



Adding IOM Drive Shelves to an Existing E27XX, E56XX, or EF560 Controller Shelf

You can add an IOM Drive Shelf to an existing E27XX, E56XX or EF560 controller shelf.

Before you begin

Although the DE1600, DE5600, and DE6600 drive shelves have reached end of availability (EOA), you can still add one or more IOM (12Gb) drive shelves to an existing SAS-2 system. This expansion capability includes adding to just a controller shelf or to a controller shelf with pre-existing drive shelves.

This information applies to the following hardware models:

- SAS-2 controller shelves (EOA)
 - E2712, E2724, E2760
 - E5612, E5624, E5660
 - EF560
- ESM (SAS-2 6Gb) drive shelves (EOA)
 - DE1600, DE5600, DE6600
- IOM (SAS-3, 12 Gb) drive shelves
 - DE212C, DE224C, DE460C

About this task

The following diagrams show 12-drive or 24-drive controller shelves. In 60-drive shelves, controller A and controller B (or ESM/IOM B) are stacked on top of each rather than side-by-side. But the cabling connections remain the same.

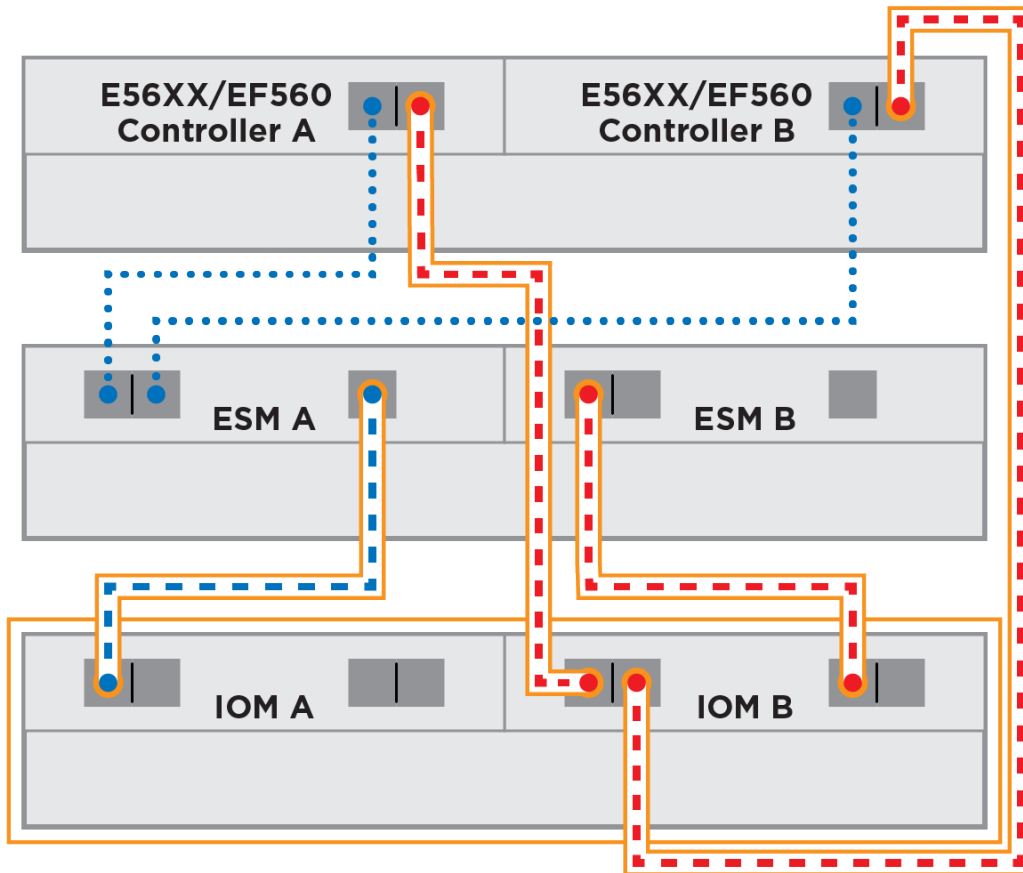
The following key explains the lines used in the diagrams:

- **Solid lines:** Mini-SAS HD to mini-SAS HD
- **Dashed lines:** HD to mini-SAS cables
- **Dotted lines:** Mini-SAS cables
- **Orange lines:** New component

Adding an IOM shelf to an E56XX/EF560 controller shelf with a single stack SAS-2 drive shelves

About this task

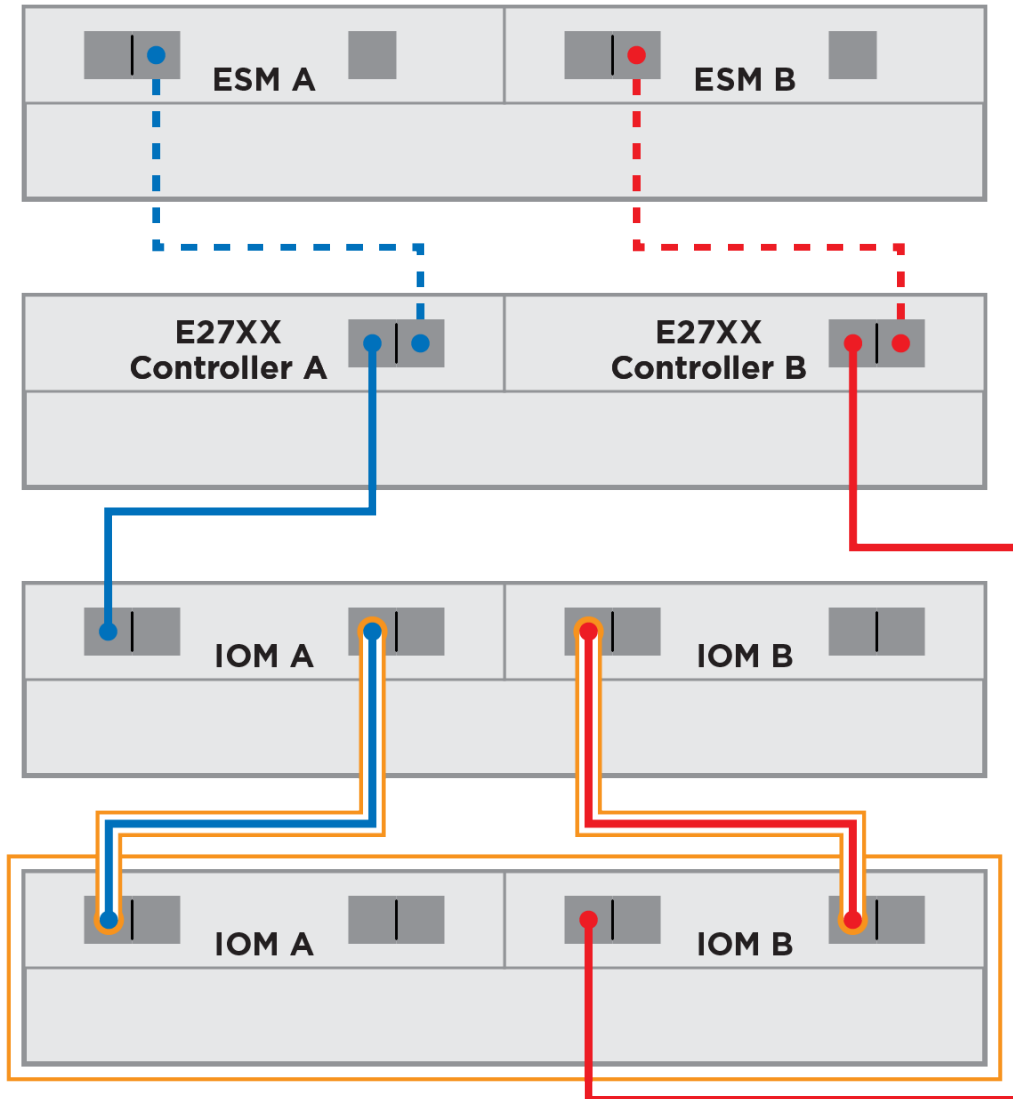
Adding an IOM shelf to an E56XX/EF560 controller shelf with a single stack of SAS-2 drive shelves.



Adding an IOM shelf to an E27XX controller shelf with a dual stack configuration of SAS-3 and SAS-2 drive shelves

About this task

Adding an IOM shelf to an E27XX controller shelf with a dual stack configuration of SAS-3 and SAS-2 drive shelves.



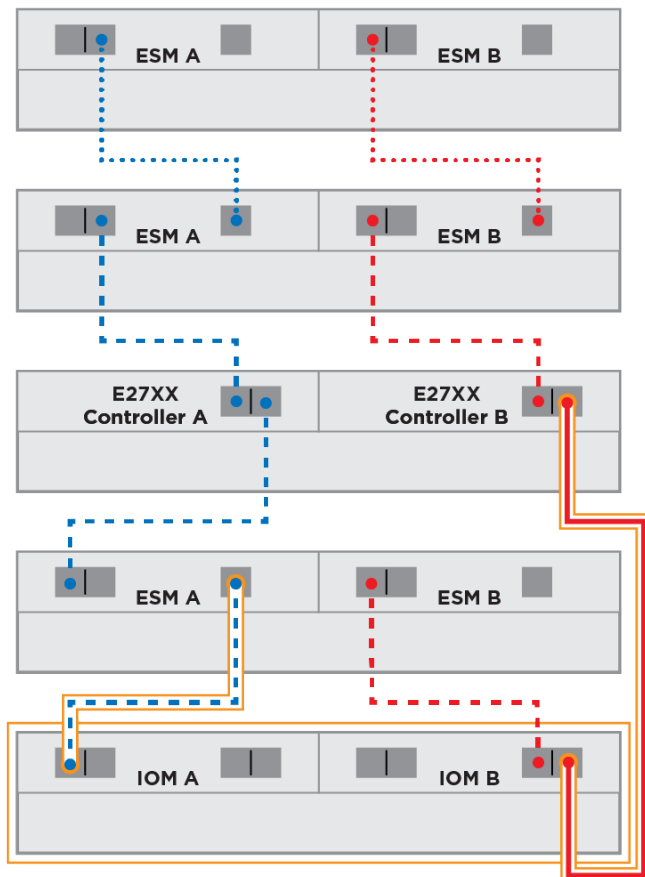
Adding an IOM (SAS-3) shelf to an E27XX controller shelf with a dual stack configuration of all ESM (SAS-2) shelves

About this task

Adding an IOM (SAS-3) shelf to an E27XX controller shelf with a dual stack configuration of all ESM (SAS-2) shelves. If you already have a dual stack of SAS-2 drive shelves behind your E2700 controller shelf, just add the SAS-3 drive shelves to one stack or the other. You do not need to reconfigure your system to have SAS-2 drive shelves and SAS-3 drive shelves in separate stacks.

If the current system already has a dual-stack configuration:

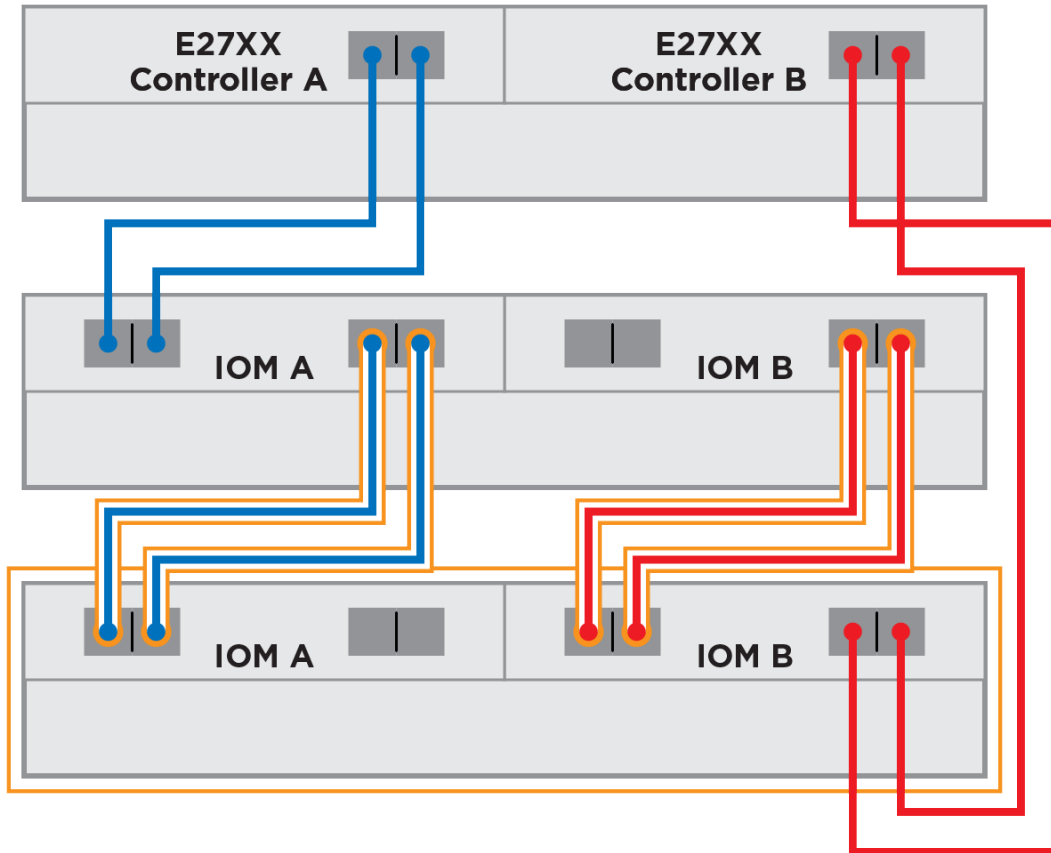
- If current dual-stack configuration has both ESM and IOM expansion enclosures, connect the new IOM enclosure to the existing enclosure stack.
- If current dual-stack configuration is all ESM expansion enclosures, you can either have the customer reconfigure the existing ESM enclosures to a single stack (requires downtime) and then add the new IOM enclosure as a new stack, or, for ease of installation, just go ahead and add the new IOM enclosure to either existing ESM stack.



Adding an IOM (SAS-3) shelf to an E27XX controller shelf with a single stack of IOM drive shelves

About this task

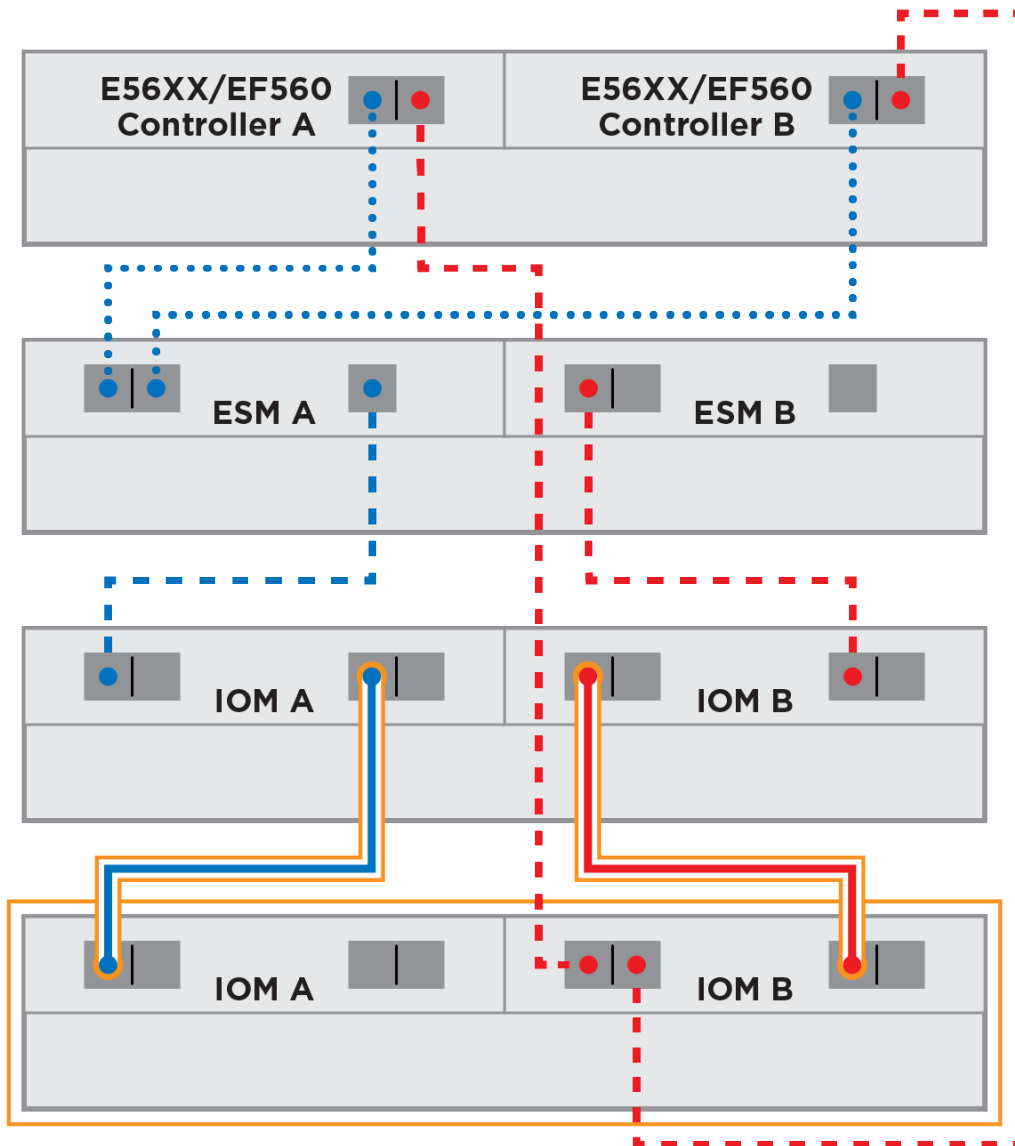
Adding an IOM (SAS-3) shelf to an E27XX controller shelf with a single stack of IOM drive shelves.



Adding an IOM shelf to an E56XX/EF560 controller shelf with a single stack of SAS-2 and SAS-3 drive shelves

About this task

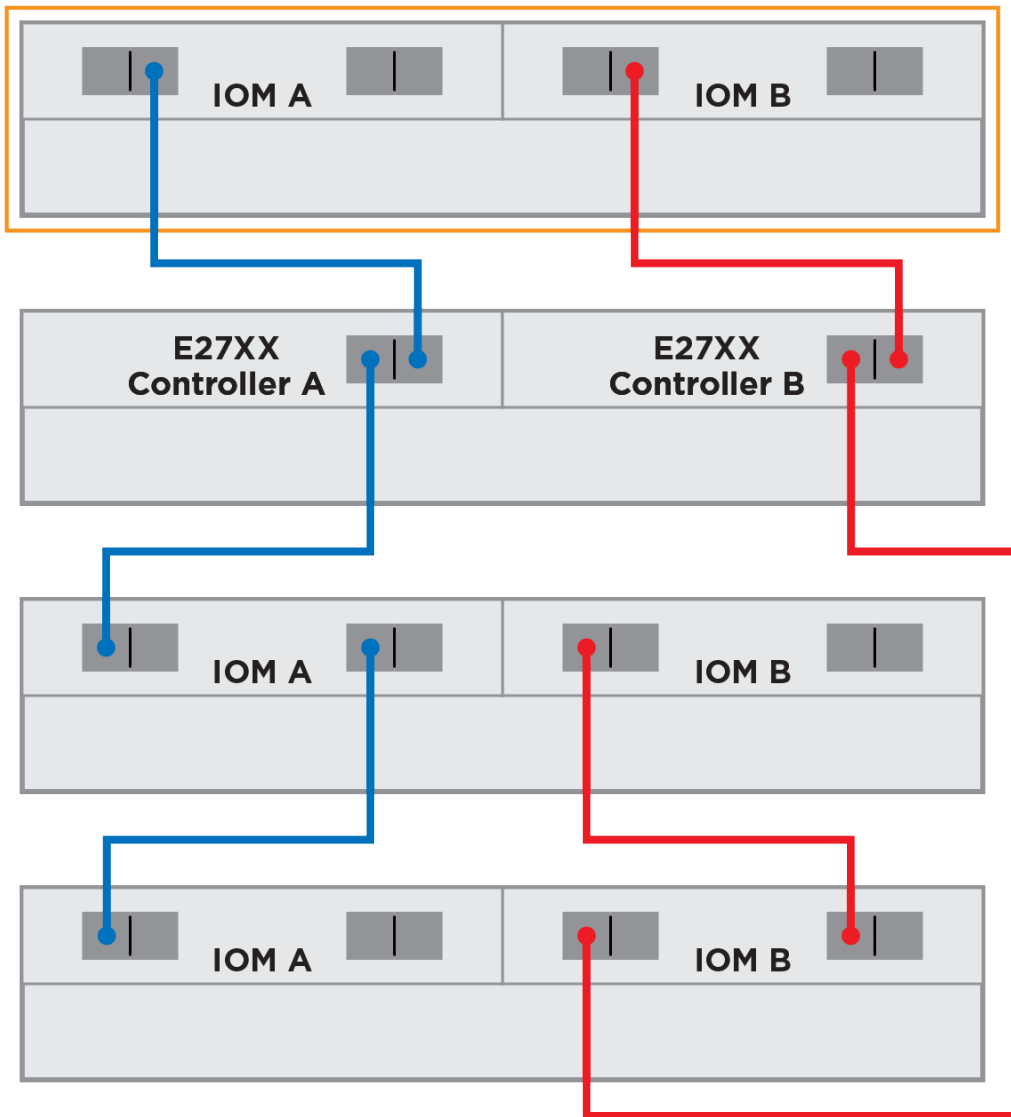
Adding an IOM shelf to an E56XX/EF560 controller shelf with a single stack of SAS-2 and SAS-3 drive shelves.



Adding an IOM shelf to an E27XX controller shelf with a single stack of SAS-3 drive shelves

About this task

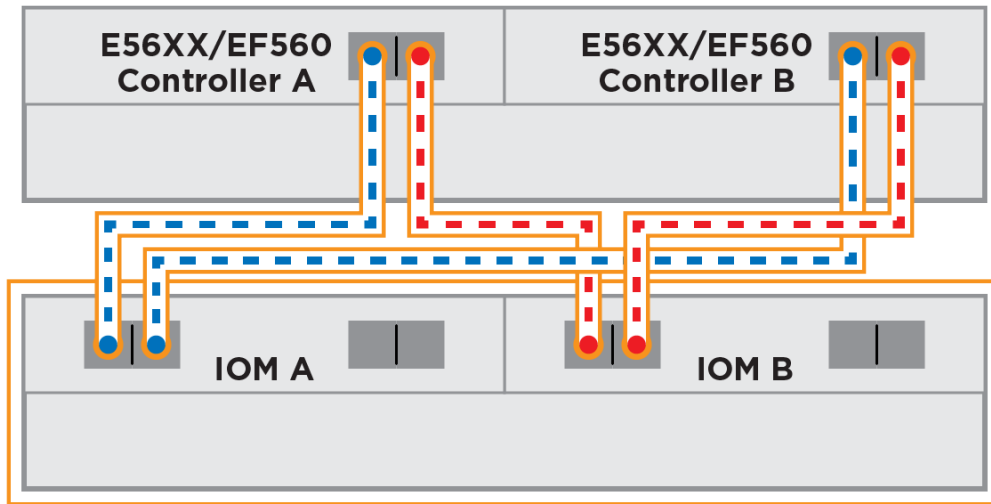
Adding an IOM shelf to an E27XX controller shelf with a single stack of SAS-3 drive shelves.



Adding an IOM shelf to an E57XX or EF560 controller shelf

About this task

Adding an IOM shelf to an E57XX or EF560 controller shelf.



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