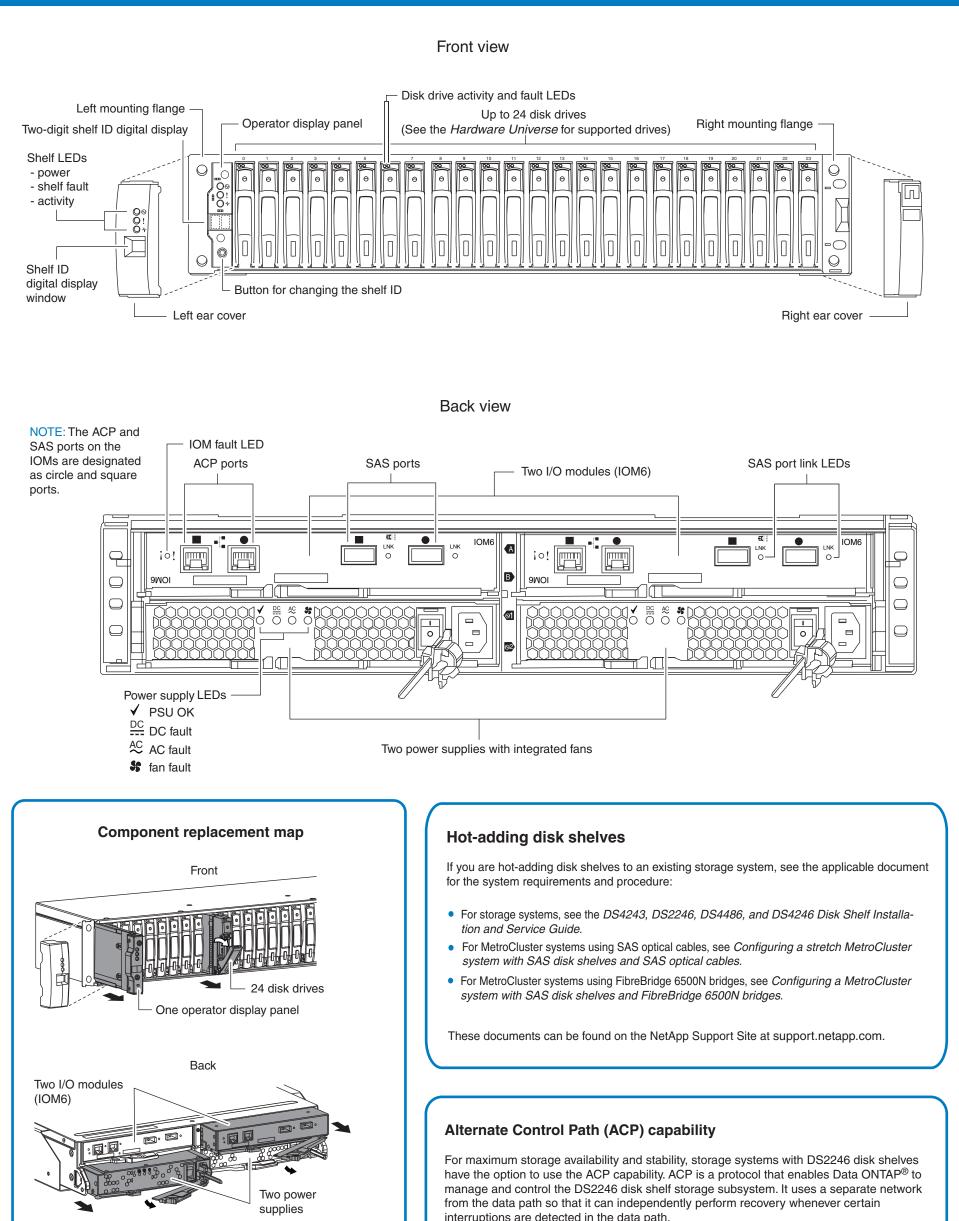


DS2246 Disk Shelf Overview



- Replacing the operator display panel requires you to halt your system.
- IOMs are hot-swappable in HA pair configurations (not singlecontroller single-path configurations).
- Power supplies and disk drives are hot-swappable. (Replace the power supply within two minutes of removal to minimize disruption to the disk shelf's airflow.)

For component and shelf replacement instructions, LED behavior, and SES error messages, see the DS4243, DS2246, DS4486, and DS4246 Disk Shelf Installation and Service Guide.

interruptions are detected in the data path.

To use the ACP capability, you must cable the ACP ports on the disk shelves and connect the disk shelves to the dedicated network interface on each storage system controller. At system setup, you enable ACP functionality by configuring ACP parameters. If your storage system does not have a dedicated onboard network interface for ACP, you assign one at system setup.

Standard ACP cabling rules apply to all storage systems and can be found in the DS2246 Installation and Service Guide. ACP functionality, configuration, and enabling information can be found in the Data ONTAP Storage Management Guide.

Note: If at initial storage system setup you choose not to use the ACP capability, you can use it later by cabling the ACP connections and enabling ACP by running setup again.



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DS2246 Disk Shelf Installation and Setup

System requirements

For the most current information about supported Data ONTAP releases, platforms, SAS disk shelves, disk drives, and SAS cables, see the Hardware Universe on the NetApp Support Site at support.netapp.com.

Ground yourself

Ground yourself to the storage system chassis using the grounding leash that came with your storage system. Note: You do not need to ground DS2246 disk shelves; grounding is done through the power cords.

Documentation

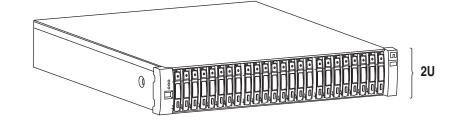
For more disk shelf and safety information, see the DS4243, DS2246, DS4486, and DS4246 Disk Shelf Installation and Service Guide.

All documentation can be found on the NetApp Support Site at support.netapp.com.

Install the disk shelf in a rack

If the DS2246 disk shelf did not come in a system cabinet, you must install it in an equipment rack using the four-post rail kit or the two-post telco tray kit that came with your disk shelf.

See the rack installation flyer that came with the rack kit for detailed instructions.



Note: If you are installing the DS2246 disk shelf in a two-post mid-mount installation, you must use the mid-mount telco kit, which includes brackets, in addition to the two-post telco tray kit.



To reduce the weight of the disk shelf, remove the power supplies and IOMs before lifting.

Set disk shelf IDs

- Connect power cords to the disk shelf, and then turn on the power to the disk shelf. Note: Connect power supplies to different power sources for resiliency.
- 2. Visually verify that the ID for each disk shelf is unique, and if not, set the
- disk shelf ID:
- a. Remove the left ear cover.
- b. Press and hold the shelf ID button until the first digit blinks.
- c. Press the button until the correct number is displayed.
- d. Repeat steps b and c for the second digit.
- e. Press and hold the button until the second number stops blinking. Result: Both numbers blink and the operator display panel fault LED illuminates in about five seconds.
- f. Power-cycle the disk shelf to make the new disk shelf ID take effect.

For the detailed procedure, see the DS4243, DS2246, DS4486, and DS4246 Disk Shelf Installation and Service Guide.



internal shelf ID preset to 00.

Note: A unique shelf ID is required for each SAS shelf within the entire storage system. If your storage system has SAS and FC shelves, shelf IDs do not need to be unique between the SAS and FC shelves. (FC shelf IDs continue to be unique within each FC loop. SAS shelf IDs continue to be unique to all other SAS shelves in the storage system, including internal shelf IDs for FAS20xx and FAS22xx systems.)

Note: To cable MetroCluster systems with SAS optical cables or

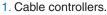
and FibreBridge 6500N bridges.

FibreBridge 6500N bridges, see the applicable guide: Configuring a stretch MetroCluster system with SAS disk shelves and SAS optical

cables or Configuring a MetroCluster system with SAS disk shelves

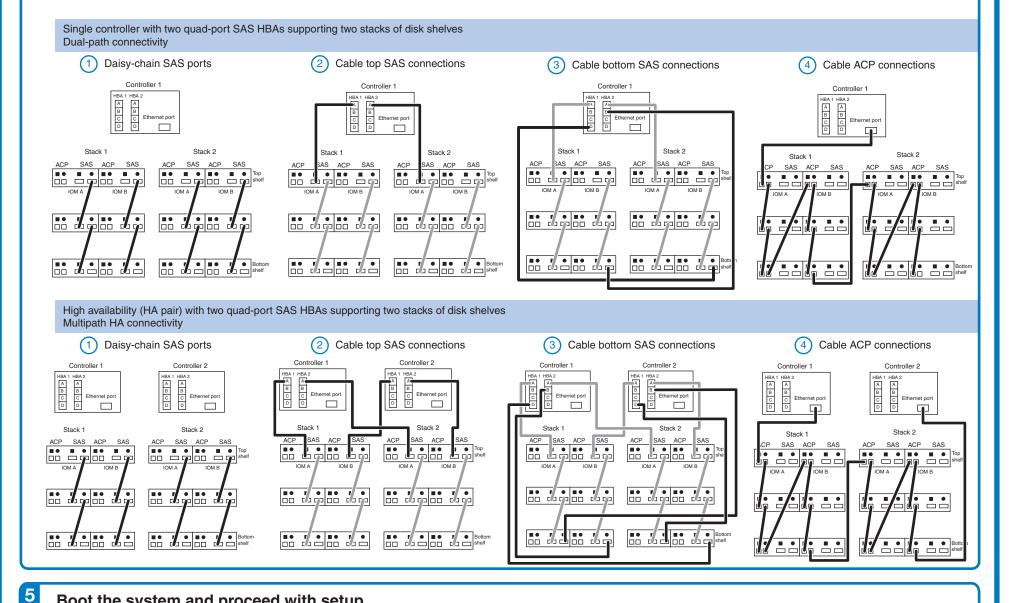
Cable the system

If you are using HBAs, they must already be installed in the storage system.



See the documentation that came with your storage system for how to cable the controllers. 2. Cable disk shelves.

Following are steps to cable two common configurations. For SAS and ACP rules, and more cabling examples, see the Universal SAS and ACP Cabling Guide.



Boot the system and proceed with setup

- See the Installation and Setup Instructions that came with your storage system for booting your storage system and for system setup.

- To take advantage of the ACP capability, you can enable it at setup or later. See the Data ONTAP Software Setup Guide for the setup worksheet and other setup information.

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