知 **【EVA】如何正确开关EVA 4400/6400/8400**

存储系统　**高阳**　2021-04-17 发表

问题描述

如何正确开关EVA 4400/6400/8400

1. Start HP P6000 Command View.

2. Select the appropriate storage system in the Navigation pane. The Initialized Storage System Properties window for the selected storage system opens.

3. Click Shut down. The Shutdown Options window opens.

4. Under System Shutdown click Power Down. If user want to delay the initiation of the shutdown, enter the number of minutes in the Shutdown delay field. The controllers complete an orderly shutdown and then power OFF. The disk enclosures then power OFF. Wait for the shutdown to complete.

5. Turn OFF the power to the rack power distribution units. Even though the disk enclosures are powered off in Step 4, unless the power on the rack distribution units are turned off, the I/O modules remain powered on in a standby state.

The shutdown process performs the following functions in the indicated order:

1. Flushes cache

2. Removes power from the controllers

3. Disables cache battery power

4. Removes power from the drive enclosures

5. Disconnects the system from HP P6000 Command View

For EVA 4400:

Shutting down the storage system from the array controller:

1. Push and hold the enclosure power button on the rear of the EVA4400.

2. Wait 4 seconds. The power button and the green LED start to blink.

NOTE: Must press and hold the power switch button for a minimum of 4 seconds. Otherwise, nothing will happen.

3. Between 4 and 10 seconds, release the button. The button continues to blink and the firmware starts the shutdown process (LED becomes solid amber, flushes the cache, and disables the batteries).

4. After 10 seconds, the power shuts down.

Starting the storage system (Power ON the array):

1. Verify that each Fibre Channel fabric switch connected to the HSV controllers is powered up and fully booted. The power indicator on each switch should be on. Must power up the SAN switches, wait for them to complete their power-on boot process before proceeding. This can take several minutes.

2. Power ON the circuit breakers on both EVA rack PDUs. Verify that all disk enclosures are operating properly. The status indicator and the power indicator should be ON (green).

3. Power ON the controller enclosure, which powers ON both controllers.

4. After allowing the EVA4400 to start, connect to the HP P6000 Control Panel to verify the display of the storage system name and WWN.

5. Start HP P6000 Command View and verify connection to the storage system. If the storage system is not visible, click HSV Storage Network in the navigation pane, and then click Discover in the Content pane to allow HP P6000 Command View to discover the array.

NOTE: If the storage system is still not visible, check zoning and cabling, and verify correct configuration of server connectivity. If necessary, reboot the management server to re-establish the communication link.

6. Check the storage system status using HP P6000 Command View to ensure everything is operating properly. If any status indicator is not normal, check the log files or contact your HP-authorized service provider for assistance.

For EVA 6400/8400:

Shutting down the storage system from the array controller:

1. Press and release the power button on the rear of the controller. The power LED turns amber and the shutdown process is complete.

2. To power down the shelf, ensure that the controllers have shut down, and then remove both power cables from all enclosures. Alternatively, user can power down the entire rack.

Starting the storage system (Power ON the array):

1. Verify that each fabric Fibre Channel switch to which the HSV controllers are connected is powered up and fully booted. The power indicator on each switch should be ON. If user power up the SAN switches, wait for them to complete their power-on boot process before proceeding. This may take several minutes.

2. Power on the circuit breakers on both EVA rack PDUs, which powers on the controller enclosures and disk enclosures. Verify that all enclosures are operating properly. The status indicator and the pow

er indicator should be on (green).

3. Wait three minutes and then verify that all disk drives are ready. The drive ready indicator and the drive online indicator should be on (green).

4. Verify that the Operator Control Panel (OCP) display on each controller displays the storage system name and the EVA WWN.