

AFF A800 Systems

Installation and Setup Instructions

Prepare for installation | Stage 1

Pre-setup

1. Go to mysupport.netapp.com and [create an account](#), [register your system](#), and [get your license keys](#).
2. Unpack all boxes and inventory contents.
3. Go to the [AFF and FAS System Documentation Center](#) and click AFF A800 systems, and then Installation and Setup:
 - Download and complete the [Cluster Configuration Worksheet](#).
 - Watch the videos listed under [Setup videos](#).

In the box

Data and cluster interconnect cables



100GbE for cluster interconnect cable
Part number X66211A-05 (112-00595), 0.5m;
X66211-1 (112-00573), 1m



100GbE for HA interconnect cable
Part number X66211A-05 (112-00595), 0.5m



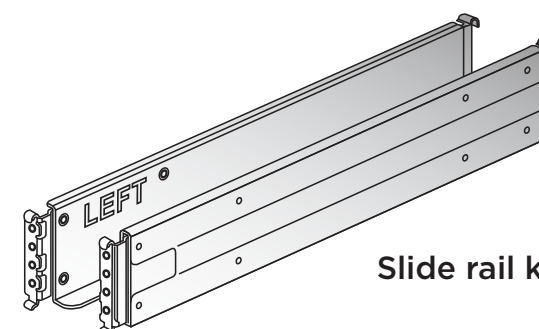
Ethernet cables



Power cables



10GbE for data network
Part number X6566B-3-R6 (112-00300), 3m;
X6566B-5-R6 (112-00301), 5m



Slide rail kit

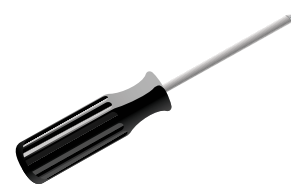


FC optic cable
Part number X66250-2 (112-00342) 2m;
X66250-5 (112-00344) 5m; X66250-15 (112-00346) 15m;
X66250-30 (112-00347) 30m

You provide



Rack space
4U per chassis



Screwdriver



Additional network cables
For connecting your storage to your network switch and Microsoft® Windows® client



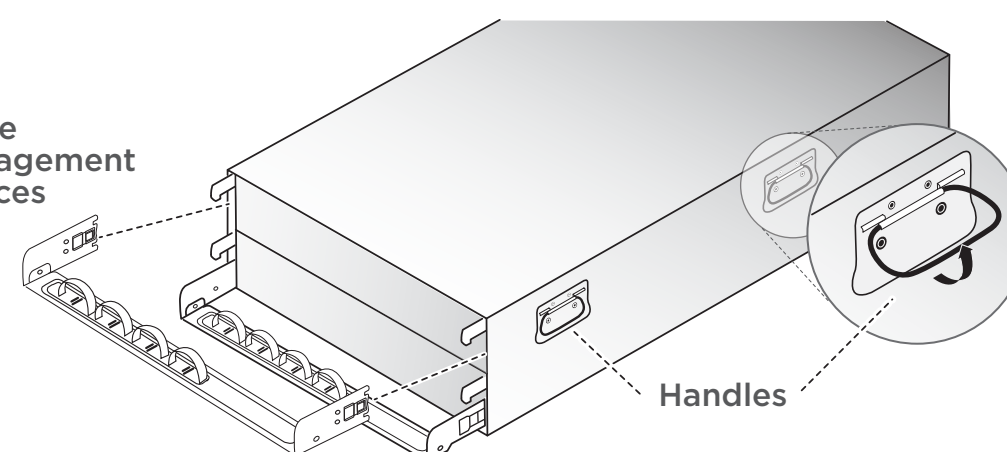
Client
Client with a USB/serial connection and access to a Web browser to configure your storage system

Install hardware | Stage 2

1 Unpack and install the system.

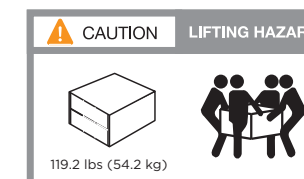
- Install rail kits, as needed, using the installation instructions included with the kit.
- Install the system.
- Attach the cable management devices.
- Place the bezel on the front of the system.

Cable management devices



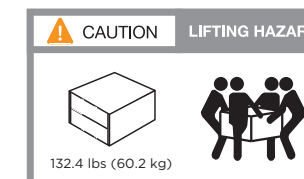
Handles

24 SSDs



119.2 lbs (54.2 kg)

48 SSDs



132.4 lbs (60.2 kg)



Install hardware | Stage 2 cont.

2 Cable controller for switchless cluster (choose option A or B below)

See your network administrator for help connecting to your switches.

Note: Steps 4 and 5 are optional and configuration dependent.

Note: As you insert the connector, you should feel it click into place; if you do not feel it click, remove it, turn it around and try again.

1  100GbE SFP copper cables

Connect port e1b to port e1b and port e0b to port e0b.

2  100GbE SFP copper cables

OPTION A: Connect port e1a to port e1a and port e0a to port e0a.


OPTION B: Connect port e1a of each node and port e0a of each node to the cluster interconnect switches.

3  Ethernet cables

Cable the e0M port and BMC ports to the management switches.

4  10GbE SFP copper cables

Cable ports e2a through e2d and e3a through e3d to the 10GbE data network switches.

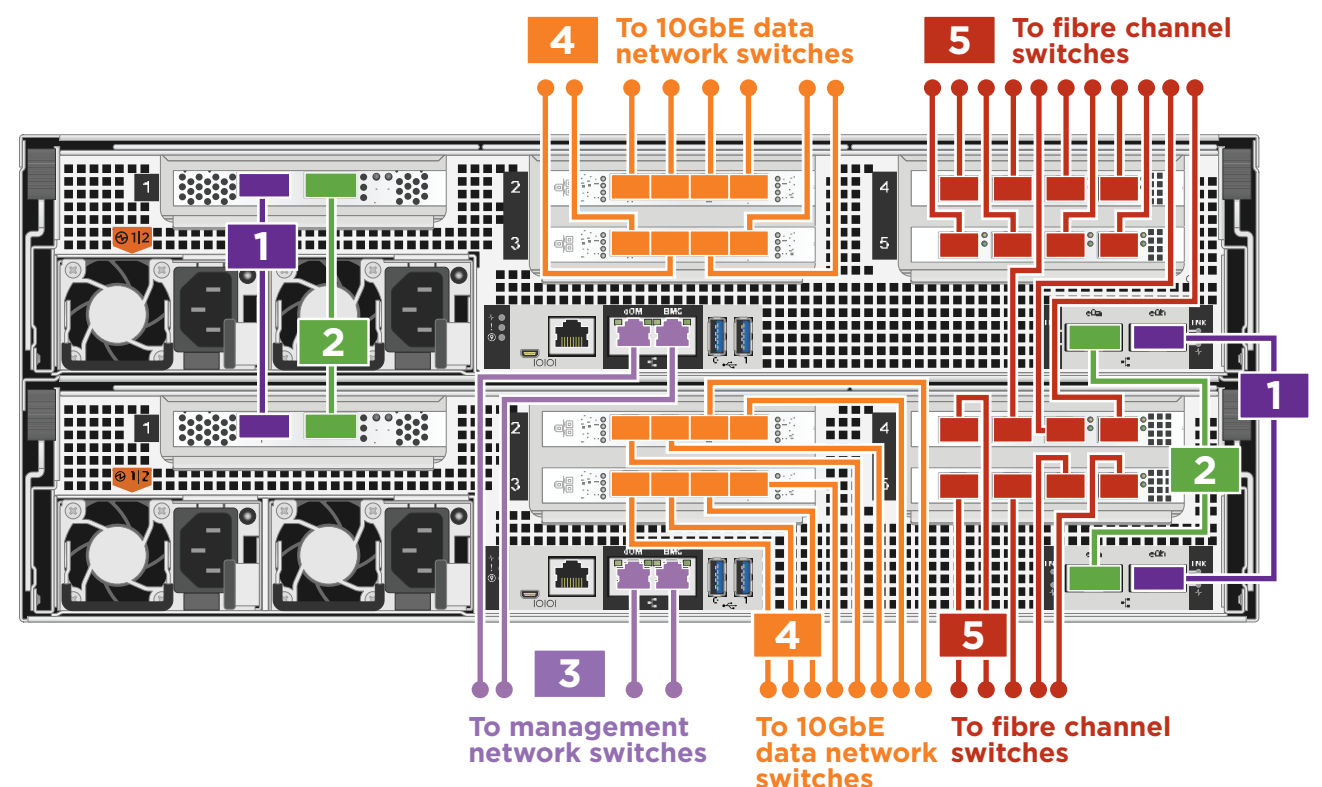
5  SFP optical cables

FOR SYSTEMS WITH FC CARDS:

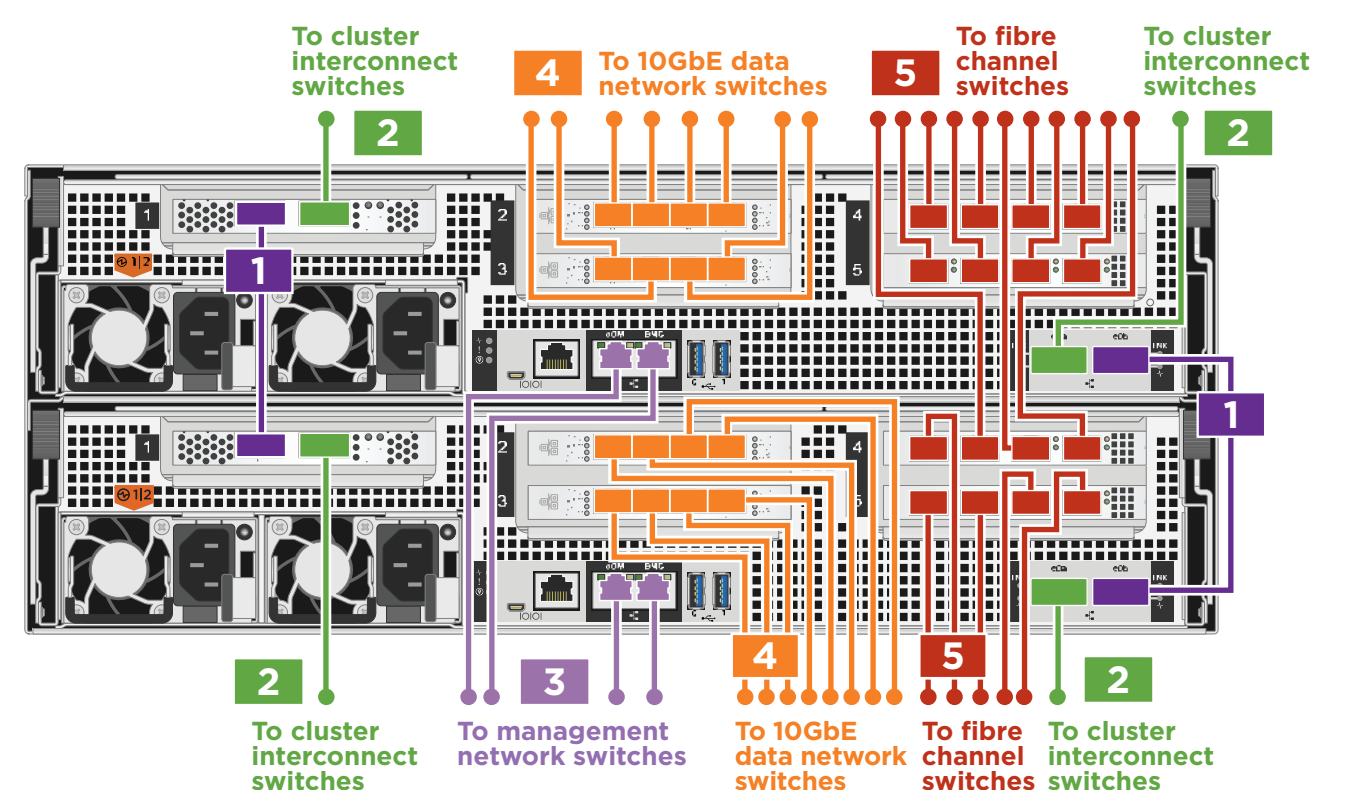
Cable ports 4a through 4d and 5a through 5d to the FC fabric switches.

 **DO NOT plug power cords into the power source at this point.**

A Two-node switchless cluster



B 100GbE cluster interconnect network



Complete system setup and configuration | Stage 3

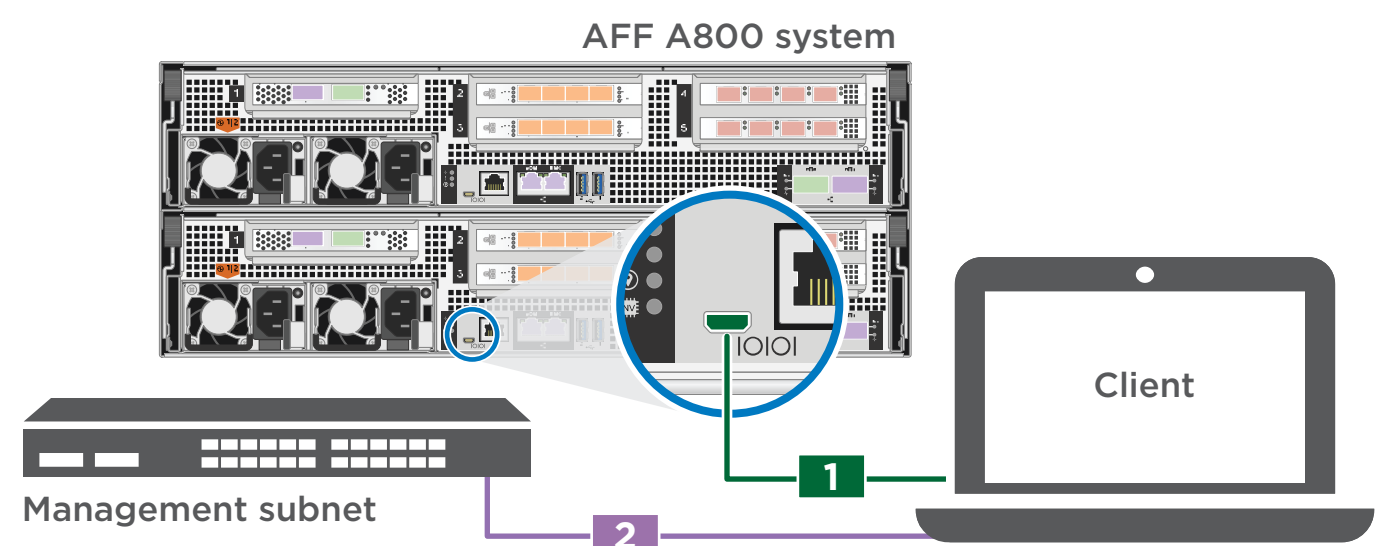
1 Cable and configure your client

 micro USB console cable

1 Connect the console cable to the client and the console port on the controller module.

 Ethernet cable

2 Connect the client to the switch on the management subnet:
a. Give the client a TCP/IP address on the management subnet.
b. Set the console port on the client to 115,200 baud with N-8-1.



2 Connect the power cables to the controllers and to the power source.

The system powers on when plugged into the power source.

3 Configure your system

- Assign an initial node management IP address to one of the nodes. If you have DHCP configured on your management network, record the IP address assigned to the new controllers. Otherwise,
 - Open a console session using PuTTY, a terminal server, or the equivalent for your environment.
 - Enter the node management IP address when prompted.
- Use System Manager Guided Setup to configure your cluster.
 - Point your browser to the address you assigned in step 1: <https://x.x.x.x>.
 - Enter the data from your Cluster Configuration Worksheet.