

AFF A200 Systems Installation and Setup Instructions

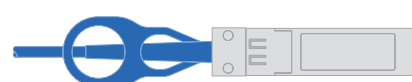
Prepare for installation | Stage 1

Pre-setup

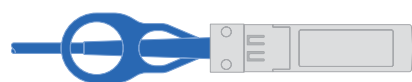
1. Go to mysupport.netapp.com and create an account, register your system, and get your license keys.
2. Unpack all boxes and inventory contents.
3. Go to the [AFF and FAS System Documentation Center](#) and click AFF A200 systems, and then Installation and Setup:
 - Download and complete the [Cluster Configuration Worksheet](#).
 - Watch the videos listed under [Setup videos](#).

In the box

Data and cluster interconnect cables



Cluster Interconnect cables
Part number X6566B-05-R6 (112-00297)
or X6566B-2-R6 (112-00299)



10 GbE network cables
(order dependent)
Part number X6566B-2-R6 (112-00299)
or X6566B-3-R6 (112-00300) or X6566B-5-R6 (112-00301)

Storage cables



mini-SAS HD to mini-SAS HD cables
Part number X66030A (112-00435) or X66031A (112-00436)
or X66032A (112-00437) or X66033A (112-00438)



Optical network cables (order dependent)
Part number X6553-R6 (112-00188) or X6554-R6 (112-00189) or X6536-R6 (112-00090)

Additional cables



Ethernet cables

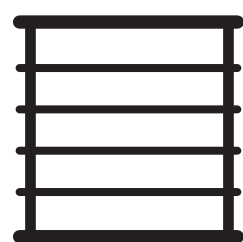


Power cables

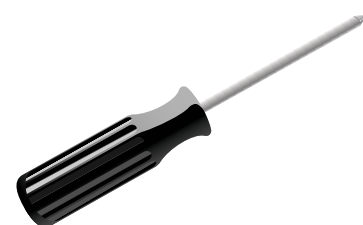


micro USB console cable

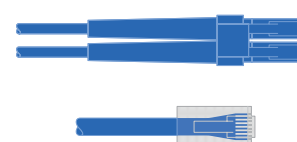
You provide



Rack space
2U per chassis



Screwdriver



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

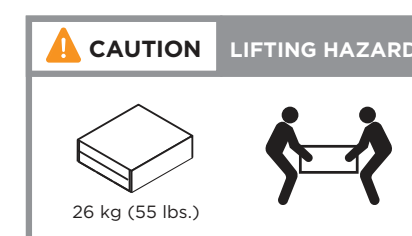
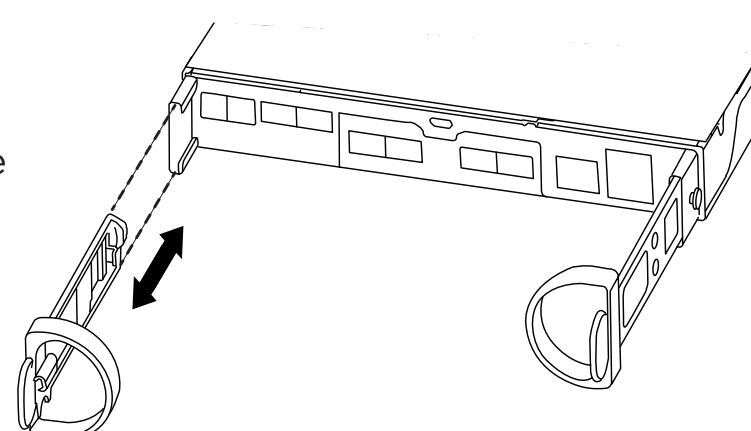


Client
With a USB/serial connection and access to a Web browser to configure your storage system

Install hardware | Stage 2

1 Install system in a rack or cabinet

- Install the rail or telco tray kits, as needed, and then install and secure your system using the instructions included with the kit.
- Attach cable management devices (as shown).
- Place the bezel on the front of the system.



Install hardware | Stage 2 cont.

2 Cable controller for switchless cluster

See your network administrator for help connecting to your switches.

1  Cluster Interconnect cables


Connect port e0a to port e0a and port e0b to port e0b.

2  10 GbE network cables **OR**  Optical network cables

Connect port e0c/0c on both controller modules to the data network switch.

NOTE: Port e0c is required; other ports are available if needed.

3  Ethernet cables

Connect the wrench port (e0M)  on both controller modules to the management subnet switch.

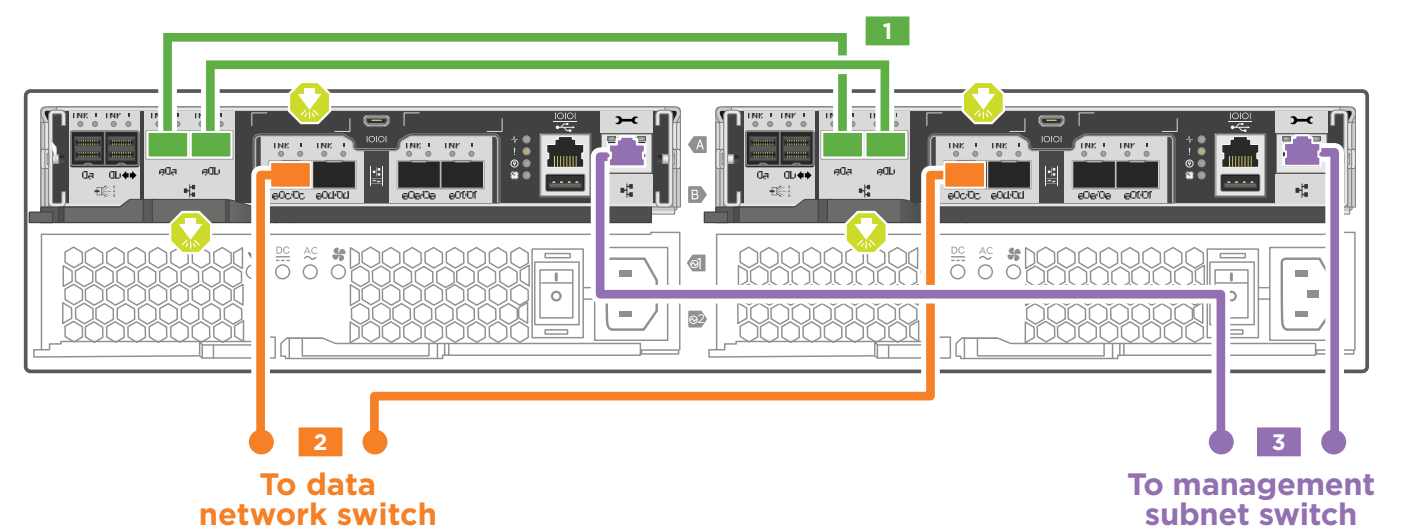
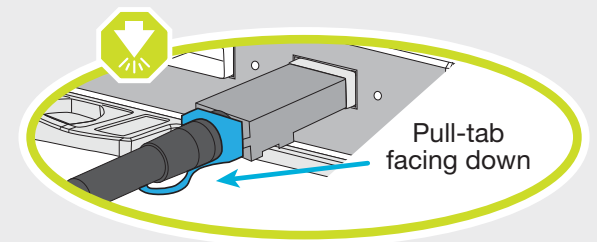
4  Power cables

Connect the power cables to both power supplies (not shown).

- Use the retaining clips.
- Connect power cables to different power sources.

Orient the cable connector pull-tab in the correct direction, then gently push the connector into place until it clicks.


Note: To unplug a cable, gently pull the tab to release the locking mechanism.



DO NOT turn on the power supply switches.

Cable storage | Stage 3

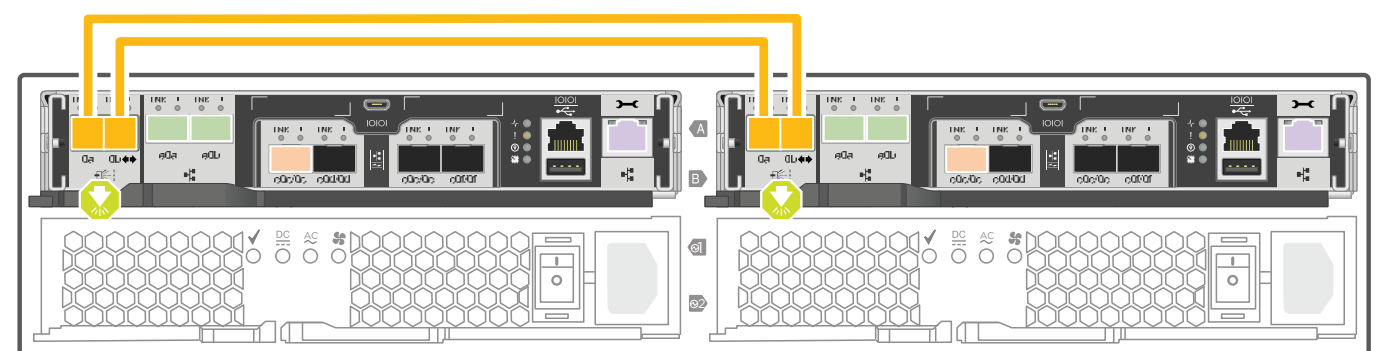
Cabling an AFF A200 with NO external storage

 mini-SAS HD to mini-SAS HD cables

1 Connect the SAS ports of both controllers:

- Controller 1 0a to Controller 2 0b
- Controller 1 0b to Controller 2 0a

DO NOT turn on the power supply switches.



Complete system setup and configuration | Stage 4

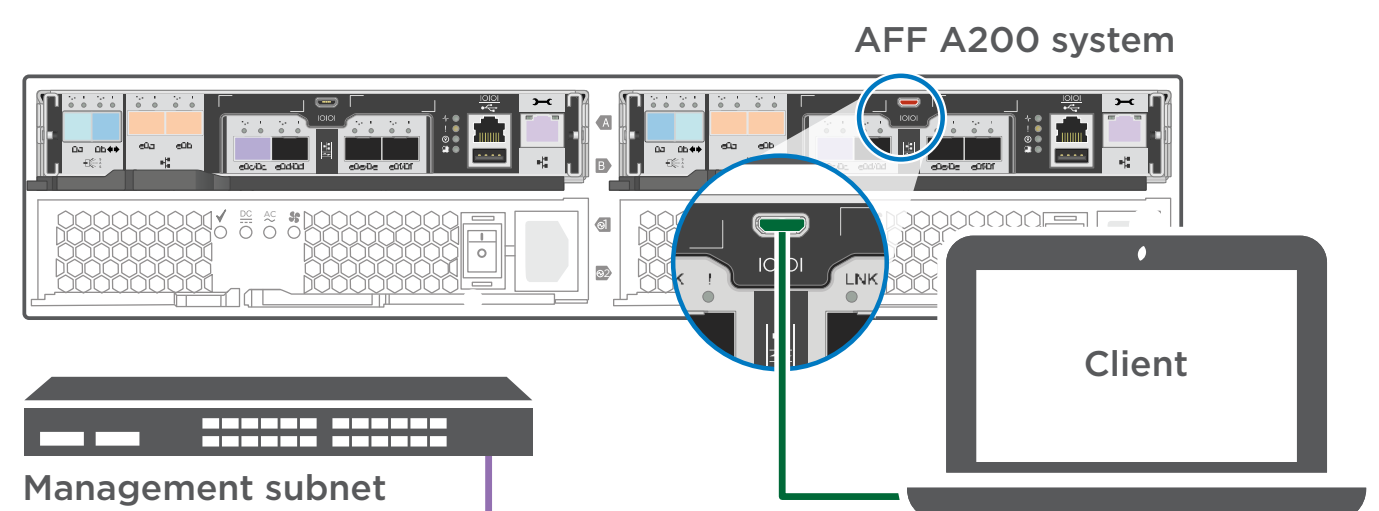
1 Cable and configure your client

 micro USB console cable

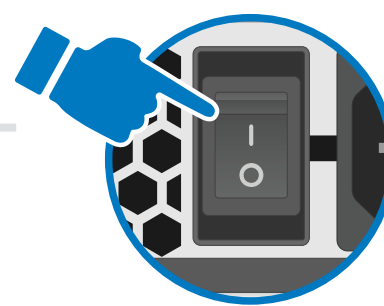
1 Connect the console cable to the client and the console port on the controller module.

 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 Turn on the power switches to both nodes



3 Configure your system

SAN or NAS optimized system:

Log into System Manager, as described on the back of your system, and then complete the storage provisioning wizards found under Applications in System Manager.

All other systems:

1. 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,
 - a. Open a console session using PuTTY, a terminal server, or the equivalent for your environment.
 - b. Enter the node management IP address when prompted.
2. Use System Manager Guided Setup to configure your cluster.
 - a. Point your browser to the address you assigned in step 1: <https://x.x.x.x>.
 - b. Enter the data from your Cluster Configuration Worksheet.