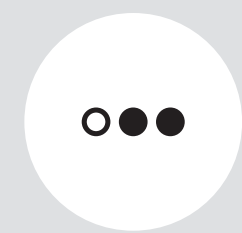


FAS2800 Systems

Installation and Setup Instructions

Prepare for installation	1	Install hardware	2	Cable storage	3	Complete system setup and configuration
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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.

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

10Gb Ethernet, SFP28 Network cable



Part numbers:
X6566B-05-R6, .5m
X6566B-2-R6, 2m

25Gb Ethernet, SFP28 Network cable



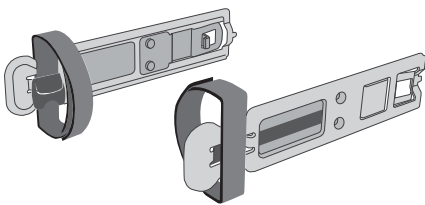
Part numbers:
X66240A-05, .5m
X66240-2, 2m
X66240A-5, 5m

10GBASE-T, RJ45 Network cable



Part numbers:
X6561-R6
X6562-R6

Cable management arms



32Gb Fiber Channel, SFP+ (target/initiator) Network cable



Part numbers:
X66250-2, 2m
X66250-5, 5m
X66250-15, 15m

MiniSAS HD cable Storage connections



Part numbers:
X66030A, 0.5m
X66031A, 1m
X66032A, 2m

Additional cables



Ethernet cables

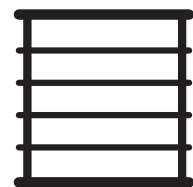


Power cables

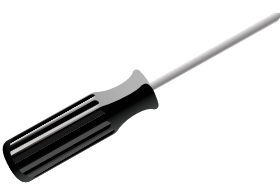
Slide rail kit



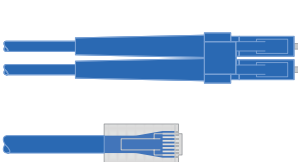
You provide



Rack space
2U per chassis



Screwdriver
Phillips #2



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

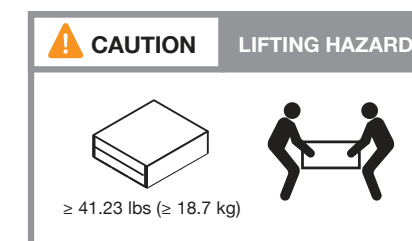
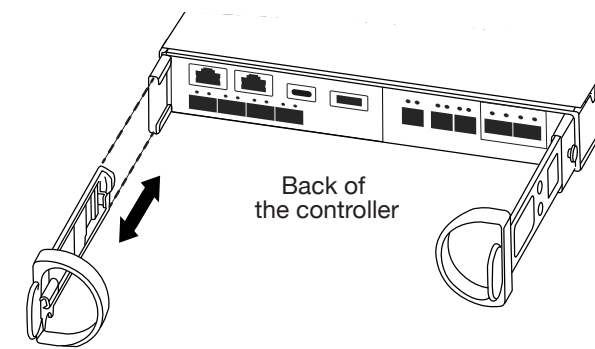


Laptop or console
With a USB/serial connection and access to a Web browser to configure your storage system

Install hardware | Stage 2

1 Install the system

1. Use the rail or telco kit instructions to install controllers and shelves in the rack. Use the [42U 1280 mm System Cabinet Guide](#) for cabinet installation.
2. Attach cable management devices to the back of each controller (as shown).
3. Place the bezel on the front of the system.



2 Cable controller for a switchless or switched cluster

See your network administrator for help connecting to your switches.



- 1 **Switchless cluster:** Connect port e0a to port e0a and port e0b to port e0b.

Switched cluster: Connect port e0a and port e0b on each controller to the cluster interconnect switches.



- 2 Connect the wrench port (e0M+BMC) on both controller modules to the management subnet switches.

- 3 Cables used are dependent on what mezzanine card is installed. See page 1 for cable part numbers and descriptions and match them to the cables in your shipment.



4-ports, 10/25Gb Ethernet, SFP28
4-ports, 32Gb Fiber Channel, SFP+ (target only)
4-ports, 32Gb Fiber Channel, SFP+ (initiator/target)
4-ports, 10GBASE-T, RJ45

Cable ports e1a through e1d to your Ethernet data network or ports e1a through e1d for your FC network.

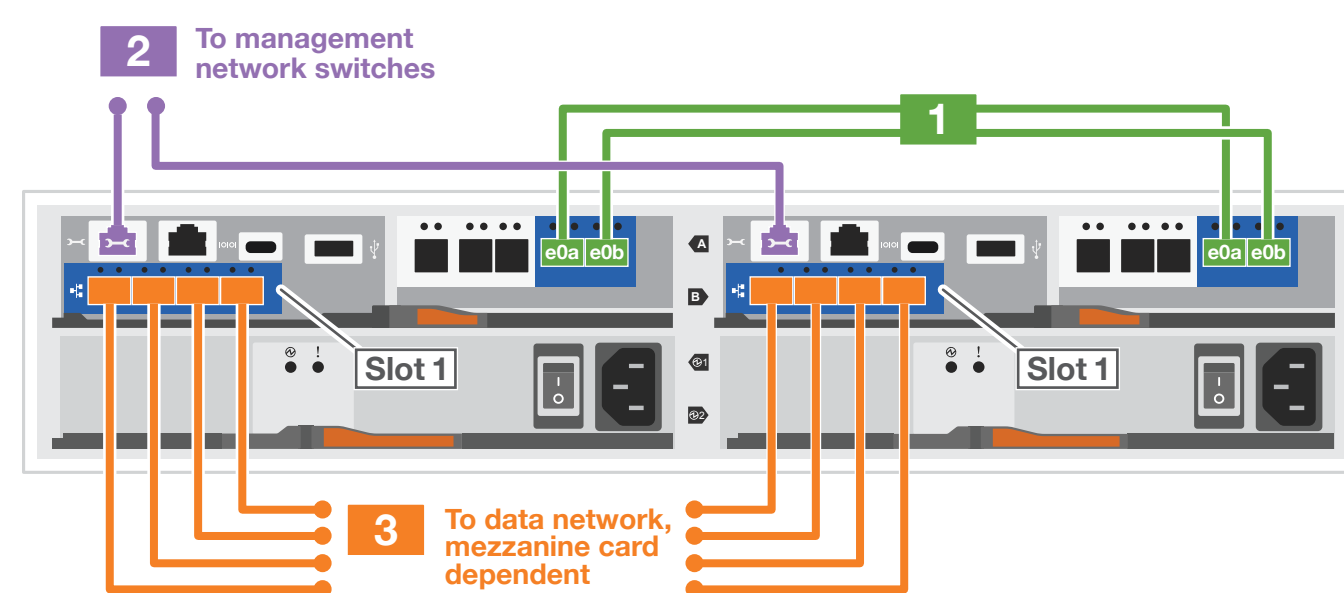


2-ports, 10/25Gb Ethernet (SFP28) + 2-ports 32Gb FC (SFP+)

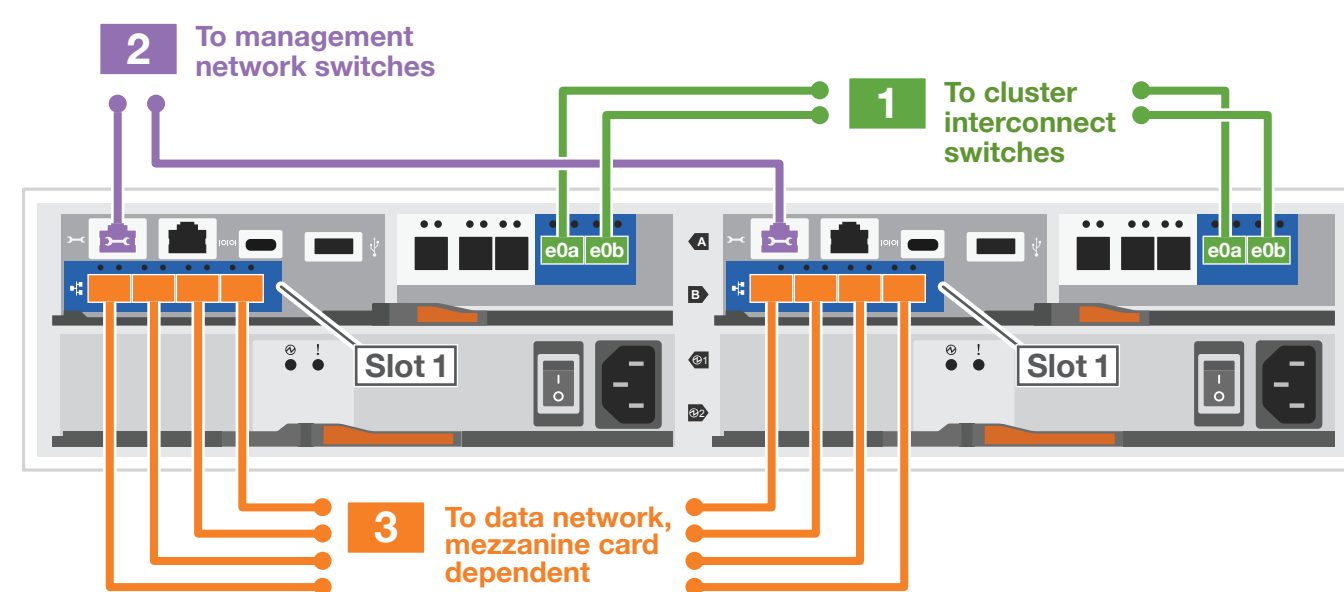
Cable ports 1a and 1b to your FC data network and ports e1c and e1d to your Ethernet data network.

- 4 Strap the cables to the cable management arms (not shown).

Switchless cluster



Switched cluster



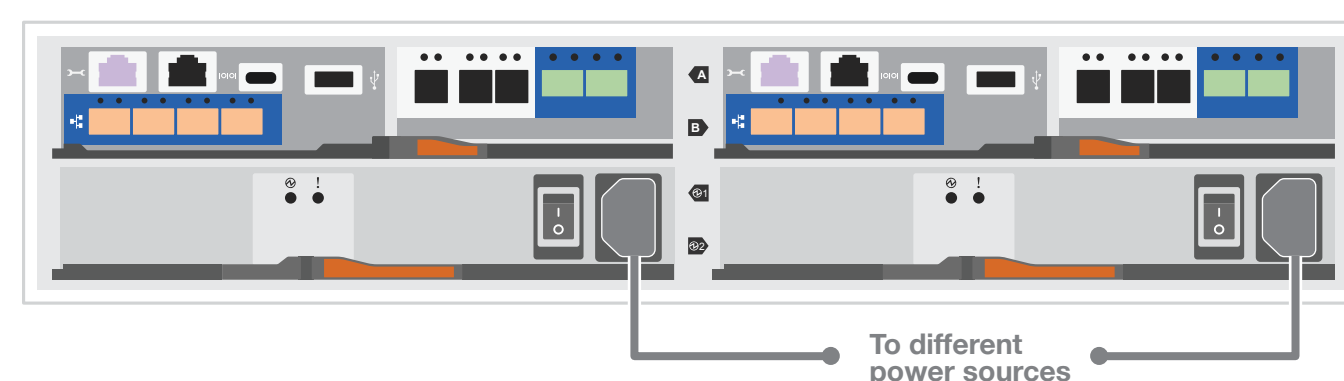
3 Connect both power cords



Connect the power cables to both power supplies. Use the power cable retaining clips.

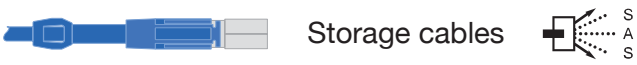


DO NOT turn on the power supply switches.



Cable storage | Stage 3

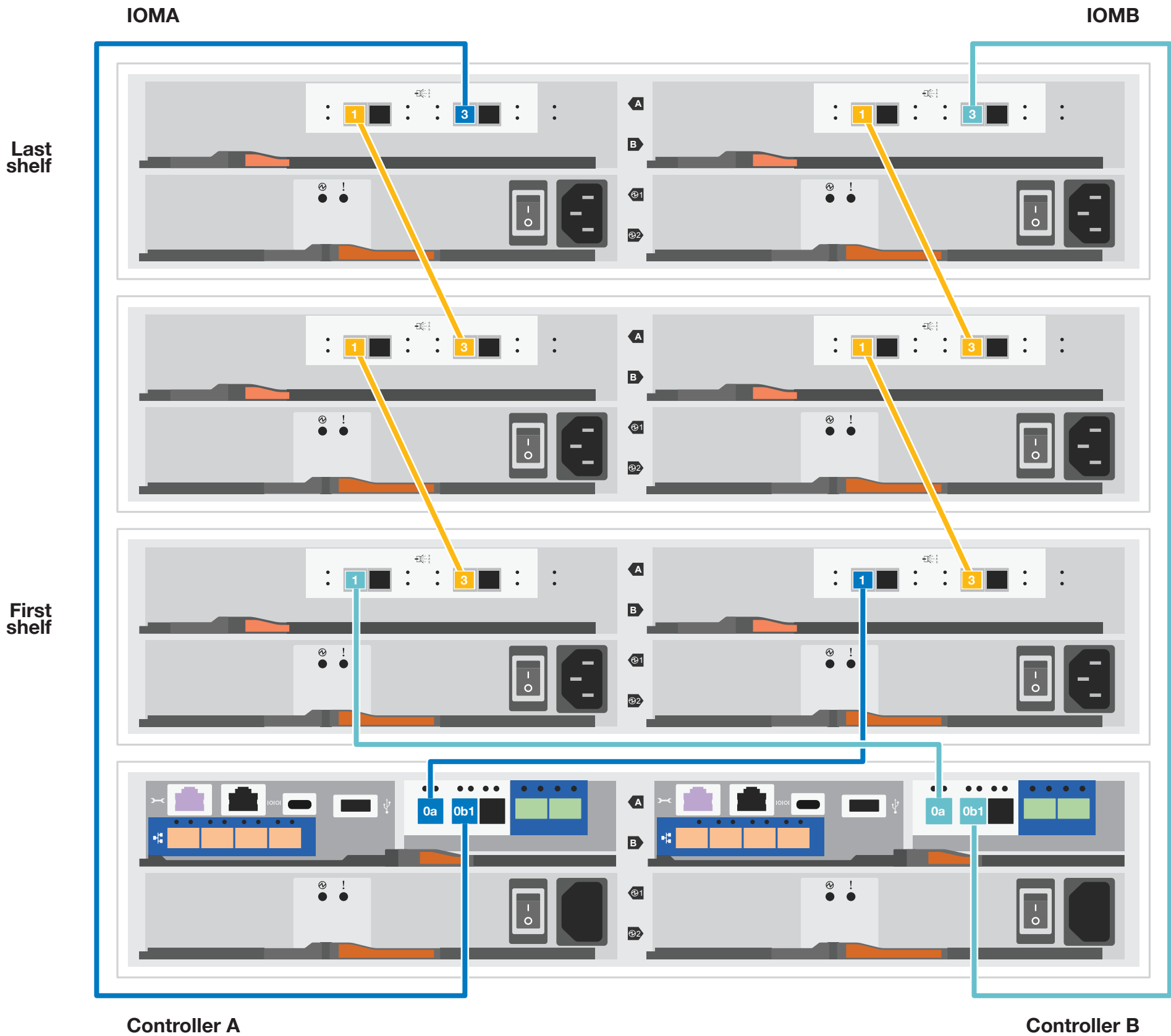
Cable FAS2800 series to external DS224C or DS212 drive shelves



Insert mini-SAS HD cable tab **DOWN** and gently push into place until it clicks.

- 1 Connect the shelf-to-shelf ports.
- 2 Connect Controller A to the drive shelves.
- 3 Connect Controller B to the drive shelves.

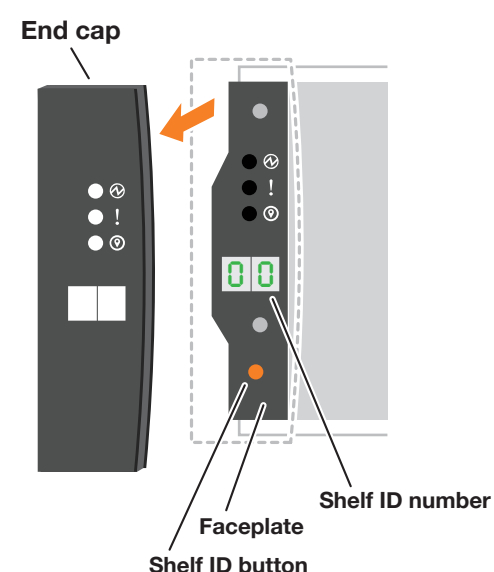
Note: See [SAS cabling rules, worksheets, and examples overview - shelves with IOM12/IOM12B modules](#) for cabling worksheets and additional cabling examples.



Complete system setup and configuration | Stage 4

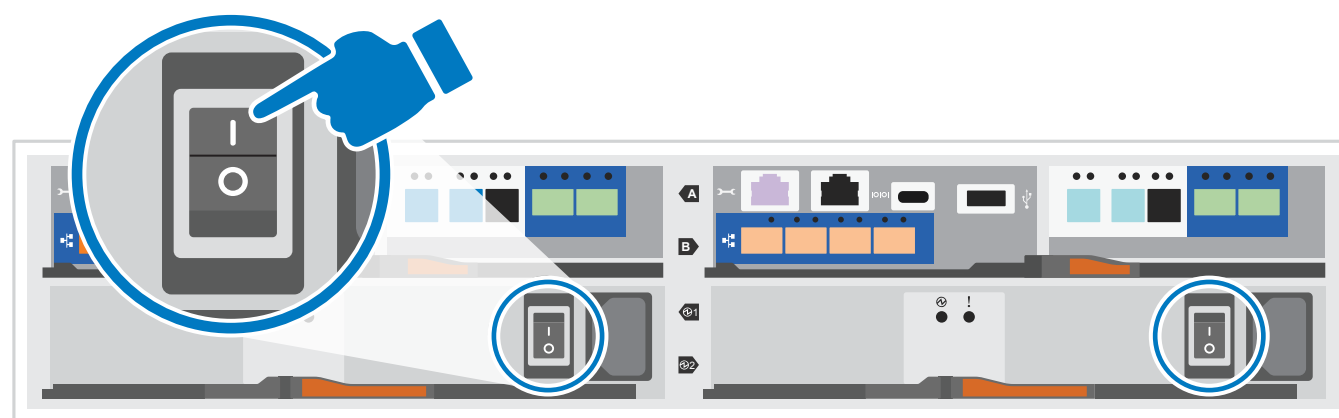
1 Power on the shelves and set shelf IDs

1. Plug the power cords into the shelf power supplies, and then connect them to power sources on different circuits.
2. If you need to change the shelf IDs, continue with substeps a through e; otherwise, skip to “Power on the controllers” below.



- a. Remove end cap
 - b. Press and hold shelf ID button until 1st digit blinks, then push to advance to 0-9.
Note: The first digit continues to blink.
 - c. Press and hold shelf ID button until 2nd digit blinks, then push to advance to 0-9.
Note: The first digit stops blinking, and the second digit continues to blink.
 - d. Replace end cap
 - e. Wait 10 seconds for the Amber LED (!) to appear, then power-cycle the drive shelf to set shelf ID.
- Repeat these steps for any remaining drive shelves.

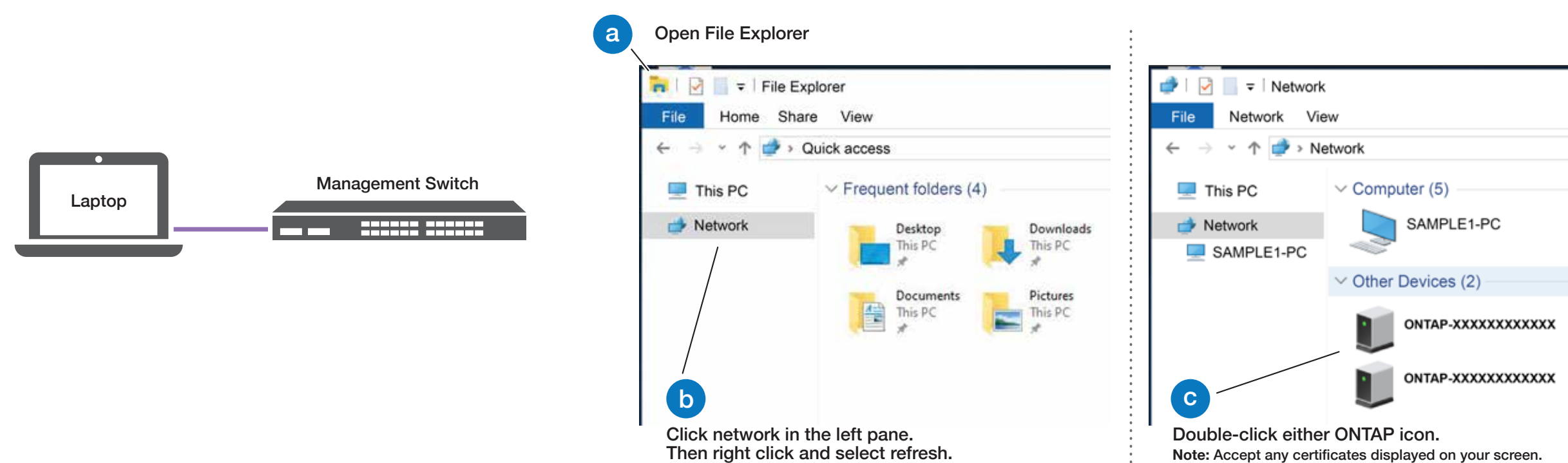
2 Turn on the power switches to all nodes



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 Complete 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.