FAS500f Systems
Installation and Setup Instructions

∏ NetApp®

| 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

Slide rail kit

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
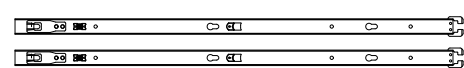X6562-R6 (112-00196), 5m

Additional cables

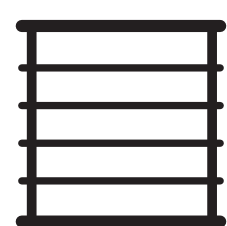**Ethernet cables**   **Power cables**
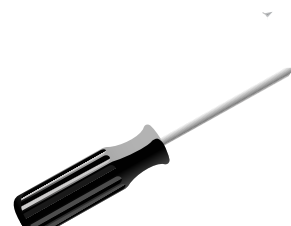
micro USB console cable

Note: For more cable information and part numbers, see the Hardware Universe.
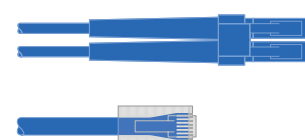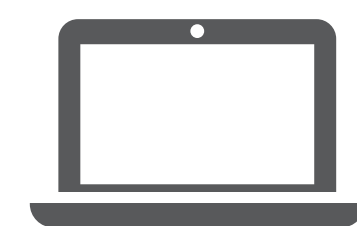
You provide

Rack space
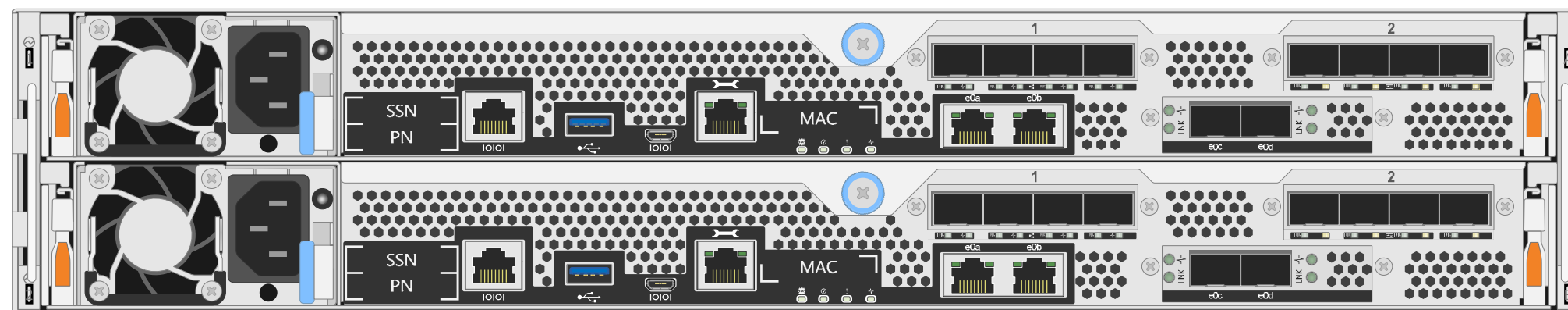2U for FAS500f

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

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Rear view of FAS500f 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. This system does not have a cable management device.

- Place the bezel on the front of the system.

CAUTION **LIFTING HAZARD**

≥ 29.3 kg (≥ 64.5 lbs.)
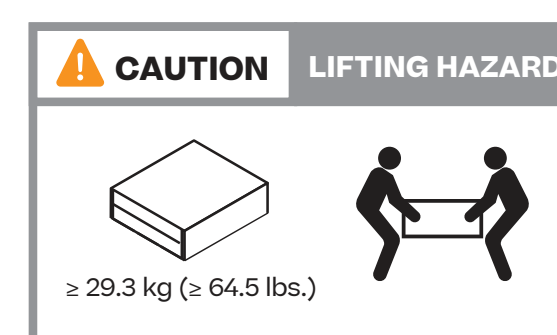
2 Cable the controller for a switchless or switched cluster

See your network administrator for help connecting to your switches.
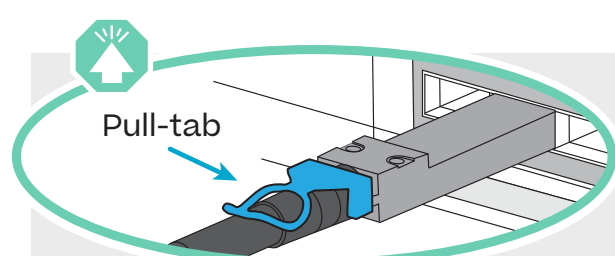
Pull-tab

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.
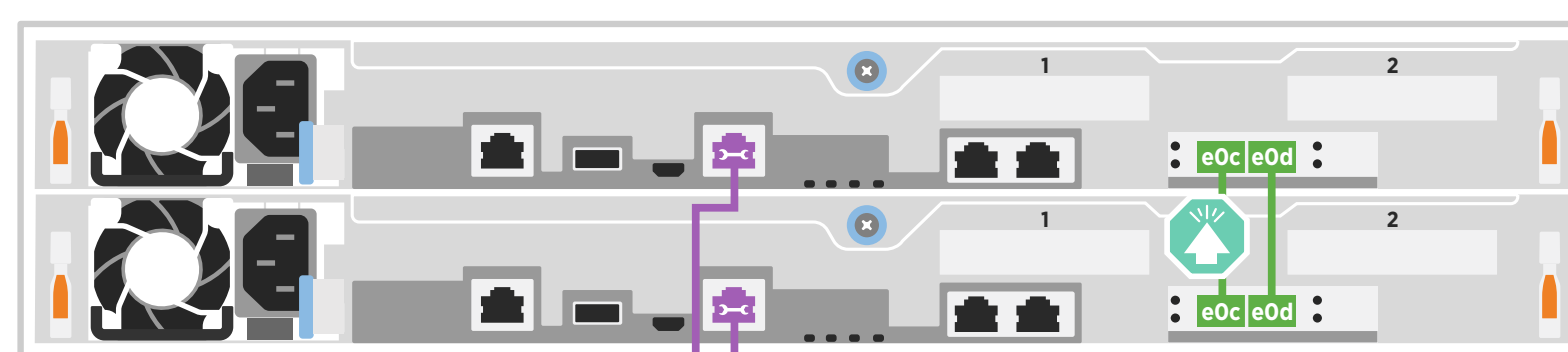
Switchless cluster
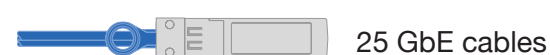
25 GbE cables

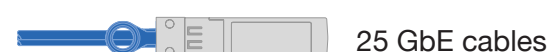🟢 Cable the e0c port to the e0c port and then cable the e0d port to the e0d port.

Ethernet cables

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

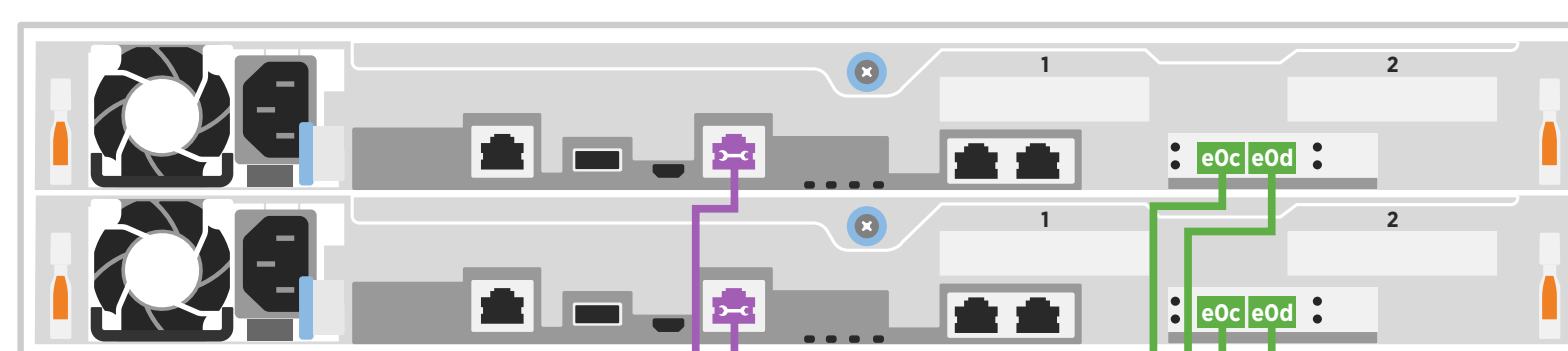**To management network switches**

Switched cluster

25 GbE cables

🟢 Cable port e0c and port e0d on each controller to the cluster interconnect switches.
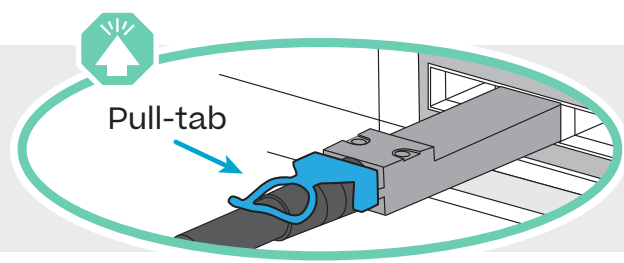
Ethernet cables

🟣 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.

Pull-tab

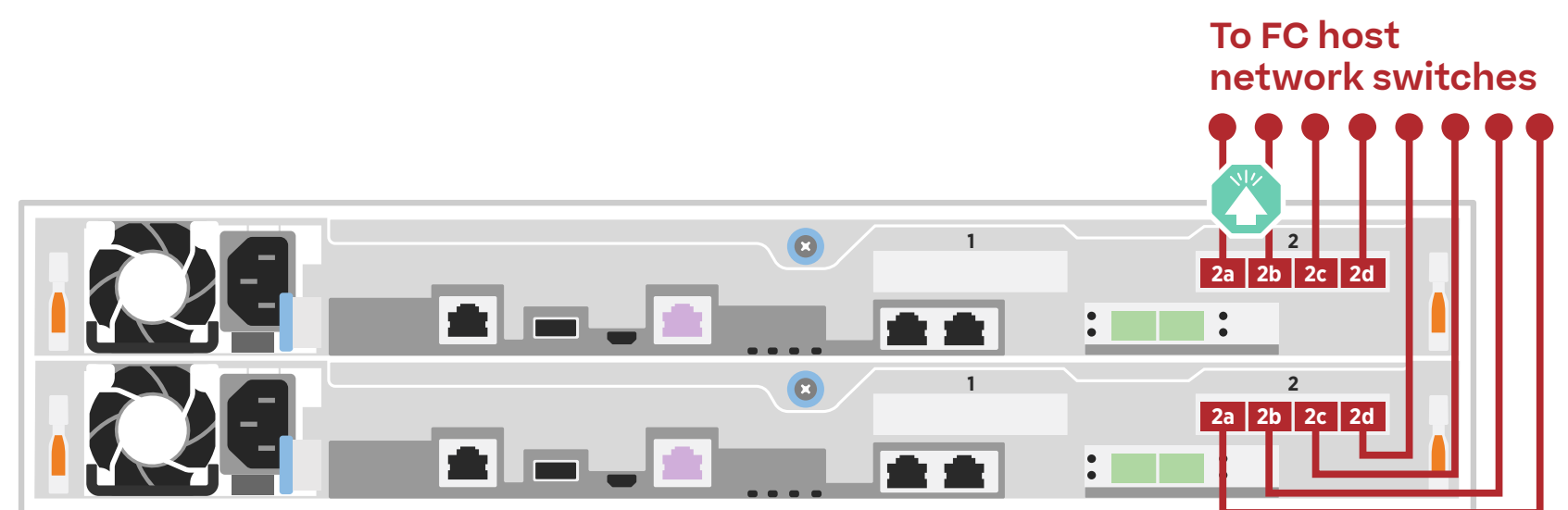## A | 25 GbE host network

25 GbE cables

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

To 25 GbE data or host network switches

1a 1b 1c 1d

B | FC host network

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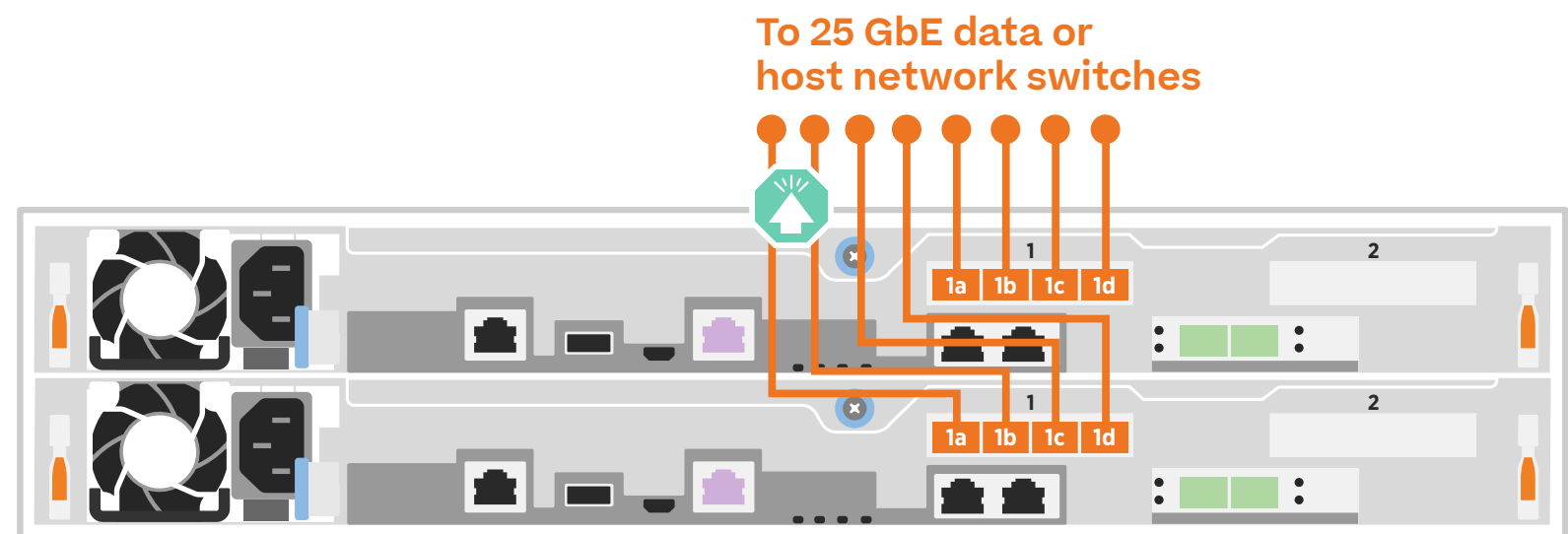
Cable ports 2a through 2d to the FC host network switches.

To FC host network switches

2a 2b 2c 2d

C | External storage
Cabling a FAS500f 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.
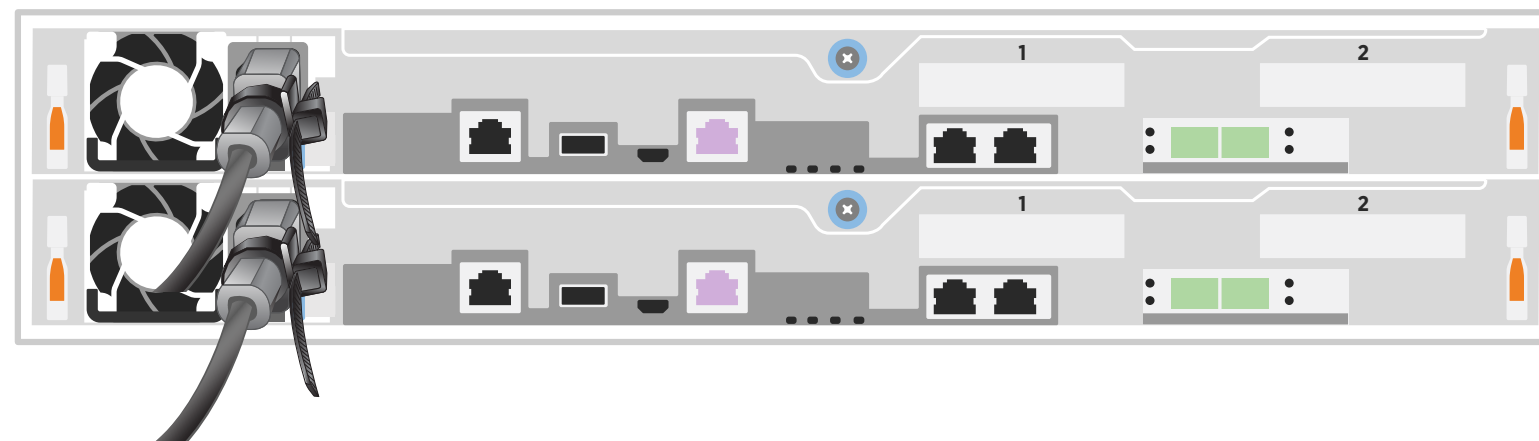Cable e1b on controller 2 to the e0b on NSM A on the NS224.

Shelf 1

NSM A   e0a   e0b

NSM B   e0a   e0b

Controller 1   e1a e1b

Controller 2   e1a e1b
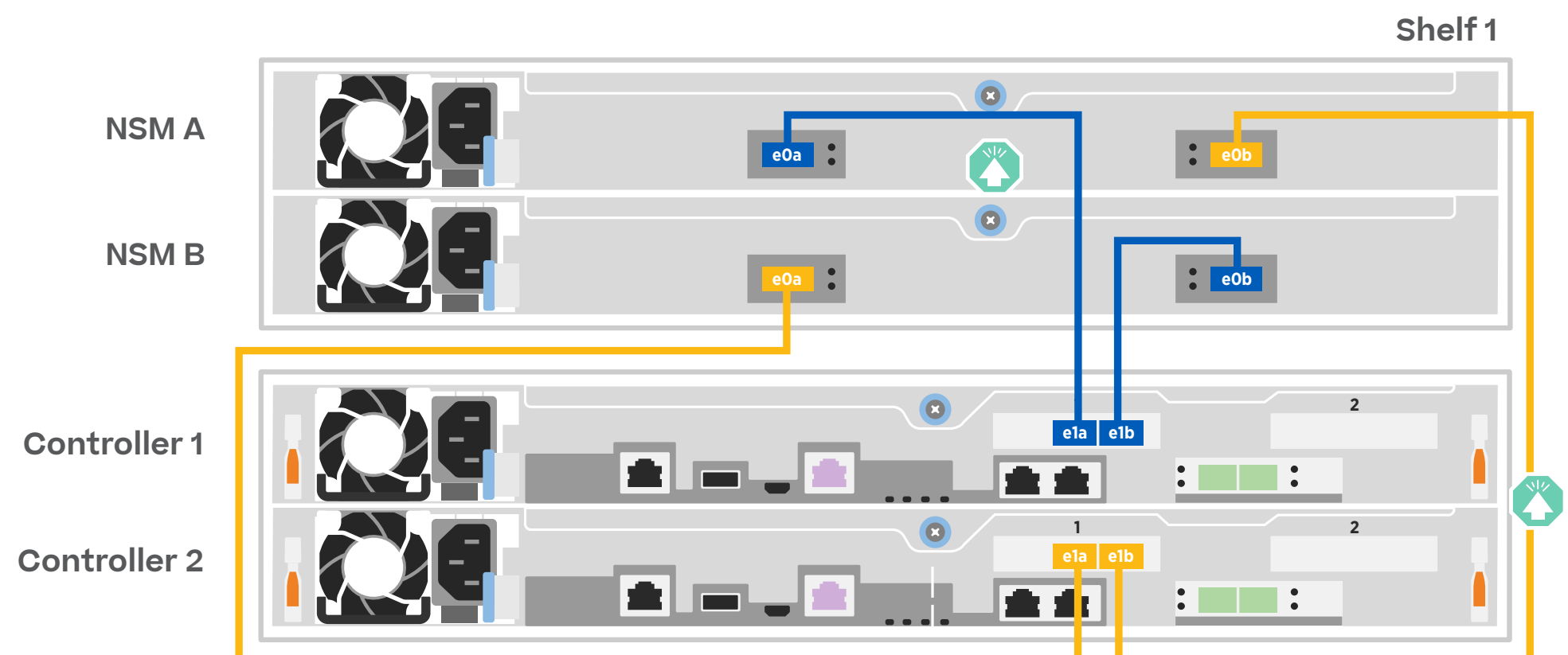
1 Power on the controllers

Connect the controllers to different power sources.

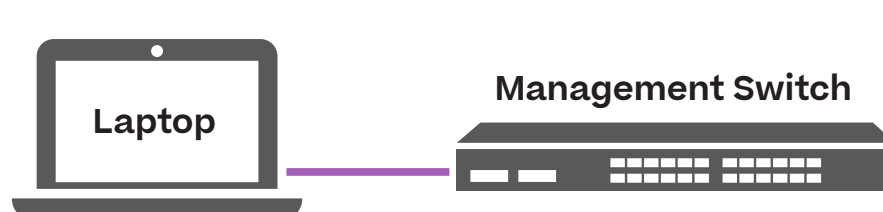**Note:** The system begins to boot as soon as the power supplies are connected to the power sources. **Booting may take up to 8 minutes.**
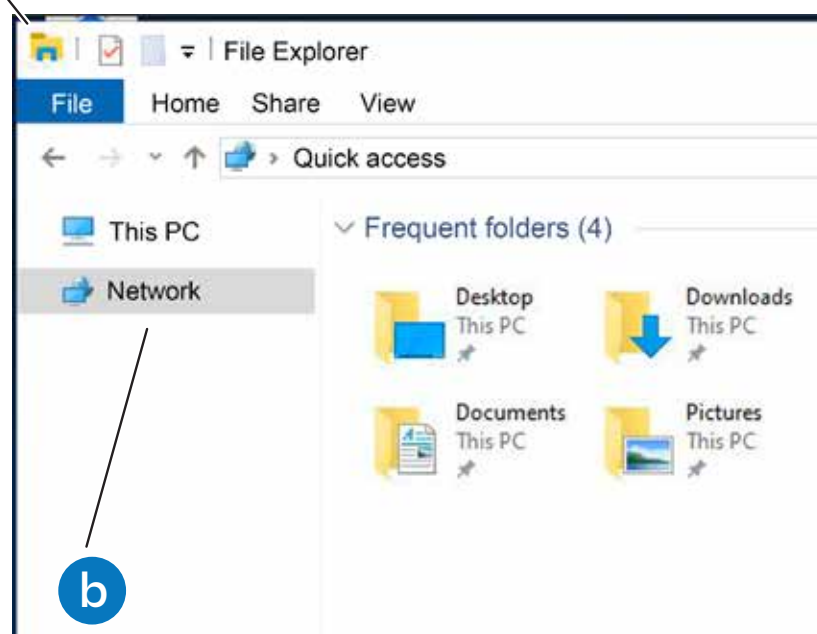

2 Complete initial cluster setup with network discovery:

Note: If your laptop does not support network discovery, see the **Detailed guide.**
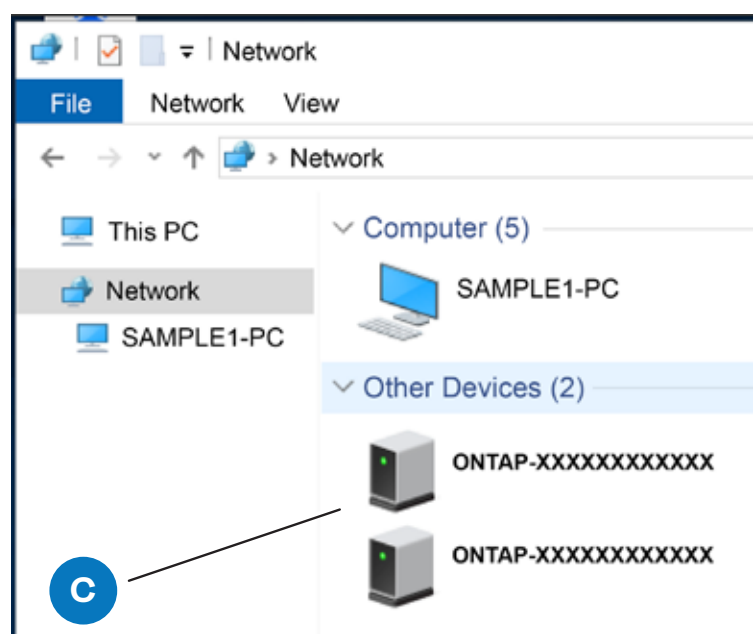
Connect your laptop to the management switch and access the network computers and devices.

a Open File Explorer

b Click network in the left pane.
Then right click and select refresh.

c Double-click either ONTAP icon
Note: Accept any certificates displayed on your screen.

3 Use System Manager Guided Setup to configure your cluster

4 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.