Quantum DXi6802 and DXi690x: Power Supply Replacement

Follow the steps in this document to replace a failed power supply in the DXi6802 or DXi690x:

- Replacing a DXi6802 or DXi690x Node Power Supply on page 2

- Replacing a DXi6802 or DXi690x Array or Expansion Module Power Supply on page 4

Note: DXi6802 and DXi690x use redundant, hot-swappable power supplies. You do not need to shut down the system to remove and replace a power supply.
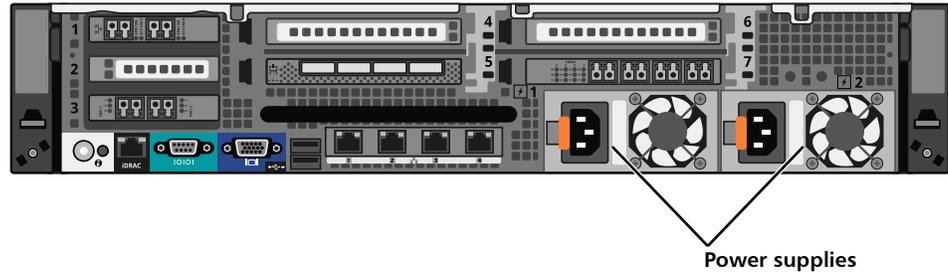

Caution: Use appropriate ESD precautions, including the use of a grounding strap, when performing this procedure.

Replacing a DXi6802 or DXi690x Node Power Supply

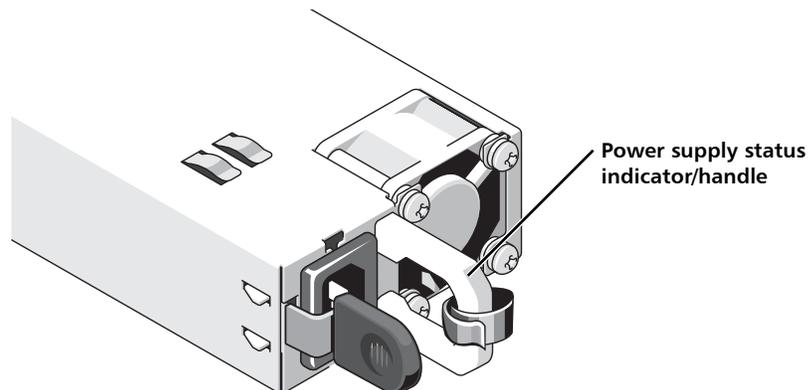The DXi6802 or DXi690x Node contains two power supplies located on the back of the chassis (see Figure 1).

Figure 1 Node Power Supplies

Power supplies

To remove and replace the DXi6802 or DXi690x Node power supply:

1 Use the indicator LED on the power supply to identify the failed power supply (see Figure 2). The LED indicator on the failed power supply will be flashing amber.
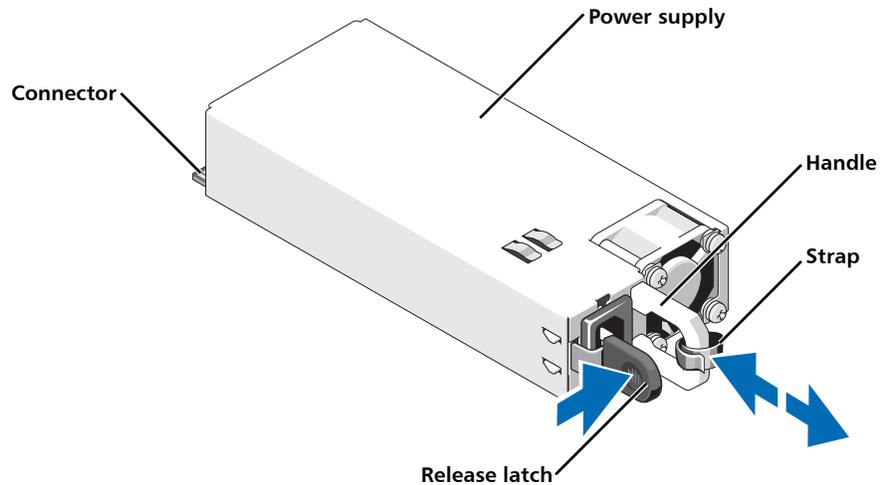
Figure 2 Node Power Supply LED Indicator

Power supply status indicator/handle

2 Disconnect the power cable from the power source and the failed power supply.

> **Caution:** Make sure to remove the failed power supply (amber or dark LED handle) and not the functioning power supply (green LED handle). If you remove the functioning power supply, power will be lost to the Node, and data loss may occur.

3 Remove the power cable from the strap (see Figure 3).

Figure 3 Removing and Installing a Node Power Supply

Power supply

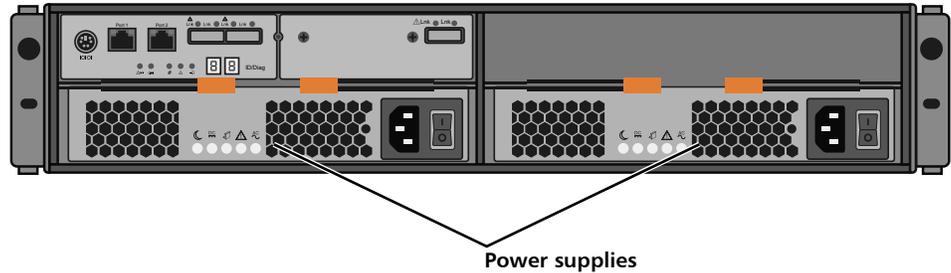**Connector**

Handle

Strap

Release latch

4 Press the release latch and slide the power supply out of the chassis.

5 Slide the new power supply into the chassis until the power supply is fully seated and the release latch snaps into place.

6 Connect the power cable to the power supply and plug the cable into a power outlet.

7 Secure the power cable with the strap.

Allow several seconds for the system to recognize the power supply and determine its status. The power supply status indicator turns green to signify that the power supply is functioning properly.

Replacing a DXi6802 or DXi690x Array or Expansion Module Power Supply

The DXi6802 or DXi690x Array Modules and Expansion Modules each contains two hot-swappable power supplies located on the back of the chassis (see Figure 4).
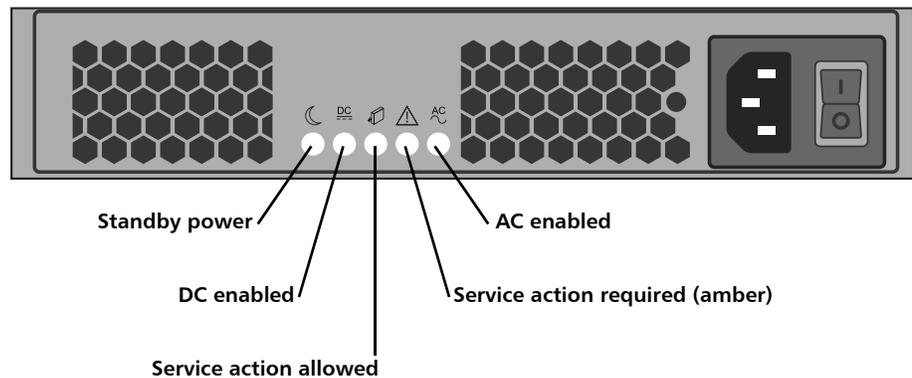
Figure 4 Array and Expansion Module Power Supplies

Power supplies

To remove and replace the DXi6802 or DXi690x Array or Expansion Module power supply:

1   Use the indicator LEDs on the power supply to identify the failed power supply (see Figure 5). The Service action required indicator on the failed power supply will be solid amber.
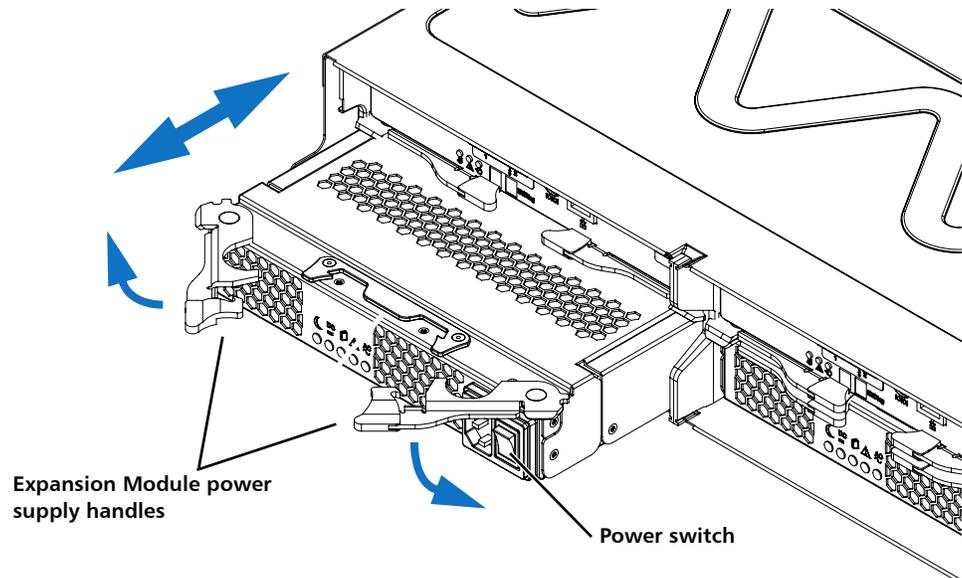
Figure 5 Array and Expansion Module Power Supply LEDs

Standby power   **AC enabled**

DC enabled   **Service action required (amber)**

Service action allowed

2   Disconnect the power cable from the power source and the failed power supply.

Caution: Make sure to remove the failed power supply (service action LED is amber) and not the functioning power supply (AC enabled LED is green). If you remove the functioning power supply, power will be lost to the Array or Expansion Module, and data loss may occur.

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3   Pull the handles out and toward the sides of the power supply (see Figure 6).

Figure 6 Removing and Installing an Array or Expansion Module Power Supply

**Expansion Module power
supply handles**

Power switch

4 Slide the power supply out of the chassis.

5 Make sure that the power switch on the new supply is in the off position.

> **WARNING:** To avoid electrical shock, make sure the power cord is disconnected from the new power supply and the power switch is off before inserting into the Array or Expansion Module chassis.

6 Slide the replacement power supply into the chassis until the power supply snaps into place, and push the handles into the closed position.

7 Connect the power cable to the power supply and plug the cable into a power outlet.

8 Turn on the power switch.

Allow up to a minute for the system to recognize the power supply and determine its status. The AC enabled LED turns green to signify that the power supply is functioning properly.

Replacing a DXi6802 or DXi690x Array or Expansion Module Power Supply