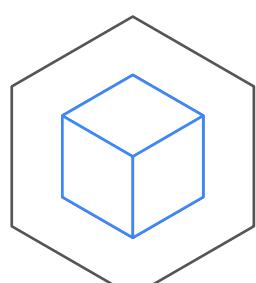


EF-Series EF300 and EF600

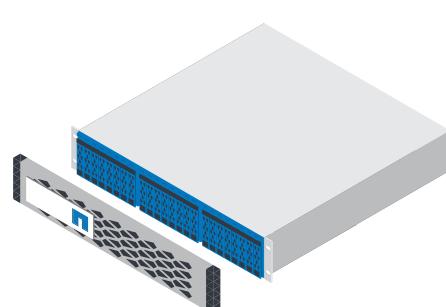
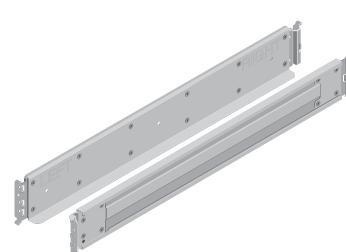
Installation and Setup Instructions

1 | Prepare for Installation

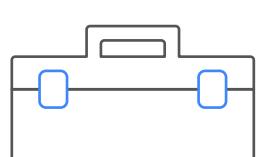
- Create an account and register your hardware at mysupport.netapp.com.
- Inventory cables and make note of the quantity.



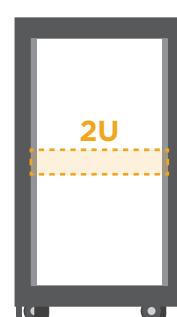
In the box

Shelf with drives installed
(Bezel and end caps
packaged separately)

Rackmount hardware

Ethernet cables
if orderedPower cables
two for each shelf
if orderedI/O cables
if ordered

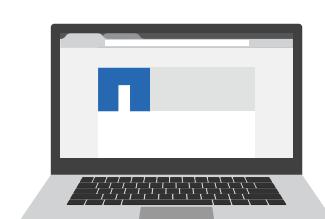
You provide

Phillips #2 screwdriver,
flashlight, and ESD strap

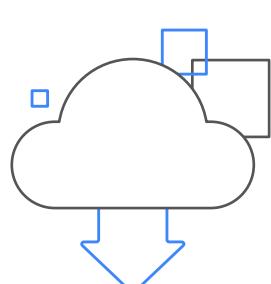
2U rack space

A standard 19 in. (48.30 cm)
rack to fit 2U shelves of the
following dimensions:

Shelf: 24-drive
Height: 3.34 in. (8.48 cm)
Width: 17.6 in. (44.7 cm)
Depth: 19.0 in. (48.3 cm)
Max Weight: 60.5 lb (27.4 kg)



A supported browser
for the management
software



Resources

**Cabling Guide**

docs.netapp.com/ess-11/topic/com.netapp.doc.e-hw-cabling/home.html

**Hardware Universe**

hwu.netapp.com

**NetApp Interoperability Matrix**

mysupport.netapp.com/matrix

**E-Series Documentation Center**

<http://docs.netapp.com/ess-11/index.jsp>

210-06791+BO

2 | Install Hardware

When handling hardware, wear an ESD wristband or take appropriate anti-static precautions.

1 Before you begin

- You have registered your hardware at mysupport.netapp.com
- You have prepared a flat, static-free work area.
- You have taken anti-static precautions.

2 Unpack the hardware

- Unpack the contents and take inventory of the contained hardware against the packing slip.
- Before proceeding, read through all the instructions.

3 Install the rails

To prevent the equipment from toppling over, install the hardware from the bottom of the rack or cabinet to the top.

- If instructions were included with your rack-mounting hardware, refer to them for detailed information on how to install the rails.

For online instructions for installing SuperRails refer to the [AFF and FAS System Documentation Center](#).

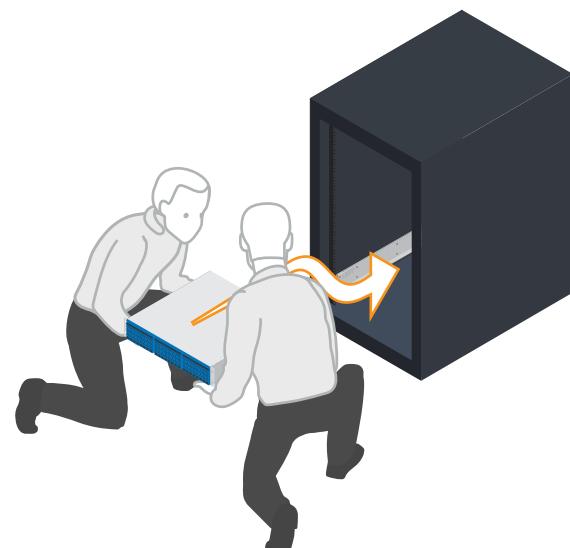
4 Install the shelf

- If you are installing multiple shelves, begin installing from the bottom to the top of the cabinet. Position the back of the shelf onto the rails.

Caution: Team-lift with two people when installing the shelf.

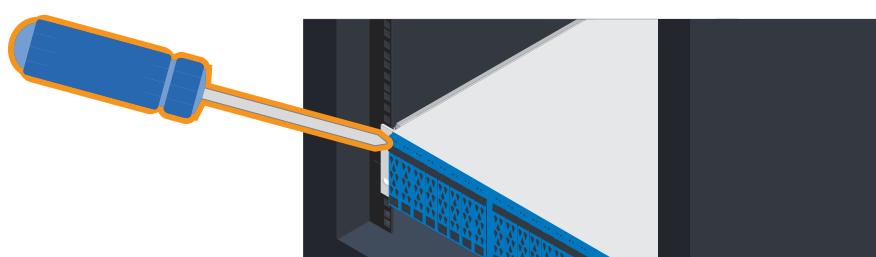


- Supporting the shelf from the bottom, slide it into the cabinet.



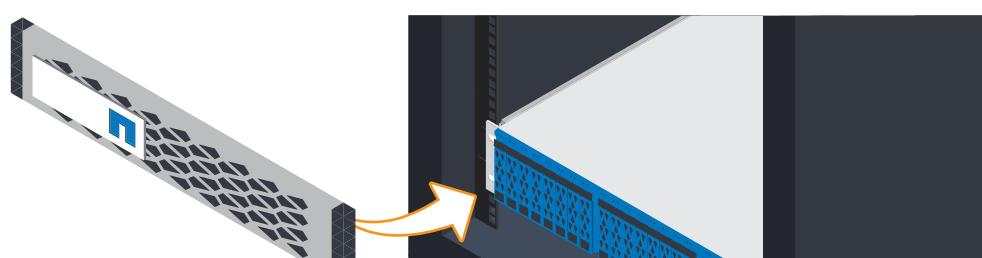
5 Secure the shelf

- For more information, see the instructions for the rack-mounting hardware.



6 Install the bezel

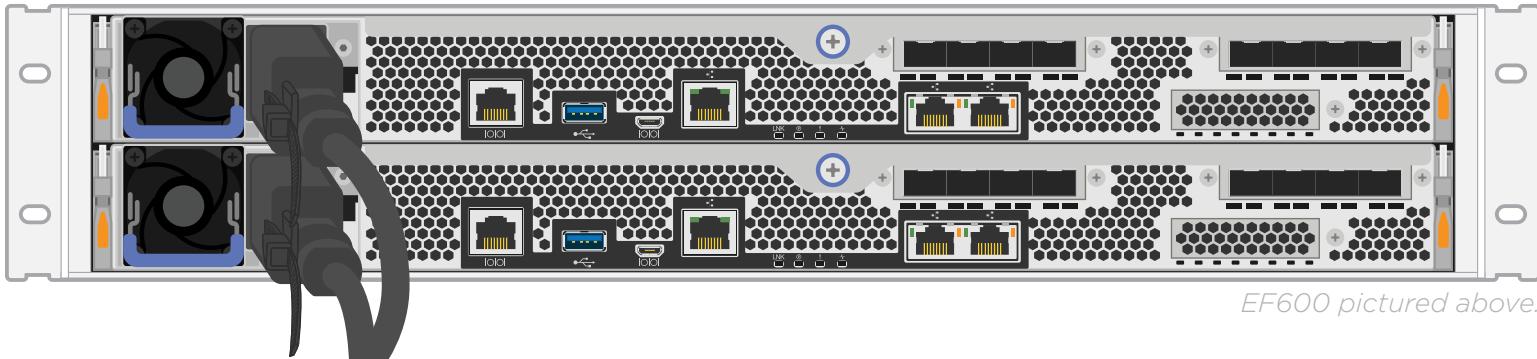
- Align the bezel with the shelf and snap into place.



3 | Connect the Cables

When handling hardware, wear an ESD wristband or take appropriate anti-static precautions.

1 Plug in the power cables, one to each controller



EF600 pictured above.

2 Connect the two power cables, one from each controller, to two separate power distribution units (PDUs) in the rack or cabinet

- The controller will boot automatically. The LEDs will flash on, and the fans will spin-up to indicate that the controller is powering on.

Fans will be very loud when powering on.

- Allow the controller to boot for five minutes before completing the storage system setup and configuration.

Accessing an EF600/EF300 controller canister from the shelf can be blocked by third-party PDUs. Do not use power outlets directly behind the controller canister.

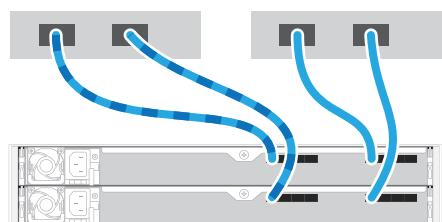
3 Cable the data hosts

- Cable the storage system according to your network topology:

OPTION

A. Direct-attach topology

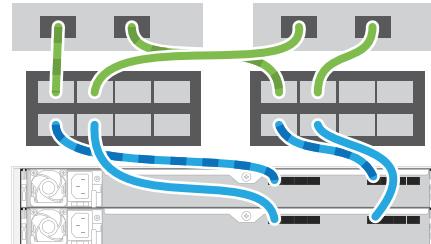
- Connect each host adapter directly to the host ports on the controllers.



OPTION

B. Fabric topology

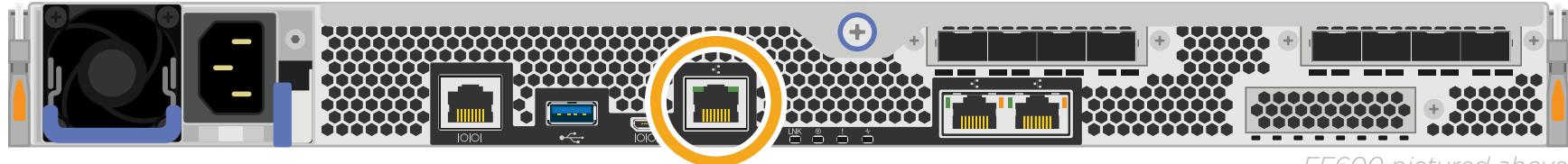
- Connect each host adapter directly to the switch.
- Connect each switch directly to the host ports on the controllers.



4 | Complete System Setup and Configuration

1 Connect and configure the management connection

Identifying the management port



EF600 pictured above.

Controller A is the upper controller canister, and controller B is the lower controller canister.

OPTION A Management port configuration with DHCP

Before you begin

- | Your DHCP server is configured to associate an IP address, subnet mask, and gateway address as a permanent lease for each controller.
- | You have obtained the assigned IP addresses you will use to connect to the storage system from your network administrator.
- **Step 1** – Connect an Ethernet cable to each controller's management port, and connect the other end to your network. (See the graphic identifying the management port.)
- **Step 2** – Open a browser and connect to the storage system using one of the IP addresses provided to you by your network administrator.

OPTION B Management port configuration with static IP addresses

Before you begin

- | You have obtained the controllers' IP address, subnet mask, gateway address, DNS, and NTP server information from your network administrator.
- | You have ensured that the laptop you are using is not receiving network configuration from a DHCP server.
- **Step 1** – Using an Ethernet cable, connect controller A's management port to the Ethernet port on a laptop.
- **Step 2** – Open a browser and use the default IP address (169.254.128.101) to establish a connection to the controller. The controller sends back a self-signed certificate. The browser informs you that the connection is not secure.
- **Step 3** – Follow the browser's instructions to proceed and launch SANtricity® System Manager.
 - | If you are unable to establish a connection, verify that you are not receiving network configuration from a DHCP server.
- **Step 4** – Set the storage system's password to login.
- **Step 5** – Use the network settings provided by your network administrator in the Configure Network Settings wizard to configure controller A's network settings, and then select Finish.
 - | Because you reset the IP address, System Manager loses connection to the controller. This is expected.
- **Step 6** – Disconnect your laptop from the storage system, and connect the management port on controller A to your network.
- **Step 7** – Open a browser on a computer connected to your network, and enter controller A's newly configured IP address.
 - | **Attention:** If you lose the connection to controller A, you can connect an ethernet cable to controller B to reestablish connection to controller A through controller B (169.254.128.102).
- **Step 8** – Log in using the password you set previously. The Configure Network Settings wizard will appear.
- **Step 9** – Use the network settings provided by your network administrator in the Configure Network Settings wizard to configure controller B's network settings, and then select Finish.
- **Step 10** – Connect controller B to your network.
- **Step 11** – Validate controller B's network settings by entering controller B's newly configured IP address in a browser.
 - | **Attention:** If you lose the connection to controller B, you can use your previously validated connection to controller A to reestablish connection to controller B through controller A.

2 After installing the hardware

Before you begin

- | You have configured your management ports and have verified and recorded your password and IP addresses.
- **Step 1** – Connect your controller to a web browser and use SANtricity System Manager for managing your EF600/EF300 series storage system.



You use the same IP addresses that you used to configure your management ports to access SANtricity System Manager.