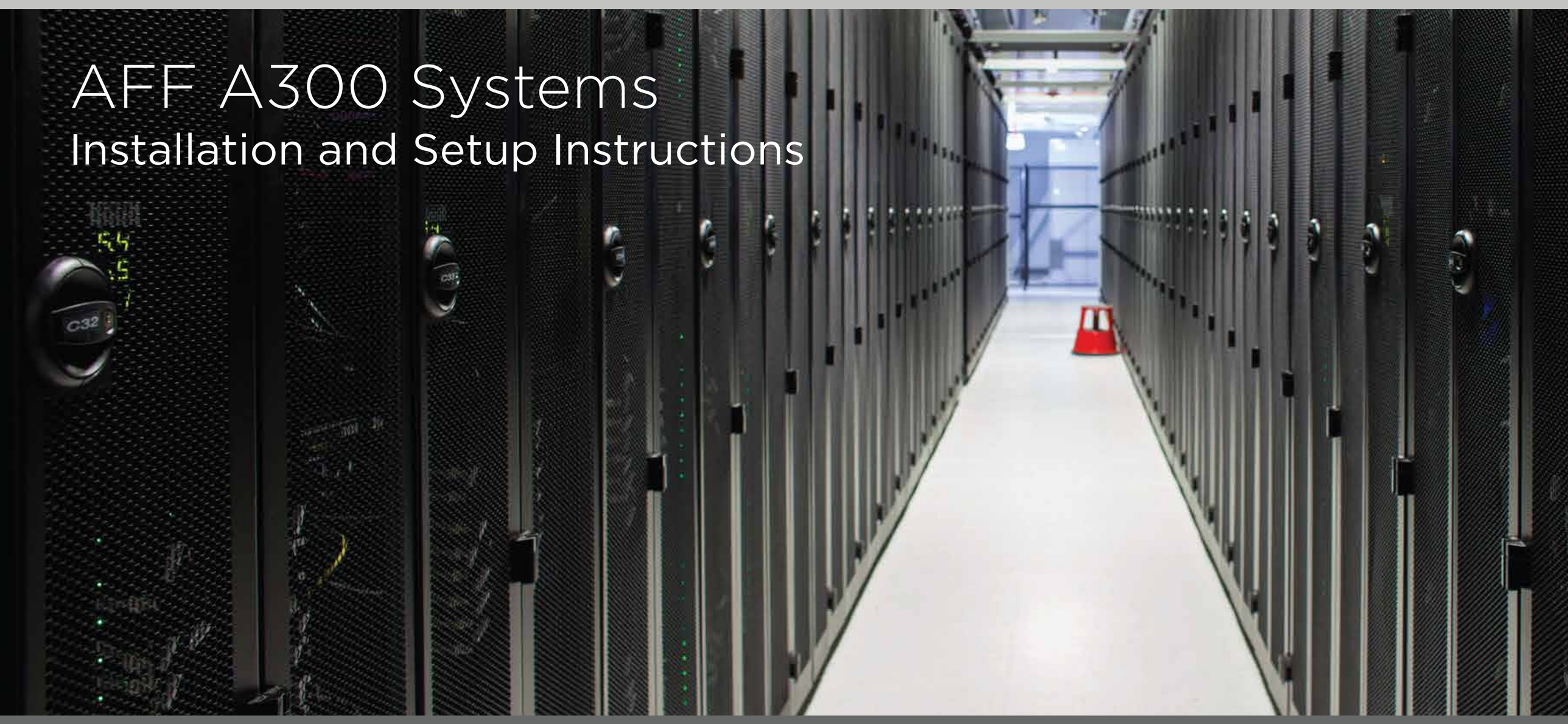
NetApp®



AFF A300 Systems
Installation and Setup Instructions

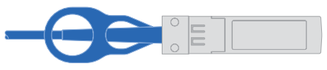
Prepare for installation | Stage 1

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.
2. If you are not already in the AFF and FAS System Documentation Center go to https://docs.netapp.com/platstor/index.jsp; click AFF A300 systems; click Installation and Setup:
   - Download and complete the Cluster Configuration Worksheet.
   - Watch the Software configuration for vSphere NAS datastores for FAS/AFF systems running ONTAP 9.2 video (or later version if available).

In the box

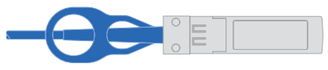
Controller-to-controller cables



Cluster interconnect cable
Part number 112-00297 or 112-00299

Ethernet cables

Data cables



10 GbE network cable
Part number 112-00299 or 112-00300 or 112-00301

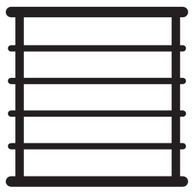
Optical network cable
Part number 112-00188 or 112-00189 or 112-00090

Storage cables

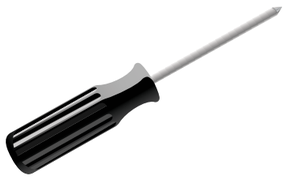
SAS cables
Part number 112-00436 or 112-00437 or 112-00438

Power cables

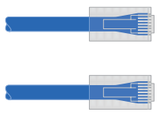
You provide



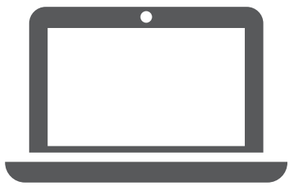
Rack space
3U per chassis



Screwdriver



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



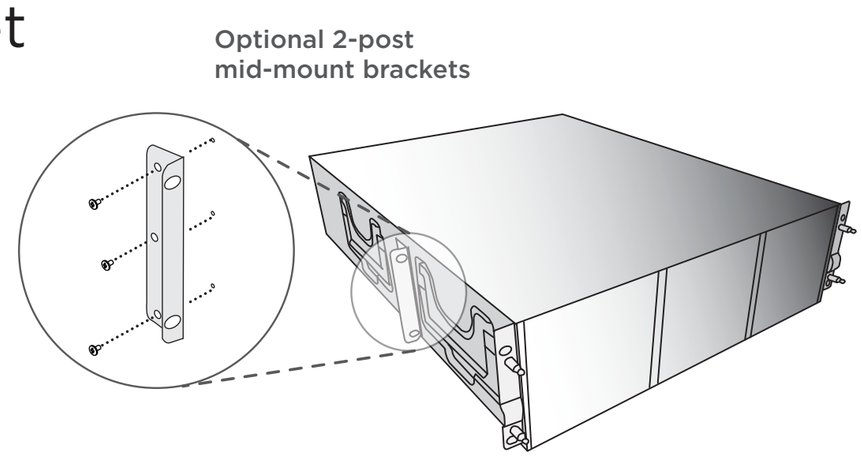
Windows client
Runs the software to configure your storage system

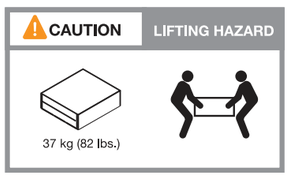
210-06657+B0

Install hardware | Stage 2

1 Install system in a rack or cabinet

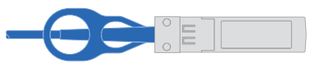
- Install the rail or telco tray kits, as needed, and then install and secure your system using the instructions included with the kit.
- Attach cable management devices (as shown).
- Place the bezel on the front of the system.





2 Cable controller for switchless ONTAP

See your network administrator for help connecting to your switch.

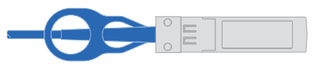


Cluster interconnect cable
(PN 112-00297 or 112-00299)

1 Cable the cluster interconnect e0a to e0a and e0b to e0b ports on both controllers.

Ethernet cables

2 Connect wrench ports to the management switches (for cluster and node mgmt. LIFs).



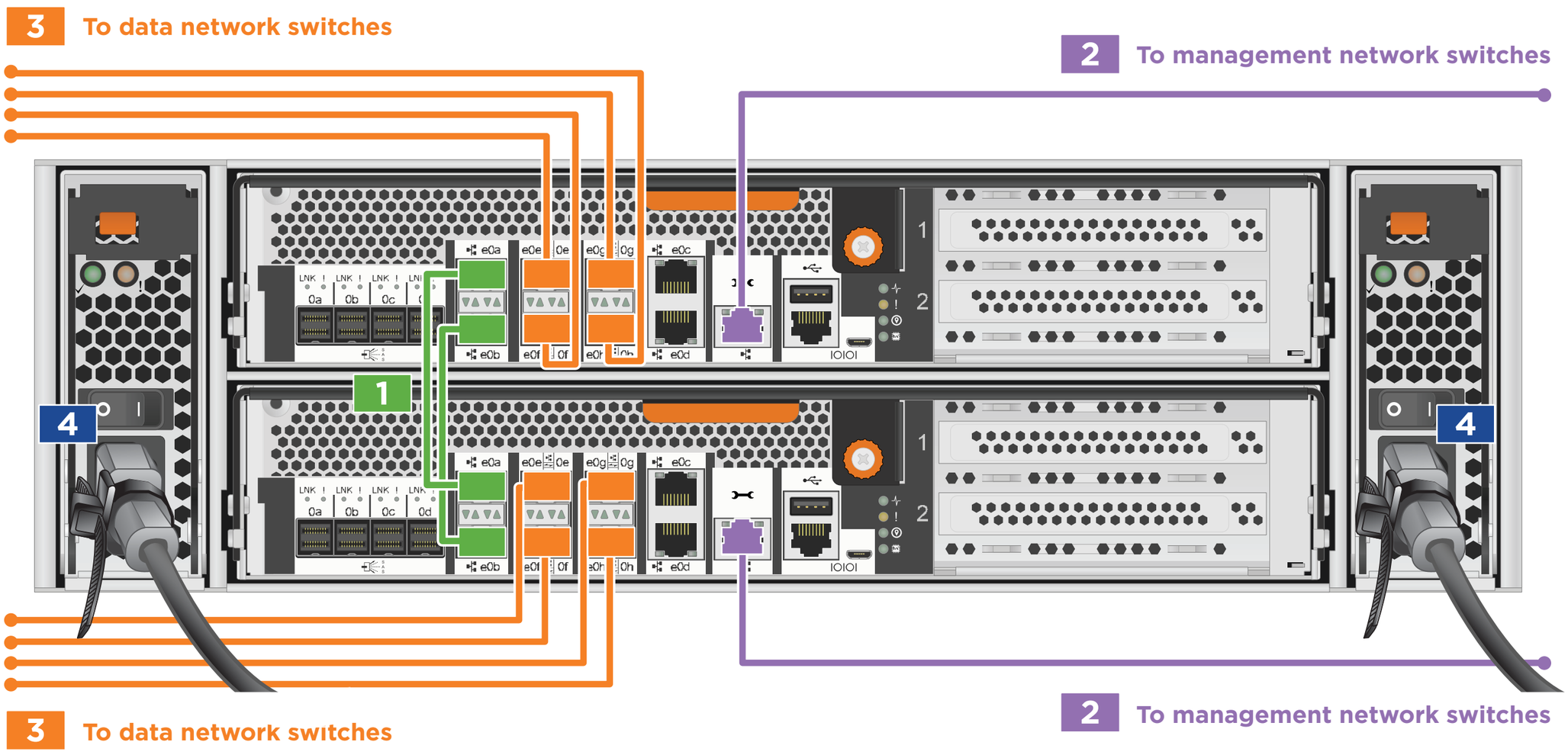
10 GbE network cables
(PN 112-00299 or 112-00300 or 112-00301)

3 Connect e0e|0e through e0h|0h ports to the data switches.

Power cables

4 Connect ALL power cables.

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



DO NOT power on system at this point.

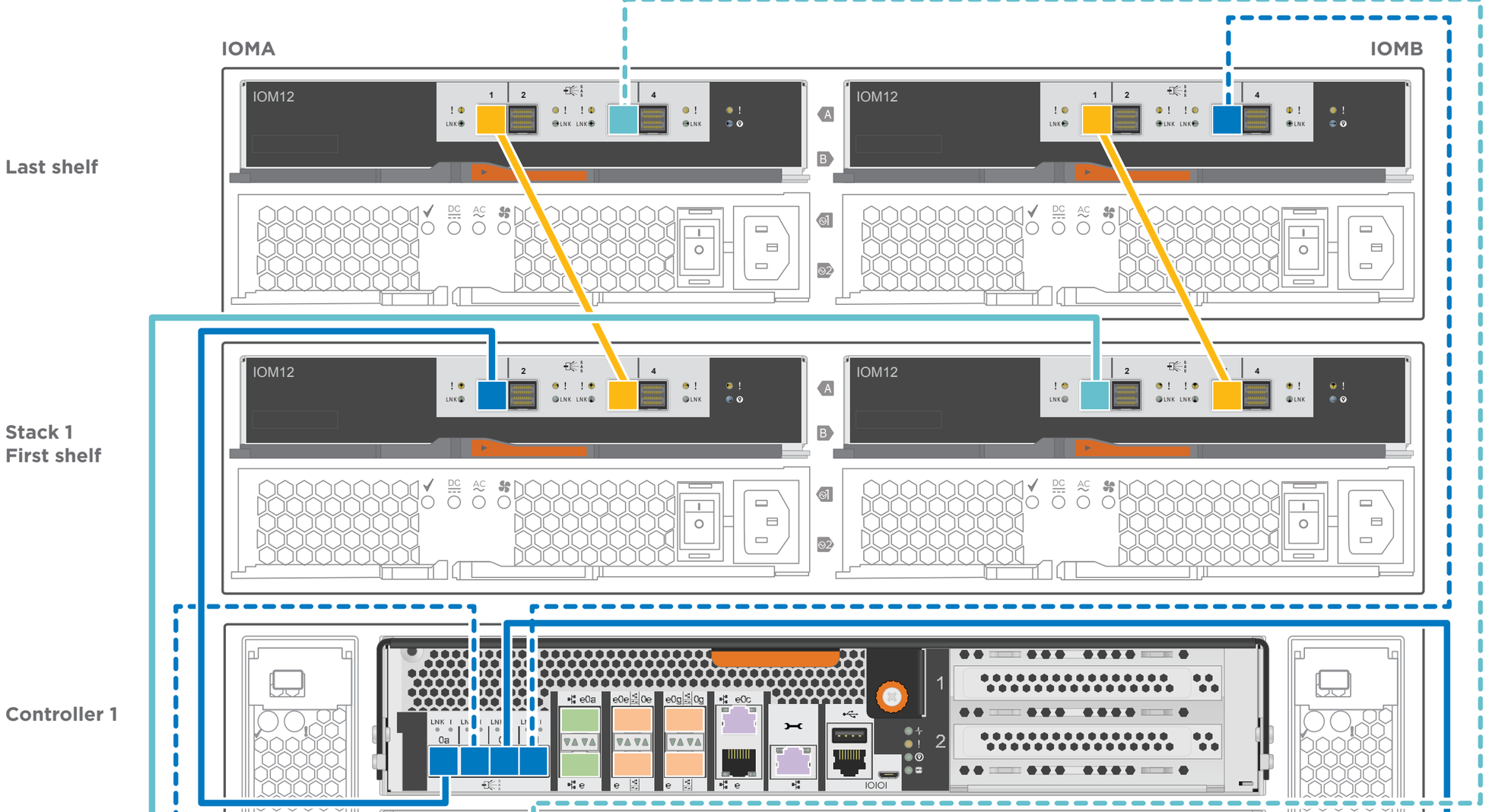
Cable storage | Stage 3

Multi-path HA cabling an AFF A300 WITH two external double-shelf stacks (DS212C or DS224C disk shelves)

Storage cables
(PN 112-00436, 112-00437, or 112-00438)

1. Connect the shelf-to-shelf ports
2. Connect the controllers to the first stack of disk shelves
3. Connect the controllers to the second stack of disk shelves

Primary path from controller to stack
Secondary path from controller to stack



Complete system setup and configuration | Stage 4

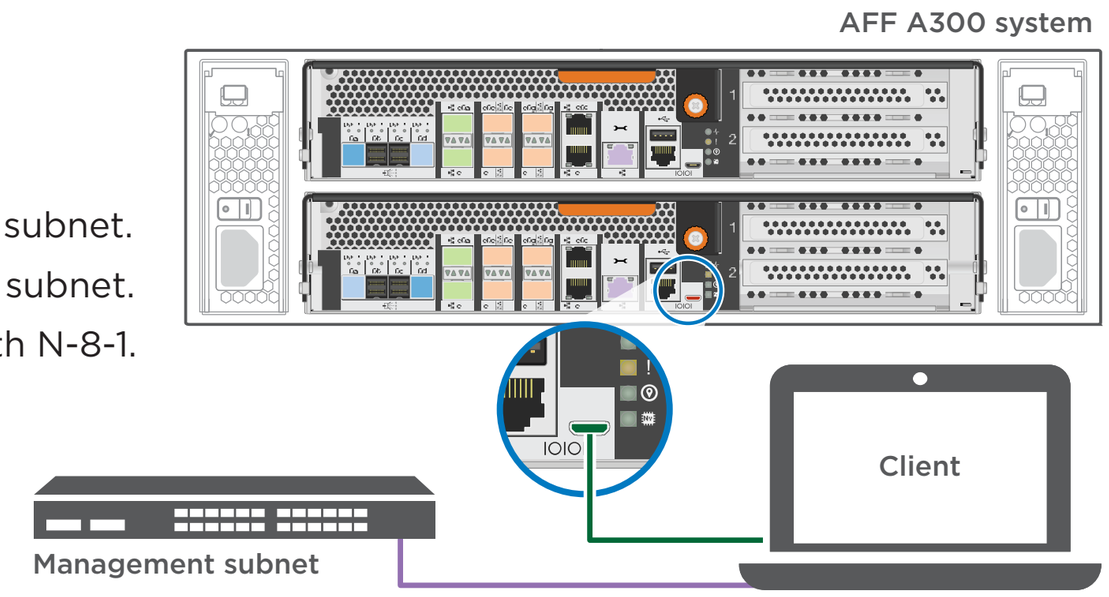
1 Cable and configure your client

micro USB console cable

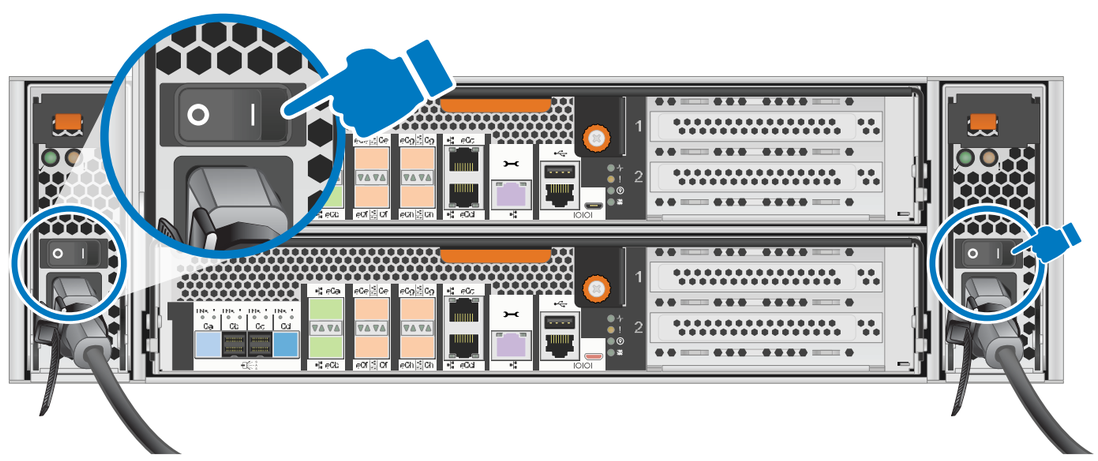
1. Connect the console cable to the client and the console port on the controller module.

Ethernet cable

2. Connect the client to the switch on the management subnet.
3. Give the client a TCP/IP address on the management subnet.
4. Set the console port on the client to 115,200 baud with N-8-1.



2 Turn on the power switches to both nodes



3 Configure your system using the Application Setup Wizard

IF: You have a SAN or NAS optimized system, log into System Manager, as described on the back of your system, and then complete the storage provisioning wizards found under Applications in System Manager.

IF: You have a non-optimized SAN or NAS system, complete the following steps:

1. 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.

   IF: you do not have DHCP, use Cluster Setup wizard:

   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.

2. Use System Manager Guided Setup to configure your cluster:

   a. Point your browser to the node management IP address (from step 1). The format is: https://x.x.x.x.

   b. Configure the system using data from the "Cluster configuration worksheet"