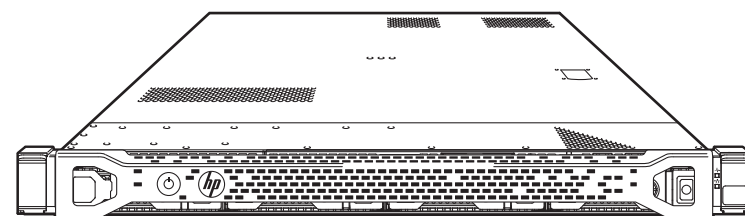


HP StoreOnce 2700 Backup



Start here



- The host is the network server that you wish to back up.
- The HP StoreOnce Backup system should be connected to Gigabit Ethernet. 100 Base-T Ethernet will limit performance.
- For more detailed information about installing, configuring and using the HP StoreOnce Backup system, see the *Installation and Configuration Guide* and the *User Guide* on the HP StoreOnce Backup CD-ROM.



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1 About your HP StoreOnce Backup system

The HP StoreOnce Backup system is a disk-based storage appliance for backing up host network servers or PCs to target devices on the appliance. These devices are configured as NAS Share, Virtual Tape Library or Catalyst Store targets for backup applications.

To find out which backup applications are compatible with HP StoreOnce functions go to www.hp.com/go/ebs.

TIP: To find out more about configuring and using NAS target devices, iSCSI virtual tape libraries and Catalyst Stores, see the *HP StoreOnce Backup system User Guide* on the CD-ROM.

2 IMPORTANT – Retrieve your license entitlement certificates (if purchased)

Licensing is used to enable optional product functionality, such as Replication, Catalyst or other future features. If you have purchased any of these features, you should activate the license as soon as possible.

Replication and Catalyst License Entitlement Certificates are supplied electronically when the product is purchased. The Entitlement Certificates are shipped in clearly marked card envelopes with your HP StoreOnce Backup system. These are valuable items so, to prevent them becoming lost, please ensure they are identified and put safely to one side during unpacking.

Entitlement certificates for iLO4 Advance Packs are also supplied with the HP StoreOnce Backup system.

It is strongly recommended that all licenses are redeemed as soon as possible. Go to the Webware site - webware.hp.com. For detailed information about activating licenses refer to the *HP StoreOnce Installation and Configuration Guide* on the StoreOnce CD.

3 Install the rack rails and unit(s)

The supplied rail kits allow you to install the HP StoreOnce Backup system into square and round hole racks for 1U and 2U servers. If mounting the server into threaded hole or telco racks, please see www.racksolutions.com to purchase mounting hardware.

Important Safety Information

Use extreme caution when installing and pulling the unit out from the rack; it can slip and fall, causing damage to the HP StoreOnce Backup system or injury. HP is not responsible for any damage or injury caused by the mishandling of the HP StoreOnce Backup system.

Always refer to the *Safety Guide* and the *Installation and Configuration Guide* on the HP StoreOnce Backup CD for detailed safety information.

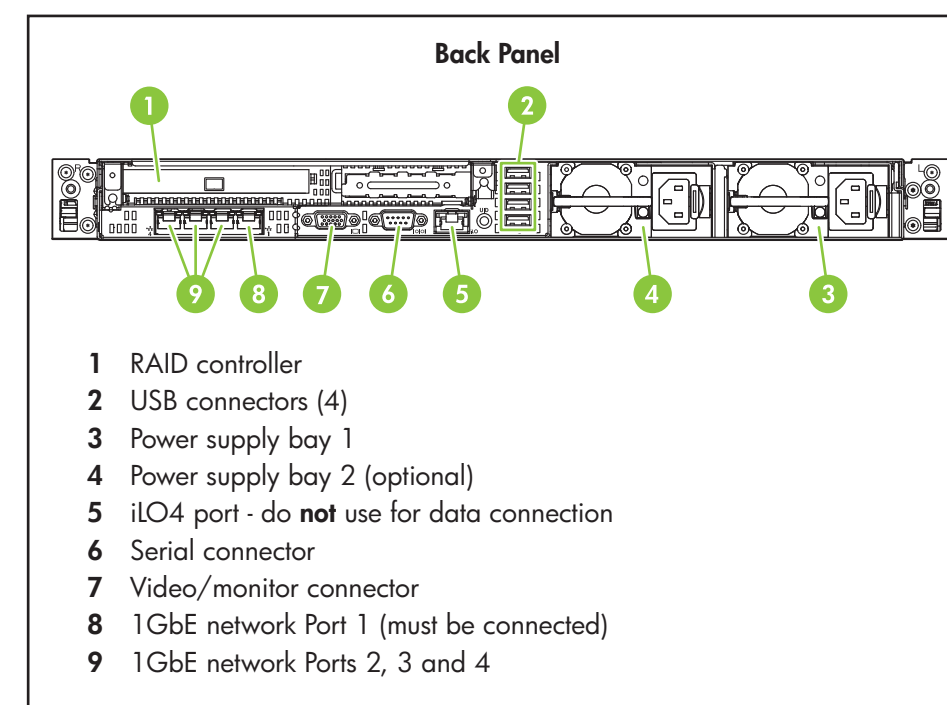
1. Install the rails in the rack, as required. Follow the instructions provided separately with the rail kits.
2. Slide the HP StoreOnce Backup system into position in the rack and secure it to the rack rails using thumbscrews on the front bezel.

NOTE: The label on the top of the HP StoreOnce Backup system contains useful identity information, such as the MAC address and default network name. Make a note of this information before you install the appliance in the rack. There is also a label with login information for the iLO4 management port. (There is also a pull-out strip in the front panel with the serial number and part ID.)

4 Connect the hardware

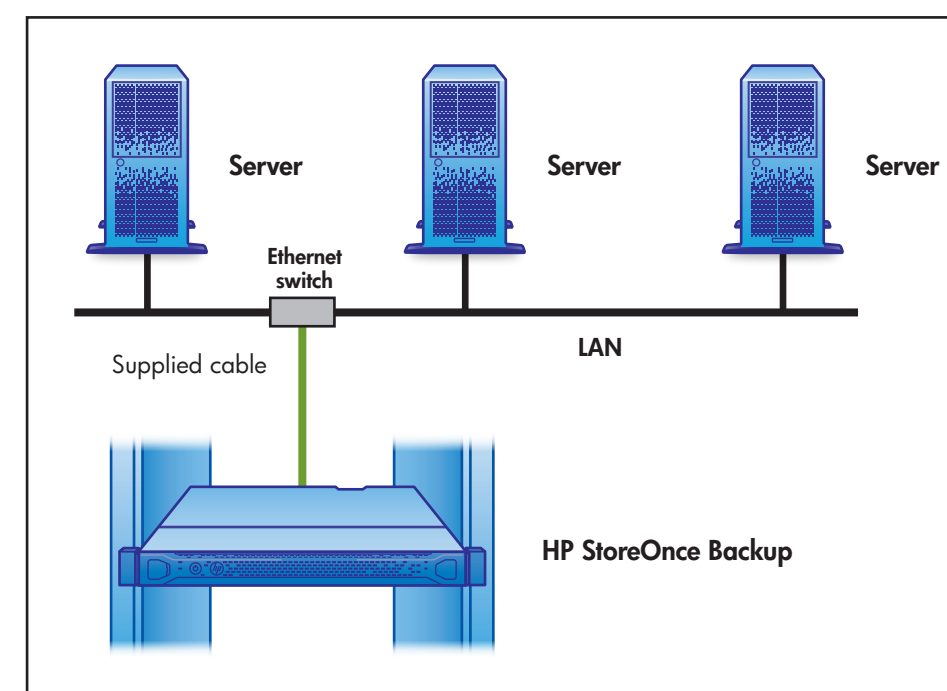
There are four physical 1GbE network ports on the rear of the unit, **Port 1**, **Port 2**, **Port 3** and **Port 4**; this allows the HP StoreOnce Backup system to be connected to separate networks and used to back up host devices on those networks. The network ports may be bonded in a number of combinations together to gain bandwidth and failover benefits when on a single network. Refer to the *HP StoreOnce Backup system Installation and Configuration guide* to find out more about network configurations and supported bonding modes.

Port 1 (the right-most port) must always be connected. If you are connecting to one network only, you must use Port 1.



1. Always use the supplied power cords to connect the HP StoreOnce Backup system to the mains power supply. If you have purchased the optional second power supply, be sure to connect both power cords. For detailed safety information, see the *Safety Guide* on the CD-ROM.
2. Use any CAT-5E or CAT-6 network cables (also supplied with the product).

If the network supports automatic DNS configuration, install the HP StoreOnce Backup system on the same sub-net as the host machine(s) that are to access the StoreOnce Management console.



Connect the hardware continues overleaf →



BB877-90901

Further information about networks

NOTE: The HP StoreOnce Backup system does **not** support the IPv6 protocol.

The physical network ports provide three network configuration modes.

- **Single Port Configuration:** The HP StoreOnce Backup system is connected to one network; only one network port is used (Port 1).
- **Multiple subnet Configuration:** The HP StoreOnce Backup system is connected to different networks. Two or more network ports are used.
- **High Availability (Bonded) Configuration:** Multiple network ports are used, but the ports are bonded to provide port failover. This mode can also provide load balancing across network ports.

The default network configuration is single port with DHCP enabled. This can be amended after installation using StoreOnce CLI net config commands.

If multiple subnet configuration is required, the networks must be on different sub-nets.

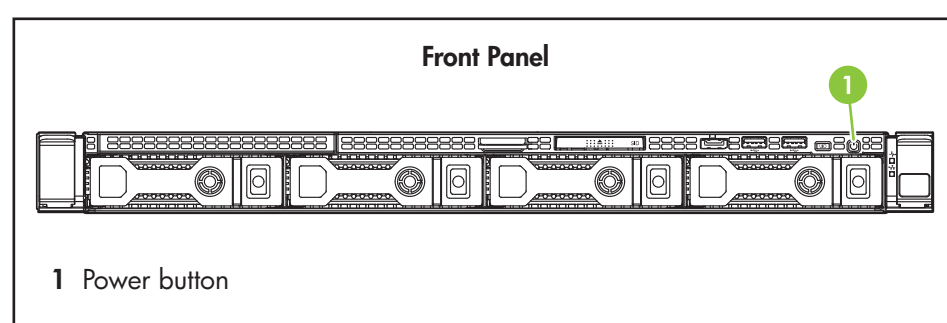
The High Availability mode is the recommended option, because it provides port failover, but bonded network ports must be connected to the same switch and the switch must support port bonding.

Three bonding modes are available: **Mode 1**, **Mode 4** and **Mode 6**. Take care to choose the network bonding mode appropriate for your network environment and switch capability.

For further information please refer to the *Installation and Configuration Guide* and the *HP StoreOnce CLI Reference Guide* on the CD.

5 Power On

1. Power on the HP StoreOnce Backup system (the power button is on the front of the unit).
2. As long as DHCP is enabled on the network, the appliance should now be accessible across the network. If it is not enabled, you must use StoreOnce CLI commands to configure the appliance on the network.



1 Power button

Power Off

To power off your HP StoreOnce Backup system always use the StoreOnce CLI commands, as described in the *HP StoreOnce CLI Reference Guide* on the HP StoreOnce Backup CD.

NOTE: When installing/replacing a hot-plug device, it is not necessary to power down the units.

6 Using the HP StoreOnce Backup system

User accounts and passwords

Two types of user account are set up automatically when the system is installed:

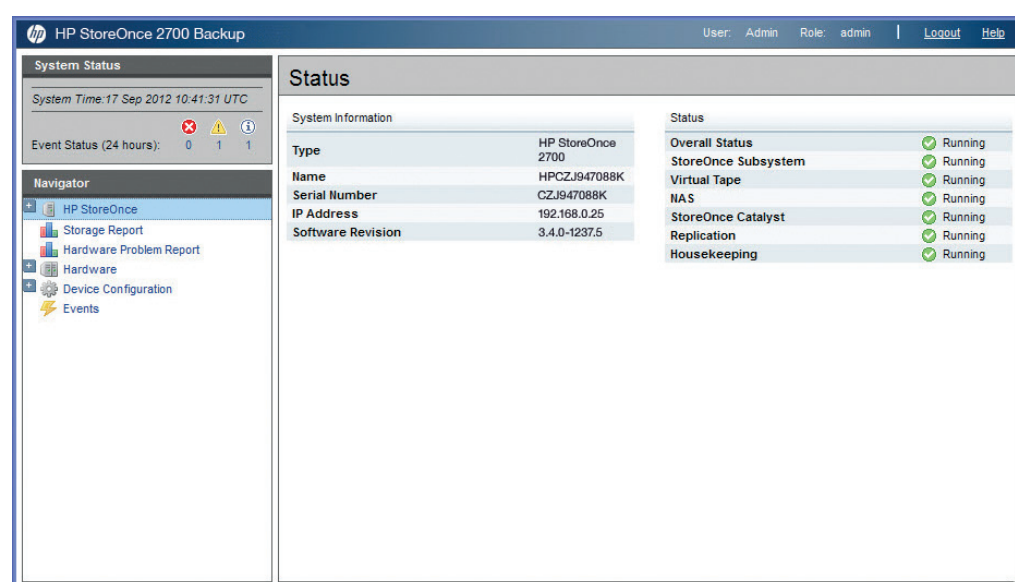
- **Administrator:** Allows authorized users to create and edit management and StoreOnce functions. They can also create and manage users. User name = **Admin**; password = **admin**.
- **Operator:** Provides limited access for monitoring and viewing. User name = **Operator**; password = **operator**.

Names and passwords are case sensitive.

Accessing the HP StoreOnce Backup system

The **StoreOnce CLI Management Console** is the main interface for:

- Monitoring the status and health of the HP StoreOnce Backup system and all configured backup devices
- Creating and modifying VTL and NAS StoreOnce backup targets and Catalyst stores
- Managing replication relationships and housekeeping



StoreOnce CLI Management Console

The StoreOnce Command Line Interface (CLI) provides an alternative way of administering and monitoring the system. Some tasks, such as network and storage configuration, can be carried out only from the StoreOnce CLI.

StoreOnce CLI commands must be run from an SSH terminal session and require an SSH client application (freely available from the internet) running on the management console.

See the *HP StoreOnce CLI Reference Guide* for more information.

Accessing the StoreOnce Web Management Console

If DHCP is enabled on your network, simply connect to the Web Management Console or StoreOnce CLI from any machine connected to the network using the default host name printed on the top of the appliance. Enter your user name and password.

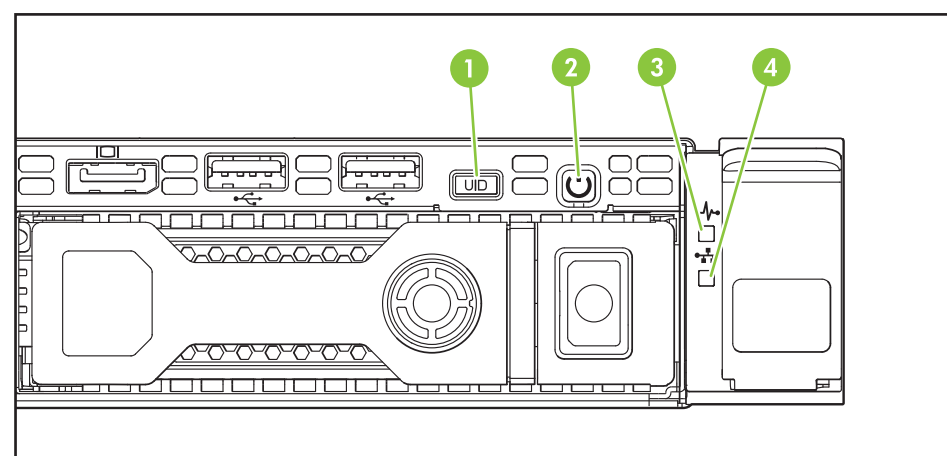
Web: `https: <ip_address> or <Fully_Qualified_Domain_Name>`

StoreOnce CLI: `ssh <username>@ <ip_address>`

If DHCP is not enabled on your network, connect a console to the monitor and keyboard ports on the rear of the appliance and log in to the StoreOnce CLI to configure the appliance on the network. See the *HP StoreOnce Installation and Configuration Guide* for more information.

NOTE: If you will be configuring Virtual Tape Library devices as backup targets, install all the required Tape drivers on backup servers and ensure the backup server is running software that supports HP Tape libraries. Tape drivers can be found on the StoreOnce Backup CD. Drivers are not needed for NAS Share and Catalyst Store backup targets.

Understanding the LEDs



| Item | Description | Status |
|------|-------------------|--|
| 1 | UID button LED | Off = deactivated Steady blue = active Flashing blue = remote management or firmware upgrade in progress |
| 2 | Power button LED | Off = no power connected Steady green = power connected, device ready for use Flashing green = performing power on sequence Steady amber = device switched off or in hibernation with power connected |
| 3 | System health LED | Steady green = normal operation Flashing amber = degraded condition Flashing red = critical condition |
| 4 | NIC status LED | Off = no network connection or network not configured Steady green = network connected Flashing green = network activity |

7 Troubleshooting and other sources of information

For troubleshooting information, refer to the guides on the HP StoreOnce Backup system CD. These guides also contain reference information about iSCSI and RAID. If you cannot resolve problems, contact HP Support at www.hp.com/support.

For the latest information about computer, OS and software compatibility, see www.hp.com/go/ebs.

The following documents are available:

- *HP StoreOnce Backup User Guide* (PDF): This guide describes how to use the Web Management Console. It is also available as online help.
- *HP StoreOnce CLI Reference Guide* (PDF): This guide describes the StoreOnce CLI commands and how to use them.
- *HP StoreOnce Backup Installation and Configuration Guide* (PDF): This guide describes how to install and carry out the initial configuration of your HP StoreOnce Backup system.
- *Linux and UNIX Configuration Guide* (PDF): This guide contains information about configuring and using HP StoreOnce Backup systems with Linux and UNIX.
- *StoreOnce Best Practices for VTL, NAS, StoreOnce Catalyst and Replication implementations*: This guide describes best practices and also include examples using different backup applications.

You can find these documents from the Manuals page of the HP Business Support Center website: <http://www.hp.com/support/manuals>.

In the Storage section, click Storage Solutions and then select your product.

