Hot-swapping the power supply

Hot-swapping a power supply involves turning off, disconnecting, and removing the old power supply and installing, connecting, and turning on the replacement power supply.

Before you begin

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

About this task

- The power supplies are redundant and hot-swappable.

- This procedure is written for replacing one power supply at a time.

    Note: Cooling is integrated with the power supply, so you must replace the power supply within two minutes of removal to prevent overheating due to reduced airflow. Because the chassis provides a shared cooling configuration for the two HA nodes, a delay longer than two minutes will shut down all controllers in the chassis. If both controllers do shut down, make sure that both power supplies are inserted, turn them both off for 30 seconds, and then turn them both on.

- The number of power supplies in the system depends on the FAS25xx model:

    ◦ FAS2520 systems have two power supplies.

    ◦ FAS2552 systems have two power supplies.

    ◦ FAS2554 systems have four power supplies.

    Note: Power supplies are auto-ranging.

Steps

1. Removing a power supply on page 1
2. Installing a power supply on page 2
3. Completing the replacement process on page 2

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.

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

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

Installing a power supply

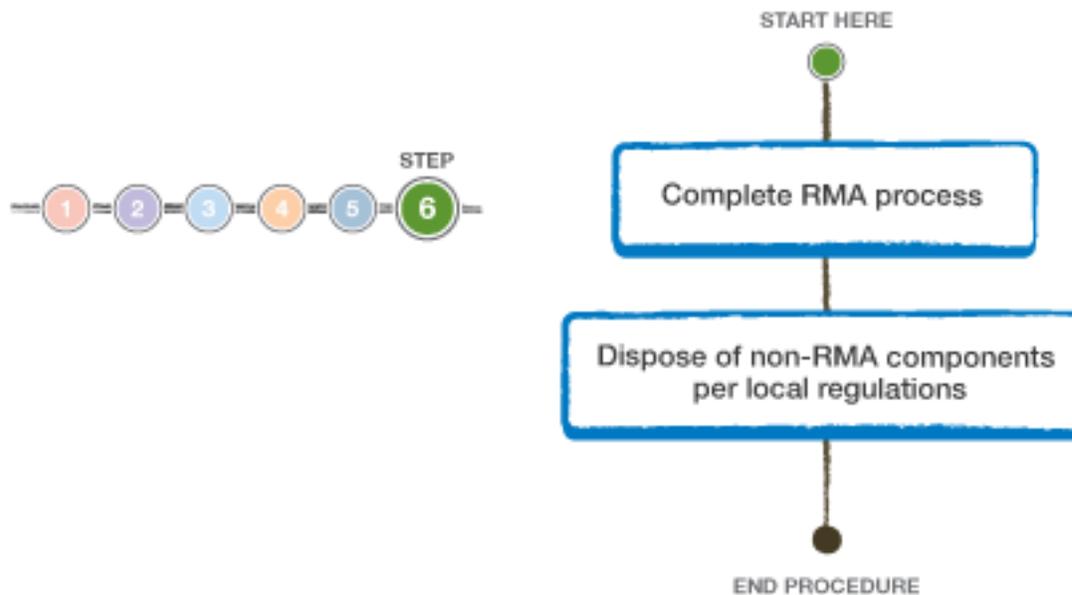To install a power supply, you must perform a specific sequence of steps.

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 the NetApp Support Site, 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.

START HERE

STEP

① ② ③ ④ ⑤ **6**

Complete RMA process

Dispose of non-RMA components
per local regulations

END PROCEDURE

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