NetApp

Replace a power supply - FAS500f

ONTAP Systems

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Table of Contents

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Replacing a power supply involves disconnecting the target power supply (PSU) from the power source, unplugging the power cable, removing the old PSU and installing the replacement PSU, and then reconnecting it to the power source.

- The power supplies are redundant and hot-swappable.
- This procedure is written for replacing one power supply at a time.

> ⓘ   It is a best practice to replace the power supply within two minutes of removing it from the chassis. The system continues to function, but ONTAP sends messages to the console about the degraded power supply until the power supply is replaced.
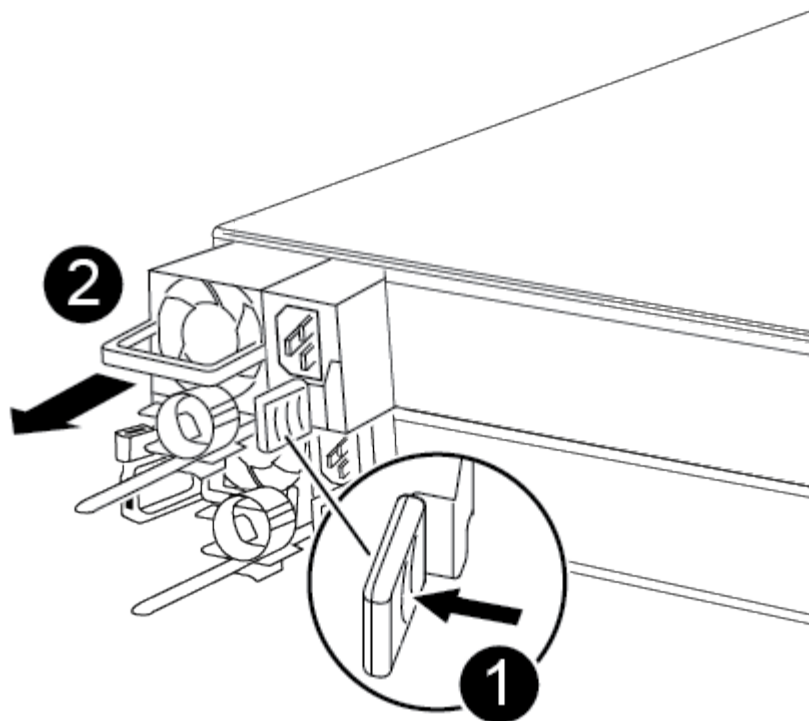
You can use the following video or the tabulated steps to replace the power supply:

[Replacing the power supply](#)

1. If you are not already grounded, properly ground yourself.
2. Identify the power supply you want to replace, based on console error messages or through the red Fault LED on the power supply.
3. Disconnect the power supply:
   a. Open the power cable retainer, and then unplug the power cable from the power supply.
   b. Unplug the power cable from the power source.
4. Rotate the cam handle such that it can be used to pull power supply out of the controller module while pressing the locking tab.

> ⚠   The power supply is short. Always use two hands to support it when removing it from the controller module so that it does not suddenly swing free from the controller module and injure you.

❶	Blue power supply locking tab
❷	Power supply

5. Using both hands, support and align the edges of the power supply with the opening in the controller module, and then gently push the power supply into the controller module until the locking tab clicks into place.

   The power supplies will only properly engage with the internal connector and lock in place one way.

   > ⓘ To avoid damaging the internal connector, do not use excessive force when sliding the power supply into the system.

6. Reconnect the power supply cabling:

   a. Reconnect the power cable to the power supply and the power source.

   b. Secure the power cable to the power supply using the power cable retainer.

   Once power is restored to the power supply, the status LED should be green.

7. 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 NetApp Support, 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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