restoration of client data directly to and from storage attached to a storage area network (SAN).

storage area network (SAN)

A dedicated storage network that is tailored to a specific environment, combining servers, systems, storage products, networking products, software, and services.

storage hierarchy

(1) A logical order of primary storage pools, as defined by an administrator. The order is typically based on the speed and capacity of the devices that the storage pools use. The storage hierarchy is defined by identifying the next storage pool in a storage pool definition. See also *storage pool*.

(2) An arrangement of storage devices with different speeds and capacities. The levels of the storage hierarchy include: main storage, such as memory and direct-access storage device (DASD) cache; primary storage (DASD containing user-accessible data); migration level 1 (DASD containing data in a space-saving format); and migration level 2 (tape cartridges containing data in a space-saving format).

storage pool

A named set of storage volumes that are the destination that is used to store client data. A storage pool contains backup versions, archive copies, and files that are migrated from space manager client nodes. A primary storage pool is backed up to a copy storage pool. See also *primary storage pool*, *copy storage pool*, and *active-data pool*.

storage pool volume

A volume that has been assigned to a storage pool. See also *volume*, *active-data pool*, *copy storage pool*, and *primary storage pool*.

storage privilege class

A privilege class that gives an administrator the authority to control how storage resources for the server are allocated and used, such as monitoring the database, the recovery log, and server storage. See also *privilege class*.

stub

A shortcut on the Windows file system that is generated by the hierarchical storage management (HSM) client for a migrated file that allows

transparent user access. A stub is the sparse file representation of a migrated file, with a reparse point attached.

stub file

A file that replaces the original file on a local file system when the file is migrated to storage. A stub file contains the information that is necessary to recall a migrated file from Tivoli Storage Manager storage. It also contains additional information that can be used to eliminate the need to recall a migrated file.

stub file size

The size of a file that replaces the original file on a local file system when the file is migrated to Tivoli Storage Manager storage. The size that is specified for stub files determines how much leader data can be stored in the stub file. The default for stub file size is the block size defined for a file system minus 1 byte.

subscription

In a Tivoli environment, the process of identifying the subscribers that the profiles are distributed to. For Tivoli Storage Manager, a subscription is the process by which a managed server receives configuration information associated with a particular profile on a configuration manager. See also *managed server*, *configuration manager*, and *profile*.

system privilege class

A privilege class that gives an administrator the authority to issue all server commands. See also *privilege class*.

Systems Network Architecture (SNA)

The description of the logical structure, formats, protocols, and operational sequences for transmitting information through and controlling the configuration and operation of networks.

T**tape library**

A set of equipment and facilities that support an installation's tape environment. The tape library can include tape storage racks, mechanisms for automatic tape mounting, a set of tape drives, and a set of related tape volumes mounted on those drives.

tape volume prefix

The high-level-qualifier of the file name or the data set name in the standard tape label.

target node

A client node for which other client nodes (called agent nodes) have been granted proxy authority. The proxy authority allows the agent nodes to perform operations such as backup and restore on behalf of the target node, which owns the data.

TCA See *trusted communications agent*.

TCP/IP

See *Transmission Control Protocol/Internet Protocol*.

threshold migration

The process of moving files from a local file system to Tivoli Storage Manager storage based on the high and low thresholds that are defined for the file system. Contrast with *demand migration*, *selective migration*, and *migration job*.

throughput

In storage management, the total bytes in the workload, excluding overhead, that are backed up or restored, divided by elapsed time.

timeout

A time interval that is allotted for an event to occur or complete before operation is interrupted.

timestamp control mode

A mode that determines whether commands preserve the access time for a file or set it to the current time.

Tivoli Storage Manager command script

A sequence of Tivoli Storage Manager administrative commands that are stored in the database of the Tivoli Storage Manager server. The script can run from any interface to the server. The script can include substitution for command parameters and conditional logic.

tombstone object

A small subset of attributes of a deleted object. The tombstone object is retained for a specified period, and at the end of the specified period, the tombstone object is permanently deleted.

Transmission Control Protocol/Internet Protocol (TCP/IP)

An industry-standard, nonproprietary set of communication protocols that provides reliable end-to-end connections between applications over interconnected networks of different types.

transparent recall

The process that is used to automatically recall a file to a workstation or file server when the file is accessed. See also *recall mode*. Contrast with *selective recall*.

trusted communications agent (TCA)

A program that handles the sign-on password protocol when clients use password generation.

U

UCS-2 A 2-byte (16-bit) encoding scheme based on ISO/IEC specification 10646-1. UCS-2 defines three levels of implementation: Level 1-No combining of encoded elements allowed; Level 2-Combining of encoded elements is allowed only for Thai, Indic, Hebrew, and Arabic; Level 3-Any combination of encoded elements are allowed.

UNC See *Universal Naming Convention name*.

Unicode

A character encoding standard that supports the interchange, processing, and display of text that is written in the common languages around the world, plus some classical and historical texts. The Unicode standard has a 16-bit character set defined by ISO 10646.

Unicode-enabled file space

Unicode file space names provide support for multilingual workstations without regard for the current locale.

Unicode transformation format 8

Unicode Transformation Format (UTF), 8-bit encoding form, which is designed for ease of use with existing ASCII-based systems. The CCSID value for data in UTF-8 format is 1208.

Universal Naming Convention (UNC) name

A name that is used to access a drive or directory containing files shared across a network. The UNC name includes the system name and a SharePoint name that represents the shared drive or directory.

Universally Unique Identifier (UUID)

The 128-bit numeric identifier that is used to ensure that two components do not have the same identifier.

UTF-8 See *Unicode transformation format 8*.

UUID See *Universally Unique Identifier*.

V**validate**

To check a policy set for conditions that can cause problems if that policy set becomes the active policy set. For example, the validation process checks whether the policy set contains a default management class.

version

A backup copy of a file stored in server storage. The most recent backup copy of a file is the active version. Earlier copies of the same file are inactive versions. The number of versions retained by the server is determined by the copy group attributes in the management class.

virtual file space

A representation of a directory on a network-attached storage (NAS) file system as a path to that directory.

virtual volume

An archive file on a target server that represents a sequential media volume to a source server.

volume

A discrete unit of storage on disk, tape or other data recording medium that supports some form of identifier and parameter list, such as a volume label or input/output control. See also *scratch volume*, and *storage pool volume*.

volume history file

A file that contains information about volumes that have been used by the server for database backups and for export of administrator, node, policy, or server data. The file also has information about sequential-access storage pool volumes that have been added, reused, or deleted. The information is a copy of volume information that is recorded in the server database.

Volume Shadow Copy Service

A set of Microsoft application-programming interfaces (APIs) that you can use to create shadow copy backups of volumes, exact copies of files, including all open files, and so on.

VSS See *Volume Shadow Copy Service*.

VSS Backup

A backup operation that uses Microsoft Volume Shadow Copy Service (VSS) technology. The backup operation produces an online snapshot (point-in-time consistent copy) of Microsoft Exchange data. This copy can be stored on local shadow volumes or on Tivoli Storage Manager server storage.

VSS Fast Restore

A function that uses a Microsoft Volume Shadow Copy Service (VSS)

software provider to restore VSS Backups (IBM Data Protection for Microsoft Exchange database files and log files) that reside on local shadow volumes.

VSS Instant Restore

A volume-level hardware-assisted Microsoft Volume Shadow Copy Service (VSS) function where target volumes that contain the snapshot are copied back to the original source volumes.

VSS offloaded backup

A backup operation that uses a Microsoft Volume Shadow Copy Service (VSS) hardware provider (installed on an alternate system) to move IBM Data Protection for Microsoft Exchange data to the Tivoli Storage Manager server. This type of backup operation shifts the backup load from the production system to another system.

VSS Restore

A function that uses a Microsoft Volume Shadow Copy Service (VSS) software provider to restore VSS Backups (IBM Data Protection for Microsoft Exchange database files and log files) that reside on Tivoli Storage Manager server storage to their original location.

W

wildcard character

A special character such as an asterisk (*) or a question mark (?) that can be used to represent one or more characters. Any character or set of characters can replace the wildcard character.

workstation

A terminal or personal computer at which a user can run applications and that is usually connected to a mainframe or a network.

worldwide name

A 64-bit, unsigned name identifier that is unique.

workload partition (WPAR)

A partition within a single operating system instance.



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