Cable shelves

E-Series storage systems

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Cable shelves

Connect the power cables - E4012

Learn how to attach the power cables and power on the drive shelves.

Before you begin

- Install your hardware.
- Take anti-static precautions.

This procedure applies to IOM12, IOM12B, and IOM12C drive shelves.

Steps

1. Cable the shelves.

   Cable the system according to your configuration.

   If you need more cabling options than the examples provided below, see Cabling.

   You need the following cables:

	SAS cables

   a. **Example A: An E4000 controller shelf with three DE212C/DE224C disk shelves in a standard SAS configuration**
      i. Cable controller A to IOM A of the first drive shelf.
      ii. Cable IOM A of the first drive shelf to IOM A of the second drive shelf.
      iii. Cable IOM A of the second drive shelf to IOM A of the third drive shelf.
      iv. Cable controller B to IOM B of the third drive shelf.
      v. Cable IOM B of the second drive shelf to IOM B of the third drive shelf.
      vi. Cable IOM B of the first drive shelf to IOM B of the second drive shelf.
   b. **Example B: An E4000 controller shelf with one DE212C/DE224C disk shelf in a standard SAS configuration**
      i. Cable controller A to IOM A.
      ii. Cable controller B to IOM B.
2. Power the drive shelves.

   You need the following cables:

	Power cables

Confirm the drive shelf power switches are off.

a. Connect the two power cables for each shelf to different power distribution units (PDUs) in the cabinet or rack.

b. If you have drive shelves, turn on their two power switches first. Wait 2 minutes before applying power to the controller shelf.

c. Turn on the two power switches on the controller shelf.

Connect the power cables - E4060

Learn how to attach the power cables and power on the drive shelves.

Before you begin

- Install your hardware.
- Take anti-static precautions.

This procedure applies to IOM12, IOM12B, and IOM12C drive shelves.

Steps

1. Cable the shelves.

   Cable the system according to your configuration.

   If you need more cabling options than the examples provided below, see Cabling.

   You need the following cables:

	SAS cables

   a. **Example A: An E4060 controller shelf with two DE460C disk shelves in a standard SAS configuration**

      i. Cable controller A to IOM A of the first drive shelf.

      ii. Cable IOM A of the first drive shelf to IOM A of the second drive shelf.

      iii. Cable IOM B of the first drive shelf to IOM B of the second drive shelf.

      iv. Cable controller B to IOM B of the second drive shelf.

   b. **Example B: An E4060 controller shelf with one DE460C disk shelf in a standard SAS configuration**

i. Cable controller A to IOM A.

ii. Cable controller B to IOM B.

2. Power the drive shelves.

You need the following cables:

	Power cables

Confirm the drive shelf power switches are off.

a. Connect the two power cables for each shelf to different power distribution units (PDUs) in the cabinet or rack.

b. If you have drive shelves, turn on their two power switches first. Wait 2 minutes before applying power to the controller shelf.

c. Turn on the two power switches on the controller shelf.

d. Check the LEDs on each controller.

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