

# AFF A250 Systems Installation and Setup Instructions

Prepare for installation

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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

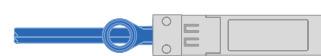
Cables in your shipment are order-dependent. Not all cables shown may be in your shipment.

**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

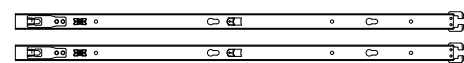


Power cables



micro USB console cable

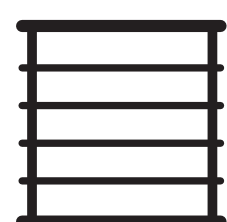
**Slide rail kit**



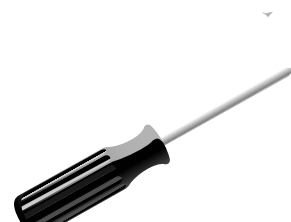
**Note:** For more cable information and part numbers, see the [Hardware Universe](#).



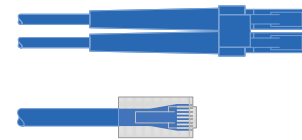
You provide



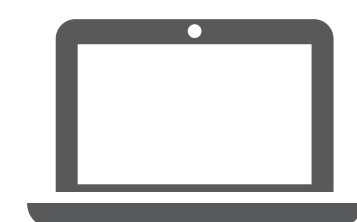
**Rack space**  
2U for AFF A250



**Screwdriver**  
Phillips #2

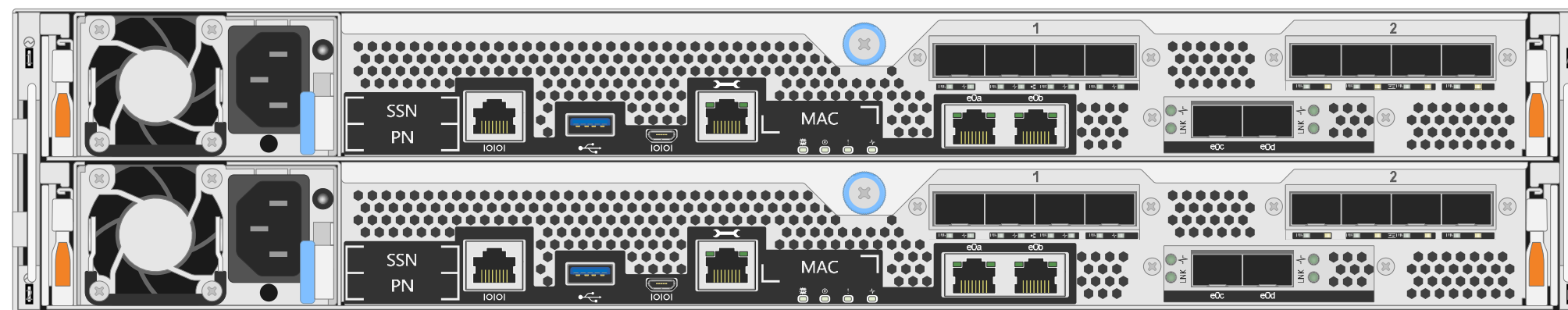


**Additional network cables**  
For connecting your storage system to your network switch and laptop or console.



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

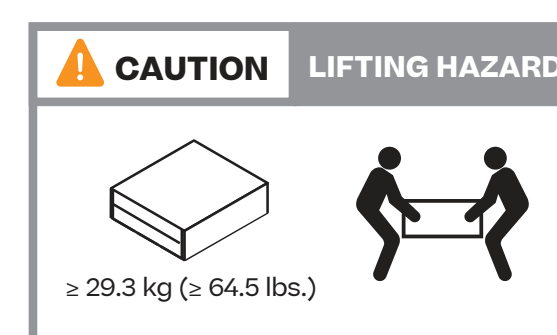
# Install hardware | Stage 2



Rear view of AFF A250 system

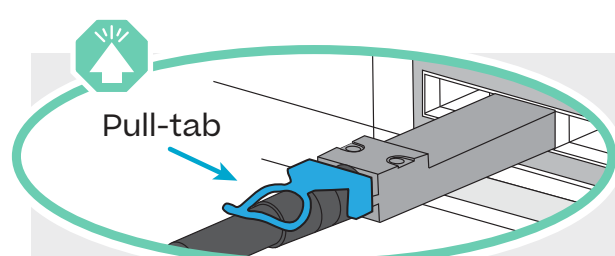
## 1 Install system in a rack or cabinet:

- 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



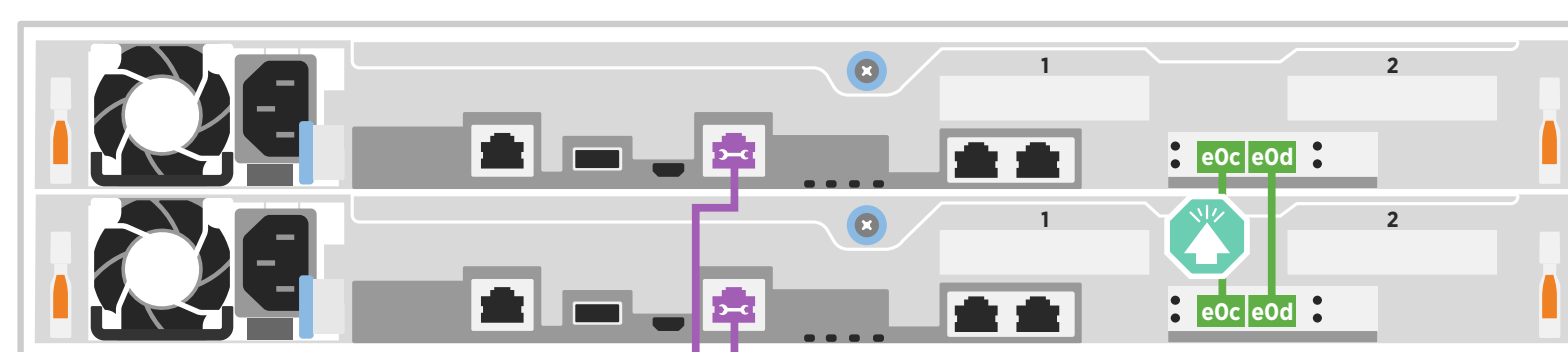
25 GbE cables

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



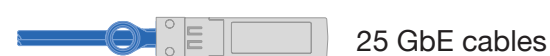
Ethernet cables

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



To management network switches

### Switched cluster



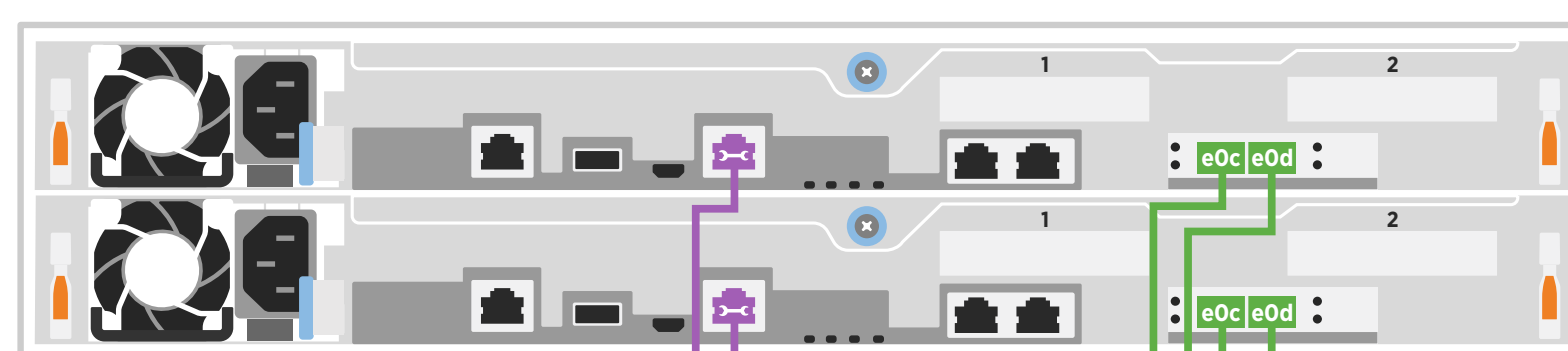
25 GbE cables

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



Ethernet cables

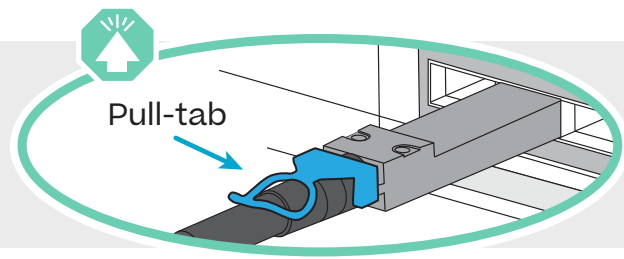
- Connect the wrench port (e0M/BMC) to the management switches.



To management network switches

To cluster interconnect switches

# Cable configuration-dependent options | Stage 3



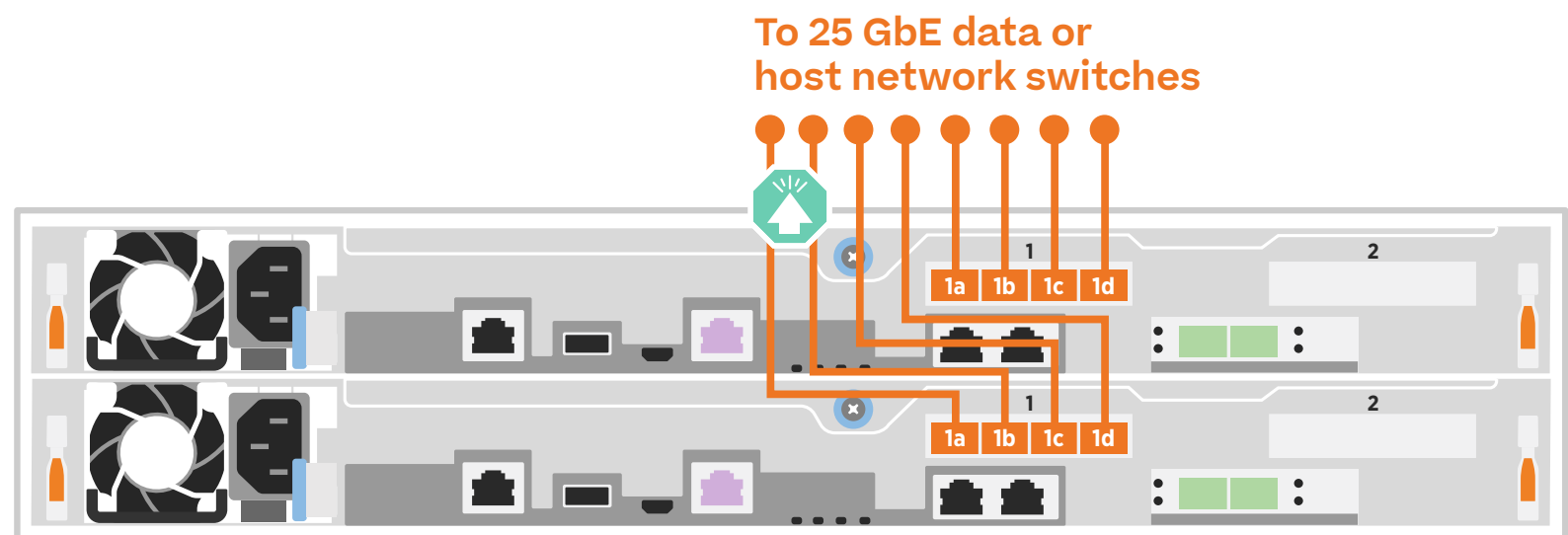
**Attention:** Be sure to check the illustration arrow for the proper cable connector pull-tab orientation.  
**Note:** To unplug a cable, gently pull the tab to release the locking mechanism.

## A 25 GbE host network



25 GbE cables

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

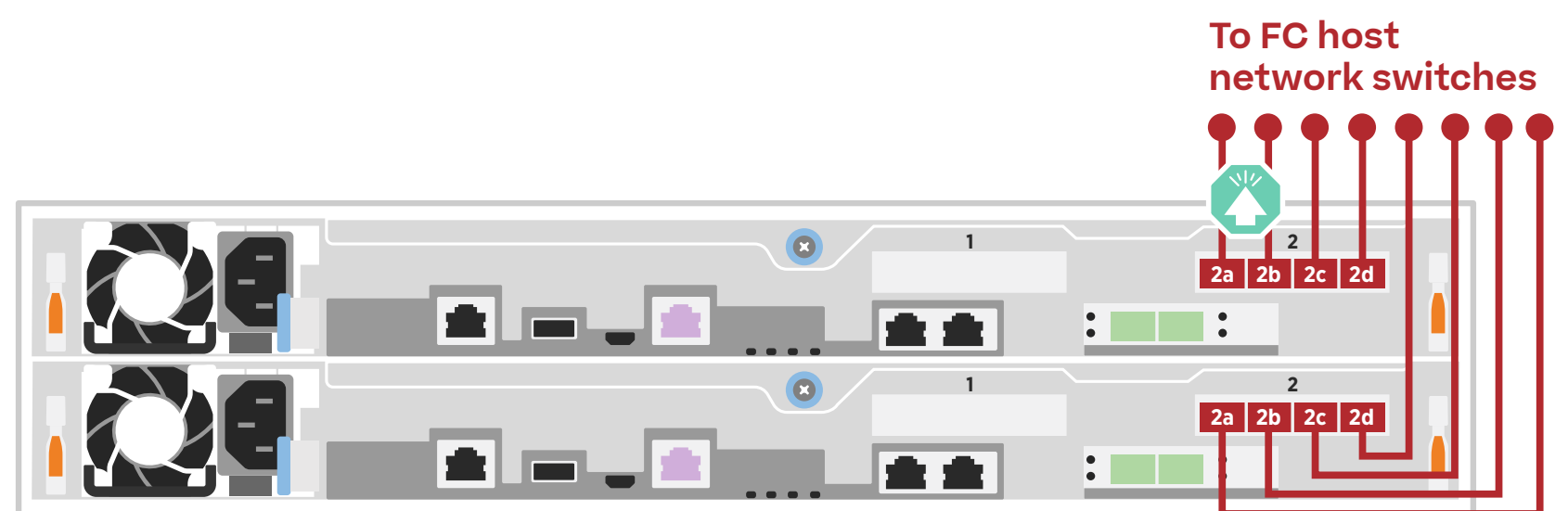


## B FC host network



32 Gb FC cables

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



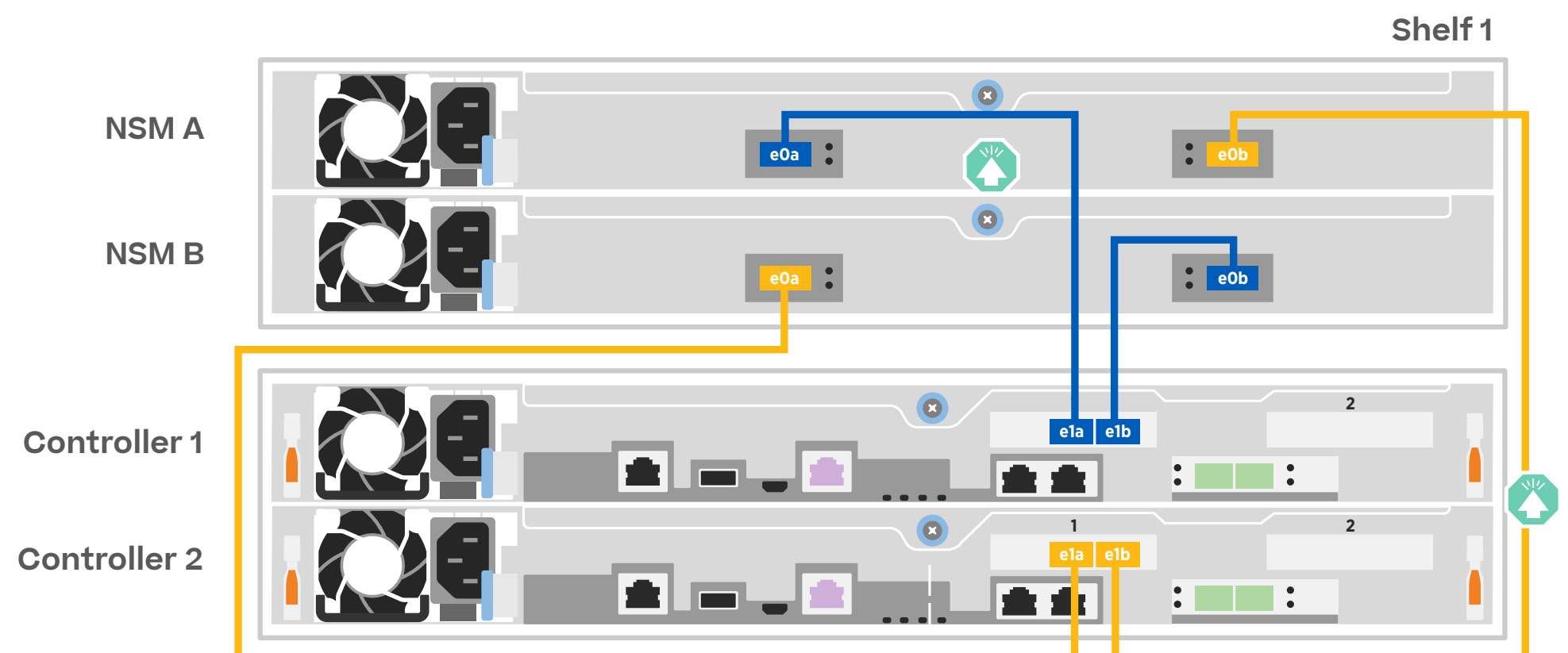
## C External storage

Cabling an AFF A250 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.

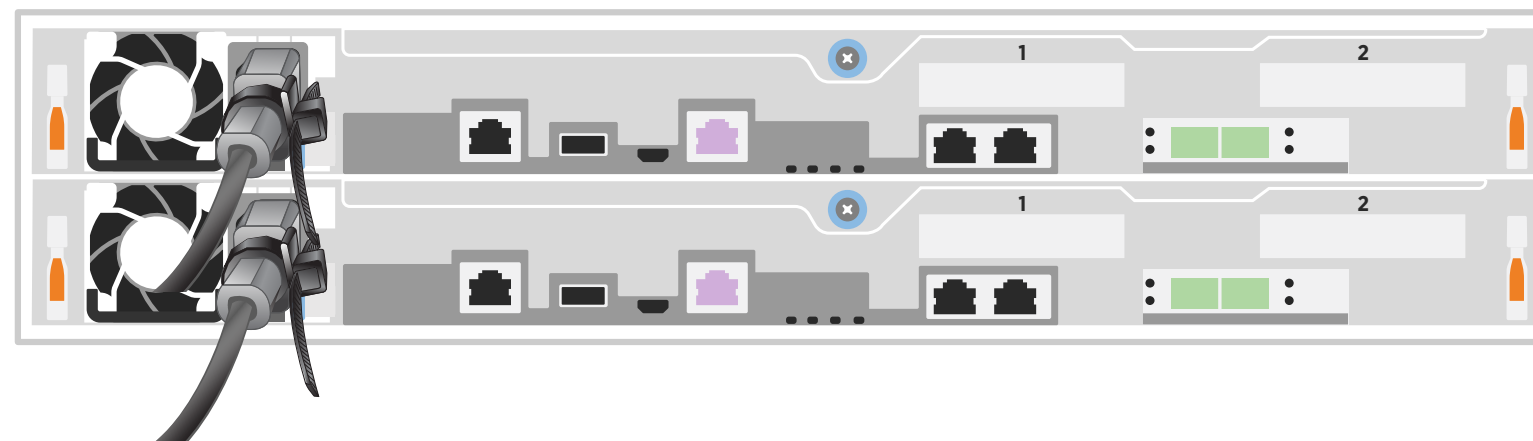


# Complete system setup and configuration | Stage 4

## 1 Power on the controllers:

Connect the controllers to different power sources.

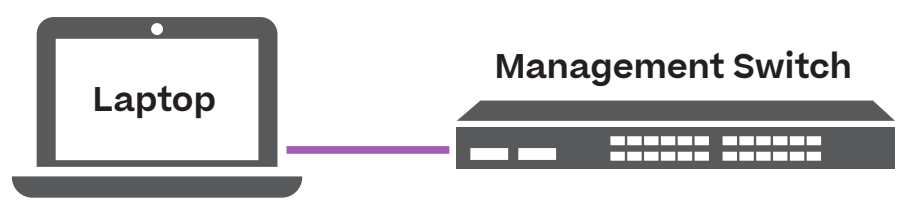
**Note:** The system begins to boot as soon as the power supplies are connected to the power sources. **Booting may take up to 8 minutes.**



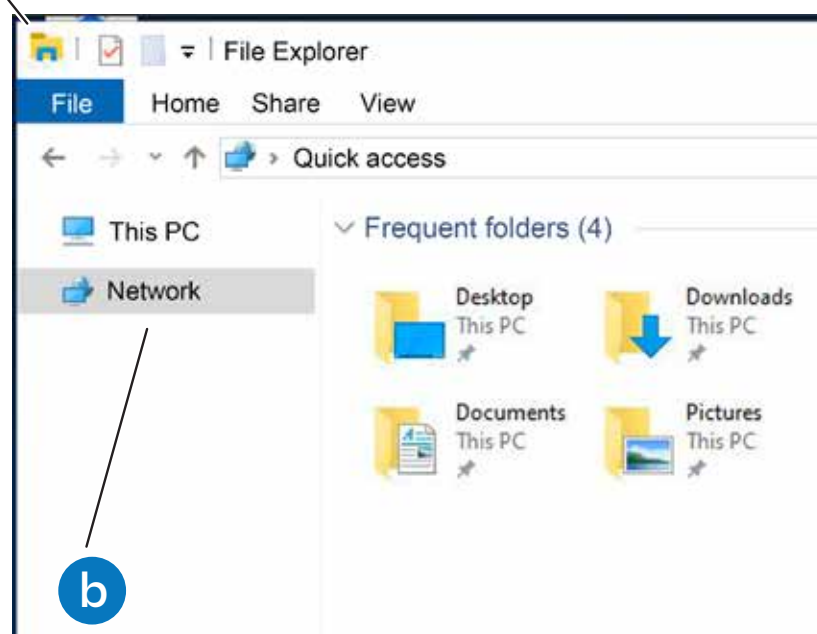
## 2 Complete initial cluster setup with network discovery:

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

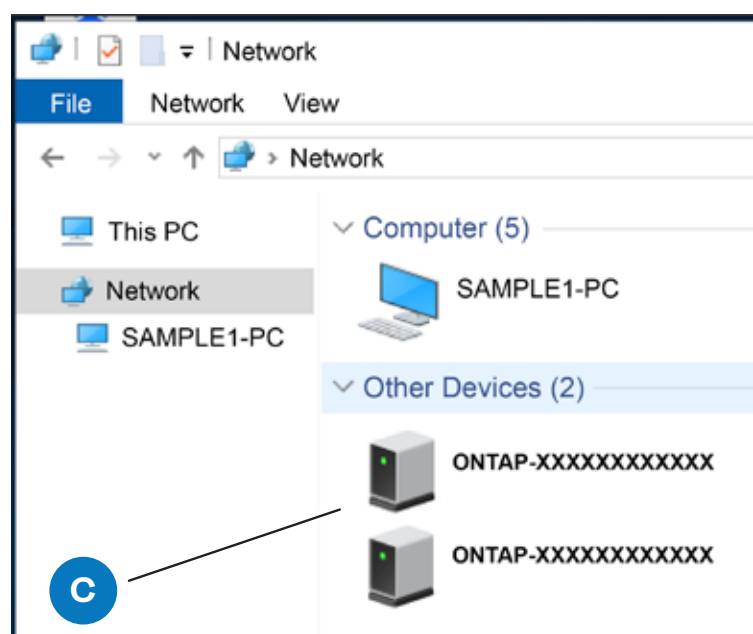
Connect your laptop to the management switch and access the network computers and devices.



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.

The diagram illustrates the network discovery process. On the left, a laptop is connected to a management switch. The main part of the image shows two screenshots of Windows File Explorer. The first screenshot shows the 'Network' pane in the left sidebar, with a callout 'a' pointing to it. The second screenshot shows the 'Network' view, where the 'Other Devices' section contains two 'ONTAP-XXXXXXXXXX' icons, with a callout 'c' pointing to one of them. A note below the second screenshot says 'Double-click either ONTAP icon. Note: Accept any certificates displayed on your screen.' A callout 'b' points to the 'Network' icon in the left pane of the first screenshot, with the text 'Click network in the left pane. Then right click and select refresh.'

## 3 Use System Manager Guided Setup to configure your cluster.

## 4 Completing setup

1. Click...
  - a) [mysupport.netapp.com](https://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.