

Symantec NetBackup™ 5200 Series Command Reference Guide

Software Release 2.0

NetBackup 5200 and 5220



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Overview

This chapter includes the following topics:

- [About NetBackup appliance commands](#)
- [Logging into the NetBackup 52xx shell menu](#)
- [About NetBackup appliance shell menu usage](#)
- [About the NetBackup appliance shell menu](#)
- [About the NetBackup 52xx appliance shell menu command views](#)

About NetBackup appliance commands

The NetBackup appliance shell menu is an interactive shell that is available on the 52xx appliances through SSH. This menu interface enables you to perform most of the administration functions that are necessary to administer a NetBackup 52xx series appliance. You can use this shell menu in place of the web interface for many operations. In addition, anyone who is limited to only SSH because of firewall restraints should use this shell menu.

This document contains detailed information about the NetBackup appliance commands. Each command contains a brief description of the primary function of the command, a synopsis, and descriptions of each of the options listed in the synopsis. Some commands also contain notes and usage examples.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

See [“About the NetBackup 52xx appliance shell menu command views”](#) on page 15.

Logging into the NetBackup 52xx shell menu

The following procedure explains how to log into the NetBackup 52xx shell menu.

To log into the shell menu

- 1 Connect to the NetBackup 52xx appliance using a Secure Shell (SSH).
- 2 Enter the logon name and password for the NetBackup 52xx appliance. By default, the user name `admin` has the password, `P@ssw0rd`.

Caution: For security reasons, you should change this password after you have installed the NetBackup 52xx appliance.

- 3 After a successful logon, the cursor is along side the **Main_Menu** prompt.
- 4 Press the `?` key to display the available commands and shell views that are available for you to use.

See [“About the NetBackup 52xx appliance shell menu command views”](#) on page 15.

About NetBackup appliance shell menu usage

This section details the use, options, and organization of the NetBackup appliance shell menu.

The initial view outlines the various categories of tasks you can perform from the command-line interface.

All the commands are auto-completed. You can press **Tab** or **Enter** to complete a command.

Pressing the `?` key displays more information about the commands or sub-views that are available under that view. If you press `?` after you enter a command, the format and usage of the parameters for that command appear.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About the NetBackup 52xx appliance shell menu command views”](#) on page 15.

See [“About NetBackup appliance commands”](#) on page 11.

About the NetBackup appliance shell menu

When you enter the NetBackup appliance shell menu, you enter on the `Main_Menu` view. This view is the starting point from which you can configure, manage,

monitor, and support your appliance using the command line. The following table describes the views and commands that are available for you to use.

Table 1-1 NetBackup appliance commands and views from the `Main_Menu` view

Command	Explanation
Appliance	Use this command to enter the <code>Appliance></code> view to manage your master and media appliances. See “About the Appliance view commands” on page 15.
Client	Use this command to enter the <code>Client></code> view to add, backup, discover, replicate clients. You can also also update
Exit	Use this command to exit the current shell and log out.
Manage	Use this command to enter the <code>Manage></code> view to manage your appliance.
Monitor	Use this command to enter the <code>Monitor></code> view to monitor NetBackup appliance activities.
Network	Use this command to enter the <code>Network></code> view to be able to administer your network.
Report	Use this command to enter the <code>Report></code> view to examine the running and historical state of the host.
Settings	Use this command to enter the <code>Report></code> view to change the NetBackup appliance settings

Table 1-1 NetBackup appliance commands and views from the `Main_Menu` view (continued)

Command	Explanation
Shell	<p>This command appears on all of the other command views. Use the following commands to to display reference manula help, command line history information, and to return to the main menu.</p> <ul style="list-style-type: none"> ■ Shell Help Displays the online reference manuals of the command line interface. ■ Shell History Displays the command-line history of the current session. You can set a limit with this command that defines the size of the history list. A limit of zero means the list has no boundaries. Example of history output: <pre>Main_Menu> history 1 2 History 0 3 Support 4 Help 5 Return 6 History 4 7 Exit</pre> <ul style="list-style-type: none"> ■ Shell Main Returns you to the main menu.
Support	<p>Use this command to enter the <code>Report></code> view to enable and administer support capabilities on your NetBackup appliance.</p>
Return	<p>This command is not present on the <code>Main_Menu</code> view, however, it appears on all other views. Use this command to return you to the previous menu.</p>

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

About the NetBackup 52xx appliance shell menu command views

The following sections detail the commands and views that are available for your appliance.

About the Appliance view commands

From within the Appliance view you can perform the following functions:

- Set up an appliance as a master
- Manage an appliance backup
- Federate a new secondary appliance
- Defederate an existing appliance
- Display the topology of the appliance

The following table summarizes the commands that are available to you in the appliance view depending on the role that you chose your appliance to take during the initial configuration.

Table 1-2

Command	Explanation
Add	Use this command to add a media appliance See Add on page 30.
Recover	This command is available to use when you first receive the appliance. It is also available to use after you have chosen to configure your appliance as a master, or after you have chosen to recover your appliance. Use this command to perform disaster recovery on the primary appliance. The following options are available with this command: <ul style="list-style-type: none"> ■ FromAppliance ■ FromTape See Recover on page 31.
Remove	Use this command to decommission an existing media appliance. See Remove on page 32.

Table 1-2 (continued)

Command	Explanation
ShowDedupPassword	Use to display the NetBackup deduplication password of the domain. See ShowDedupPassword on page 33.
Status	Use this command to display the current appliance status information. See Status on page 34.
Topology	This commands displays the topology of the NetBackup appliance domain. See Topology on page 35.

See “[About the NetBackup 52xx appliance shell menu command views](#)” on page 15.

See “[Logging into the NetBackup 52xx shell menu](#)” on page 12.

About the Client view commands

The NetBackup 52xx Client view contains commands that enable you to do the following:

- Add or delete an appliance to designated host domains.
- Manage the ability to backup client applications.
- Configure a backup image Cloud replication.
- Discover applications on clients.
- Configure backup image replications.

The following table shows the Client view commands and the operations they perform:

Table 1-3 Client view commands

Command	Description
Add	Add a host to the appliance domain.
Backup	Manage backups of applications that reside on clients. You can use this command to do that following; <ul style="list-style-type: none"> ■ Enable or disable the backup of a client's applications. ■ Start a backup of a client's applications.

Table 1-3 Client view commands (*continued*)

Command	Description
CloudReplication	Configure a backup image cloud replication for a client.
Configure	Configure clients for application backups
CrossReplication	Configure backup image replication across a NetBackup domain.
Delete	Delete , a backup image, a configuration, or a host from the appliance domain.
Discover	Discover supported applications that are installed on a client.
Recommend	Recommend a backup destination for a client.
Show	Display various types of information. For example, application-specific properties, backup images of a client, backup properties, client information, and the backup configuration state of a client's applications.
Update	Update application-specific properties, or the backup property of a configured application of a client.

About the Manage view commands

From the appliance management view, **Manage**, you can perform the following functions:

- Administer the Fibre Transport HBA cards.
- Configure and inventory robotic tape libraries.
- Add, remove, and list license keys.
- Manage Software updates.
- List and resize NetBackups Storage Disk Pool Volumes.
- Manage the tape media for the appliance.
- Make the appliance logs available through a network share or network unshare. You can also set the debug logging level of the appliance logs.

The following table summarizes the commands that are available for you to use in the Main > Manage view.

Table 1-4 Main > Manage view commands

Command	Explanation
FibreChannel	<p>Use this command to administer the Fibre Transport HBA cards. You can perform the following administrative functions:</p> <ul style="list-style-type: none">■ Configure - Configure supported FC HBA cards. See Configure on page 38.■ Reset - Reset Fibre Channel initiator ports on this appliance. See Reset on page 39.■ Scan - Scan the Fibre Channel HBA initiator ports on this appliance.■ Show - Show the Fibre Channel cards in this appliance and configuration. See Show on page 41.■ Statistics - Display basic utilization statistics for the Fibre Channel HBA initiator ports on this appliance. See Statistics on page 42.

Table 1-4 Main > Manage view commands (*continued*)

Command	Explanation
Libraries	<p>The Libraries command takes you into the NetBackup Library view. From the Libraries view you can configure and inventory robotic tape libraries in addition to the following functions:</p> <ul style="list-style-type: none"> ■ Configure - Configure attached libraries for a media server. See Configure on page 44. ■ Deny - Deny a pending tape request. See Deny on page 45. ■ Down - Take drive offline. See Down on page 46. ■ Inventory - Inventory libraries for volumes. See Inventory on page 47. ■ List - List the attached libraries and tape drives for a media server. See List on page 48. ■ Requests - List any pending tape requests. See Requests on page 49. ■ Reset - Reset a drive. See Reset on page 50. ■ Resubmit - Resubmit a pending tape request. See Resubmit on page 51. ■ Up - Bring a drive online. See Up on page 52.
License	<p>Use this command to enter into the License administration view, where you can add, remove, and list license keys.</p> <ul style="list-style-type: none"> ■ Add - Add a license key. See Add on page 54. ■ List - List the currently installed licenses. See List on page 55. ■ Listinfo - List the detailed information of the installed licenses. See ListInfo on page 56. ■ Remove - Remove a license key. See Remove on page 57.

Table 1-4 Main > Manage view commands (*continued*)

Command	Explanation
Software	<p>Use this command to enter into the Software administration view. From this view you can do the following:</p> <ul style="list-style-type: none"> ■ Check - Check the Symantec site for the latest software update. See Check on page 60. ■ Delete - Delete a software update. See Delete on page 61. ■ Download - Download a software update. See Download on page 62. ■ Install - Install a release update. See Install on page 63. ■ List - List the available software information. See List on page 64. ■ Readme - View the Readme to obtain the event sequence for installing a release update. See Readme on page 66. ■ Rollback - Roll back the last installed release update. See Rollback on page 68. ■ Share - Share or unshare a directory for uploading a software update. See Share on page 70.
Storage	<p>Use this command to enter into the Storage view. From this view you can do the following:</p> <ul style="list-style-type: none"> ■ Expand NetBackup storage disk pool volumes. See Expand on page 72. ■ List the NetBackup storage disk pool. See List on page 74. ■ Resize NetBackup storage disk pool volumes. See Resize on page 76.

Table 1-4 Main > Manage view commands (*continued*)

Command	Explanation
Tapes	<p>The <code>Tapes</code> command takes you into the NetBackup Tapes view. The Tapes view contains the commands that enable you administer the media that is configured to your appliance. The following list identifies some of the functions that you can perform when you use these Tape-view commands:</p> <ul style="list-style-type: none"> ■ <code>Cleaning</code> - Designate which tape is the cleaning tape See Cleaning on page 80. ■ <code>Delete</code> - Delete media from a NetBackup database See Delete on page 81. ■ <code>Eject</code> - Eject media from a tape library See Eject on page 82. ■ <code>Freeze</code> - Freeze media in a NetBackup database See Freeze on page 83. ■ <code>Inventory</code> - Inventory all of the libraries for the volumes that have been added or removed See Inventory on page 84. ■ <code>List</code> - Show a list of the available media See List on page 85. ■ <code>ListNetBackupMedia</code> - Show a list of the media that NetBackup uses See ListNetBackupMedia on page 86. ■ <code>Suspend</code> - Suspend media in a NetBackup database See Suspend on page 87. ■ <code>Unfreeze</code> - Unfreeze the media that has been frozen in a NetBackup database See Unfreeze on page 88. ■ <code>Unsuspend</code> - Unsuspend the media that has been suspended in a NetBackup database See Unsuspend on page 89.

See “[About the NetBackup 52xx appliance shell menu command views](#)” on page 15.

See “[Logging into the NetBackup 52xx shell menu](#)” on page 12.

About Network view commands

From the Network administration view, you can perform the following operations:

- Administer the network settings and link aggregation of the appliance.
- Set the timezone and system time.

- Display the uptime statistics for the appliance.
- Display the current logon sessions.

The following table summarizes the commands that are available for you to use in the Network view.

Command	Explanation
Configure	Change the IPv4 address of a network interface with the default gateway. See Configure on page 99.
Date	Use to set or show the computer system time. See Date on page 101.
DNS	Configure the DNS information. See DNS on page 102.
Gateway	Add a new default gateway or delete an existing one for an interface. See Gateway on page 104.
Hostname	Use this command to set or get the hostname of an appliance. See Hostname on page 106.
Hosts	Add or delete a host entry from the hosts file. Also view the hosts configuration information. See Hosts on page 107.
Ifconfig	Displays the network interface and network configuration information on the appliance.
IPv4	Change the IPv4 address of a network interface. See IPv4 on page 108.
LinkAggregation	LinkAggregation - From the LinkAggregation view. You can use the following commands to enable or disable link aggregation on a host. <ul style="list-style-type: none"> ■ Disable - Disable link aggregation. ■ Enable - Enable link aggregation and select a bonding mode. ■ Show - Show the status of link aggregation. ■ Status - Check the status of the link aggregation. See LinkAggregation on page 109.

Command	Explanation
NetStat	Examine network statistical information. See NetStat on page 111.
NTPServer	Use this command to manage the NTP servers. You can add, delete, and show current NTP servers. See NTPServer on page 112.
Ping	An attempt to reach a host or IP address with ICMP ECHO_REQUESTs See Ping on page 113.
SetProp	Use to set the ethernet interface property. See SetProperty on page 114.
Show	You can use this command to show the network properties. See Show on page 115.
Status	Displays the network status.
SyncTime	Synchronize the time with the NTP server. See SyncTime on page 116.
Timezone	Use to set or reset the timezone. See TimeZone on page 117.
TraceRoute	Displays the network packet route. See TraceRoute on page 118.
Unconfigure	Removes the IP address and shuts down the interface. See Unconfigure on page 119.

See “[About the NetBackup 52xx appliance shell menu command views](#)” on page 15.

See “[Logging into the NetBackup 52xx shell menu](#)” on page 12.

About the Settings view commands

From the Main > Settings view you can perform the following functions:

- Enable the CallHome feature.
- Adjust deduplication parameters.
- Add, delete, hardware and software email accounts.

- Administer the Fibre Transport features.
- Change backup image life cycle parameters settings.
- Configure a LiveUpdate server.
- Change your user password.
- Administer the SNMP-related settings.

The following table summarizes the commands that are available for you to use in the Main > Settings view.

Table 1-5

Command	Explanation
CallHome	<p>The <code>CallHome</code> command is used to provide valuable information about your appliance to Symantec support if an issue occurs. This feature provides the contract ID of the appliance, the Email address that the NetBackup uses to contact the administrator, the address of the company, and the phone number of the administrator to contact in case an issue occurs.</p> <p>The following options are available with this command:</p> <ul style="list-style-type: none"> ■ <code>CallHome Disable</code> ■ <code>CallHome Enable</code> ■ <code>CallHome Location</code> <p>You can use this command to specify the physical location and the contact information for the appliance. This information helps Symantec provide better support for the appliance. This feature is enabled by default.</p> <ul style="list-style-type: none"> ■ <code>CallHome Proxy</code> <p>You can use this command to specify proxy server information. If your appliance environment has a proxy server between the environment and external internet access, you must enable the proxy settings on the appliance. This feature is disabled by default.</p> <ul style="list-style-type: none"> ■ <code>CallHome Show</code> <p>See CallHome on page 136.</p>
Deduplication	See Deduplication on page 141.
Email	<p>Use this command to add, delete, or show the administration Email address that NetBackup uses. You can configure email address for hardware, SMTP, and software notifications.</p> <p>See Email on page 150.</p>

Table 1-5 (continued)

Command	Explanation
<code>FibreTransport</code>	Administer Fibre Transport settings. See FibreTransport on page 152.
<code>LifeCycle</code>	Change backup image life cycle parameters settings. See LifeCycle on page 154.
<code>LiveUpdateServer</code>	Configure a LiveUpdate server. See LiveUpdateServer on page 158.
<code>NetBackup</code>	Use this command to do the following: <ul style="list-style-type: none"> ■ Add/delete/show additional servers to the server list. ■ Tune NetBackup data buffers. ■ Show the NetBackup additional server list. See NetBackup on page 159.
<code>Password</code>	Use this command to change the administrator's user password on the current host. See Password on page 162.
<code>Retention</code>	Display the current Cloud replication retention level or set the Cloud replication retention level.
<code>SNMP</code>	Use this command to add or change SNMP parameters on the server. You can use this command to display the current parameters and changes that were made to theSNMPinformation and show the Monitor MIB information. In addition, you can enable and disable SNMP notifications for hardware monitoring. See SNMP on page 163.

About the Support view commands

The Support view commands enable you to display various pieces of information about your NetBackup appliance. Those pieces of information range from displaying local disk information, to network interface and network configuration information, to viewing back job and process information. In addition, you can create and remove network traces, manage NetBackup supported data files, and install new patches. If you contact Support and open a customer case, you can use the `uploadlogs` command to send your log files to Support for analysis. With this feature you can configure the following:

- Gather disk information.
- Display NetBackup errors.
- Resets the appliance to factory default settings.
- Show the appliance logs.
- Display the messages file.
- Restart your appliance.
- Turn off your appliance.
- Share, unshare, and set the level of debug logs.
- Display debug information from the VXlog files.
- Upload a set of log files that are based on a timed duration of four hours.
- Create and send a .tar file of the logs based on the job ID.
- Create and send a .tar file of the logs based on the time the log files were created.
- Test the current status of the various appliance components.

The following table summarizes all of the commands that are available for you to use in the NetBackup Support view.

Table 1-6 Main > Support view commands

Command	Explanation
Disk	Gathers and displays information about the local disk layout and usage. See Disk on page 170.
Errors	Displays the problem entries from the previous day in the NetBackup logs. See Errors on page 171.
FactoryReset	Resets the appliance to factory default settings. See FactoryReset on page 172.

Table 1-6 Main > Support view commands (*continued*)

Command	Explanation
Logs	<p>From this command you can perform the following tasks:</p> <ul style="list-style-type: none"> ■ Browse the different NetBackup appliance logs. ■ Set the level of debug logs ■ Export or remove CIFS and NFS shares for the logs. ■ Upload the NetBackup log files for your appliance to Support. The files that you send can be based on the job ID, the time that the log files were taken, or the default-based duration. ■ Display debug information from the VXlog files. <p>See Logs on page 173.</p>
Maintenance	<p>Enables you open an interactive shell menu that you can use to troubleshoot or manage underlying operating system tasks.</p> <p>See Maintenance on page 178.</p>
Messages	<p>Displays the message file.</p> <p>See Messages on page 180.</p>
NBDNA	<p>Create and remove network traces with the NetBackup Domain Network Analyzer (NBDNA) utility.</p> <p>See NBDNA on page 181.</p>
NBSU	<p>Manage NetBackup supported data files.</p> <p>See NBSU on page 183.</p>
Processes	<p>This view contains two primary commands, <code>AdminConsole</code> and <code>NetBackup</code>. You can use these two commands to monitor and control the NetBackup and administration console processes.</p> <p>See Processes on page 184.</p>
Reboot	<p>Use this command to reboot the system.</p> <p>See Reboot on page 186.</p>
Shutdown	<p>Use this command to power the system off.</p> <p>See Shutdown on page 187.</p>
Test	<p>Test the current status of the various appliance components.</p> <p>See Test on page 188.</p>

See “[About the NetBackup 52xx appliance shell menu command views](#)” on page 15.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

Main > Appliance view commands

This appendix includes the following topics:

- [Add](#)
- [Recover](#)
- [Remove](#)
- [ShowDedupPassword](#)
- [Status](#)
- [Topology](#)

Add

Add – Add a new media appliance.

SYNOPSIS

```
Add Backup ApplianceName [AdminPassword]
Add Duplicate SourceAppliance ApplianceName [AdminPassword]
```

DESCRIPTION

You can use the `Add` command to add a media appliance for a client backup. You can also use this command to add a media appliance to duplicate backup images from a source appliance that you designate. To add a media appliance you must name the new appliance to you want to add. You can then add the administrator password of the media appliance.

OPTIONS

```
Add Backup ApplianceName [AdminPassword]
```

Use this command to add a media appliance for a client backup. The *ApplianceName* variable is the name of the new appliance that you want to add. The *AdminPassword* option is the administrative password of the media appliance. You leave this field blank to specify a secure prompt.

```
Add Duplicate SourceAppliance ApplianceName [AdminPassword]
```

Use this command to add a media appliance so that you can duplicate backup images from an existing appliance to the new appliance. Use the *SourceAppliance* variable to define the appliance where the existing backup images are stored. The *ApplianceName* variable is the name of the new appliance that you want to add. The *AdminPassword* option is the administrative password of the media appliance. You leave this field blank to specify a secure prompt.

See [“About the Appliance view commands”](#) on page 15.

See [“About the NetBackup appliance shell menu”](#) on page 12.

Recover

`Recover` – Perform disaster recovery of this appliance

SYNOPSIS

```
Recover FromAppliance ApplianceName [AdminPassword] [MaxBackupIds]
Recover FromTape HostName UserName FileName [Protocol]
```

DESCRIPTION

You can use the `Recover` command to recover your appliance from a secondary appliance or a configure tape storage unit or tape library.

OPTIONS

```
Recover FromAppliance ApplianceName [AdminPassword] [MaxBackupIds]
```

Use this command to recovery your catalog backup image and any other image from a secondary appliance that is configured to the primary appliance.

ApplianceName is the name of the media appliance.

[AdminPassword] is the administrative password of the media appliance. To a quote character (") to specify a secure prompt. ["]

[MaxBackupIds] is the maximum number of the most recent backup IDs that are displayed. The default is five.

```
Recover FromTape HostName UserName FileName [Protocol]
```

Use this command to recover your catalog backup image and any other image from a tape storage unit or tape library that is configured to the primary appliance.

HostName is the name of the host where the disaster recovery file exists.

UserName is the user name needed to log on to the host.

FileName is the absolute path of the disaster recovery file.

[Protocol] is an optional parameter and contains the protocol that is used to connect to the host. The protocol can be **scp**, **sftp**, or **ftp**. The default protocol is **sftp**.

See [“About the Appliance view commands”](#) on page 15.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

Remove

`Remove` – Decommission an existing media appliance.

SYNOPSIS

```
Remove MediaServer TargetMediaServer [Force]
```

DESCRIPTION

You can use the `Remove` command to decommission a media appliance from your configuration. When you go through the process of decommissioning an appliance you have the opportunity to move your tape media to another appliance. That appliance is your "target appliance", when you use this command. The other appliance that you must name is the appliance that you want to decommission.

OPTIONS

```
Remove MediaServer TargetMediaServer [Force]
```

Use to decommission a media appliance. The *MediaServer* variable is the name of the appliance that you want to decommission. The *TargetMediaServer* variable is the appliance that you designate to move your tape media to. If you do not want to move tape media, then specify **NONE** for this variable. The optional `[Force]` parameter enables you to determine if you want a confirmation that `Remove` function has completed. You can enter **true** or **false** for this parameter. A value of **true** ensures that you are prompted for a confirmation. The default value is **false**.

See [“About the Appliance view commands”](#) on page 15.

See [“About the NetBackup appliance shell menu”](#) on page 12.

ShowDedupPassword

`ShowDedupPassword` – Display the NetBackup deduplication password of the domain.

SYNOPSIS

`ShowDedupPassword`

DESCRIPTION

You can use this command to display the NetBackup deduplication password of the domain. Simply type `ShowDedupPassword` at the comand prompt to see the password.

OPTION

`ShowDedupPassword`

Use to display the NetBackup deduplication password of the domain.

Status

`Status` – Use to show status information about the appliance.

SYNOPSIS

`Status`

DESCRIPTION

Use this command to show status information about the appliance, such as the appliance role and master server information.

OPTIONS

`Status`

Use to show the status information about the appliance.

See [“About the Appliance view commands”](#) on page 15.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

Topology

`Topology` - Display the topology of the NetBackup appliance domain.

SYNOPSIS

`Topology`

DESCRIPTION

Use this command to display the topology of the NetBackup appliance domain..

OPTIONS

`Topology`

Display the topology of the appliance.

See [“About the Appliance view commands”](#) on page 15.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

Main > Manage > FibreChannel view commands

This appendix includes the following topics:

- [Configure](#)
- [Reset](#)
- [Scan](#)
- [Show](#)
- [Statistics](#)

Configure

`Configure` – Use to configure the QLogic Fibre Channel HBA ports for use by SAN Client (if the SAN Client feature is enabled).

SYNOPSIS

```
Configure [force]
```

DESCRIPTION

Use this command to configure the QLogic Fibre Channel HBA ports for use by SAN Client (if the SAN Client feature is enabled). The top ports of the QLogic HBA in slot 1 or slot 2 use the NetBackup target mode driver.

Symantec configures the QLogic FC HBAs that are installed in your appliance. In normal circumstances, you should not need to use this command. However, if configuration has failed, this command with the `force` option tries to configure the HBAs again. If successful, you must then restart the appliance.

OPTIONS

```
Configure [force]
```

Initializes the QLogic FC HBAs with the appropriate drivers.

The `force` parameter reinitializes the QLogic FC HBAs. Use this parameter if a previous attempt failed.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

See [FibreTransport](#) on page 152.

Reset

`Reset` – Use to reset the links between the appliance FC HBA ports that are in initiator mode and any ports connected to its initiator mode ports.

SYNOPSIS

`Reset`

DESCRIPTION

Use this command to reset the links between the appliance FC HBA ports that are in initiator mode and any ports connected to its initiator mode ports.

This command is most useful when the FC links are not up as expected. Link status can change because of SAN zoning changes. If a reset does not reset the links, either force a reload of the FC drivers (first disable the FT services and then re-enable them afterward feature) or reboot the appliance.

OPTIONS

`Reset`

Reset the Fibre Channel card ports that are in the initiator mode. This option re-initializes the ports by issuing a Link Initialisation Protocol reset.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

See [FibreTransport](#) on page 152.

Scan

`Scan` – Use to scan for devices that are visible from the FC card initiator ports on the appliance.

SYNOPSIS

`Scan`

DESCRIPTION

Use this command to scan for devices that are visible from the FC card initiator ports on the appliance.

By default, the operating system should detect devices connected the the appliance HBAinitiator mode ports automatically. If the OS does not detect devices, use this command to try to detect them. If that fails, test the FC links by using the `Reset` command.

This command is most useful during zoning changes.

OPTIONS

`Scan`

Scan for target mode drivers that are visible from the FC card initiator ports on the appliance.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

See [FibreTransport](#) on page 152.

Show

`show` – Use to show the FC HBA cards installed in this appliance.

SYNOPSIS

`Show`

DESCRIPTION

Use this command to show the FC HBA cards installed in this appliance.

OPTIONS

`Show`

Use this command to show the FC HBA cards installed in this appliance:

- Configuration state of the HBA cards.
- Cards names.
- Whether the drivers are loaded.
- Port information.
- Device information.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

See [FibreTransport](#) on page 152.

Statistics

`Statistics` – Use to display usage statistics for the FC card ports that are in the standard initiator mode.

SYNOPSIS

`Statistics`

DESCRIPTION

Use this command to display usage statistics for the FC card ports that are in the standard initiator mode.

OPTIONS

`Statistics`

Display usage statistics for the FC card ports that are in the standard initiator mode.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

See [FibreTransport](#) on page 152.

Main > Manage > Libraries view commands

This appendix includes the following topics:

- [Configure](#)
- [Deny](#)
- [Down](#)
- [Inventory](#)
- [List](#)
- [Requests](#)
- [Reset](#)
- [Resubmit](#)
- [Up](#)

Configure

`Configure` – Use to configure and inventory robotic tape libraries

SYNOPSIS

`Configure MediaServer`

DESCRIPTION

This command enables you to configure the attached libraries for a media server.

OPTIONS

`Configure MediaServer`

Use this command to configure the attached libraries for a media server.

MediaServer contains the name of the media server.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Deny

Deny - Deny a pending tape request.

SYNOPSIS

Deny *RequestID*

DESCRIPTION

Use this command to deny a pending tape request.

OPTIONS

Deny *RequestID*

Use this command to deny a pending tape request.

RequestID contains the RequestID for the pending tape request.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Down

`Down` – Use to stop a drive.

SYNOPSIS

`Down` *DriveName*

DESCRIPTION

Use this command to stop a drive that you identify by a drive name.

OPTIONS

`Down` *DriveName*

Use this command to stop a drive.

DriveName defines the name of the drive that you want to stop.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Inventory

`Inventory` – Inventory libraries for volumes.

SYNOPSIS

`Inventory MediaServer`

DESCRIPTION

This command enables you to inventory libraries for volumes for a designated media server.

OPTIONS

`Inventory MediaServer`

Use this command to inventory libraries for volumes for a media server.

MediaServer contains the name of the media server.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

List

List – List attached libraries and tape drives for a media server.

SYNOPSIS

List

DESCRIPTION

This command enables you to list the attached libraries and the tape drives for a media server in the form of a Drive Status output. This output provides pertinent information such as the drive name, label, drive type, the host, drive path, and the current status.

OPTIONS

List

Configure the attached libraries for a media server.

EXAMPLES

The following drive status information is produced when you run the List command.

DRIVE STATUS

```
Drive Name  Label Ready RecMID ExtMID  Wr.Enbl.  Type  Host DrivePath Status  
=====
```

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Requests

`Requests` – List the pending tape requests.

SYNOPSIS

`Requests`

DESCRIPTION

This command enables you to list all pending tape requests.

OPTIONS

`Request`

Lists the pending tape requests.

EXAMPLES

To view the pending tape requests, type the following in the NetBackup Libraries view:

```
Requests
```

The result shows the pending requests. If there are no pending requests, the following appears.

```
PENDING REQUESTS
```

```
<NONE>
```

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Reset

`Reset` - Use to reset a drive.

SYNOPSIS

`Reset DriveName`

DESCRIPTION

This command enables you to reset a specific drive.

OPTIONS

`Reset DriveName`

Use this command to reset a drive.

DriveName contains the name of the drive.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Resubmit

`Resubmit` – Use to resubmit a pending tape request.

SYNOPSIS

`Resubmit RequestID`

DESCRIPTION

This command enables you to resubmit a pending tape request.

OPTIONS

`Resubmit RequestID`

Use to resubmit a pending tape request.

RequestID contains the RequestID for the pending request.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Up

Up – Use to start a drive.

SYNOPSIS

Up *DriveName*

DESCRIPTION

This command enables you to start a drive and to bring it back online for use.

OPTIONS

Up *DriveName*

Use this command to start a drive.

DriveName contains the name of the drive.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Main > Manage > License view commands

This appendix includes the following topics:

- [Add](#)
- [List](#)
- [ListInfo](#)
- [Remove](#)

Add

Add – Use to add a license key.

SYNOPSIS

Add

Description

You use this command to add a license key.

Options

Add

Use to add a license key.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

List

`List` - Use to list the installed licenses.

SYNOPSIS

`List`

Description

You use this command to list the installed licenses.

Options

`List`

Use to list the installed licenses.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

ListInfo

`ListInfo` – Use to list detailed information about the installed licenses.

SYNOPSIS

`ListInfo`

Description

You use this command to list detailed information about the installed licenses.

Options

`ListInfo`

Use to list detailed information about the installed licenses.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Remove

`Remove` – Use to remove a license key.

SYNOPSIS

`Remove`

Description

You use this command to remove a license key.

Options

`Remove`

Use to remove a license key.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Main > Manage > Software view commands

This appendix includes the following topics:

- [Check](#)
- [Delete](#)
- [Download](#)
- [Install](#)
- [List](#)
- [LiveUpdateClients](#)
- [Readme](#)
- [Rollback](#)
- [Share](#)

Check

`Check` – Check the Symantec site for the latest software update.

SYNOPSIS

`Check`

DESCRIPTION

You can use this command to check the Symantec Support Web site for the latest software update.

OPTIONS

`Check`

Check the Symantec Support Web site for the latest software update.

Delete

Delete - Delete a software update.

SYNOPSIS

Delete *patch_name*

DESCRIPTION

You can use this command to delete a specific release update, sometimes referred to as a patch.

OPTIONS

Delete *patch_name*

Type this command to delete a specific patch. Where *patch_name* is the specific name of the patch that you want to delete.

Download

Download - Download a software update.

SYNOPSIS

Download *patch_name*

DESCRIPTION

You can use this command to download a specific release update, sometimes referred to as a patch.

OPTIONS

Download *patch_name*

Type this command to download a specific patch. Where *patch_name* is the specific name of the patch that you want to download.

Install

`Install` - Use to install a patch.

SYNOPSIS

```
Install patch_name [target_appliance]
```

DESCRIPTION

Use this command to install a new or existing software update or an engineering binary (EEB) to an appliance that you designate.

To use this command you must know the name of the software update or EEB that you want to install. To see a list of the software updates and EEB that are available for you to install, run `Software > Check`. This command checks the Symante site for the latest software update. Once you find the software update or EEB that you want to install you would first run the `Software > Download patch_name`, where *patch_name* is the name of the software update.

After you have downloaded the software update, you can now run the `Software > install patch_name [target_appliance]` command.

OPTIONS

```
Install patch_name [target_appliance]
```

Use this command option to install a patch.

patch_name is the name of the patch that you want to install.

target_appliance is the name of the appliance where you want to install or view the patch.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

List

`List` - Lists the available patch information.

SYNOPSIS

```
List Downloaded Details patch_name
List Details All
List Details Base
List EEBs
List Version
```

DESCRIPTION

This command shows the patches that have been applied to a particular appliance. In addition, you can use this command to show the patches that are available for installation for a particular appliance.

OPTIONS

```
List Details All
```

Use this command shows all of the release updates that are available.

```
List Details Base
```

Use this command shows all of the release updates that were applied to your appliance during the factory installation.

```
List Downloaded Details patch_name
```

Lists the detailed information of a downloaded software update.

patch_name is the name of the software update to list in detail.

```
List EEBs
```

Shows a detailed listing of all of the factory-installed Emergency Engineering Binaries (EEBs).

```
List Version target_appliance
```

Use this command shows the version of your appliance. Where *target_appliance* is the name of the appliance that you want to verify.

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

LiveUpdateClients

`LiveUpdateClients` – Use to update client software on configured clients.

SYNOPSIS

`LiveUpdateClients`

DESCRIPTION

You can use the NetBackup LiveUpdate feature to support upgrades to major releases and minor releases for NetBackup clients. To use the LiveUpdate feature, you must first define a NetBackup LiveUpdate server. This server can be either a Web server or a shared disk. The only requirement is that it must be accessible by all of the NetBackup hosts that you want to update.

This server is used to download and store NetBackup release update files, and to store the client packages that are included with major and minor releases. From this server, the files are distributed and installed on the computers in your NetBackup environment. More information is available on the NetBackup LiveUpdate functionality.

See, *Symantec NetBackup LiveUpdate Guide*.

You can use this command to update the client software on clients that are configured with your appliance.

OPTIONS

`LiveUpdateClients`

Use to update the client software on clients that are configured with your appliance.

Readme

Readme – Defines the NetBackup patch process.

SYNOPSIS

Readme

DESCRIPTION

This command defines the NetBackup patch process.

OPTIONS

Readme

This command defines the NetBackup patch process.

EXAMPLE

This command contains the following patch information.

To install a release update on the NetBackup 5200:

- 1 Use the `Share Open` command to open the NFS (`${CLUSTER_NAME}:/inst/patch/incoming`) and CIFS (`\\\\\\${CLUSTER_NAME}\\incoming patches`) shares so the appliance can receive release updates.
- 2 On a different computer, perform the following steps:
 - Mount the appropriate NFS/CIFS share.
 - Download the release update from the Symantec Support Web site.
 - Unzip the release update and review the README file in the zip.
 - Upload the unzipped release update to the mounted share.
 - Unmount the mounted share.
- 3 Use the `Share Close` command to close the NFS and CIFS shares.
- 4 Use the `List Available` command to list all available release updates.
Note the name of the updated release updated.
- 5 Use the `Install` command to install the uploaded release update. Use the name that you noted in step 4.

For more detailed information about this process, please consult the *NetBackup 5200 Administrator's Guide*.

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Rollback

Rollback – Rollback to the last applied release update.

SYNOPSIS

```
Rollback [patch_name]
```

DESCRIPTION

If the current version of NetBackup on your appliance has the Rollback feature enabled, you can use this command to go from your current version to the previously installed version. In addition, if you decide that you want to revert back to the previous version immediately after you have installed a software update, then you must log off and then back on to your appliance to see this command in the command line interface. You cannot roll back to a version that is greater than one release back. To roll back to the last version installed, use the following command.

```
Software> Rollback
```

To roll back to the previous software version, you would not specify a value for *patch_name*. Leaving that value empty means you want to roll back to the last software version.

You can also use this command to rollback any Emergency Engineering Binaries (EEBs) that are installed on your appliance. You can use the `List Applied` command to view the software version and all installed EEBs. You can then specify which EEB you want to roll back in the *patch_name* field to roll back that particular EEB. For example, you can enter the following command to roll back EEB `SYM_ABC5200_EEB_1-1.2.3.0`.

```
Software> Rollback SYM_ABC5200_EEB_1-1.2.3.0
```

You can only specify one EEB at a time with this command. However, you can use this command multiple times to roll back as many installed EEBs as you want.

OPTIONS

```
Rollback [patch_name]
```

Rollback to the last applied software update or specified EEB. Where *[patch_name]* is the name of the EEB to rollback to. Do not specify a value for *[patch_name]* to roll back to the previous software update.

See [“About the Support view commands”](#) on page 25.

- See [“About NetBackup appliance commands”](#) on page 11.
- See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.
- See [“About NetBackup appliance shell menu usage”](#) on page 12.

EXAMPLE

To roll back to a previous software version of NetBackup

- 1 Make sure that you have logged off and logged on to the appliance. That ensures that the `Rollback` command is present in the command line interface.
- 2 From the command line interface, enter the following command:

```
Main_Menu> Support> Software> Rollback
```

- 3 At the following prompt, press the Y key to answer yes.

```
Do you want to rollback to x.x.x.x? (y/n)
```

Where `x.x.x.x` is the previous version number.

This process requires various processes to be stopped and started. In addition, the previous version that is found, is displayed for you to see.

- 4 After the Rollback has completed, log off and then log back on to your appliance.

To roll back an installed EEB

- 1 Make sure that you have logged off and logged on to the appliance. That ensures that the `Rollback` command is present in the command line interface.
- 2 From the command line interface, enter the following command:

```
Main_Menu> Support> Software> Rollback SYM_ABC5200_EEB_1-1.2.3.0
```

Where `SYM_ABC5200_EEB_1-1.2.3.0` is the name of the EEB that you want to roll back.

- 3 At the following prompt, press the Y key to answer yes.

```
Do you want to rollback the EEB SYM_ABC5200_EEB_1-1.2.3.0? (y/n)
```

- 4 After Rollback has completed, log off and then log back on to your appliance.

Share

`Share` - Share or unshare a directory for incoming patches

SYNOPSIS

`Share Open`
`Share Close`

DESCRIPTION

You can use this command to share or not share the directory that is used to receive incoming patches for your appliance. This is accomplished by opening and closing the Network File System (NFS) and Common Internet File System (CIFS) protocol shares.

OPTIONS

`Share Open`

Open the NFS and CIFS shares for the directory that receives incoming patches

`Share Close`

Close the NFS and CIFS shares for the directory that receives incoming patches

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Main > Manage > Storage view commands

This appendix includes the following topics:

- [Expand](#)
- [List](#)
- [Resize](#)
- [Rollback](#)

Expand

`Expand` – Use this command to expand the NetBackup Storage disk pool.

SYNOPSIS

`Expand`

Description

Before you use this command, you should list the existing disk pool configuration so that you can see the available disks that you are about to add. When you run the `Expand` command, you are asked if you want to add the available enclosures to NetBackup Storage Disk Pool storage. If you enter `y` for yes, then all of the available disk enclosures are added. The default value is no.

Options

`Expand`

Use to expand the NetBackup Storage disk pool.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Example

The following online procedure appears after you run the `Expand` command. This procedure steps you through the process of expanding your current storage.

```
Storage> Expand
```

```
The following Enclosures are available for NetBackup Storage Disk Pool expansion
```

```
Vendor: Promise      Model: J630s          : 25987 GB
Total size of New Available Enclosures : 25987 GB
```

```
Do you want to add available enclosures to NetBackup Storage Disk Pool
Storage? (y/n) (default: n)y
```

If you answer yes, a summary of the size of the disk pool is provided. As shown below, you can see the size of the disk pool before you chose to expand the storage and the size of the storage after the expansion completed.


```
Total size of NetBackup Storage Disk Pool before expansion :      7443 GB
Total size of NetBackup Storage Disk Pool after expansion  :
Expansion of NetBackup Storage Disk Pool passed
```

List

List - Use this command to list the NetBackup Storage disk pool.

SYNOPSIS

List

Description

Use this command to list the NetBackup Storage disk pools. It shows the name of the disk enclosures, the state of the disk enclosures, and which enclosures are available to be added. It also displays the amount of storage each enclosure has.

The enclosures can be in three different states as shown in the following list:

- **INUSE ONLINE** - This status indicates the enclosure is currently in use.
- **NEW AVAILABLE** - Indicates a new enclosure that can be added to the NetBackup Storage disk pool storage.
- **INUSE ERROR** - Indicates a configured enclosure that is not usable.

Options

List

Lists the NetBackup Storage disk pool.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Example

The following is an example of the information that is displayed when the List command is used.

```
NetBackup Storage Disk Pool Information

Size of NetBackup Deduplication volume :      6699 GB [ 90%]
Size of NetBackup AdvancedDisk volume  :      744 GB [ 10%]

+-----+
|DISK   |STATUS           |SIZE IN GB|
+-----+
```

```
|sdc(Root) | INUSE ONLINE |          999 |  
|sdd      | INUSE ONLINE |          7443 |  
|J360s    | NEW AVAILABLE |         25987 |  
+-----+
```

```
Size of NetBackup Storage Disk Pool           :          7443 GB  
Size of available Enclosures for Disk Pool Expansion : 25987.00 GB
```

Note : Please use Expand option to add available enclosures to Disk Pool

Resize

`Resize` - Use to resize NetBackup storage disk pool volume.

SYNOPSIS

`Resize`

Description

This command enables you to resize the disk volumes in the appliance disk group. When you run this command two things happen. You are shown the current disk configuration that includes the size and the percentage of storage that the disk group and each disk volume is allocated. And you are asked if you want to adjust the amount of storage that is allocated for each disk volume. The default response is yes.

After you respond yes, you can enter the size or the percentage of storage that you want to allocate to the AdvancedDisk volume. After you enter that value, the remaining storage is calculated and assigned to the NetBackup Deduplication volume.

After you have entered a new value for the AdvancedDisk volume, the new disk configuration information appears so you can confirm the changes.

However, if the AdvancedDisk size is greater than zero and an AdvancedDisk storage unit does not exist, you are prompted to create and name an AdvancedDisk storage unit. The following prompts appear and guide you through the process:

```
No AdvancedDisk storage unit detected on this appliance.  
Do you want to create one ? (yes/no): y
```

```
What Storage Unit Name do you want for the new AdvancedDisk pool (stu_adv_disk_  
Successfully created Deduplication storage unit stu_adv_disk_name
```

In addition, if the Deduplication disk storage size is greater than zero and a Deduplication storage unit does not exist, you are prompted to create and name a Deduplication storage unit. The following prompts appear and guide you through the process:

```
No Deduplication storage unit detected on this appliance.  
Do you want to create one ? (yes/no): y
```

```
What Storage Unit Name do you want for the Deduplication pool (stu_disk_name):  
Successfully created Deduplication storage unit stu_disk_name
```

Options

Resize

Use to resize NetBackup storage disk pool volume.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Rollback

Rollback – Use to rollback an expansion unit.

SYNOPSIS

Rollback

Description

This command enables you to rollback an expansion unit. The operation moves the Deduplication disk data and the Advanced disk data from the expansion unit and places it back on the base unit. It also reduces the capacity of the Advanced disk storage pool to the currently used size. After the rollback process completes, you should use the `Resize` command to adjust the storage again.

Options

Rollback

Use to rollback an expansion unit.

Examples

The following example demonstrates the process that you need to follow when you run the `Rollback` command.

```
Storage> rollback
```

```
This operation will move the deduplication disk and advanced disk  
data from expansion unit back on the base unit
```

```
>> Do you want to continue : (yes/no): yes
```

```
The total capacity of the Advanced storage pool will be reduced to  
its current used size. You should re-size the storage pools once the  
rollback operation is complete.
```

```
Expansion rollback successful.
```

Main > Manage > Tapes view commands

This appendix includes the following topics:

- [Cleaning](#)
- [Delete](#)
- [Eject](#)
- [Freeze](#)
- [Inventory](#)
- [List](#)
- [ListNetBackupMedia](#)
- [Suspend](#)
- [Unfreeze](#)
- [Unsuspend](#)

Cleaning

`Cleaning` – Designate that a tape is the cleaning tape.

SYNOPSIS

`Cleaning mediaid`

DESCRIPTION

Use this command to designate which tape in a tape library is the cleaning tape.

OPTIONS

`Cleaning mediaid`

Use to indicate which tape is the cleaning tape.

mediaid is the media identifier.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Delete

`Delete` – Delete media from a NetBackup database.

SYNOPSIS

`Delete mediaid`

DESCRIPTION

Use this command to identify a piece of media to delete from a NetBackup database.

OPTIONS

`Delete mediaid`

Use to delete media from a NetBackup database.

mediaid is the media identifier.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Eject

`Eject` - Eject media from a tape library.

SYNOPSIS

`Eject mediaid`

DESCRIPTION

Use this command to identify and eject media from a tape library.

OPTIONS

`Eject mediaid`

Use to eject media from a tape library.

mediaid is the media identifier.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Freeze

`Freeze` – Freeze media in a NetBackup database.

SYNOPSIS

`Freeze mediaid`

DESCRIPTION

Use this command to select a piece of media to freeze in a NetBackup database.

OPTIONS

`Freeze mediaid`

Use to freeze media in a NetBackup database.

mediaid is the media identifier.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Inventory

`Inventory` – Inventory all of the libraries for the volumes that have been added or removed.

SYNOPSIS

`Inventory`

DESCRIPTION

Use this command to inventory all of the libraries for the volumes that have been added or removed.

OPTIONS

`Inventory`

Inventory all libraries for added or removed volumes.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

List

List – Show a list of the media.

SYNOPSIS

List

DESCRIPTION

Use this command to list the media. This command provides the following types of information about the media:

- Media ID
- Media type
- Robot type
- Robot number
- Robot slot
- Side/face
- Optical partner
- Number of mounts and cleanings
- Last mount time

OPTIONS

List

Lists the media.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

ListNetBackupMedia

ListNetBackupMedia – Show a list of the media that NetBackup uses.

SYNOPSIS

ListNetBackupMedia

DESCRIPTION

Use this command to show a list of the media that NetBackup uses.

OPTIONS

ListNetBackupMedia

List the media that NetBackup uses.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Suspend

`Suspend` – Suspend media in a NetBackup database.

SYNOPSIS

`Suspend mediaid`

DESCRIPTION

Use this command to select and suspend media in a NetBackup database.

OPTIONS

`suspend mediaid`

Use to suspend media in a NetBackup database.

mediaid is the media identifier.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Unfreeze

`Unfreeze` – Unfreeze the media that has been frozen in a NetBackup database.

SYNOPSIS

`Unfreeze mediaid`

DESCRIPTION

Use this command to unfreeze the media that has been frozen in a NetBackup database.

OPTIONS

`Unfreeze mediaid`

Unfreeze the frozen media in a NetBackup database.

mediaid is the media identifier.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Unsuspend

`Unsuspend` – Unsuspend the media that has been suspended in a NetBackup database.

SYNOPSIS

```
Unsuspend mediaid
```

DESCRIPTION

Use this command to unsuspend the media that had been suspended in a NetBackup database.

OPTIONS

```
Unsuspend mediaid
```

Unsuspend media in a NetBackup database.

mediaid is the media identifier.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Main > Monitor view commands

This appendix includes the following topics:

- [Hardware](#)
- [NetBackup](#)
- [Top](#)
- [Uptime](#)
- [Who](#)

Hardware

`Hardware` – Use to monitor the appliance hardware.

SYNOPSIS

`Hardware sensor`

DESCRIPTION

Use this command to monitor the appliance hardware.

OPTIONS

`Hardware sensor`

Use to monitor the appliance hardware.

Use the *sensor* variable to define the hardware components within the appliance to monitor. The following list contains the selections that you can use to monitor the hardware: [all | product | CPU | fan | disk | raid | hba | temp | power]

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

NetBackup

`NetBackup` – Display and control various aspects of backup jobs

SYNOPSIS

```
NetBackup Jobs All
NetBackup Jobs Failed
```

DESCRIPTION

This command exists under the `Main > Monitor` view. Use this command to display all of the backup jobs that are configured for your appliance or the failed jobs.

OPTIONS

```
NetBackup Jobs All
    Display backup job information.
```

```
NetBackup Jobs Failed
    Display the failed backup job IDs.
```

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Top

Top – Display the top process information.

SYNOPSIS

Top

DESCRIPTION

This command exists under the `Main > Monitor` view. You can use this command to view the top process information.

OPTIONS

Top

Use to display the top process information.

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Uptime

`Uptime` - Display the uptime statistics for the current host.

SYNOPSIS

`Uptime`

DESCRIPTION

Use this command to display the uptime statistics for the current host.

OPTIONS

`Uptime`

Display the uptime statistics for the current host.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Who

`who` – Display current logon sessions on the current host.

SYNOPSIS

`who`

DESCRIPTION

Use this command to display current logon sessions on the current host.

OPTIONS

`who`

Display current logon sessions on the current host.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Main > Network view commands

This appendix includes the following topics:

- [Configure](#)
- [Date](#)
- [DNS](#)
- [Gateway](#)
- [Hostname](#)
- [Hosts](#)
- [IPv4](#)
- [LinkAggregation](#)
- [NetStat](#)
- [NTPServer](#)
- [Ping](#)
- [SetProperty](#)
- [Show](#)
- [SyncTime](#)
- [TimeZone](#)
- [TraceRoute](#)

- [Unconfigure](#)

Configure

`Configure` – Use to configure the NetBackup 5200 appliance to a network.

SYNOPSIS

```
Configure IPAddress Netmask GatewayIPAddress [InterfaceNames]  
[BondingMode]
```

DESCRIPTION

During the initial configuration of the appliance, you can use the `Configure` command to configure the IP address of the network that you want to connect your appliance to. After the initial configuration, you can use this command to change the IP address and connect your appliance to a different network. When you use this command, you need to define the IP address, the netmask address, and the gateway address.

OPTIONS

```
Configure IPAddress Netmask GatewayIPAddress [dev]
```

You can use this command to configure the IP address and default gateway for the appliance. The command configures the IP address and sets the default gateway.

Where *IPAddress* is the IPv4 address, *Netmask* is the netmask, *GatewayIPAddress* is the default gateway IP address, and [*dev*] is the name of the device.

In the [*InterfaceNames*] field the following applies:

- If you enter a single interface name, then the IP address is configured on that device.
- If you enter a comma-separated list of interface names, then a bond is created and the IP address is configured on the bonded device. You must ensure that the interfaces that comprise the list are of same type, either **FIBRE** or **COPPER**). In addition, the interfaces must support the same speed and at least one of the interfaces in the list is cabled.
- If you do not enter a interface name, the best possible interface or interfaces are selected based on the port type (**FIBRE** or **COPPER**), speed, and the link status.

You define the bonding mode in the `BondingMode` field. You can enter one of the following modes:

- balance-rr
- active-backup
- balance-xor
- broadcast
- 802.3ad
- balance-tlb
- balance-alb (This bonding mode is the default value.)

EXAMPLES

The following examples show how to configure your appliance using the Auto selection, specifying a specific interface, or multiple interfacing and creating a bond.

- In this example, the automatic interface selection [Auto] is used to configure an interface.

```
Configure 10.180.2.3 255.255.255.0 10.182.0.1
```

- Specify an explicit interface, in this example, ethernet port 2 (eth2) is being configured.

```
Configure 10.180.2.3 255.255.255.0 10.182.0.1
```

- Specify explicit interfaces such as eth2 and eth3 to create a bond.

```
Configure 10.180.2.3 255.255.255.0 10.182.0.1
```

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Date

Date – Use to set or show the computer system time.

SYNOPSIS

```
Date Set Month Day HHMMSS Year
Date Show
```

DESCRIPTION

You can use this command to set or show the system time.

OPTIONS

```
Date Set Month Day HHMMSS Year
```

Use this command to set the system time.

Where *Month* is the month, *Day* is the day of the month, *HHMMSS* is the hour, minute, and seconds, and *Year* is the current year.

The following is sample entry for this command:

```
Date Set Apr 29 23:44:34 2011
```

```
Date Show
```

Use this command to show the system time.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

DNS

DNS – Use to configure the DNS information for the appliance.

SYNOPSIS

```
DNS Add NameServer IPAddress
DNS Add SearchDomain SearchDomain
DNS Delete NameServer IPAddress
DNS Delete SearchDomain SearchDomain
DNS Domain DomainName
DNS Show
```

DESCRIPTION

You can use this command to perform the following tasks:

- Add or delete a search domain or a domain nameserver.
- Set the appliance DNS domain name.
- Show the current DNS information.

OPTIONS

```
DNS Add NameServer IPAddress
```

Use to add a DNS nameserver to the configuration.

Where *IPAddress* is the IP address of the DNS nameserver.

```
DNS Add SearchDomain SearchDomain
```

Use to add a DNS search domain to the configuration.

Where *search_domain* is the target domain to add for searching.

```
DNS Delete NameServer IPAddress
```

Use to delete a DNS named server from the configuration.

Where *IPAddress* is the IP address of the DNS nameserver.

```
DNS Delete SearchDomain SearchDomain
```

Use to delete a DNS search domain from the configuration.

```
DNS Domain DomainName
```

Use this command to set the appliance domain name. Where *DomainName* is the domain name of the appliance

DNS Show

Use to show the current DNS information.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Gateway

`Gateway` – Use this command to add or delete routing information.

SYNOPSIS

```
Gateway Add GatewayIPAddress [TargetNetworkIPAddress] [Netmask]  
[InterfaceName]  
Gateway Delete TargetNetworkIPAddress  
Gateway Show
```

DESCRIPTION

Use this command to add or delete a route from the kernel routing table. With this command you can also view the kernel routing table. Refer to Linux route man page for more advanced use cases.

With this command you can define the IPv4 address that you plan to add or delete as well as display the current gateway information. If multiple networks are added to the appliance configuration, you can use the Gateway Add command to add the gateway to all of the destination networks.

OPTIONS

```
Gateway Add GatewayIPAddress [TargetNetworkIPAddress] [Netmask]  
[InterfaceName]
```

Use this command to add a route to a kernel routing table.

Where the *GatewayIPAddress* variable is the new IPv4 gateway address. The *TargetNetworkIPAddress* is the target network IPv4 address. The *Netmask* variable is the target network netmask, and *InterfaceName* is the interface name. The *TargetNetworkIPAddress*, *Netmask*, and *InterfaceName* are optional when you set up the default gateway. After the default gateway has been added, you must use these fields to add any additional gateways.

```
Gateway Delete TargetNetworkIPAddress
```

Use this command to delete the route from the kernel routing table.

Where *TargetNetworkIPAddress* is the target network address.

```
Gateway Show
```

Use to display the gateway and the route information.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

EXAMPLE

Use the following example to set the default gateway.

```
Gateway Add 10.180.1.1
```

Use the following example to add a route to the destination network 192.168.2.0.

```
Gateway Add 191.168.2.1 192.168.2.0 255.255.255.0
```

Use the following example to delete the default gateway.

```
Gateway Del default
```

Use the following example to delete a route to the destination network, 10.180.0.0.

```
Gateway Del 10.180.0.0
```

Hostname

`Hostname` – Use to set or show the hostname for your appliance.

SYNOPSIS

`Hostname Set Name`

`Hostname Show`

DESCRIPTION

You can use this command to set the host name of the appliance.

OPTIONS

`Hostname Set Name`

Set the host name.

The *Name* variable contains the fully qualified name of the host.

`Hostname Show`

Display the hostname.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Hosts

`Hosts` - Use to manage the IP address and host name mapping.

SYNOPSIS

```
Hosts Add IPAddress FQHN ShortName
Hosts Delete IPAddress
Hosts Show
```

DESCRIPTION

You can use this command to view the hosts configuration information, such as the IP address and host name mapping. You can also use this command to add or delete an IP address from the hosts file.

OPTIONS

```
Hosts Add IPAddress FQHN ShortName
```

Use to add a IP address to the host name mapping.

IPAddress is the IPv4 address to add. *FQHN* is the fully qualified host name. And *ShortName* is the short host name.

```
Hosts Delete IPAddress
```

Use to delete IP address to the host name mapping.

IPAddress is the IPv4 address to add.

```
Hosts Show
```

Use to display the IP address and host name mapping.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

IPv4

IPv4 – Use to change the IPv4 address of a network interface.

SYNOPSIS

```
IPv4 IPAddress NetMask [InterfaceName]
```

DESCRIPTION

Use this command to change the IPv4 address of a network interface. You can use this command to configure multiple network interfaces. To do that, you repeat the command for each network that you want to add.

OPTIONS

```
IPv4 IPAddress NetMask [dev]
```

Use to change the IPv4 address of a network interface.

Where *IPAddress* is the name of the new IPv4 address, *NetMask* is the name of the netmask, and [*InterfaceName*] is a comma-separated list of interface names. The [*InterfaceName*] field is optional. If an interface name is not provided, the command searches for an interface and configures it.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

LinkAggregation

LinkAggregation - Use to manage link aggregation.

SYNOPSIS

```
LinkAggregation Disable [InterfaceName]
LinkAggregation Enable [Slaves] [BondingMode]
LinkAggregation Show [InterfaceName]
LinkAggregation Status
```

DESCRIPTION

You can use this command to manage link aggregation.

You can use this command to enable bonding, or link aggregation, across the available network cards. If only one port is configured, bonding is not available. If multiple ports are configured on your appliance, they are identified automatically.

You have the ability to bond multiple ports or define specific ports to bond by what you enter in the `slaves` option. To bond multiple ports, you must use a comma to separate the device names. In addition, you should ensure that all of the ports that are participating in a bond are connected to the same switch. And make sure that is no additional port configuration done at the switch.

There are eight different bond modes that you can chose from. Some of the bond modes require additional configuration on the switch or the router. You should take additional care when you select a bond mode.

For more information about the bond modes and any required switch configuration, see the following documentation:

<http://www.kernel.org/doc/Documentation/networking/bonding.txt>

You can also use this command to do the following:

- To display the status of the link aggregation.
- To show the link aggregation properties of one or more interfaces.
- To turn off the link aggregation.

OPTIONS

```
LinkAggregation Disable [InterfaceName]
    Turns off the link aggregation.
```

The `[InterfaceName]` option is optional. You use this option to define the bond device name that you want to disable. You can use the `LinkAggregation > Status` command to obtain the device name.

```
LinkAggregation Enable [Slaves] [BondingMode]
```

Use to turn on link aggregation.

The `[Slaves]` option defines the device names that you want to bond. Use a comma as a delimiter between the device names. This field is optional. The device names are identified automatically based on the current network settings and properties.

The `BondingMode` option is used to define the bond mode in which to configure bonding, or link aggregation. The eight available modes are, `balance-rr` | `active-backup` | `balance-xor` | `broadcast` | `802.3ad` | `balance-tlb` | `balance-alb`. The default mode is `balance-alb`.

```
LinkAggregation Status
```

Show the status of the link aggregation. If no interfaces have been configured, the following message appears:

```
No virtual interfaces have been configured.
```

```
LinkAggregation Show [InterfaceName]
```

Show the link aggregation properties of one or more interfaces.

Use the `InterfaceName` option to define the interface or interfaces that you want to view the properties of. Use an comma to separate the interface names if you want to view the properties of more than one.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

NetStat

NetStat – Identify network statistical information

SYNOPSIS

```
NetStat a
NetStat an
NetStat ia
NetStat s
```

DESCRIPTION

This command exists under the `Main_Menu > Network view`. The `Netstat` command displays various network-related information such as network statistical information.

OPTIONS

```
NetStat a
```

Examine network connections for all interfaces, textually.

```
NetStat an
```

Examine network connections for all interfaces, numerically.

```
NetStat ia
```

Examine network interface stats.

```
NetStat s
```

Examine network summary stats for all interfaces, numerically.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

NTPServer

`NTPServer` – Use to manage the NTP Servers.

SYNOPSIS

```
NTPServer Add Server
NTPServer Delete Server
NTPServer Show
```

DESCRIPTION

Use this command manage the NTP servers. With this command, you can to do the following:

- Add an NTP server to the sync time.
- Delete an NTP server.
- Show the known NTP Servers.

OPTIONS

```
NTPServer Add Server
```

Use this command to add an NTP Server. Where *Server* is the name of the server to add.

```
NTPServer Delete Server
```

Use this command to delete an NTP Server. Where *Server* is the name of the server to delete.

```
NTPServer Show
```

Use this command to show the known NTP Servers.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Ping

`Ping` - An attempt to reach a host or IP address with `ICMP ECHO_REQUESTs`

SYNOPSIS

`Ping Host`

DESCRIPTION

This command exists under the `Main_Menu > Network` view. Use this command to test whether a particular host is reachable across an Internet Protocol (IP) network. The command sends a small packet of information to a hostname or an IP address to test network communications. It then provides information on how long the packet took to come back to its origin.

OPTIONS

`Ping Host`

Used to send a small packet of `ICMP ECHO_REQUESTs` to a host name or an IPv4 address of the target computer to test the network communications.

Where *Host* is the hostname or the IPv4 address of the target computer.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

SetProperty

`SetProperty` - Use to set the ethernet interface property.

SYNOPSIS

`SetProperty InterfaceName Property Value`

DESCRIPTION

You can use this command to set ethernet interface property. You can define the name of the device, the property name such as an MTU. And you can define the property value, such as 1500 for the MTU.

OPTIONS

`SetProp InterfaceName Property Value`

Use this command to set ethernet interface property.

Enter the name of the interface name in the *InterfaceName* variable. An example of this value is **eth1**. The *Property* variable is the property name, such as **mtu**. The *Value* variable is the property value, for example 1500.

The following is sample entry for this command:

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Show

Show – List the network properties.

SYNOPSIS

```
Show Configuration
Show Properties [InterfaceNames]
Show Status
```

DESCRIPTION

Use this command to list the network properties.

OPTIONS

Show Configuration

This command displays the network interface properties.

Show Properties [InterfaceNames]

Display the network properties. The *InterfaceNames* option contains the interface names. The *InterfaceNames* option is optional to use. If you enter multiple interface names, separate the names with a comma.

Show Status

Use this command to provide the following network status information:

- Device status
- Routing status
- Link aggregation status

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

SyncTime

`SyncTime` – Use to synchronize the time with an NTP server.

SYNOPSIS

`SyncTime server`

DESCRIPTION

Use to synchronize time with an NTP server.

OPTIONS

Use to synchronize time with an NTP server.

`SyncTime server`

Use to synchronize time with an NTP server. Where *server* is the name of the NTP server.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

TimeZone

TimeZone – Use to set the time zone.

SYNOPSIS

TimeZone Reset

TimeZone Set

TimeZone Show

DESCRIPTION

You can use this command to set time zone for which your appliance is located. You can reset the timezone to the Coordinated Universal Time (UTC) or show the currently configured timezone.

OPTIONS

TimeZone Reset

Use this command to reset the time zone to UTC.

TimeZone Set

Use this command to set the time zone.

TimeZone Show

Use this command to show the currently configured time zone.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

TraceRoute

`TraceRoute` - Displays the network packet route

SYNOPSIS

`TraceRoute Host`

DESCRIPTION

This command exists under the `Main_Menu > Network view`. Use this command to display the network path of Internet routers that a packet takes as it travels from the appliance to the destination IP address or host.

OPTIONS

`TraceRoute Host`

Display the network route that a packet took to a destination host name or the IPv4 address of the target computer.

Where *Host* is the hostname or the IPv4 address of the target computer.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Unconfigure

`Unconfigure` – Removes the IP address and shuts down the interface.

SYNOPSIS

`Unconfigure InterfaceName`

DESCRIPTION

Use this command to remove the IP address and shut down the interface.

OPTIONS

`Unconfigure InterfaceName`

Use to remove the IP address and shut down the interface. Where *InterfaceName* is the name of the interface.

See [“About Network view commands”](#) on page 21.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Main > Network > Security (IPsec) view commands

This appendix includes the following topics:

- [Configure](#)
- [Delete](#)
- [Export](#)
- [Import](#)
- [Provision](#)
- [Refresh](#)
- [Show](#)
- [Unconfigure](#)

Configure

Configure – Configure IPsec between any two hosts.

SYNOPSIS

```
Configure Host1Info [Host2Info]
```

DESCRIPTION

You can use this command to configure IPsec between any two hosts. You can define the hosts by the host name. You can also identify them by the user ID and password.

OPTIONS

```
Configure Host1Info [Host2Info]
```

Use this command to configure IPsec between any two hosts. The *Host1Info* variable can contain the following information that is separated by a comma. The host name, the user ID (optional), and the password (optional). The [*Host2info*] variable can contain the host name, the user ID (optional), and the password (optional).

Delete

`Delete` - Remove IPsec policies for a list of remote hosts on a local system.

SYNOPSIS

`Delete Hosts`

DESCRIPTION

You can use this command to remove IPsec policies for a list of remote hosts on a local system.

OPTIONS

`Delete Hosts`

Remove IPsec policies for a list of remote hosts on a local system. Use the *Hosts* variable to define one or more host names. Use a comma to separate multiple host names.

Export

`Export` - Export the IPsec credentials.

SYNOPSIS

```
Export [EnterPasswd] [PathValue]
```

DESCRIPTION

Use this command to export the IPsec credentials to a specified location.

OPTIONS

```
Export [EnterPasswd] [PathValue]
```

Use this command to export the IPsec credentials. The `EnterPasswd` field is used to answer the question, "Do you want to enter a password?". You must enter a value of **yes** or **no** in this field. In addition, you must specify a path that defines where you want to place the exported credentials.

Import

`Import` - Import the IPsec credentials.

SYNOPSIS

```
Import [EnterPasswd] [PathValue]
```

DESCRIPTION

Use this command to import the IPsec credentials to a specified location.

OPTIONS

```
Import [EnterPasswd] [PathValue]
```

Use this command to import the IPsec credentials. The `EnterPasswd` field is used to answer the question, "Do you want to enter a password?". You must enter a value of **yes** or **no** in this field. In addition, you must specify a path that defines where you want to place the imported credentials.

Provision

Provision – Provision IPsec policies for a list of remote hosts on a local system.

SYNOPSIS

Provision Hosts

DESCRIPTION

Use this command to provision IPsec policies for a list of remote hosts on a local system.

OPTIONS

Provision Hosts

Provision IPsec policies for a list of remote hosts on a local system. Use the *Hosts* variable to define one or more host names. Use a comma to separate multiple host names.

Refresh

`Refresh` – Use to reload the IPsec configuration.

SYNOPSIS

`Refresh [Auto]`

DESCRIPTION

Use this command to reload the IPsec configuration. With auto-refresh, refresh the configurations on all referenced hosts. The default setting for this command is `NoAuto`.

OPTIONS

`Refresh [Auto]`

Use this command to reload the IPsec configuration. The `[Auto]` options defines whether the configurations on all referenced hosts are refreshed or not. You can enter **Auto** or **NoAuto**. The default value is **NoAuto**.

Show

Show – Display the IPsec policies for a local host or a provided host.

SYNOPSIS

```
Show [Verbose] [HostInfo]
```

DESCRIPTION

You can use this command to display the IPsec policies for a local host or a provided host. You can define whether the output in verbose or not. And you define the host.

OPTIONS

```
Show [Verbose] [HostInfo]
```

Display the IPsec policies for a local host or a provided host. The [Verbose] options is used to define whether the output is verbose or not. The values that you can enter in this field are `VERBOSE` or `NOVERBOSE`. The default value is `NOVERBOSE`.

The [HostInfo] option can contain the following information that is separated by a comma. The host name, the user ID (optional), and the password (optional).

Unconfigure

`Unconfigure` - Unconfigure IPsec between any two hosts.

SYNOPSIS

```
Unconfigure Host1Info [Host2Info]
```

DESCRIPTION

You can use this command to unconfigure IPsec between any two hosts.

OPTIONS

```
Unconfigure Host1Info [Host2Info]
```

Use this command to nuconfigure IPsec between any two hosts. The *Host1Info* variable can contain the following information that is seperated by a comma. The host name, the user ID (optional), and the password (optional). The [*Host2info*] variable can contain the host name, the user ID (optional), and the password (optional).

Main > Reports view commands

This appendix includes the following topics:

- [Deduplication](#)
- [Process](#)

Deduplication

Deduplication – Show the deduplication statistics for the appliance.

SYNOPSIS

Deduplication

DESCRIPTION

Use this command to show the deduplication statistics for the appliance.

OPTIONS

Deduplication

Shows the deduplication statistics for the appliance.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

EXAMPLE

The following command shows an example of how the Deduplication statistics are displayed.

```
.Reports> Deduplication

.Reports> Deduplication
Deduplication statistics
Data Protected                0 MB
Space Used For Protection    0 MB
Deduplication rate           72.903%
Physical free space          6255263 MB
Logical free space           0 MB
Total free space              6255263 MB
Maximum Disk Space           6255877 MB
Used Disk Space               614 MB
```

Process

`Process` – Show the status of a current process.

SYNOPSIS

`Process`

DESCRIPTION

Use this command to show the status of a current process.

OPTIONS

`Process`

Show the status of a current process.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

EXAMPLE

The following is an example of the output that appears when you run this command.

```
Reports> Process
NB_dbsrv:    Down          bpcd:        Running Responding
bpdbm:      Down          bpjobd:      Down
bprd:       Down          nbars:       Down
nbemm:      Down          nbjm:        Down
nbpem:      Down          nbrb:        Down
nbrmms:     Running        nbsl:        Running
nbstserv:   Down          nbsvcmon:    Running
postmaster: Running        spad:        Running
spoold:     Running        vmd:         Running Responding
vnetd:      Running
```


Main > Settings view commands

This appendix includes the following topics:

- [CallHome](#)
- [Deduplication](#)
- [Email](#)
- [FibreTransport](#)
- [LifeCycle](#)
- [LiveUpdateServer](#)
- [NetBackup](#)
- [Password](#)
- [SNMP](#)

CallHome

`CallHome` – Use to add the appliance-specific and the customer-specific information that Symantec Support uses when an issue occurs and you require assistance.

SYNOPSIS

```
CallHome Disable
CallHome Enable
CallHome Location Address addr
CallHome Location Contact contact
CallHome Location Disable
CallHome Location Enable
CallHome Location Phone phone
CallHome Location Show
CallHome Proxy Add name port
CallHome Proxy Disable
CallHome Proxy Enable
CallHome Proxy Show
CallHome Show
```

DESCRIPTION

The `CallHome` command provides valuable information about your appliance and yourself to Symantec support if an issue occurs. With this command you can enable or disable the Call Home feature by either adding it or deleting it from the scheduled cron job. Use this command to add the following information:

- The contract ID of the appliance
- The Email address that the NetBackup uses
- The address of the company and the phone number of the person to contact

You can use the `Callhome Enable` or `CallHome Disable` commands to control whether the appliance contacts `Symantec.com` for new software updates. The functionality is enabled by default. You can see the software update notifications on the **Manage > Application** page in the appliance administrative user interface.

In addition, you can use this command to specify proxy server information. If your appliance environment has a proxy server between the environment and external Internet access, you must enable the proxy settings on the appliance. The proxy settings include both a proxy server and a port. The proxy server must

accept https connections from the Symantec call home server. This feature is disabled by default. To use this feature, the proxy server on your site must be able to handle https requests.

OPTIONS

CallHome Disable

Disables the Call Home feature by removing it from the cron job. This command also disables communication between the appliance and `Symantec.com`. That means you do not receive notification if a new software update is available for download.

CallHome Enable

Disables the Call Home feature by adding it to the cron job. This command also enables communication between the appliance and `Symantec.com`. That means you receive notification if a new software update is available for download. You see this notification on the **Manage > Application** page in the appliance administrative user interface.

CallHome Location Address *addr*

Use this command to define the address location where the appliance is physically located. Where *addr* is the postal address. You begin and end your entry with double quotes.

CallHome Location Addemail *email_ids*

Use this command to add an email address for the contact person for the appliance. Where *email_ids* is the email address or email addresses. To add multiple email addresses, use a semicolon as the separator.

CallHome Location Contact *contact*

Use this command to enter the contact person's name. Where *contact* is the name of the person who is the first point of contact and responsible for the appliance. That is the person who Symantec tries to contact if things go wrong with your appliance. You begin and end the entry with double quotes. To enter multiple contact names, separate the names with a comma.

CallHome Location Deleteemail *email_ids*

Use this command to delete an email address for the contact person for the appliance. Where *email_ids* is the email address or email addresses. To remove multiple email addresses, use a semicolon as the separator.

CallHome Location Disable

Use this command to disable the ability to upload your contact information under “Location” to the Call Home server. Symantec recommends you take

advantage of this feature and enter all the information correctly and enable the information to be sent so better support can be provided.

`CallHome Location Enable`

Use this command to enable the ability to upload your contact information under “Location” to the call-home server. By default it is enabled to send the data to the Call Home server.

`CallHome Location Phone phone`

Use this command to enter the contact person's phone number. Where *contact* is the person's name. You begin and end your entry with double quotes. The format of the phone must be, 1-###-###-####, where the hash key is a digit between zero and nine.

`CallHome Location Show`

Use to display the contact information that has been entered for the appliance.

`CallHome Proxy Add name port`

Use this command to add the proxy server setting to the appliance. Where *name* is the name of the proxy server that is either the TCP/IP address or the fully qualified name of the proxy server. And *port* is the proxy port number on the proxy server.

If you do not add "http(s):" at the start of the server name then by default `http://` is added to it.

`CallHome Proxy Disable`

Disable the use of the proxy server settings.

`CallHome Proxy Enable`

Enable use of the proxy server settings.

`CallHome Proxy Show`

Show the proxy setting information.

`CallHome Show`

Display the currently configured settings of your appliance.

See [“About the Support view commands”](#) on page 25.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

EXAMPLES

The following example demonstrates how to add the address information of where the appliance is physically located.

```
NBAppliance.Admin> CallHome Location Address "Hollywood, CA, 98765, USA"
```

```
Address added successfully
```

The following example demonstrates how to add multiple contact names that should be associated with the appliance.

```
NBAppliance.Admin> CallHome Location Contact "Jane Doe, John Smith"
```

```
Contact added successfully
```

The following example demonstrates how to add multiple email addresses of contacts that are responsible for the appliance.

```
NBAppliance.Admin> CallHome Location Addemail jane_doe@company_one.com; john
```

```
Email address as been added successfully
```

The following example demonstrates how to disable the ability to upload your contact information under “Location” to the Call Home server.

```
NBAppliance.Admin> CallHome Location Disable
```

```
Disabled appliance upload information successfully
```

The following example demonstrates how to delete an email address of a contact that is associated with the appliance.

```
NBAppliance.Admin> CallHome Location Deleteemail jane_doe@abc.com
```

```
Email address as been added successfully
```

The following example demonstrates how to enable the ability to upload your contact information under “Location” to the Call Home server.

```
NBAppliance.Admin> CallHome Location Enable
```

```
Enabled appliance upload information successfully
```

The following example demonstrates how to add the contact person's phone number.

```
NBAppliance.Admin> CallHome Location Phone 1-555-555-5555
```

```
Phone number added successfully
```

The following example demonstrates how to show all of the contact information that has been entered for the appliance.

```
NBAppliance.Admin> CallHome Location Show

Contact: Jane Doe, John Smith
Address: Hollywood, CA, 98765, USA
Phone : 1-555-555-5555
Email  : jane_doe@abc.com; john_smith@abc.com
Upload Appliance Information: Yes
```

The following example demonstrates how to add a proxy server to your appliance and the confirmation message that is returned.

```
NBAppliance.Admin> CallHome Proxy Add  appclient1.demo.com 8080

Added proxy server successfully
Added proxy port successfully
```

The following example demonstrates how to disable the Call Home proxy server and the confirmation message that is returned.

```
NBAppliance.Admin> CallHome Proxy Disable

Proxy disabled successfully
```

The following example demonstrates how to add a proxy server to your appliance and the confirmation message that is returned.

```
NBAppliance.Admin> CallHome Proxy Enable

Proxy enabled successfully
```

The following example demonstrates how to display the server and port information you entered and that Call Home uses.

```
NBAppliance.Admin> CallHome Proxy Show

Proxy Settings
  Server: http://appclient1.demo.com
  Port   : 8080
  State  : Enabled
```

Deduplication

`Deduplication` - Use to change the deduplication parameters.

SYNOPSIS

```
Deduplication Defaults
Deduplication Show
Deduplication Tune BackupRestoreRange Addresses
Deduplication Tune BandwidthLimit Limit
Deduplication Tune Compression Comp
Deduplication Tune DebugLogFile File
Deduplication Tune DontSegmentTypes Append FileTypes
Deduplication Tune DontSegmentTypes Change FileTypes
Deduplication Tune Encryption Value
Deduplication Tune LocalSettings Override
Deduplication Tune LogLevel Value
Deduplication Tune MaxImgSize Value
Deduplication Tune MaxLogSize Value
Deduplication Tune OptDupBandwidth Value
Deduplication Tune OptDupCompression Value
Deduplication Tune OptDupEncryption Value
Deduplication Tune OptDupTimeout Time
Deduplication Tune SegKSize Size
Deduplication Tune WSRetryCount Count
Deduplication Tune WSTimeout Time
```

DESCRIPTION

You can use the `Deduplication` comand with the `Default` and `Show` options to display the default values for each of the `Deduplication` parameters and the current parameter values, respectively. You can use the `Deduplication Tune` command to adjust the following parameters:

Table L-1 Deduplication parameters and default values

Setting	Default value	Possible values	Action
BackupRestoreRange	N/A	Classless Inter-Domain Routing format or comma-separated list of IP addresses	Specifies the IP address or range of addresses of the local network interface card (NIC) for backups and restores.
BandwidthLimit	0	0 (no limit) to the practical system limit, in KBs/sec	Determines the maximum bandwidth that is allowed when backing up or restoring data between the media server and the deduplication pool. The value is specified in KBytes/second. The default is no limit.
Compression	1	0 (off) or 1 (on)	Specifies whether you want compression. By default, files are not compressed. If you want compression, change the value to 1.
DebugLogFile	UNIX: /var/log/pureisk/plugin.log Windows: C:\pdplugin.log	Any path	Specifies the file to which NetBackup writes the log information. NetBackup prepends a date stamp to each day's log file. On Windows, a partition identifier and slash must precede the file name. On UNIX, a slash must precede the file name.

Table L-1 Deduplication parameters and default values (*continued*)

Setting	Default value	Possible values	Action
DontSegmentTypes	N/A	Any file extension	<p>You can specify a list of comma-separated file name extensions. Files in the backup stream that have the specified extensions are given a single segment if smaller than 16 MB. Larger files are deduplicated using the maximum 16-MB segment size.</p> <p>Example:</p> <pre>DONT_SEGMENT_TYPES = mp3,avi</pre> <p>This setting prevents NetBackup from analyzing and managing segments within the file types that do not deduplicate globally.</p>
Encryption	0	0 (off) or 1 (on)	<p>Specifies whether to encrypt the data. By default, files are not encrypted. If you want encryption, change the value to 1.</p> <p>If you set this parameter to 1 on all hosts, the data is encrypted during transfer and on the storage.</p>

Table L-1 Deduplication parameters and default values (*continued*)

Setting	Default value	Possible values	Action
LocalSettings	0	0 (allow override) or 1 (always use local settings)	Specifies whether to allow the <code>pd.conf</code> settings of the deduplication storage server to override the settings in the local <code>pd.conf</code> file.
LogLevel	0	An integer, 0 to 10 inclusive	Specifies the amount of information that is written to the log file. The range is from 0 to 10, with 10 being the most logging. Note: Change this value only when directed to do so by a Symantec representative.
MaxImgSize	50,000	0 to 50,000, in MBs	The maximum backup image fragment size in megabytes. Note: Change this value only when directed to do so by a Symantec representative.
MaxLogSize	500	0 to 50,000, in MBs	The maximum size of the log file in megabytes.
OptDupBandwidth	0	0 (no limit) to the practical system limit, in KBs/sec	Determines the maximum bandwidth that is allowed for optimized duplication. The value is specified in KBytes/second.

Table L-1 Deduplication parameters and default values (*continued*)

Setting	Default value	Possible values	Action
OptDupCompression	1	0 (off) or 1 (on)	Specifies whether to compress optimized duplication data. By default, files are not compressed. If you want compression, change the value to 1.
OptDupEncryption	0	0 (off) or 1 (on)	Specifies whether to encrypt the optimized duplication data. By default, files are not encrypted. If you want encryption, change the value to 1. If you set this parameter to 1 on all hosts, the data is encrypted during transfer and on the storage.
OptDupTimeout	N/A	The value, expressed in minutes	Specifies the number of minutes before the optimized duplication times out. Indicated in minutes.
SegKSize	128	32 to 16384 KBs, increments of 32 only	The file segment size in kilobytes. The value must be a multiple of 32. Warning: Changing this value can reduce capacity and decrease performance. Change this value only when directed to do so by a Symantec representative.

Table L-1 Deduplication parameters and default values (*continued*)

Setting	Default value	Possible values	Action
WSRetryCount	3	Integer	<p>This parameter applies to the PureDisk Deduplication Option only. It does not affect NetBackup deduplication.</p> <p>The <code>WSRetryCount</code> parameter allows you to configure the amount of retries that will be attempted in case the Web service fails or times out.</p>
WSTimeout	120	Integer	<p>This parameter applies to the PureDisk Deduplication Option only. It does not affect NetBackup deduplication.</p> <p>The <code>WSTimeout</code> parameter allows you to increase or decrease the timeout value for Web service calls made from NetBackup media servers to PureDisk storage units.</p>

OPTIONS

Deduplication Defaults

Use this command to display the default values for the Deduplication parameters.

Deduplication Show

Use this command to display the current values for the Deduplication parameters.

Deduplication Tune BackupRestoreRange *Addresses*

Specifies the IP addresses or range of addresses of the local network interface card for backup and restore. The *Addresses* variable contains an IP addresses list or a range of addresses.

Deduplication Tune BandwidthLimit *Limit*

The maximum bandwidth that is allowed when backing up or restoring data between the media server and the deduplication pool. The *limit* variable contains the maximum bandwidth limit. The value for this variable is in KBytes/second.

Deduplication Tune Compression *Comp*

Whether you want compression. The *Compression* variable allows you to enable or disable compression. You enter either *Enable* or *Disable*.

Deduplication Tune DebugLogFile *File*

Use this command to designate the file to which NetBackup writes the log information. The *File* variable contains the log file path.

Deduplication Tune DontSegmentTypes Append *FileTypes*

Use this command to append new file types to the list of file types that NetBackup does not analyze or manage segments. The *FileTypes* variable lists the file types.

Deduplication Tune DontSegmentTypes Change *FileTypes*

Use this command to change the whole list of file types. The *FileTypes* variable lists the file types.

Deduplication Tune Encryption *Value*

Use this command to decide whether you want to encrypt the data. Use the *Value* variable to enable or disable encryption. The values that you can enter are, *Enable* or *Disable*.

Deduplication Tune LocalSettings *Override*

Whether to allow settings of the deduplication server to override the local settings. The *Override* variable determines whether to allow an override to occur. The values that you can enter in this field are, *AllowOverride* or *UseLocalSetting*.

Deduplication Tune LogLevel *Value*

The amount of information that is written to the log file. The *Value* variable sets the range from 0 to 10. A value of 10 provides the most logging.

Deduplication Tune MaxImgSize *Value*

Use this command to set the maximum backup image fragment size. The *Value* variable contains the maximum size of the backup image fragment in megabytes. You can enter a value between zero and 50000.

Deduplication Tune MaxLogSize *Value*

Use this command to set the maximum size of the log file. The *Value* variable contains the maximum size of the log file in megabytes. You can enter a value between zero and 50000.

Deduplication Tune OptDupBandwidth *Value*

The maximum bandwidth that is allowed for optimized duplication. The *Value* variable contains the maximum bandwidth in KBs/sec.

Deduplication Tune OptDupCompression *Value*

Whether to compress the optimized duplication data. The *Value* variable allows you to enable or disable compression. The values for this field are: Enable **or** Disable.

Deduplication Tune OptDupEncryption *Value*

Whether to encrypt the optimized duplication data. The *Value* variable allows you to enable or disable encryption. The values for this field are: Enable **or** Disable.

Deduplication Tune OptDupTimeout *Time*

The number of minutes before the optimized duplication times out. The *Time* variable is the number of minutes before the optimized duplication times out.

Deduplication Tune SegKSize *Size*

The file segment size. The *Size* variable is the file segment size in kilobytes. You must make this value a multiple of 32.

Deduplication Tune WSRetryCount *Count*

The amount of retries that will be attempted in case the web service fails or times out. The *Count* variable is the amount of retries that are attempted in case the web service fails or times out.

Deduplication Tune WSTimeout *Time*

The timeout value for web service calls made from NetBackup media servers to PureDisk storage units. The *Time* variable is the timeout value for web service calls made from NetBackup media servers to PureDisk storage units.

EXAMPLES

The `Defaults` command shows the values of each of the Deduplication parameters:

Deduplication> Defaults

BACKUPRESTORERANGE	: N/A
BANDWIDTH_LIMIT	: 0
COMPRESSION	: 1
DEBUGLOG	: /var/log/puredisk/pdplu
DONT_SEGMENT_TYPES	: N/A
ENCRYPTION	: 0
LOCAL_SETTINGS	: 0
LOGLEVEL	: 0
MAX_IMG_MBSIZE	: 50000
MAX_LOG_MBSIZE	: 500
OPTDUP_BANDWIDTH	: 0
OPTDUP_COMPRESSION	: 1
OPTDUP_ENCRYPTION	: 0
OPTDUP_TIMEOUT	: N/A
SEGKSIZE	: 128
WS_RETRYCOUNT	: 3
WS_TIMEOUT	: 120

Email

Email – Use to configure Email support for the appliance.

SYNOPSIS

```
Email Hardware Add eaddr
Email Hardware Delete eaddr
Email Hardware Notification_Interval Modify time
Email Hardware Show
Email SMTP Add smtp [acct] [pass]
Email SMTP Delete
Email SMTP Show
Email Software Add eaddr
Email Software Delete eaddr
Email Software Show
```

DESCRIPTION

Use this command to add, replace, or show the Email address that NetBackup uses. You can use this command to define one or more Emails.

OPTIONS

```
Email Hardware Add eaddr
```

Use to add or append a hardware administrator's Email account for NetBackup to use.

Where *eaddr* is the user's Email address. To define multiple Emails, separate them with a semi-colon.

```
Email Hardware Delete eaddr
```

Use to delete a hardware administrator's Email account for NetBackup to use.

Where *eaddr* is the user's Email address. To define multiple Emails, separate them with a semi-colon.

```
Email Hardware Notification_Interval Modify time
```

Enables you to define the time span between the alert emails that are sent to the hardware administrator.

Where *time* is the time between the alert emails that are sent to the administrator. This variable is defined in minutes.

Email Hardware Show

Use this command to show the currently configured Email address of the hardware administrator and the notification time interval.

Email SMTP Add *smtp* [*acct*] [*pass*]

This command enables you to add an SMTP server that NetBackup can use.

The *smtp* variable is the hostname of the target SMTP server. The *acct* option identifies the name of the account that was used or the authentication to the SMTP server. The *pass* option is the password for authentication to the SMTP server.

Email SMTP Delete

Use to delete the SMTP server that NetBackup uses.

Email SMTP Enable

Use to enable the SMTP server that NetBackup uses.

Email SMTP Show

Use to display the SMTP settings.

Email Software Add *eaddr*

Use to add or append a software administrator's Email account for NetBackup to use.

Where *eaddr* is the user's Email address. To define multiple Emails, separate them with a semi-colon.

Email Software Delete *eaddr*

Use to delete a software administrator's Email account for NetBackup to use.

Where *eaddr* is the user's Email address. To define multiple Emails, separate them with a semi-colon.

Email Software Show

Use to display the software administrator's settings.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

FibreTransport

FibreTransport – Administer Fibre Transport for this appliance.

SYNOPSIS

```
FibreTransport NBUAppliances Disable
FibreTransport NBUAppliances Enable
FibreTransport NBUAppliances Show
FibreTransport SANClient Disable
FibreTransport SANClient Enable
FibreTransport SANClient Show
```

DESCRIPTION

Use this command to administer Fibre Transport for SAN client backups and restores and for duplication to another appliance.

OPTIONS

```
FibreTransport NBUAppliances Disable
```

Disables Fibre Transport for duplication to another appliance. By default, Fibre Transport to another appliance is disabled.

This option restarts the deduplication storage daemons. Therefore, any active backup, restore, or duplication jobs fail.

```
FibreTransport NBUAppliances Enable
```

Enables Fibre Transport for duplication to another appliance.

This option restarts the deduplication storage daemons. Therefore, any active backup, restore, or duplication jobs fail.

```
FibreTransport NBUAppliances Show
```

Displays the status of the Fibre Transport services to another appliance.

```
FibreTransport SANClient Disable
```

Disables Fibre Transport for SAN client backups and restores to this appliance. By default, Fibre Transport for backups and restores is disabled.

This option restarts the NetBackup SAN client daemons. Therefore, any active backup, restore, or duplication jobs fail.

```
FibreTransport SANClient Enable
```

Enables Fibre Transport for SAN client backups and restores to this appliance.

This option restarts the NetBackup SAN client daemons. Therefore, any active backup, restore, or duplication jobs fail.

`FibreTransport SANClient Show`

Displays the status of the Fibre Transport server for SAN client backups and restores.

See [“About the Manage view commands”](#) on page 17.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

LifeCycle

LifeCycle - Use to change the backup image life cycle parameter settings.

SYNOPSIS

```
LifeCycle Defaults
LifeCycle Show
LifeCycle Tune CleanupInterval Interval
LifeCycle Tune DupGroupCriteria Criteria
LifeCycle Tune DupSessionInterval Interval
LifeCycle Tune ImageExtendedRetryPeriod Interval
LifeCycle Tune ImportExtRetrySessionTimer Interval
LifeCycle Tune ImportSessionTimer Interval
LifeCycle Tune MaxMinutesTilForceSmallDupJob Time
LifeCycle Tune MaxSizePerDupJob Size
LifeCycle Tune MinSizePerDupJob Size
LifeCycle Tune ReplicaMetaDataCleanupTimer Time
LifeCycle Tune TapeResourceMultiplier Value
LifeCycle Tune VersionCleanupDelay Time
```

DESCRIPTION

You can use the `LifeCycle` command with the `Default` and `Show` options to display the default values for each of the `LifeCycle` parameters and the current parameter values, respectively. You can use the `LifeCycle Tune` command to adjust the following parameters:

- `CLEANUP_SESSION_INTERVAL_HOURS` - How often the deleted life cycle policies should be cleaned up.
- `DUPLICATION_GROUP_CRITERIA` - Define how batches are created.
- `DUPLICATION_SESSION_INTERVAL_MUNUTES` - How frequently the Duplication Manager starts a duplication session.
- `IMAGE_EXTENDED_RETRY_PERIOD_IN_HOURS` - How long NetBackup waits before an image copy is added to the next duplication job.
- `IMPORT_EXTENDED_RETRY_SESSION_TIMER` - To adjust the extended retry interval.
- `IMPORT_SESSION_TIMER` - to define how many minutes to wait between import sessions.

- `MAX_MINUTES_TIL_FORCE_SMALL_DUPLICATION_JOB` - To define how old any image in a group can become before the batch is submitted as a duplication job.
- `MAX_GB_SIZE_PER_DUPLICATION_JOB` - Determine how large the batch of images is allowed to grow.
- `MIN_GB_SIZE_PER_DUPLICATION_JOB` - Define the size that the batch of images should reach before one duplication job is run for the entire batch.
- `REPLICA_METADATA_CLEANUP_TIMER` - Set the number of days after which the Import Manager stops trying to import the image.
- `TAPE_RESOURCE_MULTIPLIER` - Set the multiplier for the number of concurrently active duplication jobs that can access a single storage unit.
- `VERSION_CLEANUP_DELAY_HOURS` - Determine how much time must pass since an inactive version was the active version.

OPTIONS

`LifeCycle Defaults`

Use this command to show the default values of each of the parameters.

`LifeCycle Show`

Use this command to show the current values of each of the parameters.

`LifeCycle Tune CleanupInterval Interval`

How often the deleted life cycle policies should be cleaned up. The *Interval* variable is defined in hours.

`LifeCycle Tune DupGroupCriteria Criteria`

Use this command to define how batches are created. Batches are created based on the life cycle policy name or the duplication job priority. You enter either `PolicyName` or `JobPriority`.

`LifeCycle Tune DupSessionInterval Interval`

How frequently the Duplication Manager starts a duplication session. The *Interval* variable is defined in minutes. You can enter a value from 1 to 2147483647.

`LifeCycle Tune ImageExtendedRetryPeriod Interval`

How long NetBackup waits before an image copy is added to the next duplication job. The *Interval* variable is defined in hours. You can enter a value from 1 to 2147483647.

LifeCycle Tune ImportExtRetrySessionTimer *Interval*

Use this command to adjust the extended retry interval. The *Interval* variable is defined in minutes. You can enter a value from 1 to 2147483647.

LifeCycle Tune ImportSessionTimer *Interval*

Use this command to define how many minutes to wait between import sessions. The *Interval* variable is defined in minutes. You can enter a value from 1 to 2147483647.

LifeCycle Tune MaxMinutesTilForceSmallDupJob *Time*

Use this command to define how old any image in a group can become before the batch is submitted as a duplication job. The *Time* variable is defined in minutes. You can enter a value from 1 to 2147483647.

LifeCycle Tune MaxSizePerDupJob *Size*

Use to determine how large the batch of images is allowed to grow. The *Size* variable is measured in gigabytes (GB). You can enter a value from 1 to 2147483647.

LifeCycle Tune MinSizePerDupJob *Size*

Use this command to define the size that the batch of images should reach before one duplication job is run for the entire batch. The *Size* variable is measured in gigabytes (GB). You can enter a value from 1 to 2147483647.

LifeCycle Tune ReplicaMetaDataCleanupTimer *Time*

Use this command to set the number of days after which the Import Manager stops trying to import the image. The *Time* variable is defined in the number of days. You turn this parameter off if you enter a value of zero.

LifeCycle Tune TapeResourceMultiplier *Value*

Use this command to set the multiplier for the number of concurrently active duplication jobs that can access a single storage unit. The *Value* variable contains the multiplier value that is between 1 to 2147483647.

LifeCycle Tune VersionCleanupDelay *Time*

Use this command to determine how much time must pass since an inactive version was the active version. The *Time* variable is defined in hours. You can enter a value from 1 to 2147483647.

Examples

The `Defaults` command shows the values of each of the LifeCycle parameters:

```
LifeCycle> Defaults
CLEANUP_SESSION_INTERVAL_HOURS      : 24
DUPLICATION_GROUP_CRITERIA          : 1
```

```
DUPLICATION_SESSION_INTERVAL_MUNUTES      : 5
IMAGE_EXTENDED_RETRY_PERIOD_IN_HOURS       : 2
IMPORT_EXTENDED_RETRY_SESSION_TIMER        : 360
IMPORT_SESSION_TIMER                       : 5
MAX_GB_SIZE_PER_DUPLICATION_JOB           : 25
MAX_MINUTES_TIL_FORCE_SMALL_DUPLICATION_JOB : 30
MIN_GB_SIZE_PER_DUPLICATION_JOB           : 7
REPLICA_METADATA_CLEANUP_TIMER            : 0
TAPE_RESOURCE_MULTIPLIER                   : 2
VERSION_CLEANUP_DELAY_HOURS                : 336
```

LiveUpdateServer

`LiveUpdateServer` – Use to configure the LiveUpdate server.

SYNOPSIS

```
LiveUpdateServer Set Name  
LiveUpdateServer Show
```

DESCRIPTION

To can use this command to define and show the LiveUpdate server.

OPTIONS

```
LiveUpdateServer Set Name
```

Use this command to configure the LiveUpdate Web server. The *Name* variable contains the name of the Web server that contains the LiveUpdate files.

```
LiveUpdateServer Show
```

Use this command to show the LiveUpdate server name.

NetBackup

`NetBackup` – Use to configure and adjust NetBackup settings.

SYNOPSIS

```
NetBackup DataBuffers Number Defaults
NetBackup DataBuffers Number Disk Count
NetBackup DataBuffers Number FT Count
NetBackup DataBuffers Number Show
NetBackup DataBuffers Number Tape Count
NetBackup DataBuffers Size Defaults
NetBackup DataBuffers Size Disk Count
NetBackup DataBuffers Size FT Count
NetBackup DataBuffers Size Show
NetBackup DataBuffers Size Tape Count
NetBackup Misc Defaults
NetBackup Misc Show
NetBackup Misc Tune DeferredImgLimit Size
NetBackup Misc Tune DpsProxyDefaultRecvTmo Time
```

Description

You can use this command to adjust various NetBackup settings. With this command, you can do the following:

- Show the number of NetBackup data buffers. You can also display the default numbers of the NetBackup data buffers.
- Adjust the number of NetBackup data buffers for the following:
 - Disk
 - Fibre Transport
 - Tape
- Show the current values or the default values for the following:
 - Deferred image limit, `DEFERRED_IMAGE_LIMIT`. The default value is 64.
 - The Data Protection Server (DPS), proxy timeout, `DpsProxyDefaultRecvTmo`. The default value is 800.
- Change the number of images that you want to defer.
- Change the proxy default received timeout.

Options

`NetBackup DataBuffers Number Defaults`

`NetBackup DataBuffers Number Disk Count`

Tune the number of NetBackup data buffers for a disk. The parameter name is `NUMBER_DATA_BUFFERS_DISK` and the default value is 30. The `Count` variable contains the number of data buffers.

`NetBackup DataBuffers Number FT Count`

Tune the number of NetBackup data buffers for Fibre Transport. The parameter name is `NUMBER_DATA_BUFFERS_FT` and the default value is 16. The `Count` variable contains the number of data buffers.

`NetBackup DataBuffers Number Show`

Use this command to show the number of data buffers.

`NetBackup DataBuffers Number Tape Count`

Tune the number of NetBackup data buffers for Tape. The parameter name is `NUMBER_DATA_BUFFERS` and the default value is 30. The `Count` variable contains the number of data buffers.

`NetBackup DataBuffers Size Defaults`

Use this command to show the NetBackup default data buffer sizes.

`NetBackup DataBuffers Size Disk Count`

Use this command to tune the NetBackup data buffer size for disk. The `Count` variable contains the number of data buffers.

`NetBackup DataBuffers Size FT Count`

Use this command to tune the NetBackup data buffer size for tape. The `Count` variable contains the number of data buffers.

`NetBackup DataBuffers Size Show`

Use this command to show the NetBackup data buffer sizes for disk and tape.

`NetBackup DataBuffers Size Tape Count`

Use this command to tune the NetBackup data buffer size for tape. The `Count` variable contains the number of data buffers.

`NetBackup Misc Defaults`

Use this command to show default value for miscellaneous NetBackup settings.

`NetBackup Misc Show`

Use this command to show all of the values for miscellaneous NetBackup settings.

`NetBackup Misc Tune DeferredImgLimit Size`

Use this command to adjust the limit by which you want to defer an iamage. The default value is 64.

`NetBackup Misc Tune DpsProxyDefaultRecvTmo Time`

Use this command to adjust the timeout value for the DPS proxy default. The *Time* variable contains the timeout value. The default value is 800.

Password

`Password` – Change the user password.

SYNOPSIS

```
Password user_name pass_word confirmed_password [old_password]
```

DESCRIPTION

Use this command to change the user password.

New passwords can be seven or eight characters in length. Seven character passwords must include all of the following requirements, while eight character passwords must include at least three:

one uppercase letter, one lowercase letter, one number (0-9), one special character.

Note: Passwords that begin with an uppercase letter or that end with a number are acceptable, however they are not considered to meet the minimum requirement for those characters.

OPTIONS

```
Password user_name pass_word confirmed_password [old_password]
```

Use this command to change the user name and password on your appliance.

user_name is the user name. *pass_word* is the new password. And *confirmed_password* is the new password typed for a second time and is used to confirm the new password. The `old_password` option contains the previous password that existed before you elected to change a password.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

SNMP

SNMP – Add SNMP information on your media server that enables the media server to send SNMP notifications for hardware monitoring.

SYNOPSIS

```
SNMP Add snmp_server [snmp_community] [snmp_port]  
SNMP Enable  
SNMP Disable  
SNMP Show  
SNMP ShowMIB
```

DESCRIPTION

The NetBackup appliance uses the SNMPv2-SMI application protocol to monitor appliance hardware. Use this command to add or change SNMP parameters on the server. You can use the following commands display the current parameters and the changes that were made to the SNMP information. You use this command to enable and disable SNMP notifications for hardware monitoring.

When you create and enable an SNMP community you enable hardware monitoring to occur on the appliance through the SNMP protocol. Notifications or traps are programmed to occur on the appliance hardware. In addition, you can use this command to see the notification traps that have been configured for the appliance. The following list is an example of the types of hardware notifications that are monitored through SNMP for the appliance:

- CPU
- Disk
- Fan
- FibreChannel
- Power Supply
- RAID
- Temperature

OPTIONS

```
SNMP Add snmp_server [snmp_community] [snmp_port]
```

To add or change SNMP information on the server. The *snmp_community* and *snmp_port* variables are optional.

The *snmp_server* defines the SNMP server. You can enter a host name or an IP address to define this computer.

The *snmp_community* variable can contain a value that you configured on your SNMP server. For example, you can enter a company name or a name like, *admin_group*, *public*, or *private*. If you do not enter anything for this variable, then the default value is *public*.

The *snmp_port* port can be any port that you configure. If nothing is entered for this variable, then the default port is 162.

SNMP Enable

This command enables the ability to send SNMP notifications (traps) for hardware monitoring.

SNMP Disable

This command disables the ability to send SNMP notifications (traps) for hardware monitoring.

SNMP Show

This command displays the parameters that are set after you have run an *SNMP add snmp_server* command. If you run this command before you have run a *SNMP add snmp_server* command, then default values for *snmp_community* and *snmp_port* are displayed and no value is displayed for *snmp_server*.

SNMP ShowMIB

Use this command to display the contents of the Management Information Base (MIB) file. This file contains the notification traps that are configured to monitor the appliance hardware.

EXAMPLES

You can use either of the following methods to configure a public SNMP community on port 162. The first example shows the *snmp_community* and *snmp_port* variables being used. The second example does not contain values for the *snmp_community* and *snmp_port* variables.

```
Menu> Admin> SNMP Add vxsswin2003x86.engba.symantec.com public 162
```

```
Menu> Admin> SNMP Add vxsswin2003x86.engba.symantec.com
```

When you run the *SNMP ShowMonitorMIB* command, an output similar to the following appears.

```
-- Symantec Corporation: 1.3.6.1.4.1.393  
-- -- 393 - symantecsoftware
```

```
--      .3 - products
--      .9 - applianceMib
--      .1 - systems
--      .2 - software

SYMANTEC-APPLIANCE-MONITORING-MIB DEFINITIONS ::= BEGIN

IMPORTS
    enterprises, OBJECT-TYPE, NOTIFICATION-TYPE, MODULE-IDENTITY
    FROM SNMPv2-SMI;

symantecsoftware      OBJECT IDENTIFIER ::= { enterprises 393 }
products              OBJECT IDENTIFIER ::= { symantecsoftware 3 }

applianceMonitoringMib MODULE-IDENTITY
    LAST-UPDATED "12272010"
    ORGANIZATION "Symantec Corportion"
    CONTACT-INFO "350 Ellis Street
                  Mountain View, CA 94043 US
                  Subject: appliance.mib"
    DESCRIPTION "The MIB module for Symantec Appliance Monitoring MIB"

    ::= { products 9 }

systems              OBJECT IDENTIFIER ::= { applianceMonitoringMib 1 }
software             OBJECT IDENTIFIER ::= { applianceMonitoringMib 2 }

-- systems Traps

systemName OBJECT-TYPE
    SYNTAX DisplayString (SIZE(0..80))
    ACCESS read-only
    STATUS optional
    DESCRIPTION "System Name"
    ::= { systems 1 }

systemLocation OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..80))
    ACCESS read-only
```

```
STATUS optional
DESCRIPTION "System Location"
::= { systems 2 }

fanTrap OBJECT-TYPE
SYNTAX DisplayString (SIZE(0..80))
ACCESS read-only
STATUS optional
DESCRIPTION "Traps fan failures"
::= { systems 3 }

powerTrap OBJECT-TYPE
SYNTAX DisplayString (SIZE(0..80))
ACCESS read-only
STATUS optional
DESCRIPTION "Traps power failures"
::= { systems 4 }

fibrechannelTrap OBJECT-TYPE
SYNTAX DisplayString (SIZE(0..80))
ACCESS read-only
STATUS optional
DESCRIPTION "Traps FibreChannel failures"
::= { systems 5 }

temperatureTrap OBJECT-TYPE
SYNTAX DisplayString (SIZE(0..80))
ACCESS read-only
STATUS optional
DESCRIPTION "Traps temperature failures"
::= { systems 6 }

cpuTrap OBJECT-TYPE
SYNTAX DisplayString (SIZE(0..80))
ACCESS read-only
STATUS optional
DESCRIPTION "Traps cpu failures"
::= { systems 7 }

diskTrap OBJECT-TYPE
SYNTAX DisplayString (SIZE(0..80))
ACCESS read-only
STATUS optional
```

```
DESCRIPTION "Traps disk failures"
::= { systems 8 }

raidTrap OBJECT-TYPE
    SYNTAX DisplayString (SIZE(0..80))
    ACCESS read-only
    STATUS optional
    DESCRIPTION "Traps raid failures"
    ::= { systems 9 }

-- software traps

failedJobsTrap OBJECT-TYPE
    SYNTAX DisplayString (SIZE(0..80))
    ACCESS read-only
    STATUS optional
    DESCRIPTION "Job failures Trap"
    ::= { software 1 }

processTrap OBJECT-TYPE
    SYNTAX DisplayString (SIZE(0..80))
    ACCESS read-only
    STATUS optional
    DESCRIPTION "Processes stopped traps"
    ::= { software 2 }

END
```

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Main > Support view commands

This appendix includes the following topics:

- [Disk](#)
- [Errors](#)
- [FactoryReset](#)
- [Logs](#)
- [Maintenance](#)
- [Messages](#)
- [NBDNA](#)
- [NBSU](#)
- [Processes](#)
- [Reboot](#)
- [Shutdown](#)
- [Test](#)

Disk

Disk – Gather disk information

SYNOPSIS

Disk info

DESCRIPTION

This command exists under the `Main_Menu > Support view`. Use this command to gather and display information about the local disk layout and usage.

OPTIONS

Disk info

Use to gather disk information and display the disk layout and usage information.

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Errors

`Errors` - Display the last day's NetBackup logs

SYNOPSIS

`Errors hoursago`

DESCRIPTION

This command exists under the `Main_Menu > Support view`. The `Errors` command displays all the recorded problem entries in the NetBackup logs for the previous day. You can designate the number of hours that you want to go back and display.

OPTIONS

`Errors`

Displays the previous day's NetBackup logs.

hoursago

Specifies the number of hours in the past from the current time. *hoursago* is an integer. The default is 24 hours before the current time.

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

FactoryReset

`FactoryReset` – Reset the appliance to factory default settings.

SYNOPSIS

`FactoryReset`

DESCRIPTION

This command exists under the `Main_Menu > Support` view. You can use this command to reset the appliance to the factory default settings.

OPTIONS

`FactoryReset`

Use this command to reset the appliance to the factory default settings.

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Logs

`Logs` – Share, unshare logs files for the NetBackup appliance. Show and set debug levels for the logs.

SYNOPSIS

```
Logs Browse
Logs GetLevel
Logs SetLevel Option Level
Logs Share
Logs Unshare
Logs VXLogView JobID job_id
Logs VXLogView Minutes minutes_ago
Logs Upload JobID jobid case_num
Logs Upload Time start end case_num
```

DESCRIPTION

This command exists under the `Main_Menu > Support view`. You can use this command to do the following functions:

- Browse the NetBackup appliance log directories and files.
You can use the `Browse` command to view the log directories and log files that are configured in your appliance. When you run the `Logs Browse` command the command prompt changes to `LOGROOT/>`. From the `LOGROOT/` command prompt you can run the following commands to list, view, and change directories:
 - `ls` - List the directories and files
 - `tree` - Provides a tree-view of the directories and files.
 - `cd DIR` - Use to change the directory, where `DIR` is the directory name. For example, you can use `cd .`, `cd ..`, and `cd -`.
 - `less FILE` - Provides a read-only view of a file. You must enter the letter `q` or `quit` to exit this view.
 - `exit|quit` - Enables you to exit the log shell.
 - `help|?` - Use either of these two commands to display help.
- From the `LOGROOT/>` command prompt, you can use the `ls` command to see the following log directories on your appliance:
 - APPLIANCE

- GUI
- NBU
- OS
- PD
- VxVM
- WEBSERVER

To see the log files from within a log directory, you must change directories to the log directory that contains the log files that you want to view. After you change directories, the same commands that were available under the `LOGROOT/` view are available for each of the log directories.

For example, to see the operating system (OS) log files, you must first enter `cd OS` at the `LOGROOT/>` command prompt. The command prompt changes to `LOGROOT/OS>`. Then you can enter `ls` to see the file names. Finally, you can use the `less filename` command to view a read-only version of the log file.

- **Set the level of debug logs**

You can use the `Logs SetLevel` command to set the NetBackup log level for an appliance component that you choose. The range begins with zero and can differ for each component. A value of zero means that logging is at its lowest level.

In addition, you can use the `Logs GetLevel` command to get the NetBackup log level.

- **Export or remove CIFS and NFS shares for the logs.**

The `Log Share` command is used to export the CIFS and the NFS shares for the logs. The `Log Unshare` command removes the CIFS and the NFS shares for the logs.

- **Display debug information from the VXlog files.**

You can use the `Logs VXLogView` command to display log files for specific job or by a set duration of time.

- **Upload the NetBackup log files for your appliance to Support. The files that you send can be based on the job ID, the time that the log files were taken, or the default-based duration.**

If an issue occurs and you decide you need additional support, you should call Symantec Technical Support and open a customer case. The customer support contact assigns a unique customer case number that identifies you, your company information, and your issue. To further help you diagnose the issue, the customer support contact needs to obtain a copy of your NetBackup appliance log files. You can use the `Logs Upload` command to send all of the log files that are associated with your appliance to Support.

The following procedure describes the process that you use to send the log files from your appliance to NetBackup Technical support.

To configure your appliance to upload log files using the Logs Upload command

- 1 Make sure that you have a customer case number assigned to your issue. If you do not have a case number, contact NetBackup Technical Support and have a customer case opened and a unique customer case number assigned to your issue. The customer case number is used to create the name of the file that you send so the Support. That helps the technical support contact identify the file that you sent.
- 2 Log on to your NetBackup appliance as the administrator.
- 3 From the shell menu command prompt, enter **Support**. That takes you into the **Support** view.
- 4 Enter one of the following commands to create a log set for technical support. Depending on the nature of your issue, technical support may ask you to use one of the following command to create the log set. Each of these commands creates a `.tar` file that is based on the job ID, a specific start and end time, or a default duration of four hours.
 - Type `Logs Upload Jobid jobid case_num`.
This command creates a `.tar` file that contains log files that are based on the job ID.
 - Type `Logs Upload Time start End case_num`.
This command creates a `.tar` file that contains log files that are based on the default duration of four hours
Where `case_num` is the customer case number that was issued to you by your NetBackup Support contact. This number becomes a part of the `.tar` file name so your Technical Support contact can identify the files that came from your appliance.
Where `jobid` is the job ID number that is used to collect the logs.
Where `start` and `End` are the start date and the end date of the logs to collect.

OPTIONS

`Logs Browse`

Use the show the appliance logs.

`Logs GetLevel`

Use to view the NetBackup log levels

Logs SetLevel *Option Level*

Use to set the NetBackup log levels. Where *Option* is the appliance component. For example, an appliance component can be NetBackup or PureDisk. In addition, *Level* is the appliance logging level. For NetBackup, you can select a level from 0 to 5 and for PureDisk, you can select a level from 0 to 10. Zero provides the lowest level of logging that is available.

Logs Share

Use to extract the CIFS and the NFS shares for the logs.

Logs Unshare

Use to remove the CIFS and the NFS shares for the logs.

Logs VXLogView JobID *job_id*

Display debug information from the log files by designating a specific job ID as the criteria by which the information is parsed.

Where *job_id* is the NetBackup job that you determine you want to view from the debug information.

Logs VXLogView Minutes *minutes_ago*

Display debug information from the log files using time (in minutes) as the criteria by which the information is parsed.

Where *minutes_ago* is the amount of time, in minutes, used to determine how much of the past debug information to display.

Logs Upload JobID *jobid case_num*

Upload log files for the NetBackup appliance to Support. This command creates a .tar file of the logs using the job ID. Use FTP to upload the file to Support.

Where *jobid* contains the job ID number that is used to collect the logs. The *case_num* variable is a unique number filed with Support that identifies the customer and their corresponding log files. The format of this number is ###-###-###

Logs Upload Time *start end case_num*

Upload the logs based on the default duration. The default durations is four hours. This command creates a .tar file of the logs using the time. Use FTP to upload the file to Support.

Where *start* is the start date of the log files to send to Support. *end* is the end date of the log files to send to Support. And *case_num* is a unique number filed with Support that identifies the customer and their corresponding log files. The format of this number is ###-###-###

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Maintenance

`Maintenance` - Enables the user to open an interactive shell menu.

SYNOPSIS

`Maintenance`

DESCRIPTION

Your appliance is pre-configured with a **Maintenance** user account. When you log into this account, you open an interactive shell menu that you can use to troubleshoot or manage underlying operating system tasks.

This command exists under the `Main_Menu > Support` view. The default password is, `P@ssw0rd`. Symantec recommends that you change this password at your earliest convenience. Use the following command to reset the password.

```
Main > Admin > Password user_name
```

In this case, the user name is `maintenance`.

If you require customer support to resolve an issue, you may be required to provide this password to your support representative.

OPTIONS

`Maintenance`

Used to enter an interactive shell menu that you can use to troubleshoot or manage underlying operating system tasks.

EXAMPLES

To enter your Maintenance account, run the following command, and provide the password when you receive a prompt.

```
NBAppl.Support> Maintenance
<!--Maintenance Mode--!>
maintenance's password:
```

Run the following command to change your Maintenance password, from the default password to a new password.

```
NBAppl.Admin> Password maintenance
Changing password for user "maintenance"
```

```
Old Password      : P@ssw0rd  
Password         : newpassword  
Confirm password : newpassword
```

all authentication tokens updated successfully.

See [“About the Support view commands”](#) on page 25.

See [“About NetBackup appliance commands”](#) on page 11.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Messages

`Messages` – Display the message file.

SYNOPSIS

`Messages` *lines*

DESCRIPTION

This command exists under the `Main_Menu > Support view`. Use this command to display the messages file. With this command, you can designate the number of lines that you want to display from that file. If you do not define the number of lines the entire messages file is displayed.

OPTIONS

`Messages`

Display the message file.

lines

The number of lines to be displayed.

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See [“About NetBackup appliance shell menu usage”](#) on page 12.

NBDNA

NBDNA – Create and remove network traces with the NBDNA utility.

SYNOPSIS

NBDNA Create *phase*

NBDNA Remove

DESCRIPTION

This command exists under the `Main_Menu > Support view`. This command is used in conjunction NetBackup Domain Network Analyzer utility. The NetBackup Domain Network Analyzer (NBDNA) is a utility that analyzes the following information:

- The NetBackup domain and its configuration for network issues
- Performance
- Behavior in regards to hostname lookup and connectivity between NetBackup hosts and their role within the NetBackup domain

You can run NBDNA on a NetBackup a primary or a secondary appliance.

OPTIONS

NBDNA Create *phase*

Used to create and remove network traces with the NetBackup Domain Network Analyzer utility.

Where *phase* is used to specify which test phase to run, phase 0, phase 1, or phase 2.

Phase 0: Default mode. Name lookup test and socket connection test.

Phase 1: Includes Phase 0. Add basic NetBackup service test for the SERVER list.

Phase 2: Includes Phase 0. Add basic NetBackup service test for SERVER and CLIENT list.

NBDNA Remove

Use to remove all existing trace files that the NetBackup Domain Network Analyzer generates.

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See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

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NBSU

NBSU – Manage NetBackup support data files

SYNOPSIS

NBSU Create

NBSU Remove

DESCRIPTION

This command exists under the `Main_Menu > Support view`. The NetBackup Support Utility (NBSU) is a Symantec utility used to gather diagnostic information about the system on which the utility is run. By default, NBSU gathers appropriate diagnostic information based on the operating system and NetBackup environment.

You can use this command to create or remove the NetBackup configuration support files that the NBSU utility uses.

OPTIONS

NBSU Create

Use to create NetBackup configuration support files.

NBSU Remove

Use to remove any NetBackup configuration support files.

See [“About the Support view commands”](#) on page 25.

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Processes

`Processes` – Display and control the NetBackup and Administration console processes

SYNOPSIS

```
Processes AdminConsole Show
Processes AdminConsole Start
Processes AdminConsole Stop
Processes NetBackup Show
Processes NetBackup Start
Processes NetBackup Stop
```

DESCRIPTION

This command exists under the `Main_Menu > Support` view. You can use this command to monitor, start, and stop the NetBackup processes and the administration console processes.

OPTIONS

```
Processes AdminConsole Show
```

Shows the administration console processes that are currently active.

```
Processes AdminConsole Start
```

Used to start the administration console processes.

```
Processes AdminConsole Stop
```

Used to stop the administration console processes.

```
Processes NetBackup Show
```

Shows the NetBackup processes that are currently active.

```
Processes NetBackup Start
```

Used to start the NetBackup processes.

```
Processes NetBackup Stop
```

Used to stop the NetBackup processes.

See [“About the Support view commands”](#) on page 25.

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See [“About NetBackup appliance shell menu usage”](#) on page 12.

Reboot

Reboot – Reboot the system

SYNOPSIS

Reboot

DESCRIPTION

Use this command to reboot the current system. You cannot use this command to reboot another system remotely.

OPTIONS

Reboot

Use to reboot the system.

See [“About NetBackup appliance commands”](#) on page 11.

See [“Logging into the NetBackup 52xx shell menu”](#) on page 12.

See [“About NetBackup appliance shell menu usage”](#) on page 12.

Shutdown

Shutdown – Turn off the system

SYNOPSIS

Shutdown

DESCRIPTION

Use this command to turn off the power on the current system.

OPTIONS

Shutdown

Use to turn off the power on the current system.

See [“About NetBackup appliance commands”](#) on page 11.

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See [“About NetBackup appliance shell menu usage”](#) on page 12.

Test

`Test` - Test the current status of the various appliance components.

SYNOPSIS

`Test Software`

DESCRIPTION

Use this command to test the current status of the various appliance software components.

OPTIONS

`Test Software`

Use this command to test the current status of the various appliance software components.