

Veritas Access Appliance Command Reference Guide

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Veritas Access Appliance Command Reference Guide

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Documentation

Make sure that you have the current version of the documentation. Each document displays the date of the last update on page 2. The latest documentation is available on the Veritas website:

https://www.veritas.com/content/support/en_US/dpp.Appliances.html

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Veritas Services and Operations Readiness Tools (SORT)

Veritas Services and Operations Readiness Tools (SORT) is a website that provides information and tools to automate and simplify certain time-consuming administrative tasks. Depending on the product, SORT helps you prepare for installations and upgrades, identify risks in your datacenters, and improve operational efficiency. To see what services and tools SORT provides for your product, see the data sheet:

https://sort.veritas.com/data/support/SORT_Data_Sheet.pdf

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Overview

This chapter includes the following topics:

- [Scope of the Veritas Access Command Reference Guide](#)
- [Where to find the documentation](#)
- [Using the Access Appliance shell menu](#)

Scope of the Veritas Access Command Reference Guide

This document describes the commands that are used in the Access Appliance shell menu. These commands are used in the following scenarios:

- Access Appliance node-level management. For example, the `Network > Date` command for setting the date and time, and the `Monitor > Hardware` command for monitoring the node hardware.

For cluster-level management commands that are used in the Access CLI, refer to the *Veritas Access Command Reference Guide*.

See [“Where to find the documentation”](#) on page 7.

Where to find the documentation

The latest version of the Veritas Access Appliance documentation is available on the Veritas Support website and the Veritas Services and Operations Readiness Tools (SORT) website.

https://www.veritas.com/content/support/en_US/Appliances.html

<https://sort.veritas.com/documents>

You need to specify the product and the platform and apply other filters for finding the appropriate document.

The following guides are available for the Access Appliance:

- *Veritas Access Appliance Initial Configuration Guide*
- *Veritas Access Appliance Command Reference Guide*
- *Veritas Access 3340 Appliance Product Description*
- *Veritas Access 3340 Appliance Hardware Installation Guide*
- *Veritas Access Appliance Safety and Maintenance Guide*
- *Veritas Access Appliance Third-Party Legal Notices Guide*
- *Veritas Access Appliance Upgrade Guide*

Veritas Access documentation set

The corresponding version of the Access application documentation is available on the same page of the Veritas Services and Operations Readiness Tools (SORT) website.

The following guides are available for the Access application:

- *Veritas Access Administrator's Guide*
- *Veritas Access Command Reference Guide*
- *Veritas Access Release Notes*
- *Veritas Access RESTful API Guide*
- *Veritas Access Solutions Guide for Enterprise Vault*
- *Veritas Access Solutions Guide for NetBackup*
- *Veritas Access Troubleshooting Guide*

Using the Access Appliance shell menu

The Access Appliance shell menu provides a menu-based interactive shell interface through which an administrator can manage the Veritas Access Appliance. The interface is made up of hierarchical views that contain the administrative commands and options. When you log onto the Access Appliance shell menu, the `Main_Menu` view is displayed.

To navigate to sub-views or execute available commands, type the name of the option you want from the list of available options. For example, from the `Main_Menu` view, type **Manage** and press Enter to go to the `Manage` view.

Helpful tips

The following list contains some helpful tips for using the Access Appliance shell menu:

- Press Tab or Enter to auto-complete a command.
- Press the spacebar key to display the next parameter that needs to be entered.
- Type a question mark (?) to show more information about the commands or sub-views that are available in the current view. If you type ? after you enter a command or option, more information about that command is shown, such as the format and usage of the command parameters.
- When you press the Enter key, the next mandatory parameter that needs to be entered is displayed. A mandatory parameter is one that does not have predefined values.

Command parameters that are in angular brackets (< >) are mandatory; whereas the command parameters that are in square brackets ([]) are optional.

For example, from the `Main_Menu > Settings > Alerts` view, the following command has one mandatory parameter and two optional parameters:

```
Email SMTP Add <Server> [Account] [Password]
```

Where <Server> is the mandatory SMTP server address, and [Account] and [Password] are the optional account credentials if the SMTP server requires them.

- In the Veritas Access Appliance shell menu, use the command `Return` to go back to the previous menu, and use the command `Exit` to logout and exit from the current shell. In the Veritas Access command-line interface, use the command `Exit` to go back to the previous menu, and use the command `Logout` to logout and exit from the current shell.

Main > Appliance

This appendix includes the following topics:

- [Appliance > Status](#)

Appliance > Status

`Appliance > Status` – Show status information about the appliance node.

SYNOPSIS

`Status`

DESCRIPTION

Use this command to show status information about the appliance and the current node.

- Appliance model
- Access software version
- Appliance software version
- Appliance node status
- Access cluster name
- Access management console virtual IP address

OPTIONS

`Status`

Show the status information about the node, such as appliance model, software release version, and the node status.

Main > Manage > Cluster

This appendix includes the following topics:

- [Cluster > Configure](#)

Cluster > Configure

Cluster > Configure – Configure the Access cluster on the appliance.

SYNOPSIS

Configure

DESCRIPTION

Use this command to configure the Access cluster on the appliance from the current node.

Note the following before you run the command:

- The Access cluster configuration is only allowed to run from one node. Make sure that the Access cluster configuration process is not already ongoing on the current node or other nodes.
- Make sure that you have the node management IP addresses of the appliance nodes for clustering.
- Make sure that you have sufficient physical and virtual IP addresses for the cluster configuration. The IP addresses need not be contiguous.
- Disk-based fencing is configured when you configure the cluster. You cannot change the configured fencing.

Do not run the `Configure` on the current node in the following scenarios:

- When the cluster configuration process is already running on another node of the Access appliance.
- When the node has been factory reset without resetting the storage, and the Access cluster remains on the other node.
- When the node is an unconfigured node that is used to replace a faulty node in an Access cluster.

OPTIONS

Configure

Use the command to configure the Access cluster on the appliance.

Main > Manage > Software

This appendix includes the following topics:

- [Manage > Software > Cancel](#)
- [Manage > Software > Delete](#)
- [Manage > Software > Download](#)
- [Manage > Software > DownloadProgress](#)
- [Manage > Software > Install](#)
- [Manage > Software > List](#)
- [Manage > Software > Readme](#)
- [Manage > Software > Rollback](#)
- [Manage > Software > Share](#)
- [Manage > Software > UpgradeStatus](#)

Manage > Software > Cancel

Manage > Software > Cancel – Cancel the download process of a software update or the software patch, which can be in any of these installation stages - Downloading, Stopped, or Postcheck.

SYNOPSIS

```
Cancel update_name
```

DESCRIPTION

Use this command to cancel a patch download in one of the following stages:

- Downloading - The software update is in the process of being downloaded.
- Stopped - The downloading process has stopped abruptly; therefore the download cannot be completed.
- Postcheck - During downloading, the software update splits into several files. Once the split files are downloaded, they need to be merged into the software update. The merging is termed as Postcheck.

OPTIONS

```
Cancel update_name
```

This command cancels downloading of patch. Here, *update_name* is the name of the software patch update.

Note: You cannot use the `Cancel` command if the software update has been downloaded completely and the download process is in Completed stage.

Manage > Software > Delete

Manage > Software > Delete – Delete a software update.

SYNOPSIS

Delete *update_name*

DESCRIPTION

You can use this command to delete a specific software release update, sometimes referred to as a patch. Use the `Main_Menu > Manage > Software > List Downloaded` command to obtain the list of software release updates that are downloaded.

OPTIONS

Delete *update_name*

Delete a specific release update. Here *update_name* is the specific name of the update that you want to delete.

Manage > Software > Download

Manage > Software > Download – Download a software update.

SYNOPSIS

`Download update_name`

DESCRIPTION

You can use this command to download a specific release update.

OPTIONS

`Download update_name`

Download a specific update, where *update_name* is the file name of the update that you want to download.

Manage > Software > DownloadProgress

Manage > Software > DownloadProgress – Show the progress of an online patch download.

SYNOPSIS

```
DownloadProgress
```

DESCRIPTION

Use this command to display the download progress of a software patch.

OPTIONS

```
DownloadProgress
```

Display the download progress of a software patch.

The progress bar displays the download progress. Press Ctrl+C to exit this command. Exiting the command does not stop the download process.

Manage > Software > Install

Manage > Software > Install – Use to install an EEB, an ADDON, or a software release update.

SYNOPSIS

```
Install update_name
```

DESCRIPTION

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

To use this command you must know the name of the software update, the EEB, or the ADDON that you want to install. To see a list of the software updates that are available for you to install, run `Software > List AvailablePatch` command. This command checks the Veritas site for the latest software updates. Once you find the software update that you want to install, you must run the `Software > Download update_name` command, where *update_name* is the name of the software update.

To see the list of the EEBs and ADDONs that are available for you to install, check the Veritas Download Center and download these manually. You can then run the `Software> Share Open` command on the appliance and copy the downloaded EEB or ADDON to the appliance.

After you have downloaded the software update, EEB, or ADDON you can now run the `Software > Install update_name` command.

OPTIONS

```
Install update_name
```

Install a software release update.

update_name is the name of the update that you want to install.

Manage > Software > List

Manage > Software > List – Lists the available patch information.

SYNOPSIS

```
List AvailablePatch
List Details All
List Downloaded
List Downloaded [update_name]
List InstalledADDONs
List InstalledEEBs
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 node.

OPTIONS

```
List AvailablePatch
    Use this command to check the Veritas site for any software updates that are
    available.

List Details All
    Use this command to view all the RPM packages installed on the appliance.

List Downloaded
    List downloaded software updates.

List InstalledADDONs
    List the detailed information of the software add-ons that are installed on the
    appliance node.

List InstalledEEBs
    Show the list of the Emergency Engineering Binaries (EEBs) that are installed
    on the appliance node.
```

List Version

Use this command to view the version of your appliance node.

Manage > Software > Readme

Manage > Software > Readme – Defines the Access Appliance patch process.

SYNOPSIS

Readme

DESCRIPTION

This command defines the patch process for the appliance node.

OPTIONS

Readme

This command defines the patch process for the appliance node.

EXAMPLES

This command contains the following patch information.

Patch Readme

=====

The following procedures explain how to copy a software release update on to the Access Appliance node and install the update.

To download software update directly from the Veritas Support website:

1. Use the 'List AvailablePatch' command to look for the latest release updates.
2. Use the 'Download' command to download the release update.
3. Use the 'List Downloaded' command to list all of the downloaded release updates. Note the name of the update to install.

To upload a software update from a local computer:

1. Log in as the user 'admin' to the appliance node.
2. Use the 'Share Open' command to open the NFS and CIFS shares so the appliance node can receive the release updates.
For NFS: (access-appliance:/inst/patch/appliance/available)
For CIFS: (\\access-appliance\incoming_patches)
3. On the local computer, perform the following steps:
 - a. Mount/Map the appropriate NFS/CIFS share.
For CIFS, you must map using the appliance 'admin' user's credentials.
 - b. Download the release update from the Veritas Support website.
 - c. Unzip the release update and review the README file in the zip.

- d. Upload the unzipped release update to the mounted share.
- e. Unmap/Unmount the mounted share.
4. Use the 'Share Close' command to close the NFS and CIFS shares.
5. Use the 'List Downloaded' command to list all of the downloaded release updates. Note the name of the update to install.

To install a release update on the Access Appliance node:

1. Make sure that you follow the correct upgrade process in the Access Appliance documentation before you install the patch to this node.
2. Use the 'Install' command to install the release update to the node. Use the name of the release update that you noted in the procedures above when you entered the 'List Downloaded' command.

For more detailed information about this process, refer to the Access Appliance documentation.

For more detailed information about this process, see the *Access Appliance documentation*.

Manage > Software > Rollback

Manage > Software > Rollback – Rollback a specific EEB or a software add-on.

SYNOPSIS

```
Rollback eeb_name
```

```
Rollback addon_name
```

DESCRIPTION

Use this command to rollback any Emergency Engineering Binaries (EEBs) or software add-ons that are installed on your appliance. You can use the `List InstalledADDONs` and `List InstalledEEBs` commands to view the software version and all installed EEBs and add-ons. You can then specify which EEB or add-on you want to roll back.

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

OPTIONS

```
Rollback rpm_name
```

Roll back a specific EEB or an add-on, where *rpm_name* is the name of the EEB or the add-on to roll back.

For example, run the following command to roll back EEB ABC5200_EEB_1-1.2.3.4:

```
Software> Rollback ABC5200_EEB_1-1.2.3.4
```

Manage > Software > Share

Manage > Software > 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 operation 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 the CIFS shares for the directory that receives incoming patches.

For CIFS, you must map using the appliance "admin" user's credentials.

Share Close

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

Manage > Software > UpgradeStatus

Manage > Software > UpgradeStatus – View the version and the software upgrade status.

SYNOPSIS

UpgradeStatus

DESCRIPTION

This command displays the upgrade status, including the target version, percentage completion, upgrade process status, and some of latest operations.

OPTIONS

UpgradeStatus

View the version and the upgrade status of the appliance node.

EXAMPLES

The following is an example output of the Main > Manage > Software > UpgradeStatus command:

```
access-appliance.Software> UpgradeStatus
```

```
The target verison is: 7.4.3
```

```
Current upgrade status: COMPLETED. The upgrade is 100% completed.
```

```
Latest operations:
```

```
-[2020-12-16 21:31:56] [INFO] V-409-777-1318: Completed switching root to  
the upgraded system.
```

```
-[2020-12-16 21:31:57] [INFO] V-409-777-1511: Rebooting nodes...
```

```
-[2020-12-16 21:41:03] [INFO] V-409-777-1517: Upgrade completed  
successfully.
```

Main > Manage > Storage

This appendix includes the following topics:

- [Manage > Storage > Show](#)
- [Manage > Storage > Scan](#)
- [Manage > Storage > Erase](#)

Manage > Storage > Show

Manage > Storage > Show – View storage information.

SYNOPSIS

Show Disk

DESCRIPTION

This command enables you to view the storage information of the storage devices within your appliance.

OPTIONS

Show Disk

Manage > Storage > Scan

`Manage > Storage > Scan` – Use this command to refresh the storage disks and devices information.

SYNOPSIS

`Scan`

DESCRIPTION

This command enables you to refresh the storage disks and devices information.

OPTIONS

`Scan`

Use to refresh the storage disks and devices information.

Manage > Storage > Erase

Manage > Storage > Erase – Used to manage the non-certified disk erasure process.

SYNOPSIS

Erase Configure

Erase Show

Erase Abort

DESCRIPTION

The non-certified disk erasure enables you to erase the Configuration, Data and Fencing disks on the appliance shared storage. When you erase a disk, all the data stored on the disk is destroyed and cannot be recovered.

The command enables you to manage the non-certified disk erasure process as follows:

- Configure disk erasure to erase all the disks on the appliance shared storage. You can specify a pass algorithm for overwriting the data on the disks.
- View disk erasure tasks in progress. You can also view the disk erasure history for each storage disk on the appliance.
- Abort the disk erasure operation.

OPTIONS

Erase Configure

Configure disk erasure to erase all the disks on the appliance shared storage. This command requires you to enter the pass algorithm to be used. The available options are 1, 3, and 7.

Erase Show

View the disk erasure tasks in progress. You can also view the disk erasure history for each storage disk on the appliance.

Erase Abort

Abort the disk erasure operation for all the disks.

Aborting a disk erasure operation results in the corruption of all data on the disk. Once the data is corrupted, it cannot be recovered.

Note: When you abort a disk erasure operation, any erasure progress on the disk is lost. You must configure disk erasure again to erase the disk.

Main > Monitor

This appendix includes the following topics:

- [Monitor > Beacon](#)
- [Monitor > MemoryStatus](#)
- [Monitor > NetworkStatus](#)
- [Monitor > SDCS](#)
- [Monitor > Top](#)
- [Monitor > Uptime](#)
- [Monitor > Who](#)
- [Monitor > Hardware](#)

Monitor > Beacon

Monitor > Beacon – Start or stop flashing hard disk drive LEDs

SYNOPSIS

```
Beacon Start WWID
```

```
Beacon Stop WWID
```

```
Beacon Start HDD
```

```
Beacon Stop HDD
```

DESCRIPTION

Use this command to operate the LEDs of a disk drive. This command enables you to flash or stop flashing the LEDs of a disk drive.

OPTIONS

```
Beacon Start WWID MINS WWID
```

Start flashing the LEDs by *WWID* of the disk drive. *Minutes* is the duration of time, in minutes, that LEDs can flash. If the specified *WWID* is not valid, the *WWID* of all the disk drives in the appliance are displayed.

```
Beacon Stop WWID WWID
```

Stop flashing the LEDs by *WWID* of disk drive. If the specified *WWID* is not valid, the *WWID* of all the disk drives in the appliance are displayed.

```
Beacon Start HDD MINS EID [SID]
```

Start flashing the LEDs by Enclosure ID and Slot ID of the disk drive. *Minutes* is the duration of time, in minutes, that lights can flash. The slot ID is set to a default value of **all**. If slot ID is not specified, LEDs of the entire enclosure start flashing. For the Enclosure ID, you can set the value to **0** or **62**. The **EID 0** represents the disk drives located in the primary storage shelf and **62** represents the drives located in the compute node.

```
Beacon Stop HDD EID [SID]
```

Stop flashing the LEDs by Enclosure ID and Slot ID of a disk drive. The slot ID is set to the default value of **all**. If slot ID is not specified, LEDs of the whole enclosure stop flashing.

Monitor > MemoryStatus

`Monitor > MemoryStatus` – Displays memory usage statistics of the host in KB.

SYNOPSIS

`MemoryStatus`

DESCRIPTION

Use this command to report memory usage statistics in KB.

OPTIONS

`MemoryStatus`

Use this command to report memory usage statistics in KB.

EXAMPLES

The following example shows the sample output that is displayed when you run the

`Main > Monitor > MemoryStatus` command.

Monitor > NetworkStatus

`Monitor > NetworkStatus` – Displays the network statistics for the host.

SYNOPSIS

`NetworkStatus`

DESCRIPTION

Use this command to view network statistics for the appliance node.

OPTIONS

`NetworkStatus`

Use this command to view the network statistics for the appliance node.

EXAMPLES

The following example shows the sample output that is displayed when you run the `Main > Manage > NetworkStatus` command.

Monitor > SDCS

Monitor > SDCS – Configure and monitor Symantec Data Center Security (SDCS).

SYNOPSIS

Audit

DESCRIPTION

Use this command to monitor Symantec Data Center Security (SDCS) events and configuration on the appliance node.

OPTIONS

The following commands and options are available under Monitor > SDCS:

Audit

Search, filter, and edit the retention settings of the SDCS audit log.

- Use the `Audit Search <search_string>` command to search the audit log for the specified string. Use quotation marks if your search string contains multiple words.
- Use the `Audit SetSettings FileNumber <file_number>` command to set the number of SDCS audit files that are maintained.
- Use the `Audit SetSettings RetentionPeriod <days>` command to set the number of days that the audit files are maintained.
- Use the `Audit ShowSettings` command to view the retention period (days) of the audit files.
- Use the `Audit View` command and options to filter and display the audit log based on available criteria.
 - `Audit View Date <ToDate> [FromDate]`
View audit records using the `FromDate` to `ToDate` parameters. The format is `mm/dd/yyyy[-hh:mm:ss]`. If `FromDate` is omitted, it equals `ToDate` with `hh:mm:ss` set to zeroes.
 - `Audit View EventID <ID#>`
Retrieve the detailed view of the audit record that contains the given event ID.
 - `Audit View EventType <event_code>`

Retrieve the audit records that match the given event type. Each event type is represented by a four-letter code that appears in the SDCS audit log. You can view the available codes using the `Audit View EventTypeCodes` command.

- `Audit View EventTypeCodes`
Display the event type codes that can be used with the `Audit View EventType` command, along with a brief description of each code.
- `Audit View Filter <criteria>`
View the audit records that match the filter criteria.
- `Audit View Severity <severity_code>`
Retrieve the audit records that match the given severity. Each event is represented by a one-letter code that appears in the SDCS audit log. You can view the available codes using the `Audit View SeverityCodes` command.
- `Audit View SeverityCodes`
Display the severity codes that can be used with the `Audit View Severity` command, along with a brief description of each code.

Monitor > Top

Monitor > 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

Provides the information (frequently refreshed) about the most CPU-intensive processes currently running.

EXAMPLES

The following is an example of process information that is displayed for the `Main > Monitor > Top` command.

```
top - 00:36:33 up 1 day,  2:39, 11 users,  load average: 1.71, 1.50, 1.40
Tasks: 1765 total,   1 running, 1758 sleeping,   0 stopped,   6 zombie
%Cpu(s):  0.8 us,   0.6 sy,   0.0 ni, 98.6 id,   0.0 wa,   0.0 hi,   0.0 si,   0.0 st
KiB Mem : 19630064+total, 17126507+free, 16448444 used,  8587128 buff/cache
KiB Swap: 10240000+total, 10240000+free,    0 used. 17844412+avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
162533	root	20	0	0	0	0	Z	7.6	0.0	0:00.39	fusemnt_res_scr
4510	rabbitmq	20	0	18.122g	108516	4748	S	6.6	0.1	108:56.56	beam.smp
20926	root	20	0	1201028	26468	2812	S	5.6	0.0	99:31.51	sisidsdaemon
151723	root	20	0	159492	4348	1832	R	1.3	0.0	0:00.46	top
52546	mongod	20	0	553884	192032	7884	S	0.7	0.1	8:06.59	mongod
7162	root	20	0	0	0	0	S	0.3	0.0	0:23.60	dmpdaemon
33916	root	20	0	539652	3860	2568	S	0.3	0.0	1:11.08	CFSMountAgent
33945	root	20	0	473072	3676	2500	S	0.3	0.0	22:48.45	CVMVolDgAgent
61355	mongod	30	10	38040	1052	724	S	0.3	0.0	0:01.19	xinetd
81703	root	20	0	2994616	557924	15420	S	0.3	0.3	2:48.90	jsvc

Monitor > Uptime

`Monitor > 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`

Prints the current time, how long the system has been running, the number of users currently logged in (which may include the same user multiple times) and system load averages.

Monitor > Who

Monitor > 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

Lists the names of users currently logged in, their terminal, the time they have been logged in, and the name of the host from which they have logged in.

EXAMPLES

The following is an example of information that is displayed when you run the Main > Monitor > Who command.

Monitor > Hardware

Monitor > Hardware – View the various hardware components, view the errors and the health status.

SYNOPSIS

```
Hardware ShowErrors
```

```
Hardware ShowComponents
```

```
Hardware ShowHealth Appliance [Item]
```

DESCRIPTION

Use this command to do the following:

- Display the hardware components such as the appliance or the compute node, or the storage shelves. The items that are associated with these components also display.
- View the errors that are related to the hardware components of an appliance. You can use this information to notify Veritas Technical Support of the errors.
- View the performance and status of various hardware components of the appliance node and the attached storage.

OPTIONS

```
Hardware ShowComponents
```

Display all the hardware components and items of an appliance node.

```
Hardware ShowErrors
```

Display all the errors that are related to hardware status.

```
Hardware ShowHealth Appliance [Item]
```

The following options are available for the [Item] parameter. The default value is ALL.

```
(All/Product/Fan/Power/Temperature/CPU/Network/PCI/Firmware/  
Partition/RAID/Disk/DIMM/Certificate/CMOSBattery/DIMMPopulation/  
StorageStatus/Connection
```

For example, to view the serial number of the appliance node, run the following command:

Hardware ShowHealth Appliance Product

```
Hardware ShowHealth PrimaryShelf [Item]
```

View the performance and status of the primary storage shelf of the appliance.

The following options are available for the [Item] parameter. The default value is ALL.

```
(All/Fan/Disk/Power/Temperature/Product/Firmware/BBU/  
Controller/Volume/VolumeGroup) [all]
```

```
Hardware ShowHealth ExpansionShelf [ExpansionShelfID] [Item]
```

View the performance and status of the expansion storage shelf(shelves) of the appliance.

Where [ExpansionShelfID] is the ID of a specific expansion shelf. By default, the data is displayed for all the storage shelves. To check the expansion shelf IDs, use the `Main > Monitor > Hardware ShowComponents` command.

The following options are available for the [Item] parameter. The default value is ALL.

```
(All/Fan/Disk/Power/Temperature/Product/Volume/  
VolumeGroup) [all]
```

For example, to view the status of fan on the expansion storage shelf with an ID of 1, run the following command:

Hardware ShowHealth ExpansionShelf 1 FAN

EXAMPLES

The following is an example output of the `Monitor > Hardware ShowHealth Appliance Product` command.

```
Compute Node syscluster_01
```

```
Time Monitoring Ran: Mon Jan 22 2018 22:52:21 PST
```

```
+-----+  
|           Hardware monitor information           |  
|+-----+-----+-----+-----+|  
|| Name          | Manufacturer | Serial      | |  
|+-----+-----+-----+-----+|  
|| Access 3340   | Veritas    | VTAS9000918 | |  
|+-----+-----+-----+-----+|  
|               |           |              | |  
+-----+
```

Hardware ShowHealth Appliance Connection
Compute Node abc-cluster_01

Time Monitoring Ran: Wed Jan 24 2018 18:34:13 PST

Appliance to Primary Storage Shelf Connections Information					
ID	Appliance Port	Primary Storage Shelf Port	Status	State	
SAS HBA 0	Slot1 Port1	Controller B Port 0	Connected	OK	
SAS HBA 0	Slot1 Port2	Controller A Port 0	Connected	OK	
SAS HBA 1	Slot4 Port1	Controller B Port 1	Connected	OK	
SAS HBA 1	Slot4 Port2	Controller A Port 1	Connected	OK	

Main > Network

This appendix includes the following topics:

- [Network > Configure](#)
- [Network > Date](#)
- [Network > DNS](#)
- [Network > Gateway](#)
- [Network > Hostname](#)
- [Network > Hosts](#)
- [Network > IPv4](#)
- [Network > IPv6](#)
- [Network > NetStat](#)
- [Network > NTPServer](#)
- [Network > Ping](#)
- [Network > Proxy](#)
- [Network > SetProperty](#)
- [Network > Show](#)
- [Network > TimeZone](#)
- [Network > TraceRoute](#)
- [Network > Unconfigure](#)

Network > Configure

Network > Configure – Configure the appliance to a network.

SYNOPSIS

```
Configure IPAddress Netmask GatewayIPAddress InterfaceNames
```

DESCRIPTION

You can use the `Configure` command to configure the IP address of a single interface on the network that you want to connect your appliance to. When you use this command, you need to define the IP address, the netmask address, and the gateway address.

If multiple interfaces with separate IP addresses are used, use the `Network > IPv4` or the `Network > IPv6` commands to configure each network interface individually.

OPTIONS

```
Configure IPAddress Netmask GatewayIPAddress InterfaceNames
```

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 or IPv6 address, *Netmask* is the netmask, *GatewayIPAddress* is the default gateway IP address, and *InterfaceNames* is the name of the device.

EXAMPLES

The following example shows how to configure your appliance network settings:

```
Network > Configure 10.180.2.3 255.255.255.0 10.180.2.1 eth1
```

Network > Date

Network > Date – 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
```

Set the system time.

Where *Month* is the name of the month. *Day* is the day of the month and has a range of one to 31. The variable *HHMMSS* is the hour, minute, and seconds in a 24-hour format and the fields are separated by semi-colons, for example, HH:MM:SS. The variable *Year* is the current year and the range for this field is 1970 through 2037.

The following is sample entry for this command:

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

```
Date Show
```

Show the system date and time.

Network > DNS

Network > DNS – Configure the DNS information for the appliance.

SYNOPSIS

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

DESCRIPTION

You can use this command to perform the following tasks:

- Add or delete a name server to the DNS configuration.
- Add or delete a domain name to the DNS search list.
- Show the current DNS information.

OPTIONS

```
DNS Add NameServer IPAddress
```

Add a DNS nameserver to the DNS configuration.

Where *IPAddress* is the IP address of the DNS name server.

```
DNS Add SearchDomain DomainName
```

Add a DNS search domain to the configuration.

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

```
DNS Delete NameServer IPAddress
```

Delete a DNS named server from the configuration.

Where *IPAddress* is the IP address of the DNS name server.

```
DNS Delete SearchDomain DomainName
```

Delete a DNS search domain from the configuration.

Where *IPAddress* is the IP address of the DNS name server.

```
DNS Show
```

Show the current DNS information.

Note: Starting with 7.4.3, the *Domain* option is no longer supported for the `Network > DNS` command. Instead, use the `Network > DNS Add SearchDomain` and `Network > DNS Delete SearchDomain` commands for the configuration.

Network > Gateway

Network > Gateway — Add or delete routing information.

SYNOPSIS

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

```
Gateway Delete TargetNetworkIPAddress [Netmask]
```

```
Gateway Show IPVersion
```

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 or IPv6 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.

Remember that you should not use both IPv4 and IPv6 address in the same command. For example, you cannot use `Gateway Add 9ffe::3 255.255.255.0 eth1`. You should use `Gateway Add 6ffe::3 6ffe:: 64 eth1`.

OPTIONS

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

Add a route to a kernel routing table.

Where the *GatewayIPAddress* variable is the new IPv4 or IPv6 gateway address. The *TargetNetworkIPAddress* is the target network IPv4 or IPv6 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 [Netmask]
```

Delete the route from the kernel routing table.

Where *TargetNetworkIPAddress* is the target network address. The *Netmask* variable is the target network netmask.

Gateway Show [*IPVersion*]

Display the gateway and the route information. Here, [*IPVersion*] parameter is an optional parameter. It defines the IP protocols - IPv4 and IPv6. If you do not enter a value for the [*IPVersion*] parameter, the information is displayed for IPv4.

EXAMPLES

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
```

```
Gateway Add 6ffe::3 6ffe:: 64 eth1
```

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 or 6ffe:: 64.

```
Gateway Delete 10.180.0.0
```

```
Gateway Delete 6ffe:: 64
```

Network > Hostname

Network > Hostname – Set or show the hostname for the appliance node.

SYNOPSIS

Hostname Set *Name*

Hostname Show

DESCRIPTION

This command enables you to set or show the appliance node hostname.

OPTIONS

Hostname Set *Name*

Set the host name.

The *Name* variable contains the short host name or the fully qualified domain name (FQDN) of the host.

Note: The host name can only be set during an initial configuration on an appliance node. After the initial configuration has completed successfully, you can re-enter the initial configuration by performing a factory reset on the appliance.

Hostname Show

Display the host name.

Network > Hosts

Network > Hosts – 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
```

Add an IP address to the host name mapping.

IPAddress is the IPv4 or IPv6 address to add.

FQHN is the fully qualified host name. And *ShortName* is the short host name.

```
Hosts Delete IPAddress
```

Delete an IP address from the host name mapping.

IPAddress is the IPv4 or the IPv6 address to be deleted.

```
Hosts Show
```

Display the IP address and host name mapping.

Network > IPv4

Network > IPv4 – Change the IPv4 address of a network interface.

SYNOPSIS

```
IPv4 IPAddress NetMask [InterfaceNames]
```

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 must repeat the command for each network that you want to add.

OPTIONS

```
IPv4 IPAddress NetMask [InterfaceNames]
```

Change the IPv4 address of a network interface.

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

Network > IPv6

Network > IPv6 – Add an IPv6 address without specifying a gateway address.

SYNOPSIS

```
IPv6 IPAddress Prefix [InterfaceNames]
```

DESCRIPTION

Use this command to configure the IPv6 address of a network interface. You cannot use this command to configure multiple interfaces.

OPTIONS

```
IPv6 IPAddressPrefix [InterfaceNames]
```

Change the IPv6 address of a network interface.

Where *IPAddress* is the IPv6 address, *Prefix* is the prefix length, and [*InterfaceNames*] is the name of the device.

The [*InterfaceNames*] parameter is a comma-separated list of interface names. The [*InterfaceNames*] parameter is an optional field. If an interface name is not provided, the command searches for an interface and configures it.

EXAMPLES

Use the following example to assign an IPv6 address to a specific interface:

```
IPv6 9ffe::9 64 eth1
```

Network > NetStat

Network > NetStat — Identify network statistical information

SYNOPSIS

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

DESCRIPTION

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.
```

Network > NTPServer

Network > NTPServer – 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*

Add an NTP Server. Where *Server* is the name of the server to add.

NTPServer Delete *Server*

Delete an NTP Server. Where *Server* is the name of the server to delete.

NTPServer Show

Show the known NTP Servers.

Network > Ping

`Network > Ping` – An attempt to reach a host or IP address with `ICMP ECHO_REQUESTs`

SYNOPSIS

`Ping Host`

DESCRIPTION

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`

Send a small packet of `ICMP ECHO_REQUESTs` to a host name or an IPv4 or IPv6 address of the target computer to test the network communications.

Where *Host* is the hostname or the IPv4 or IPv6 address of the target computer.

Network > Proxy

`Network > Proxy` – Use this command to manage proxy server settings for the appliance.

SYNOPSIS

```
Proxy > Enable
Proxy > Disable
Proxy > Set Proxy [Tunnel] [Username]
Proxy > Show
```

DESCRIPTION

Use this command to do the following:

- Set and use a proxy for this appliance.
- Enable the use of a proxy server for this appliance.
- Disable the use of a proxy server for this appliance.
- Show the current proxy settings and status of the proxy for this appliance.

OPTIONS

```
Proxy Set Proxy [Tunnel] [Username]
```

Configure the proxy for this appliance.

Proxy

Specifies the proxy server address and port number (0-65535). Use a host name or an IPv4/IPv6 address for the proxy server. A colon (:) is required between the server address and the port number. For example: 192.0.2.0:80

[Tunnel]

Specifies the optional proxy server tunnelling settings. The available options are `TunnelOn` and `TunnelOff`. The default option is `TunnelOff`.

[Username]

Specifies the optional proxy server user name. Alphanumeric characters and four special characters (@, -, _, .) are supported.

```
Proxy > Enable
```

Enables the use of a proxy server for this appliance.

Proxy > Disable

Disables the proxy server settings for this appliance.

Proxy > Show,

Show the current proxy settings and status of the proxy for this appliance.

EXAMPLES

The following is an example output of the `Proxy Set` command.

```
abc.Network.Proxy> Set 10.182.27.100:3128 TunnelOn admin
Enter password for user "admin":
Enter password for user "admin" again:
[Info] The default proxy server is set successfully.
```

The following is an example output of the `Proxy Show` command.

```
abc.Network.Proxy> Show
+-----+-----+-----+-----+
| Proxy server | Access port | User   | Tunnel | Status |
+-----+-----+-----+-----+
| 10.182.27.100 | 3128        | mukesh | On      | Enabled |
+-----+-----+-----+-----+
```

The following is an example output of the `Proxy Enable` command.

The following is an example output of the `Proxy Disable` command.

Network > SetProperty

Network > SetProperty – 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

```
SetProperty InterfaceName Property Value
```

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:

```
SetProperty eth1 mtu 1500
```

This command changes the Maximum transmission unit (MTU) of interface (eth1) to 1500.

Network > Show

Network > Show – List the network properties.

SYNOPSIS

```
Show Properties [InterfaceNames]
```

```
Show Status
```

DESCRIPTION

Use this command to list the network properties.

OPTIONS

```
Show Properties [InterfaceNames]
```

Display the network properties. The `InterfaceNames` is an optional parameter.

```
Show Status
```

View the following network status information:

- Device status
- Routing status

Network > TimeZone

Network > TimeZone – Set the time zone.

SYNOPSIS

TimeZone Reset

TimeZone Set

TimeZone Show

DESCRIPTION

OPTIONS

TimeZone Reset

TimeZone Set

Set the time zone.

TimeZone Show

Show the currently configured time zone.

Network > TraceRoute

Network > TraceRoute – Display the network packet route

SYNOPSIS

```
TraceRoute Host
```

DESCRIPTION

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 or IPv6 address of the target computer.

Where *Host* is the hostname or the IPv4 or IPv6 address of the target computer.

Network > Unconfigure

`Network > Unconfigure` – Remove the IP address and shut down the interface.

SYNOPSIS

```
Unconfigure InterfaceNames [IPAddress]
```

DESCRIPTION

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

OPTIONS

```
Unconfigure InterfaceNames [IPAddress]
```

Remove the IP address and shut down the interface. *InterfaceNames* is the name of the interface.

[*IPAddress*] is the IPv4 or IPv6 address. [*IPAddress*] is an optional parameter.

Main > Settings

This appendix includes the following topics:

- [Settings > Password](#)
- [Settings > Alerts > CallHome](#)
- [Settings > Alerts > Email](#)
- [Settings > Alerts > Hardware](#)
- [Settings > Alerts > SNMP](#)
- [Settings > LogForwarding](#)
- [Security > Certificates > DeviceCertificate > Export](#)
- [Security > Certificates > DeviceCertificate > Import](#)

Settings > Password

Settings > Password – Change the user password.

SYNOPSIS

Password *UserName*

DESCRIPTION

Use this command to change the password for a local user.

When the STIG option is not enabled, the following password requirements must be met:

- The password must contain at least eight characters.
- The password must contain at least one lowercase character (a-z), uppercase character (A-Z), numeric character (0-9), and special character (~!@#\$%^&).
- The password cannot be a dictionary word.
- The last seven passwords cannot be reused.
- The new password cannot be similar to the previous passwords.

When the STIG option is enabled, the following password requirements must be met:

- The password must be at least 15 characters long and must include at least one character from the following categories:
 - Numbers
 - Lowercase characters
 - Uppercase characters
 - Special characters (~!@#\$%^&)
- The password can contain a maximum of two consecutive repeating characters.
- The password can contain a maximum of four consecutive repeating characters from the same category.
- The password must contain a minimum of eight different characters.
- The password must be retained for a minimum of one day before changing it.
- The password must be changed after a maximum of 60 days.
- The password must not be a dictionary word.

- The last seven passwords cannot be reused.

OPTIONS

`Password` *UserName*

Change the password on your appliance node. *UserName* is the name of the local user.

Settings > Alerts > CallHome

Settings > Alerts > CallHome – Manage CallHome settings.

SYNOPSIS

CallHome Disable

CallHome Enable

CallHome Show

CallHome Test

DESCRIPTION

You can use the `CallHome Enable` and `CallHome Disable` commands to instruct the appliance whether or not to send the appliance health status to Veritas Technical Support. Veritas uses the health status to automatically open Support cases to resolve problems faster. The functionality is enabled by default.

OPTIONS

CallHome Disable

Disable the Call Home feature. Disabling Call Home also disables the Product Improvement Program.

CallHome Enable

Enable the Call Home feature. Enabling the feature lets you send the health status of the appliance to Veritas Technical Support. In case of any failure, Veritas Technical Support uses this information to resolve the issue.

CallHome Show

View the Call Home and proxy settings that are currently configured for your appliance.

CallHome is enabled by default.

CallHome Test

Validate whether or not the appliance is able to send Call Home information to Veritas Technical Support.

Settings > Alerts > Email

Settings > Alerts > Email – Use to configure email support for the appliance.

SYNOPSIS

```
Email Hardware Add Addresses
Email Hardware Delete Addresses
Email NotificationInterval Time
Email SenderID Reset
Email SenderID Set Address
Email Show
Email Test
Email SMTP Add Server [Account] [Password]
Email SMTP Delete
Email Software Add Addresses
Email Software Delete Addresses
```

DESCRIPTION

Use this command to add, replace, or show the email address that the appliance uses. You can use this command to define one or more emails.

OPTIONS

```
Email Hardware Add Addresses
```

Add or append a hardware administrator's email account for Access Appliance to use.

Where *Addresses* is the user's email address. To define multiple emails, separate them with a semi-colon.

```
Email Hardware Delete Addresses
```

Delete a hardware administrator's email account for Access Appliance to use.

Where *Addresses* is the user's email address. To define multiple emails, separate them with a semi-colon.

Email NotificationInterval *time*

Define the time span between the alert emails that are sent to the administrator.

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

Email SenderID Reset

Reset the current email ID to default email ID that is used for the emails that are received from the appliance.

Email SenderID Set Address

Set a sender email ID that is used for the emails that are received from appliance. Here, *Address* is the email address of the sender.

Email Show

View your email or SMTP settings

Email SMTP Add Server [Account] [Password]

Add an SMTP server that NetBackup can use.

The *Server* variable is the host name of the target SMTP server that is used to send emails. The *Account* option identifies the name of the account that was used or the authentication to the SMTP server. The *Password* option is the password for authentication to the SMTP server.

Email SMTP Delete

Delete the SMTP server that Access Appliance uses.

Email SMTP Enable

Enable the SMTP server that Access Appliance uses.

Email Software Add Addresses

Add or append a software administrator's email account for Access Appliance to use.

Where *Addresses* is the user's email address. To define multiple emails, separate them with a semi-colon.

Email Software Delete Addresses

Delete a software administrator's email account for Access Appliance to use.

Where *Addresses* is the user's email address. To define multiple emails, separate them with a semi-colon.

Email Test

A test email is sent to the email *Addresses* configured above. Check if a test email is received in your mail inbox. The email transmission is decided by the network connections, the SMTP settings and the email address settings of

your appliance. Follow the prompted error messages to troubleshoot if the test email is not received.

Settings > Alerts > Hardware

Settings > Alerts > Hardware – Set or view a threshold value for the disk space of any partition.

SYNOPSIS

```
Hardware DiskspaceThreshold Set
```

```
Hardware DiskspaceThreshold Show
```

DESCRIPTION

You can set a threshold value for a disk space using this command and receive alerts when the disk space of any partition passes this threshold value.

OPTIONS

```
Hardware DiskspaceThreshold Set DiskThreshold
```

Set a threshold value for the disk space. The default value for disk space threshold is 80%. Here, the *DiskThreshold* variable defines a threshold value for the disk space in the range 1-99 in percent.

```
Hardware DiskspaceThreshold Show
```

View the threshold value that is set for your disk space.

Settings > Alerts > SNMP

Settings > Alerts > SNMP – Add SNMP information on your appliance that enables the host to send SNMP notifications for monitoring.

SYNOPSIS

```
SNMP Clear  
SNMP Disable  
SNMP Enable  
SNMP Set Server [Community] [Port]  
SNMP Show  
SNMP ShowMIB
```

DESCRIPTION

The Access Appliance uses the SNMPv2-SMI or the SNMPv3-SMI application protocol to monitor the appliance node. Use this command to add or change SNMP parameters on the server. You can use the following commands to display the current parameters and the changes that were made to the SNMP information. You can use this command to enable and disable SNMP notifications for appliance monitoring.

When you create and enable an SNMP community you enable appliance monitoring to occur on the appliance node through the SNMP protocol. Notifications or traps are programmed to occur on the appliance node. In addition, you can use this command to see the notification traps that have been configured for the appliance node.

OPTIONS

```
SNMP Clear  
    Clears all of the previously stored SNMP settings.  
  
SNMP Disable  
    Disables the ability to send SNMP notifications (traps) for monitoring.  
  
SNMP Enable [version]  
    V2  
    Enable the ability to send SNMP version 2 notifications (traps) for monitoring.
```

V3

Enable the ability to send SNMP version 3 notifications (traps) for monitoring.

SNMP Set *Community Server [Port] Security*

Community

Sets the SNMP Community string. The default setting is *public*. This setting is required for SNMP V2, and is optional for SNMP V3.

Server [Port]

Sets the SNMP server name and the port assignment. The default setting is 162.

Note: Access Appliance supports all of the SNMP servers in the market. However, the ManageEngine™ SNMP server and the HP OpenView SNMP server are tested and certified.

Security

Lets you configure the following security parameters when SNMP version 3 is enabled:

- *noAuthNoPriv [Username]*
Sets the security level to no authentication and no privileges for a specific SNMP user.
- *AuthNoPriv [Username] [Authentication Protocol] [Authentication Password]*
Sets the security level to authentication with no privileges for a specific SNMP user. Authentication Protocol can be set to SHA256 or SHA512. An Authentication Password is required.
- *AuthPriv [Username] [Authentication Protocol] [Encryption Policy] [Authentication Password] [Encryption Passphrase]*
Sets the security level to authentication with privileges for a specific SNMP user. Authentication Protocol can be set to SHA256 or SHA512. Encryption Policy can be set to AES128, AES192, or AES256. An Authentication Password and an Encryption Passphrase are required.

Rules for Username, Authentication Password, and Encryption Passphrase:

- Username can have 1-32 characters.
Authentication Password and Encryption Passphrase must have 8 or more characters.

- Username, passwords, and passphrases may include uppercase letters, lowercase letters, numbers, and the following punctuation marks: period, hyphen/dash, underscore.
- Spaces, commas, and special characters are not allowed.

SNMP Show

Displays the parameters that are set after you have run an `SNMP Set Server` command. If you run this command before you have run a `SNMP Set Server` command, then default values for [Community] and [Port] are displayed and no value is displayed for *Server*.

SNMP ShowMIB

Display the contents of the Management Information Base (MIB) file. This file contains the notification traps that are configured to monitor the appliance.

EXAMPLES

You can use either of the following methods to configure a public SNMP community on port 8080. The example uses the [Community] and [Port] options.

```
abc123.Alerts> SNMP Set pqr222.xyz.com public 8080
Successfully set SNMP manager
```

When you run the `Settings> Alerts > SNMP ShowMIB` command, an output similar to the following is displayed.

```
VERITAS-APPLIANCE-MONITORING-MIB DEFINITIONS ::= BEGIN

IMPORTS
    DisplayString, mib-2 FROM RFC1213-MIB
    enterprises, OBJECT-TYPE, NOTIFICATION-TYPE, MODULE-IDENTITY FROM SNMPv2-SMI;

applianceMonitoringMib MODULE-IDENTITY
    LAST-UPDATED "2016083000Z"
    ORGANIZATION "Veritas Technologies LLC"
    CONTACT-INFO "500 East Middlefield Road
    Mountain View, CA 94043 US
    Subject: appliance.mib"
    DESCRIPTION "The MIB module for Veritas Appliance Monitoring"

    REVISION "201609060000Z"
    DESCRIPTION "Changed symc strings to vrts."
```

```
::= { products 9 }

veritassoftware OBJECT IDENTIFIER ::= { enterprises 48328 }
products OBJECT IDENTIFIER ::= { veritassoftware 3 }

systems OBJECT IDENTIFIER ::= { applianceMonitoringMib 1 }
software OBJECT IDENTIFIER ::= { applianceMonitoringMib 2 }

-- system traps

vrtssystemName OBJECT-TYPE
SYNTAX DisplayString (SIZE(0..80))
MAX-ACCESS read-only
STATUS current
DESCRIPTION "System Name"
::= { systems 1 }

vrtsfanTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps fan failures"
::= { systems 3 }

vrtspowerTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps power failures"
::= { systems 4 }

vrtsfibrechannelTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps FibreChannel failures"
::= { systems 5 }

vrtstemperatureTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps temperature failures"
::= { systems 6 }

vrtscpuTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
```

```
STATUS current
DESCRIPTION "Traps cpu failures"
::= { systems 7 }
```

```
vrtsdiskTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps disk failures"
::= { systems 8 }
```

```
vrtsraidgroupTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps raid failures"
::= { systems 9 }
```

```
vrtsenclosurefanTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps enclosure fan failures"
::= { systems 10 }
```

```
vrtsenclosurepowerTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps enclosure power failures"
::= { systems 11 }
```

```
vrtsenclosuretemperatureTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps enclosure temperature failures"
::= { systems 12 }
```

```
vrtsenclosurediskTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps enclosure disk failures"
::= { systems 13 }
```

```
vrtsadapterTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
```

```
STATUS current
DESCRIPTION "Traps adapter failures"
::= { systems 14 }

vrtsfirmwareTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps firmware failures"
::= { systems 15 }

vrtspciTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps pci failures"
::= { systems 16 }

vrtsnetworkcardTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps network card failures"
::= { systems 17 }

vrtsvolumeTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps volume failures"
::= { systems 18 }

vrtsbbuTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps BBU failures"
::= { systems 19 }

vrtscconnectionTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps connection failures"
::= { systems 20 }

vrtspartitionTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
```

```
DESCRIPTION "Partition alert traps"
:= { systems 21 }

vrtssstoragestatusTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps StorageArray HealthStatus failures"
:= { systems 22 }

vrtsdimmTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps Dimm failures"
:= { systems 23 }

vrtsiscsiTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps Iscsi failures"
:= { systems 24 }

vrtsethernetTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Traps Ethernet failures"
:= { systems 25 }

-- software traps

vrtsfailedJobsTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Job failures Trap"
:= { software 1 }

vrtsprozessTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Processes stopped traps"
:= { software 2 }

vrtsdiskSpaceTrap NOTIFICATION-TYPE
```

```
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Low disk space traps"
:= { software 3 }

vrtssoftwareUpdateSuccessTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Software update success trap"
:= { software 4 }

vrtssoftwareUpdateFailedRollbackSuccessTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Software update failed but rollback was successful trap"
:= { software 5 }

vrtssoftwareUpdateFailedRollbackFailedTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Software update and rollback failed trap"
:= { software 6 }

vrtssrollbackSuccessTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Software rollback success trap"
:= { software 7 }

vrtssrollbackFailedTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Software rollback failed trap"
:= { software 8 }

vrtssclusterStateTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Cluster node failed trap"
:= { software 9 }

vrtssdiskPerfTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
```

```
STATUS current
DESCRIPTION "Disk performance alert trap"
::= { software 10 }

vrtscollectorserviceTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "Collector plugin loading failed trap"
::= { software 11 }

vrtsassetagTrap NOTIFICATION-TYPE
OBJECTS { vrtssystemName }
STATUS current
DESCRIPTION "AssetTag"
::= { software 12 }

END
```

Settings > LogForwarding

Settings > LogForwarding – View the configuration details for forwarding logs.

SYNOPSIS

LogForwarding Show

DESCRIPTION

Use this command to view the current status and the configured settings for forwarding the appliance system logs (syslogs) to an external log management server. The supported log management servers are HP ArcSight and Splunk.

OPTIONS

LogForwarding Show

View the current status and the configuration details for forwarding the syslogs to a log management server.

Examples

The following example shows the sample output for the `LogForwarding Show` command where the appliance is configured to forward the syslogs to a log management server over TCP every 15 minutes.

```
abc123.LogForwarding> Show
[Info] Forwarding syslogs to an external log management server is enabled.
Target server: 10.200.217.1
Server Port:   514
Protocol:      TCP
Interval:      15 minutes
TLS:           Disabled
```

Security > Certificates > DeviceCertificate > Export

Security > Certificates > DeviceCertificate > Export – Export the device certificate.

SYNOPSIS

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

DESCRIPTION

Use this command to export the device certificate to a specified location.

The device certificate is unique for each appliance and is factory installed. The certificate is stored on a storage device in the appliance. When you reimage the appliance, the certificate on the storage device is preserved. The certificate is copied to the appliance after the appliance is reimaged.

OPTIONS

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

Use this command to export the device certificate. 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. The `PathValue` parameter specifies the location where you want to store the exported certificate. By default, the certificate is exported to the `/inst/cert/host.pfx` location.

Security > Certificates > DeviceCertificate > Import

Security > Certificates > DeviceCertificate > Import – Import the device certificate.

SYNOPSIS

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

DESCRIPTION

Use this command to import the device certificate to a specified location.

OPTIONS

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

Use this command to import the device certificate. The `EnterPasswd` parameter 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. The `PathValue` parameter specifies the location where the encrypted device certificate is saved. By default, the encrypted certificate is stored in the `/inst/cert/host.pfx` location.

Main > Support

This appendix includes the following topics:

- [Support > Cleanup > ResetDIMMErrors](#)
- [Support > Collect](#)
- [Support > DataCollect](#)
- [Support > FactoryReset](#)
- [Support > InfraServices](#)
- [Support > IPMI](#)
- [Support > LogBrowser](#)
- [Support > Logs](#)
- [Support > Maintenance](#)
- [Support > RAID](#)
- [Support > Reboot](#)
- [Support > Services](#)
- [Support > Shutdown](#)
- [Support > Storage Reset](#)
- [Support > Test](#)

CPU1 Channel	Uncorrectable	Samsung	M393A1G4	313C62CB	DDR4	8192	2133	2	Failed
A Slot 1	Error		0DB0-CPB			MB	MHz		
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+									
CPU1 Channel	Uncorrectable	Samsung	M393A1G4	313C53CA	DDR4	8192	2133	2	Failed
A Slot 2	Error		0DB0-CPB			MB	MHz		
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+									

To reset the uncorrectable error count of specific DIMMs from the table, enter the IDs separated by commas. To reset the uncorrectable error count for all the DIMMs shown in the table, type all(default): CPU1 Channel A Slot1, CPU1 Channel A Slot 2

Are you sure you want to reset the uncorrectable error count for CPU1 Channel A Slot1, and CPU1 Channel A Slot2?[yes, no](no): yes
The reset has been initiated. It may take some time to complete.
If alerts are configured, you will receive one or more alerts indicating that the DIMM error is resolved.

Showing the DIMMs (dual in-line memory modules) with a failed state:

ID	Status	Manufacturer	Part	Serial	Type	Size	Speed	Uncorrectable	State
			Number	Number				Error Count	
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+									
CPU1 Channel	Uncorrectable	Samsung	M393A1G4	313C62CB	DDR4	32	2400	1	Failed
A Slot 1	Error		0DB0-CPB			GB	MT/s		
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+									

Are you sure you want to reset the uncorrectable error count for CPU1 Channel A Slot 1?[yes, no](no):yes
The reset has been initiated. It may take some time to complete.
If alerts are configured, you will receive one or more alerts indicating that the DIMM error is resolved.

Support > Collect

Support > Collect – Collect appliance details and transmit to Veritas AutoSupport server.

SYNOPSIS

Collect Config

Collect Inventory

DESCRIPTION

Use this command to collect appliance details on-demand without waiting for a scheduled collection. Ensure that Call Home is enabled on the appliance before you run this command.

OPTIONS

Collect Config

Use this command to collect configuration information about the appliance and transmit it to the Veritas AutoSupport server.

Collect Inventory

Use this command to collect all component-specific metadata including the appliance model and serial number and transmit it to the Veritas AutoSupport server.

Examples

The following example shows the output that is displayed when you run the `Support > Collect Config` command:

```
Support> Collect Config
[Info] Collecting configuration data. This process may take several minutes.
[Info] V-475-4-30000 Configuration data collection completed.
Transmitting this data to the Veritas AutoSupport server may
take up to 30 seconds.
```

the following example shows the output that is displayed when you run the `Support > Collect Inventory` command:

```
Support>Collect Inventory
Collecting inventory data.The data collecting process may take
```

several minutes. Inventory collection completed. It may take 10 to 30 seconds to transmit the data to Veritas.

Support > DataCollect

Support > DataCollect – Gather device logs.

SYNOPSIS

DataCollect

DESCRIPTION

OPTIONS

DataCollect

Use to gather appliance device logs.

EXAMPLES

The following procedure is executed after you run the DataCollect command.

```
abc123.Support> DataCollect
Gathering release information
Gathering disk performance logs
Gathering command output logs
Gathering dmidecode logs
Gathering ipmitool sel list logs
Gathering ipmitool sel writeraw logs
Gathering fwtermlog logs
Gathering AdpEventLog logs
Gathering smartctl logs
Gathering ipmiutil command output
Gathering BMC Debug logs
Gathering Seagate storage array logs
Gathering cpu information
Gathering memory information
Gathering os logs
Gathering dfinfo logs
Gathering vxprint logs
Gathering patch logs
Gathering autosupport logs
Gathering sysinfo logs
Gathering sdr logs
Gathering adpallinfo logs
```

```
Gathering encinfo logs
Gathering cfgdsply logs
Gathering ldpdinfo logs
Gathering pdlist logs
Gathering fru logs
Gathering adpbucmd logs
Gathering sas3ircu logs
Gathering sas3ircu display logs
Gathering adpalilog logs
Gathering Test Hardware logs
Gathering Access product logs
```

```
All logs have been collected in /tmp/DataCollect.zip
Log file can be collected from the appliance shared folder - \\abc123example.
Share can be opened using Main->Support->Logs->Share Open
The Log files DataCollect-xxxxXXXX-20180122233305.tar.gz collected from the a
The data transmission may complete in several minutes or longer due to file s
=====End of DataCollect=====
```

Support > FactoryReset

Support > FactoryReset – Reset the node to factory default settings.

SYNOPSIS

```
FactoryReset
```

```
FctoryReset ResetAll
```

DESCRIPTION

Use this command to reset the appliance to the factory default settings. If you have changed the initial password and you run this command, your password is reset to the initial default value. You can use this command to factory reset both the nodes in the cluster. You do not have to remove the nodes from the cluster before running this command.

If you factory reset a node that is not in a cluster, the storage configuration and the data is preserved. The data is not deleted from the attached storage.

OPTIONS

```
FactoryReset
```

Use this command to reset the node to the factory default settings.

```
FactoryReset ResetAll
```

Use this command to reset the node factory installed image in non-interactive mode.

Support > InfraServices

Support > InfraServices – Display and control the infrastructure services.

SYNOPSIS

```
Show All
Start All
Stop All
Show Database
Start Database
Stop Database
Show MessageQueue
Start MessageQueue
Stop MessageQueue
Show Webserver
Start Webserver
Stop Webserver
```

DESCRIPTION

These commands exist under the `Main > Support > InfraServices` view. You can use these commands to monitor, start, and stop the infrastructure services.

Note: The infrastructure service commands are mainly used for troubleshooting and support. These should be used under the guidance of Technical Support. Stopping the infrastructure services may lead to failure of running operations.

OPTIONS

```
Show All
```

Show the status of all the infrastructure services. The infrastructure services include the database, message queue, and the web server service.

Start All

Start all the infrastructure services. The infrastructure services include the database, message queue, and the web server service.

Stop All

Stop all the infrastructure services. The infrastructure services include the database, message queue, and the web server service.

Show Database

Show the status of the database.

Start Database

Start the database.

Stop Database

Stop the database.

Show MessageQueue

Show the status of the message queue service.

Start MessageQueue

Start the message queue service.

Stop MessageQueue

Stop the message queue service.

Show Webserver

Show the status of the web server service.

Start Webserver

Start the web server service.

Support > IPMI

Support > IPMI – Use these commands to manage the IPMI configuration.

SYNOPSIS

```
IPMI Network Configure <IPv4 or IPv6 IPAddress> <Netmask>  
<GatewayIPAddress>  
  
IPMI Network Show  
  
IPMI Reset  
  
IPMI User Add <User_name>  
  
IPMI User Delete <User_name>  
  
IPMI User List
```

DESCRIPTION

The IPMI commands let you configure the IPMI network and manage users accessing the appliance using the IPMI connection. Use the IPMI commands to:

- Configure IPMI sub-system
- View the current IPMI settings
- Reset the IPMI
- Add users
- Delete users
- List users

OPTIONS

IPMI Network Configure

This command is used to configure the IPMI sub-system using the IPMI port.

IPMI Network Show

This command is used to view the current IPMI port information.

IPMI Reset

This command is used to reset the IPMI. You must reset IPMI only if the IPMI interface stops responding or hangs.

IPMI User Add

This command is used to add new users to access the IPMI sub-system.

IPMI User Delete

This command is used to delete existing users that can access the IPMI sub-system.

IPMI User List

This command is used to view the list of users who can access the IPMI sub-system.

The following procedure is executed after you run the `IPMI Network Configure` command.

```
Support> IPMI Network Configure 10.182.8.70 255.255.240.0 10.182.1.1
Network is configured successfully.
```

The following information is displayed when you run the `IPMI Network Show` command.

The following information is displayed when you run the `IPMI Reset` command.

```
Resetting the IPMI disconnects all current IPMI users.
Are you sure you want to reset the IPMI? [yes, no]: yes
```

In case other users are not affected, type **yes** and press **Enter** to continue. The following message is displayed:

```
-[Info] The IPMI is being reset...
-[Info] Wait for two minutes before attempting to reconnect to the
IPMI console. If you cannot access the IPMI console, the appliance
must be shut down and then restarted. First schedule a convenient time
for the shutdown, alert all users and shut down the appliance.
Then disconnect all appliance power cables for 15 seconds, reconnect
them and turn on power to the appliance.
```

Type **no** in case other users are affected. Alert all users and schedule a convenient time for reset. Run the `IPMI Reset` command again at the scheduled time.

The following procedure is executed after you run the `IPMI User Add <User_name>` command.

The following procedure is executed after you run the `IPMI User Delete <User_name>` command.

The following information is displayed after you run the `IPMI User List` command.

```
Support > IPMI User List
```

User name : Anonymous User
User privilege : ADMIN

User name : sysadmin
User privilege : ADMIN

User name : root
User privilege : ADMIN

Support > LogBrowser

Support > LogBrowser – Manage the log transfer web service used for Log Transfer Console.

SYNOPSIS

`Start Time`

`Status`

`Stop`

DESCRIPTION

Use this command to manage the log transfer web service, which is used by the Log Transfer Console to download the logs to your local system.

OPTIONS

`Start`

Start the log transfer web service. You can set the amount of time from 1 to 720 minutes. The default time is 720 minutes. When the set time expires, the log transfer web service stops automatically.

`Status`

Show the status of the log transfer web service.

`Stop`

Stop the log transfer service manually.

Support > Logs

Support > Logs – Manage logging setting, view and share logs files.

SYNOPSIS

```
Browse  
Share  
VxLogView Minutes minutes_ago  
VxLogView Module
```

DESCRIPTION

Use this command to do the following functions:

- Browse the 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 node. When you run the `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 the host:

- `APPLIANCE`
- `OS`
- `COREDUMP`

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.`

- Export or remove CIFS and NFS shares for the logs.
Use the `Share Open` command to export the CIFS and the NFS shares for the logs. The `Share Close` command removes the CIFS and the NFS shares for the logs.
- Display debug information from the VxLog files.
Use the `VxLogView` command to display log files for specific job or by a set duration of time.

OPTIONS

`Browse`

Use to show the appliance logs on the current node.

`Share`

Use to extract the CIFS and the NFS shares for the logs.

For CIFS, you must map the share using the appliance "admin" user's credentials.

`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.

`VxLogView Module`

Use the command to display debug information from the log files by designating a specific logging module as the criteria by which the information is parsed. Type the number that corresponds to the appliance system component that contains the module that you want to view the VxLog of.

Support > Maintenance

Support > Maintenance – Enables the user to open an interactive shell menu.

SYNOPSIS

Maintenance

DESCRIPTION

Your appliance node 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.

Use the following command to reset the password anytime after you have completed the initial configuration:

```
Main > Settings > Password UserName
```

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. In addition, if you change this password and then run the `FactoryReset` command, this password is reset to the initial default value.

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.

```
NBApl.Support> Maintenance  
<!--Maintenance Mode--!>  
maintenance's password:
```

Support > RAID

`Support > RAID` – Used to clear data on the storage disks and to reset the disk RAID configuration.

SYNOPSIS

`RAID Clear`

DESCRIPTION

The RAID command is available on a 3340 appliance only when it is newly out-of-box or has been re-imaged or factory reset.

Use the `RAID Clear` command to remove external RAID storage that includes only the LUNs and volume groups. The `RAID Clear` command is available for a node that is not a part of the cluster. You cannot run this command on a cluster node.

OPTIONS

`RAID Clear`

This command removes all data on the storage and resets the disk RAID configuration. It also reassigns all the hot spare disks. The RAID volume groups are completely cleared out and then re-created. The complete operation results in an initialization overhead.

Support > Reboot

Support > Reboot – Reboot the system

SYNOPSIS

```
Reboot [Force]
```

DESCRIPTION

Use this command to reboot the current system on the appliance node. You cannot use this command to restart another system remotely.

OPTIONS

```
Reboot [Force]
```

Use this command to restart the system.

The `Force` parameter forces the system to restart even if services are not able to be stopped. Use this parameter if a previous attempt failed.

Support > Services

Support > Services – Show and control the Access services.

SYNOPSIS

Show

Start

Stop

DESCRIPTION

These commands exist under the `Main > Support > Services` view. Enter the `Support > Services` view, and then you can use these commands to control the Access services on the appliance node, and view the service status.

OPTIONS

Show

Show the Access services on all the nodes in the cluster.

Start

Start the Access services on the appliance node.

Stop

Stop the Access services on the appliance node.

Support > Shutdown

Support > Shutdown – Turn off the system

SYNOPSIS

Shutdown

DESCRIPTION

Use the command to turn off the system and power off the appliance node when the node is not a part of the cluster.

OPTIONS

Shutdown

Use to turn off the current system and power off the appliance node.

Support > Storage Reset

Support > Storage Reset – Reset the appliance storage.

SYNOPSIS

Storage Reset

DESCRIPTION

Use the `Storage Reset` command to delete the data on the attached storage that is shared among the appliance nodes.

This command is available when the appliance node is in a factory install state. An appliance node is in a factory install state when it has not been configured.

Support > Test

Support > Test – Test the current status of the various appliance components.

SYNOPSIS

Test Hardware

Test Software

DESCRIPTION

The appliance runs a test at regular intervals to check the status of its components. This ability of the appliance is referred to as self test. Use the `Test` command to verify the current status of the various appliance components.

OPTIONS

Test Hardware

Use this command to view the enhanced hardware monitoring page that displays the status of various hardware components.

Test Software

Use this command to test the current status of the various appliance software components.

EXAMPLES

The following is an example of information that is displayed when you run the `Main > Support > Test Software` command.

```
abc-cluster_01.Support> Test Software
```

```
Starting self-test at Thu Jan 25 00:16:12 2018
```

```
Running validation tests on the host 'abc-cluster_01'.
```

Testing the database service ...	[PASS]
Testing the message queue service ...	[PASS]
Testing the required RPM package installation ...	[PASS]
Testing the serial number ...	[PASS]
Testing the SSH server and settings ...	[PASS]
Testing the web server service ...	[PASS]

Testing the LUNs ... [PASS]

Testing the S3 service ... [PASS]

Testing the Access services ... [PASS]

Validation tests are complete.

Appliance self-test result: PASS