



Replacing a power supply on a FAS22xx system

Replacing a power supply involves turning off, disconnecting, and removing the old power supply. Installing a power supply involves installing, connecting, and turning on the replacement power supply. You must replace a power supply within two minutes of removal to prevent system shutdown due to disruption of airflow.

Before you begin

All other components in the system must be functioning properly; if not, you must contact technical support.

About this task

- The number of power supplies in the system depends on the FAS22xx model:
 - FAS2220 systems have two power supplies.
 - FAS2240-2 systems have two power supplies.
 - FAS2240-4 systems have four power supplies.
- The power supplies are redundant, and are hot-swappable and interchangeable. To prevent system downtime, you must replace only one power supply at a time.
- This procedure is written for replacing one power supply at a time.

Note: Power supplies are auto-ranging. See the *Site Requirements Guide* for more information.

Steps

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Removing a power supply

To remove a power supply, you must perform a specific sequence of steps.

Steps

1. Identify the power supply you want to replace, based on console error messages or through the LEDs on the power supplies. See the *Hardware Platform Monitoring Guide* for a description of LED behaviors.
2. If you are not already grounded, properly ground yourself.
3. Turn off the failed power supply and disconnect the power cables:
 - a) Turn off the power switch on the failed power supply.
 - b) Open the power cord retainer and unplug the power cord from the power supply.
 - c) Unplug the power cord from the power source.
4. Squeeze the latch on the cam handle until it releases, then open the cam handle fully to release the power supply from the midplane.

If you have a FAS2240-2 system, a plastic flap within the now empty slot is released to cover the opening and maintain air flow and cooling.

5. Use the cam handle to slide the power supply out of the system.

Attention: When removing a power supply, always use two hands to support its weight.

Installing a power supply

To install a power supply, you must perform a specific sequence of steps.

Steps

1. If you are not already grounded, properly ground yourself.
2. With the cam handle in the open position, insert the replacement power supply into the system, firmly pushing until the power supply engages the midplane.
Attention: Do not use excessive force when sliding the power supply into the system; you can damage the connector.
3. Close the cam handle so that the latch clicks into the locked position and the power supply is fully seated.
4. Reconnect the power supply cabling:
 - a) Reconnect the power cord to the power supply and the power source.
 - b) Secure the power cord to the power supply using the power cord retainer.
5. Turn on the power to the new power supply and verify the operation of the power supply LEDs.

Completing the replacement process

After you replace the part, you can return the failed part to NetApp, as described in the RMA instructions shipped with the kit. Contact technical support at support.netapp.com, 888-463-8277 (North America), 00-800-44-638277 (Europe), or +800-800-80-800 (Asia/Pacific) if you need the RMA number or additional help with the replacement procedure.

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You can also contact us in the following ways:

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