

AFF C250 Systems

Installation and Setup Instructions

Prepare for installation

1

Install hardware

2

Cable configuration-
dependent options

3

Complete system setup
and configuration

4

Prepare for installation | Stage 1



Pre-setup

1. Unpack all boxes and inventory contents.
Attention: Customers with specific power requirements must check [Hardware Universe](#) for their configuration options.
2. Watch the [Setup Videos](#).
3. Review the [NetApp ONTAP Configuration Guide](#).



Contents In the box

Cables in your shipment are order-dependent. Not all cables shown may be in your shipment.

25 GbE cable (SFP28) HA and cluster interconnect



Part numbers:
X6566B-05-R6 (112-00639), 0.5m
X6566B-2-R6 (112-00598), 2m
X6566B-5-R6 (112-00600), 5m

32 Gb FC (SFP+ Op) FC optical network cable



Part numbers:
X66250-2 (112-00342), 2m
X66250-5 (112-00344), 5m
X66250-15 (112-00346), 15m

RJ-45 cables Wrench port (e0M/BMC) Data port (e0a/e0b) (order-dependent)

Part numbers:
X5585-R6 (112-00291), 3m
X6562-R6 (112-00196), 5m

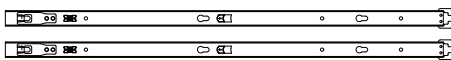
Additional cables

Ethernet cables

Power cables

micro USB console cable

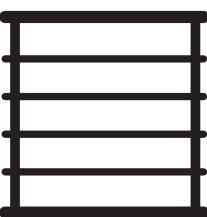
Slide rail kit



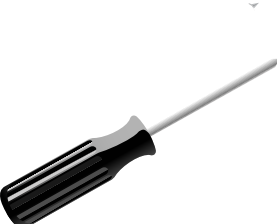
Note: For more cable information and part numbers, see the [Hardware Universe](#).



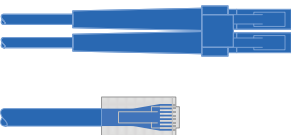
You provide



Rack space
2U for AFF C250



Screwdriver
Phillips #2

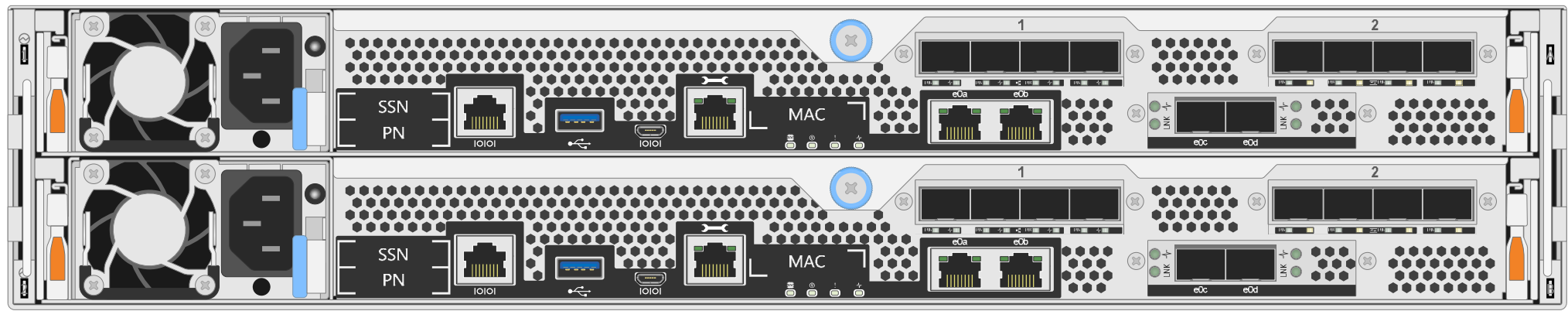


Additional network cables
For connecting your storage system to your network switch and laptop or console.



Laptop or console
With a USB/serial connection and access to a Web browser to configure your storage system

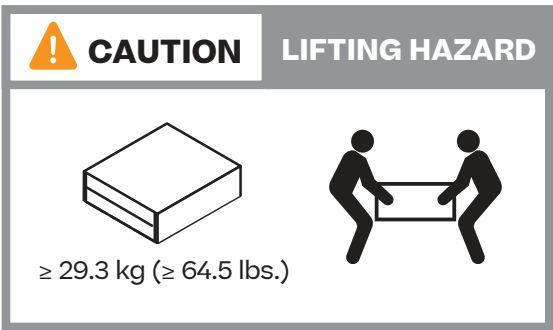
Install hardware | Stage 2



Rear view of AFF C250 system

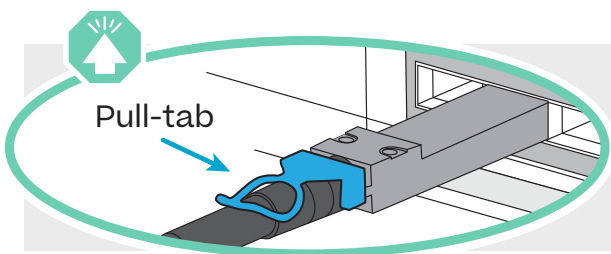
1 Install system in a rack or cabinet:

- Install the rail or telco tray kits, as needed, and then install and secure your system using the instructions included with the kit.
- Use cable identification and management system of your choice. The system does not have a cable management device.
- Place the bezel on the front of the system.



2 Cable the controller for a switchless or switched cluster:

See your network administrator for help connecting to your switches.



Attention: Be sure to check the illustration arrow for the proper cable connector pull-tab orientation.
Note: To unplug a cable, gently pull the tab to release the locking mechanism.

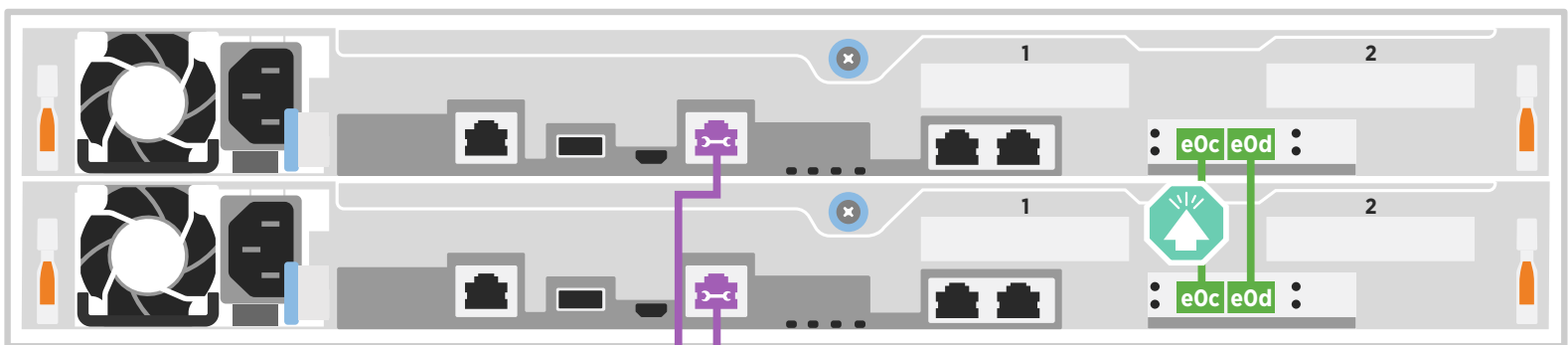
Switchless cluster

25 GbE cables

- Cable the e0c port to the e0c port and then cable the e0d port to the e0d port.

Ethernet cables

- Connect the wrench port (e0M/BMC) to the management switches.



To management network switches

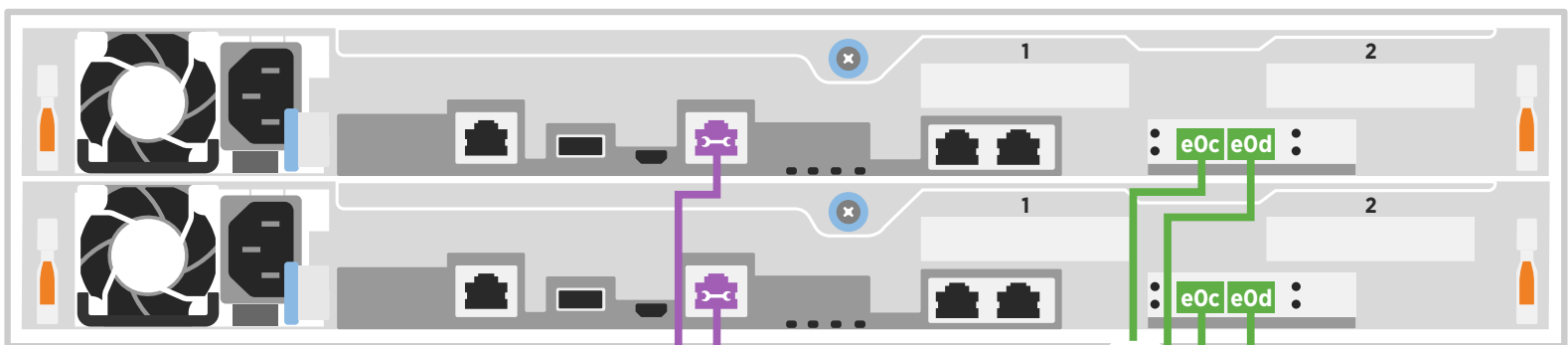
Switched cluster

25 GbE cables

- Cable port e0c and port e0d on each controller to the cluster interconnect switches.

Ethernet cables

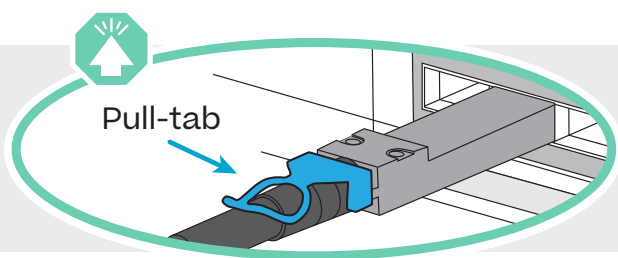
- Connect the wrench port (e0M/BMC) to the management switches.



To management network switches

To cluster interconnect switches

Cable configuration-dependent options | Stage 3

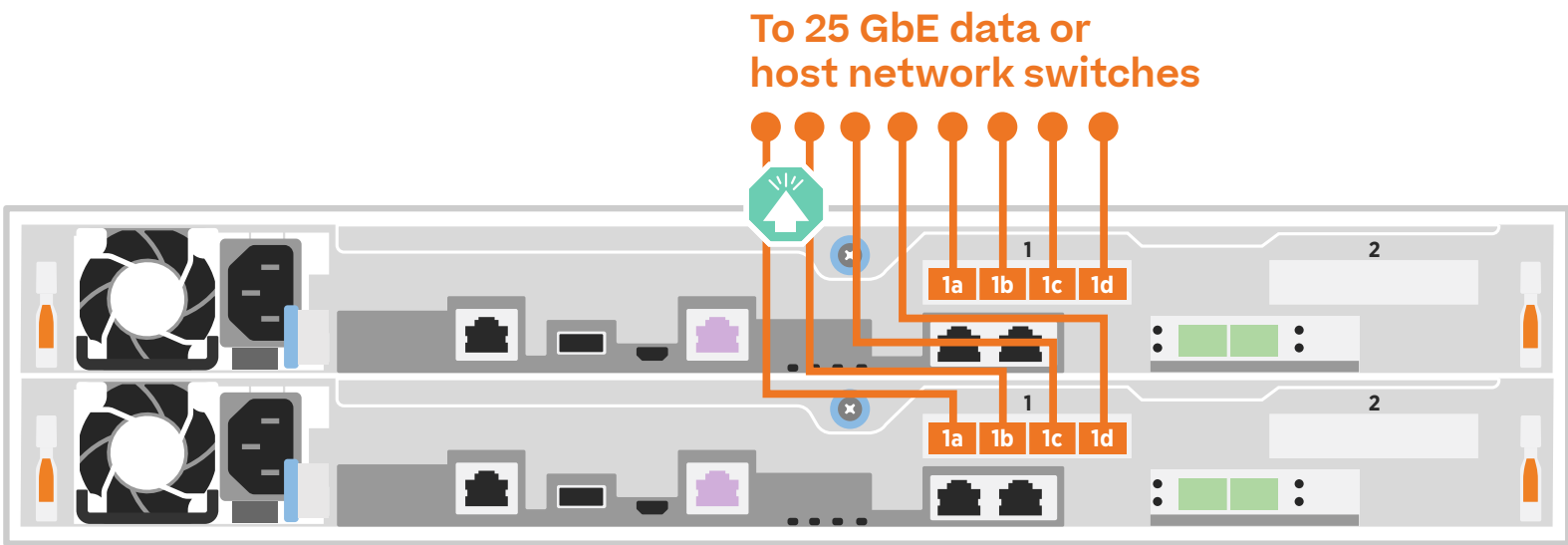


Attention: Be sure to check the illustration arrow for the proper cable connector pull-tab orientation.
Note: To unplug a cable, gently pull the tab to release the locking mechanism.

A 25 GbE host network

25 GbE cables

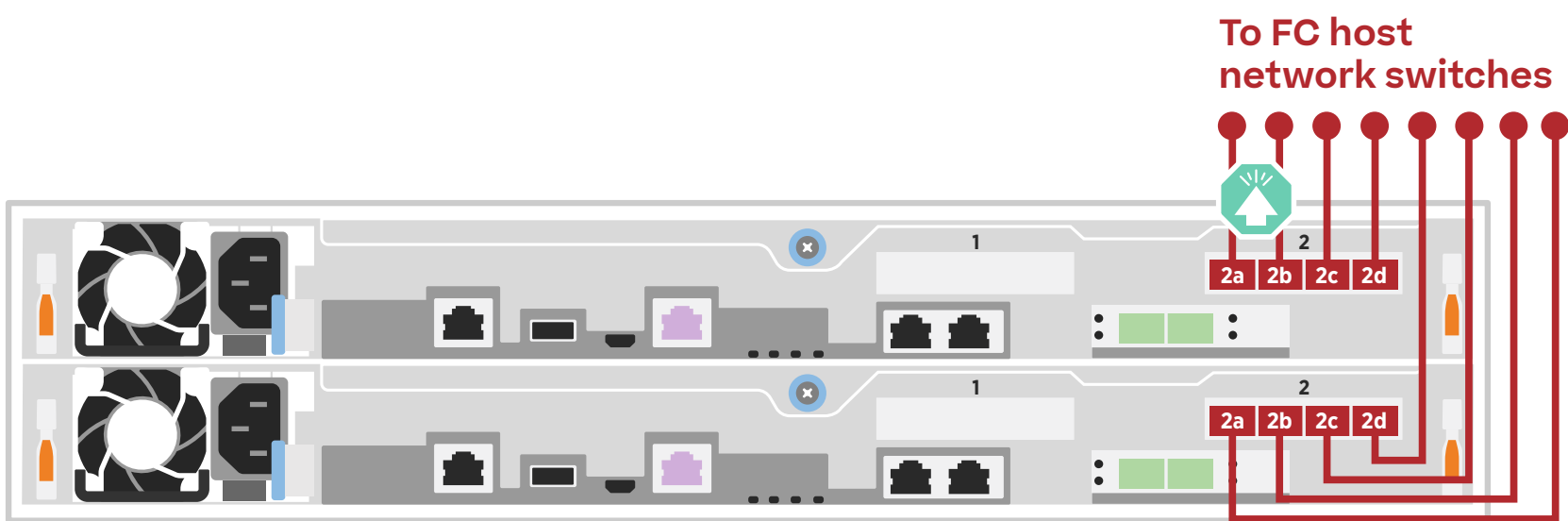
Cable ports 1a through 1d to data or host network switches.



B FC host network

32 Gb FC cables

Cable ports 2a through 2d to the FC host network switches.

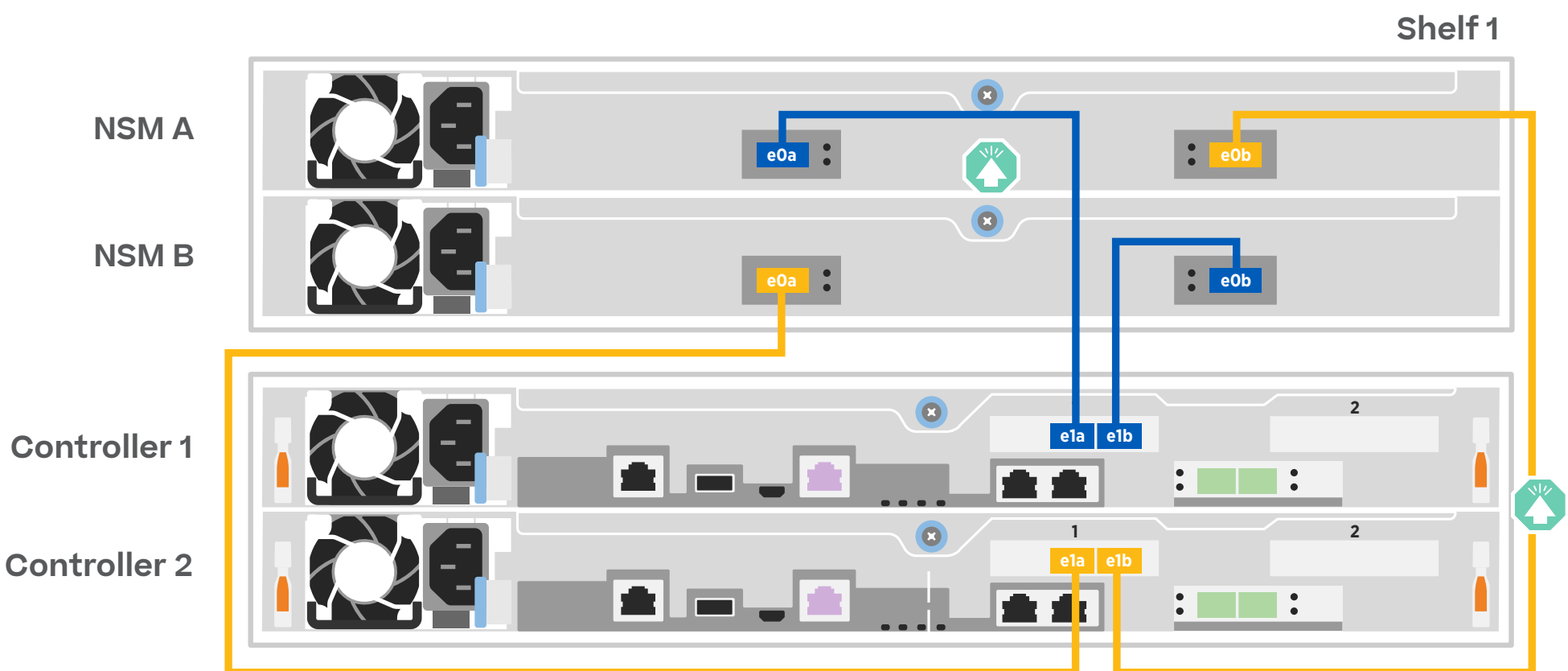


C External storage

Cabling an AFF C250 system to one NS224 shelf

100GbE for storage cable

- 1 Cable e1a on controller 1 to the e0a on NSM A on the NS224.
Cable e1b on controller 1 to the e0b on NSM B on the NS224.
- 2 Cable e1a on controller 2 to the e0a on NSM B on the NS224.
Cable e1b on controller 2 to the e0b on NSM A on the NS224.



Complete system setup and configuration | Stage 4

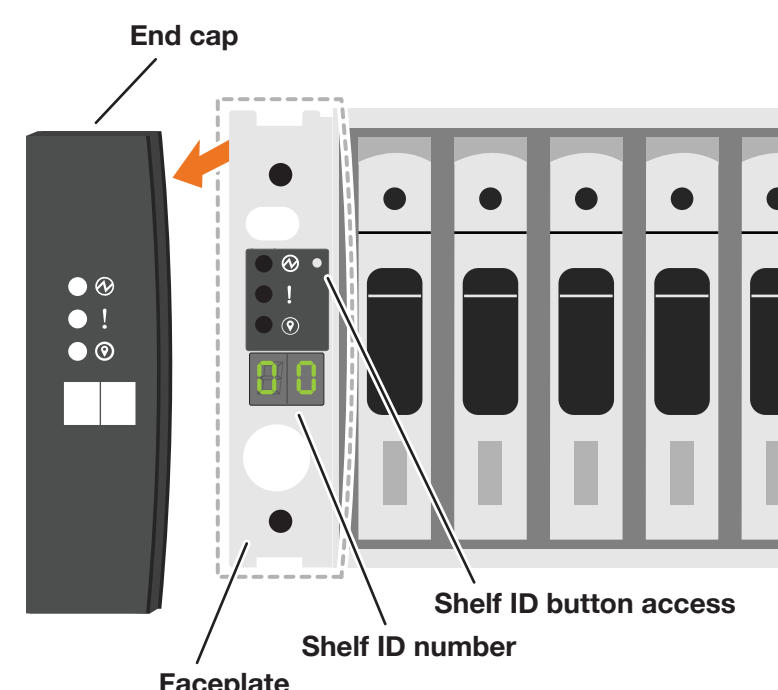
1 Power on the shelves and set shelf IDs:

Note: For NS224 drive shelves, shelf IDs are pre-set to 00 and 01. If you want to change the shelf IDs, use the straightened end of a paperclip, or narrow tipped ball point pen to access the shelf ID button behind the faceplate.

1. Plug the power cords into the shelf power supplies, and then connect them to power sources on different circuits.

Note: NS224 shelves have no power switch and will begin to boot.

2. If you need to change the shelf ID's, see [Change a shelf ID - NS224 shelves](#) for detailed instructions.

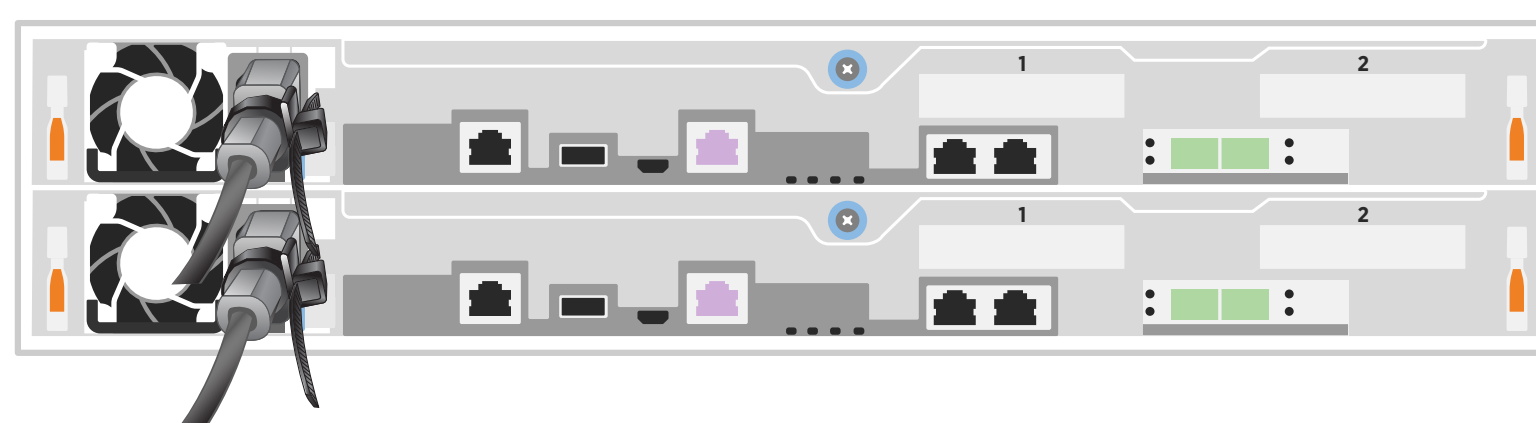


2 Power on the controllers:

Connect the controllers to different power sources.

Note: The system begins to boot as soon as the power supplies are connected to the power sources.

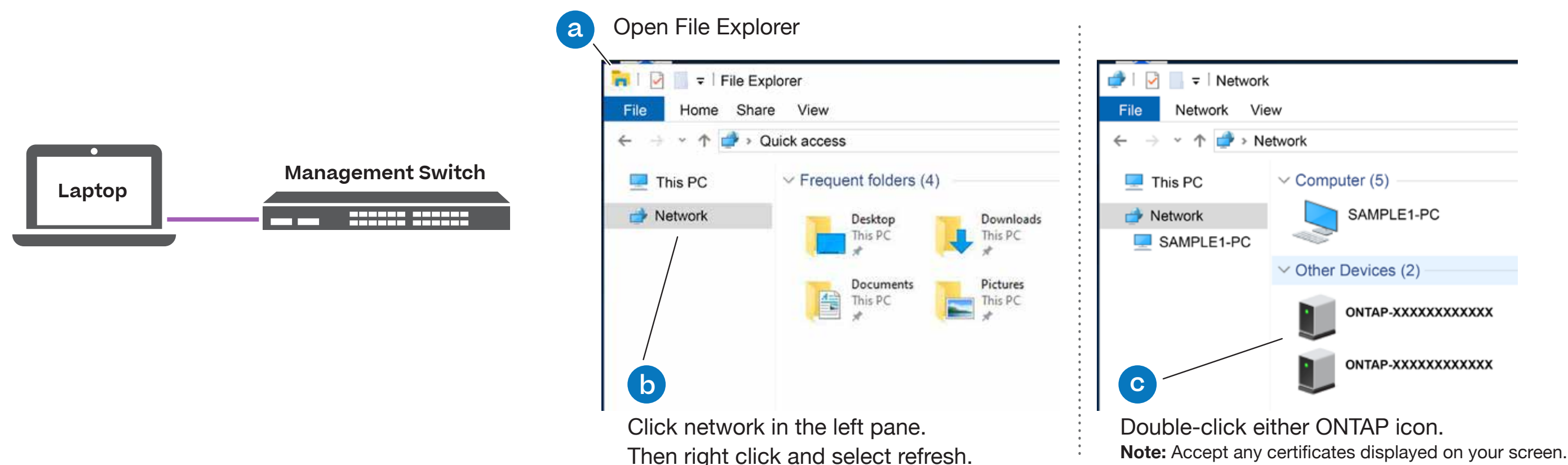
Bootup may take up to 8 minutes.



3 Complete initial cluster setup with network discovery:

Note: If your laptop does not support network discovery, see the [Detailed guide](#).

Connect your laptop to the management switch and access the network computers and devices.



4 Use System Manager Guided Setup to configure your cluster.

5 Completing setup

1. Click...

- a) mysupport.netapp.com
- b) [Create/log in to your account](#)
- c) [Download and install Active IQ Config Advisor](#)
- d) [Register your system](#)

2. Verify the health of your system by running Config Advisor.

3. After you have completed the initial configuration, go to the [NetApp ONTAP Resources](#) page for information about configuring additional features in ONTAP.