NetApp®

FAS26xx Series Systems
Installation and Setup Instructions

Prepare for installation | 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 FAS26xx series, and then Installation and Setup:
   - Download and complete the Cluster Configuration Worksheet.
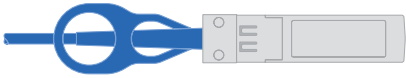   - Watch the videos listed under Setup videos.

In the box

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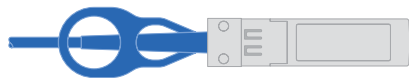
Cluster Interconnect cables
Part number X6566B-05-R6 (112-00297)
or X6566B-2-R6 (112-00299)

**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)

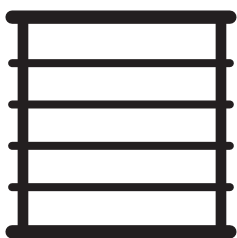**Additional cables**

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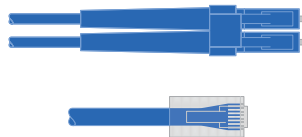
You provide

**Rack space
2U per chassis**

Screwdriver

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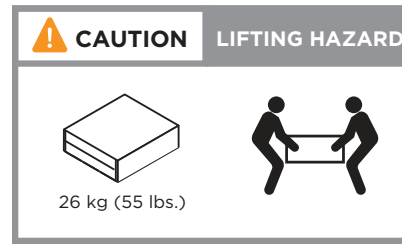network switch and Microsoft® Windows® client

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

215-15014_A0

① Install system

- Rack the system.
  Rail kit: follow instructions in rail kit.
  System cabinet: install in system cabinet.
- Place the bezel over the front of the system.

⚠ CAUTION · LIFTING HAZARD

26 kg (55 lbs.)

② Cable controller for switchless ONTAP (option A) or for switched ONTAP (option B)

See your network administrator for help connecting to your switch.

1 Attach cable management arms.
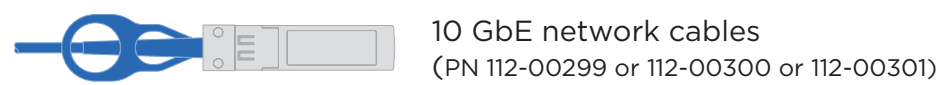
10 GbE network cables
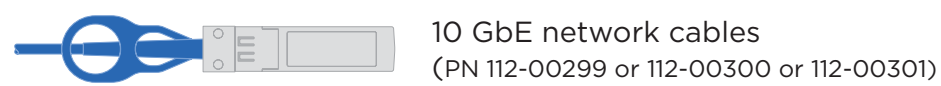(PN 112-00299 or 112-00300 or 112-00301)

2 Connect port e0c/0c to the data switch.
NOTE: Port e0c is required;
other ports are available if needed.

Ethernet cables

3 Connect the wrench port
to the management or subnet switch.

10 GbE network cables
(PN 112-00299 or 112-00300 or 112-00301)
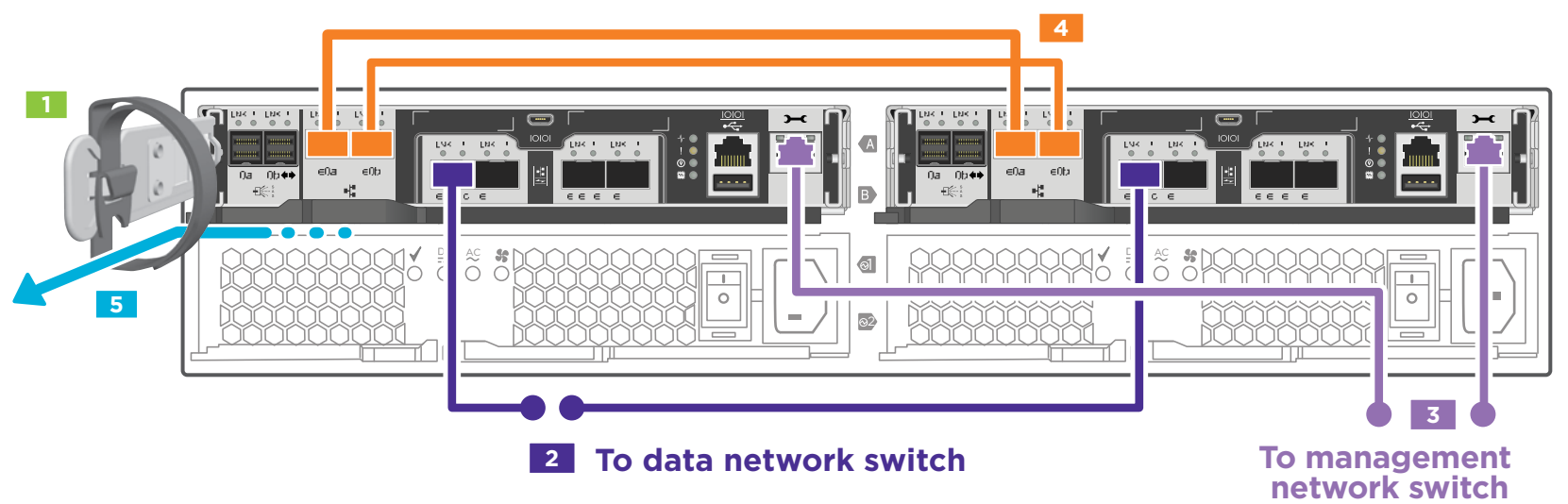
4A **For option A only**
Connect port e0a to port e0a
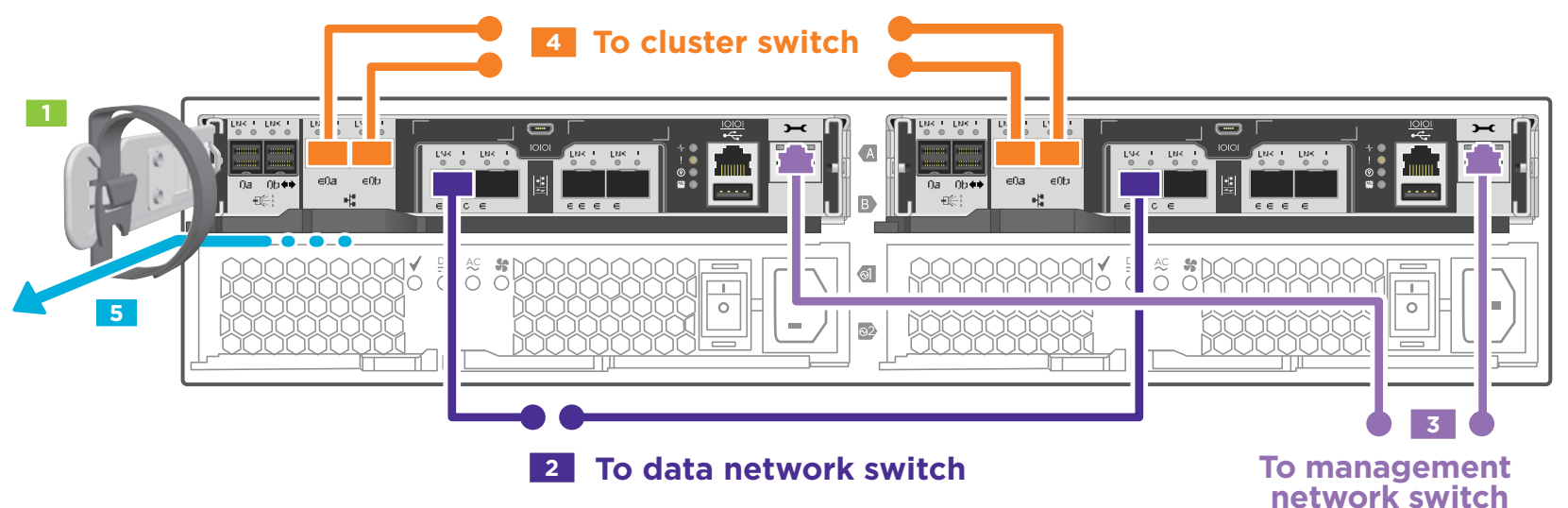and port e0b to port e0b.

4B **For option B only**
Connect port e0a and port e0b
to the cluster switch.

5 Strap the cables to the
cable management arms.

A | Switchless ONTAP

2 To data network switch
3 To management network switch

B | Switched ONTAP

4 To cluster switch
2 To data network switch
3 To management network switch

③ Connect both power cords

Both power cords MUST be used for all units.

Power cables

Use retaining clips   Use retaining clips
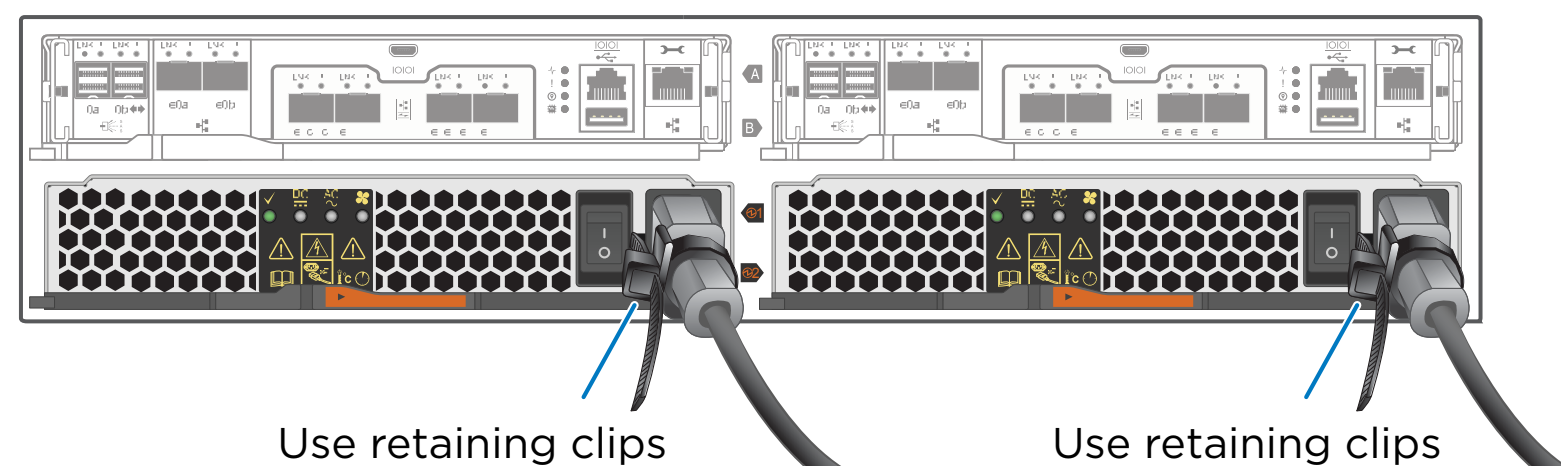
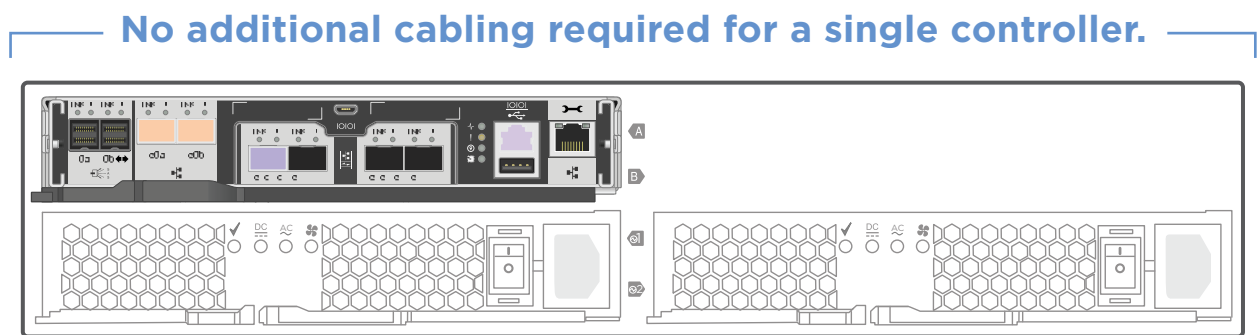**🛑 DO NOT power on system at this point.**

A | Cabling a FAS26xx series with NO external storage

Storage cables

1 Connect the SAS ports of both controllers:
- Controller 1 0a to Controller 2 0b
- Controller 1 0b to Controller 2 0a

No additional cabling required for a single controller.
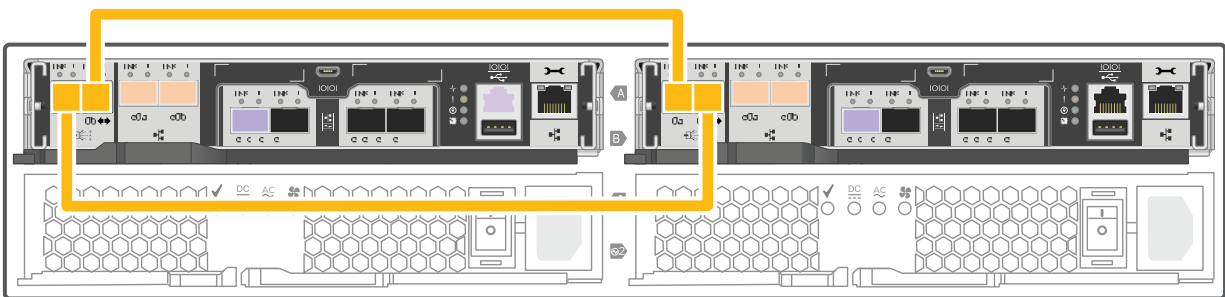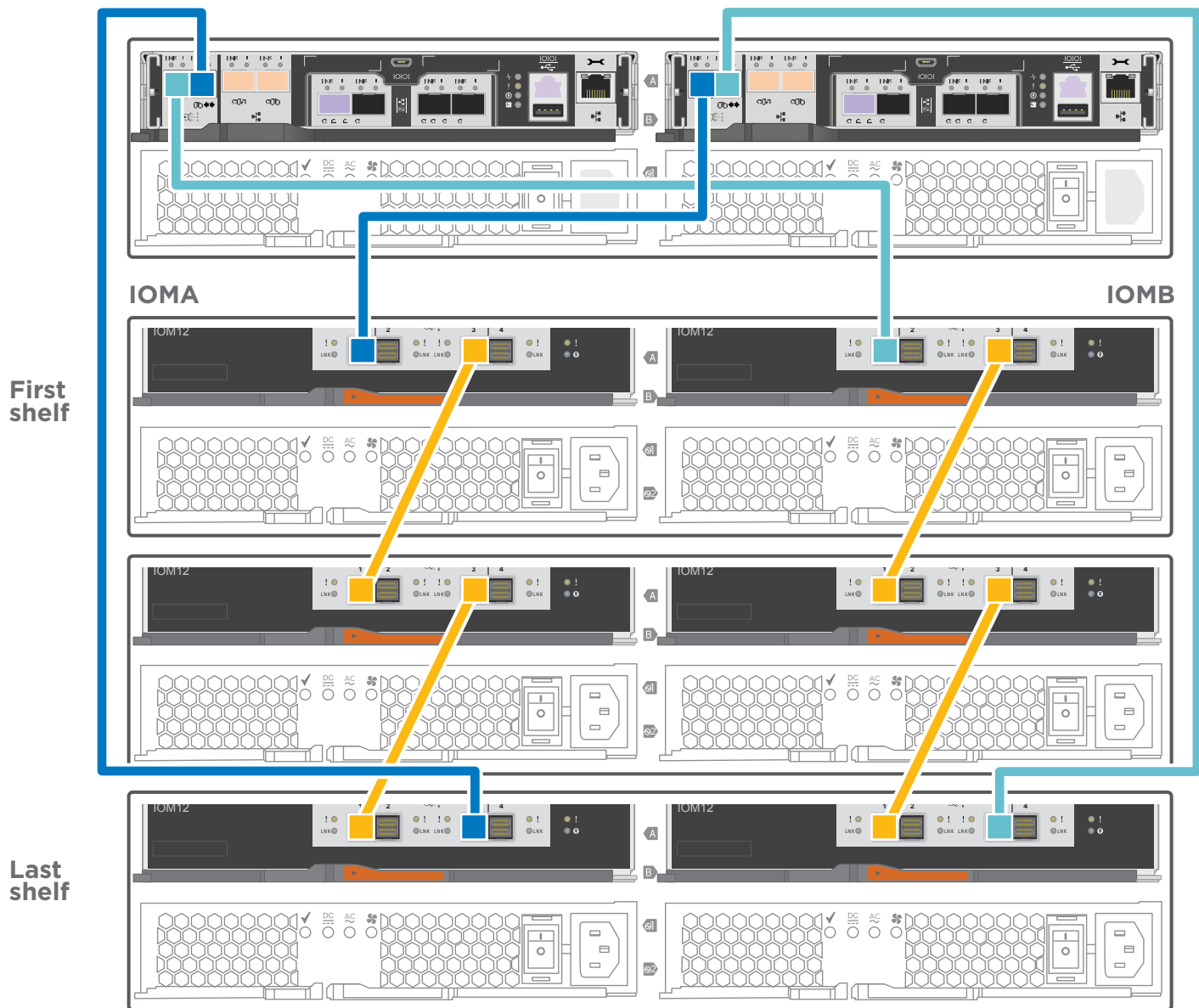
Dual controller system

Single controller system

⛔ **STOP HERE. If you have NO external storage, skip to section 4, complete system setup and configuration.**

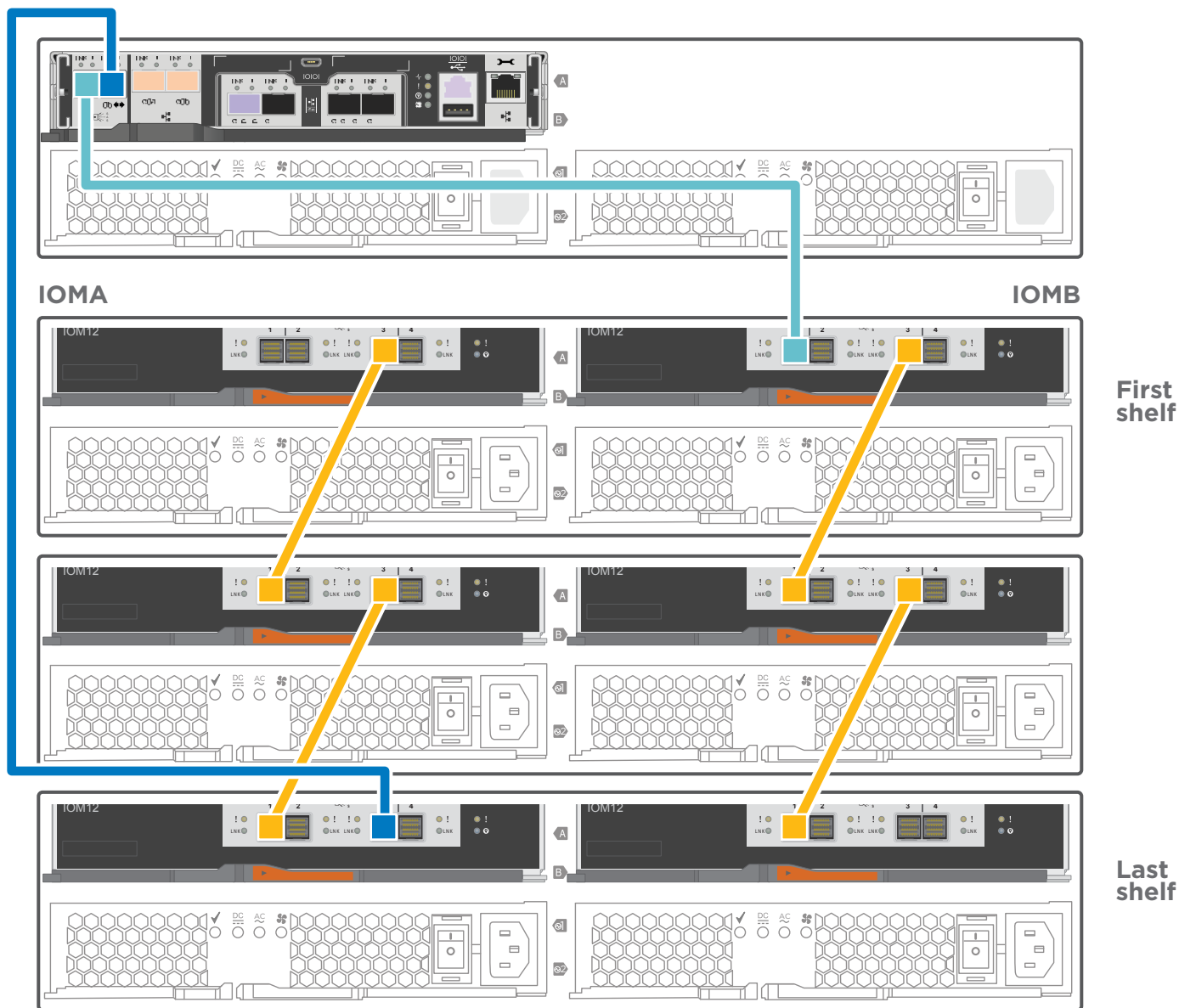## B | Cabling a FAS26xx series WITH external storage (DS212C or DS224C disk shelves)

Storage cables

1 Connect the shelf-to-shelf ports through each domain (IOM A and IOM B)
2 Connect each node to IOM A in the stack
3 Connect each node to IOM B in the stack

IOMA   IOMB

First shelf

Last shelf

Dual controller system

IOMA   IOMB

First shelf

Last shelf

Single controller system

1 If your system has one or more external drive shelves, set the shelf IDs:

1. Power on the drive shelf, and then remove the end cap on the left of the shelf.
2. Press and hold the orange button until the first digit blinks, and then press the button to advance the first digit (0-9) to the desired number. The first digit continues to blink.
3. Press and hold the button until the second digit blinks, and then press the button to advance the second digit (0-9) to the desired number. The first digit stops blinking, and the second digit continues to blink.
4. Press and hold the button until the second digit stops blinking, and then replace the end cap on the shelf.
5. Wait about 10 seconds for both digits to start blinking again and for the LED to illuminate, and then power-cycle the drive shelf to make the shelf ID take effect.
6. Repeat these steps for any remaining drive shelves.

2 Complete initial cluster setup:

Ensure the controller modules are completely cabled and then turn the power supplies.

OPTION A — If your laptop has network discovery enabled:

1. Make sure that your laptop has network discovery enabled. See your laptop's help for more information.
2. Connect your laptop to the Management switch.

Management subnet — Laptop

ONTAP-XXXXXXXXXXXX

3. Go to network devices and double-click either ONTAP icon.
Note: Accept any certificates displayed on your screen.

OPTION B — If your laptop does not have network discovery enabled:

micro USB console cable

1 Set the console port on the laptop to 115,200 baud with N-8-1, connect to the micro-USB port on the controller with the console cable.

Ethernet cable

2 Connect the laptop to the Management switch and give the laptop a TCP/IP address on the management switch

3 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 use Cluster Setup wizard to assign the node management IP address.
   a. Open a console session using PuTTY, a terminal server, or the equivalent for your environment.
   b. Enter the management IP address when prompted by the script.

4 Open a browser and enter management IP address. (https://xxx.xxx.xxx.xxx)

FAS26xx series system

Laptop

Management subnet
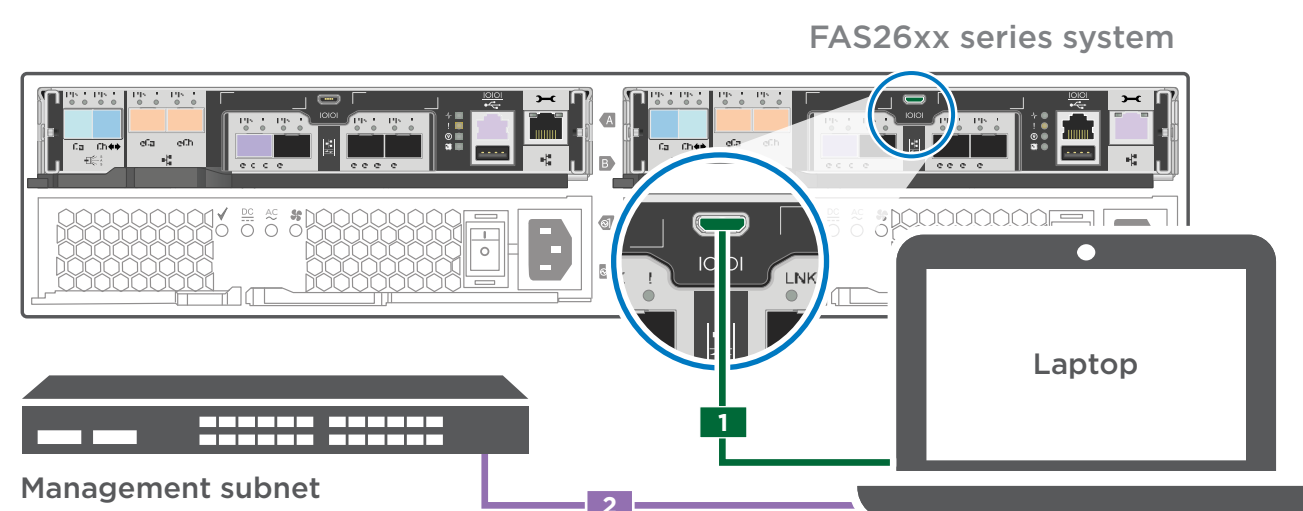
3 Use System Manager Guided Setup to configure your cluster

4 Completing setup

1. Verify the health of your system by running Config Advisor.
2. After you have completed the initial configuration, go to the **NetApp ONTAP Resources** page for information about configuring additional features in ONTAP.