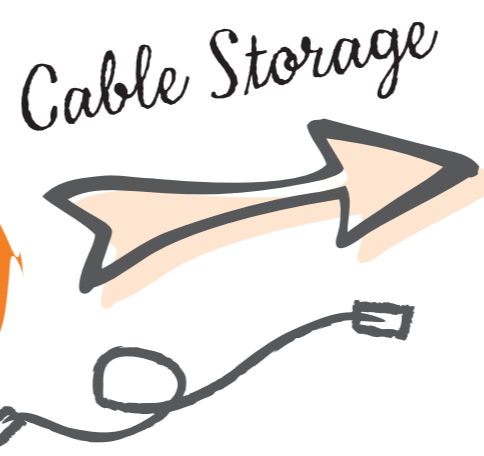




Installation and Setup Instructions

FAS2220/FAS2240-2 System

Prepare for Installation



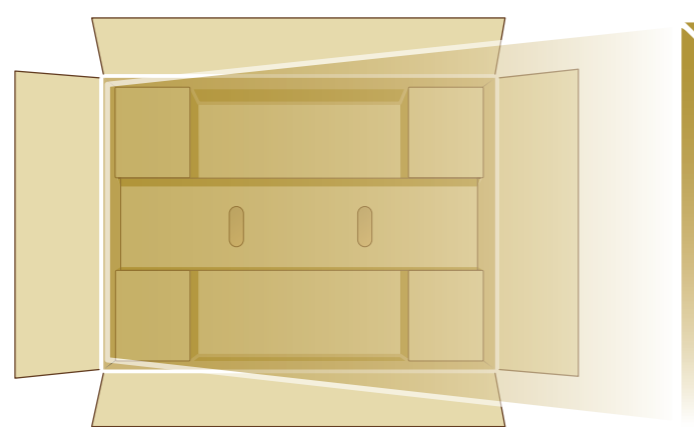
Complete System Setup



1

Prepare for installation

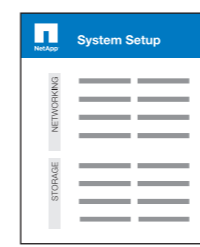
1 Find in the box:



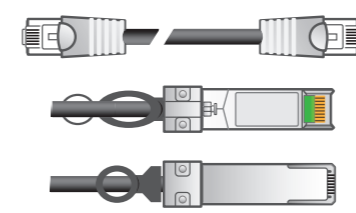
ACCESSORY TRAY



USB flash drive
Contains software and configuration worksheet



Configuration worksheet



Starter network, storage, and 10 GbE cables

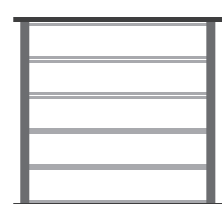


Power cables



Serial cable not needed for this configuration

2 You need to provide:



Rack space

The FAS2220/2240-2 system requires 2U of rack space as well as power and network connectivity



Screwdriver

For securing hardware into your racks



Additional network cables

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



Microsoft Windows client

Runs the software to configure your storage system

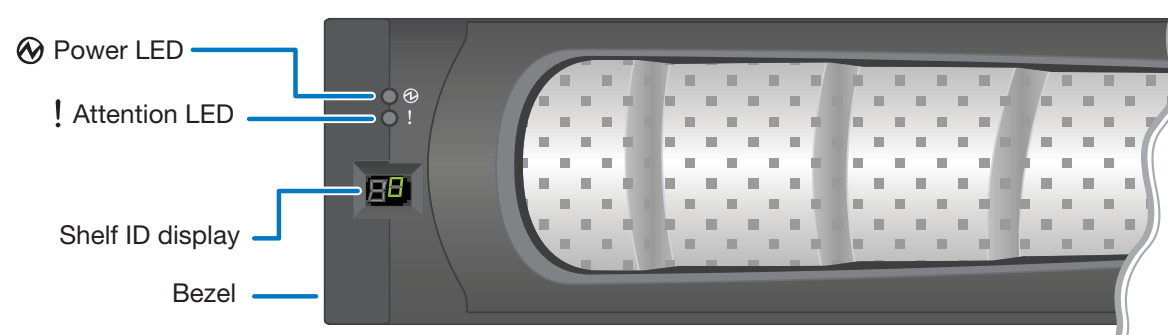


HELPFUL LINKS
ON PAGE 4

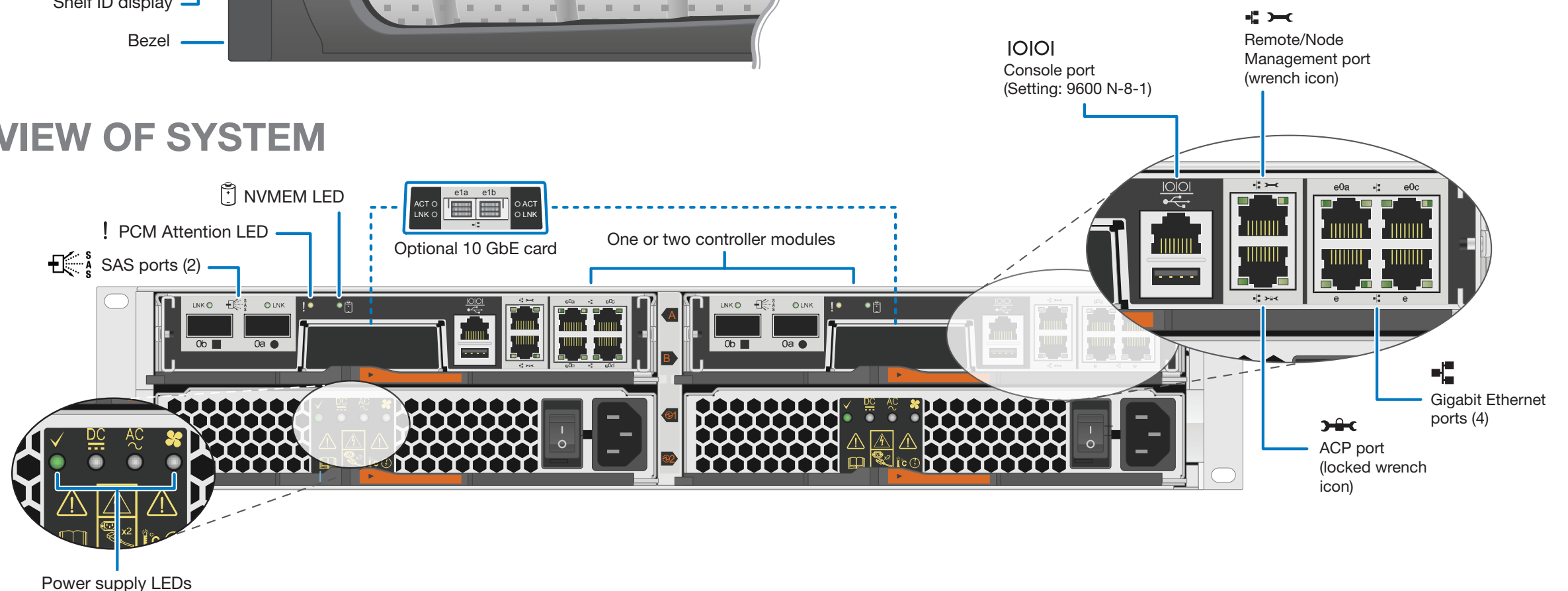


210-05925+A0

FRONT VIEW OF SYSTEM

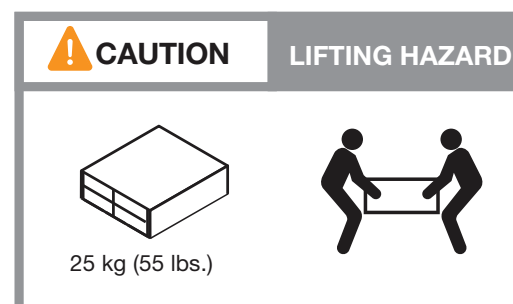


BACK VIEW OF SYSTEM



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.



2 Cable controller (7-Mode) (Choose option A or B below)

A 10/100/1000

- Attach cable management arms.

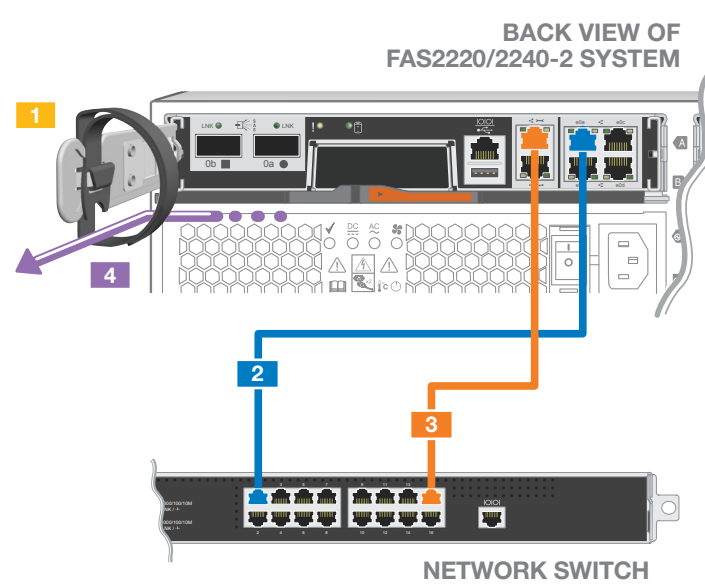
Network cables

- Cable port e0a to the network switch.

NOTE: Port e0a is required; other ports are available if needed.

- Cable the wrench port to the network switch.

- Strap the cables to the cable management arms.



See your network administrator for help connecting to your switch.

B 10 GbE

- Attach cable management arms.

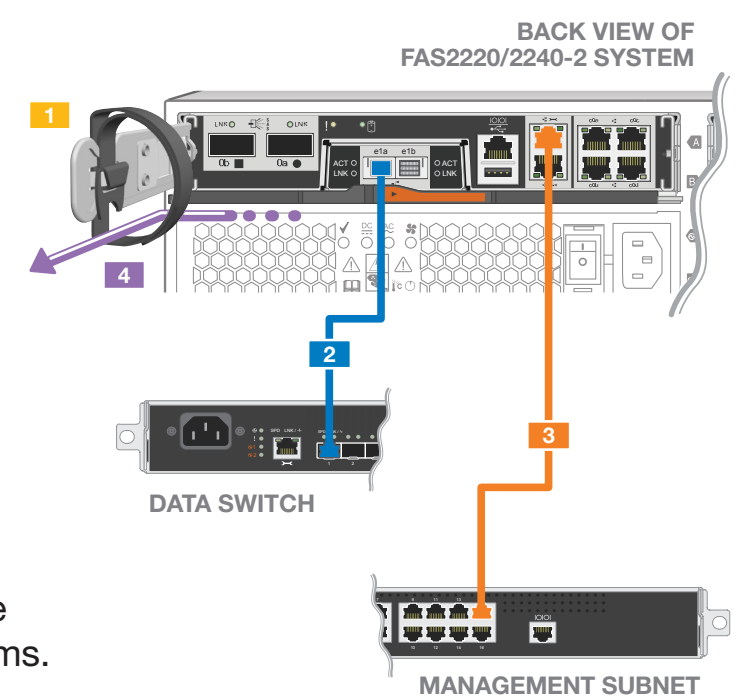
10 GbE cables

- Cable port e1a to data switch.

Network cables

- Cable the wrench port to the management switch.

- Strap the cables to the cable management arms.

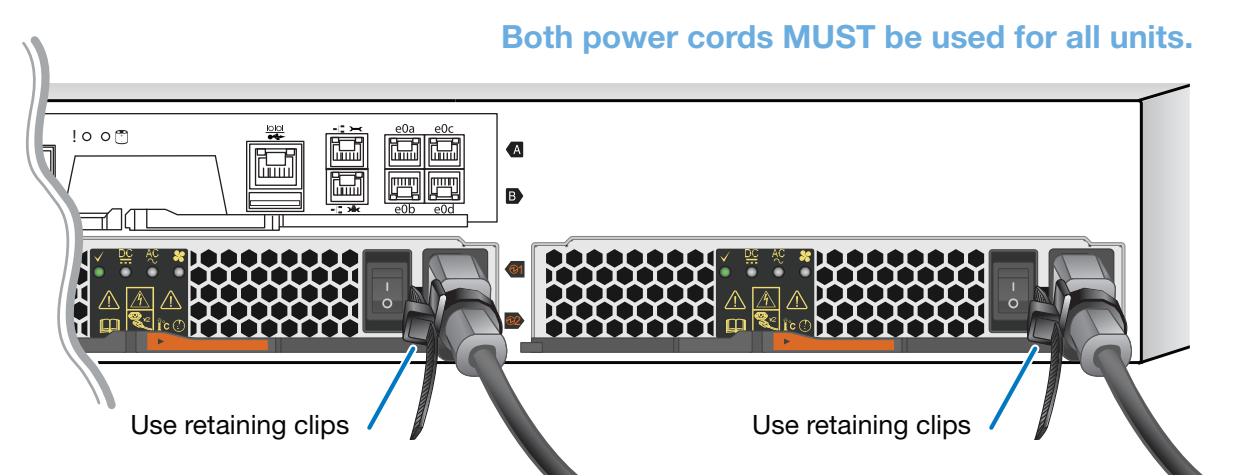


See your network administrator for help connecting to your switch.

3 Connect both power cords

Power cords

DO NOT power on system at this point.



3

Cable storage (Choose option A, B, or C below)

A

Cabling FAS2220/2240-2 systems with NO external storage

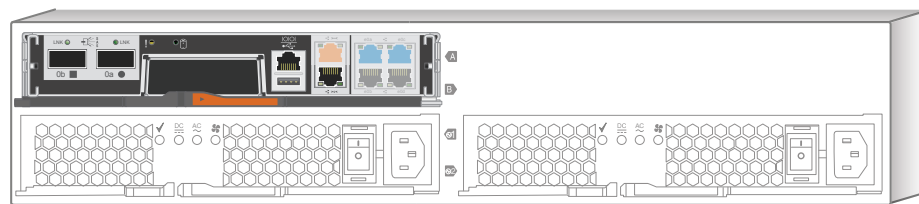
 Storage cables

1 Cable SAS ports

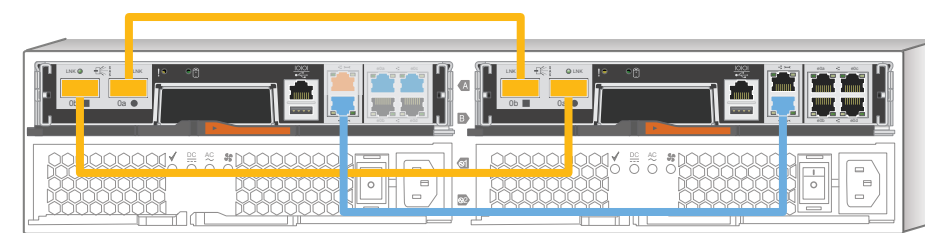
 Network cables

2 Cable ACP ports

No additional cabling required for single controller.



Single controller model



Double controller model
(Multipath HA)

! STOP HERE. If you have NO external storage, skip to **4**.

B

Cabling FAS2220/2240-2 systems WITH external storage DS424x disk shelves

 Storage cables

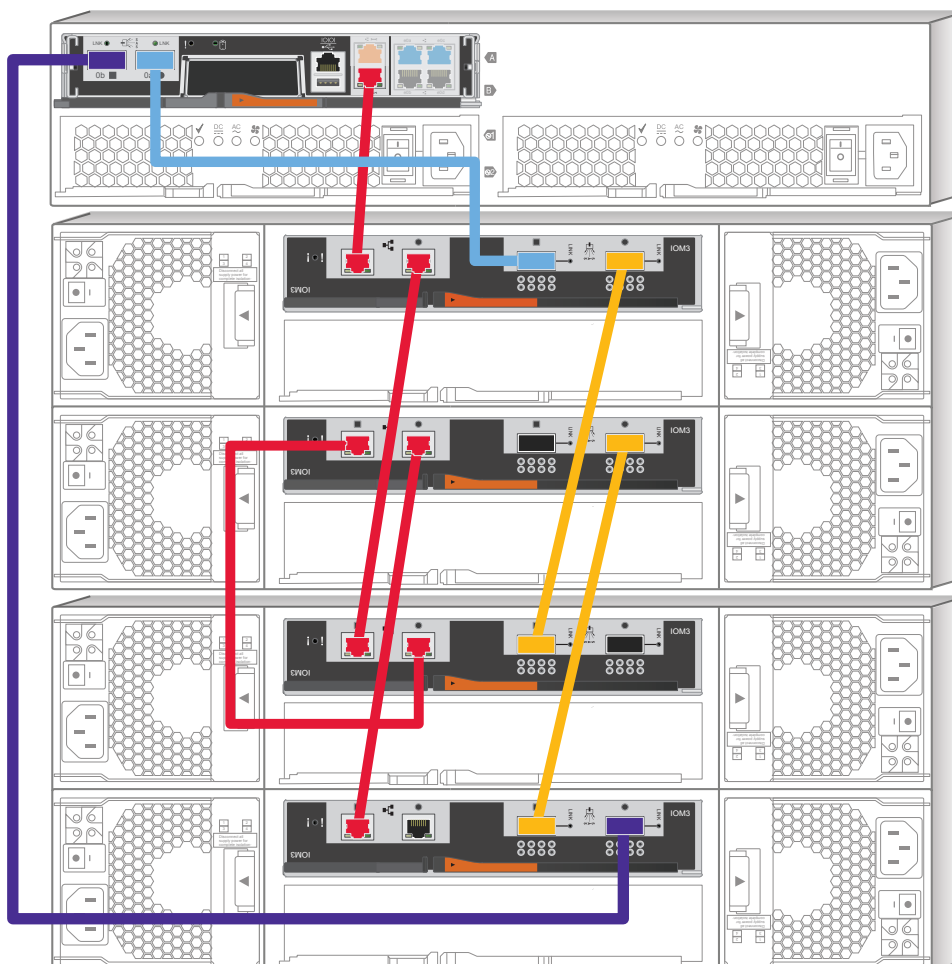
1 Daisy chain SAS ports

2 Cable first SAS ports

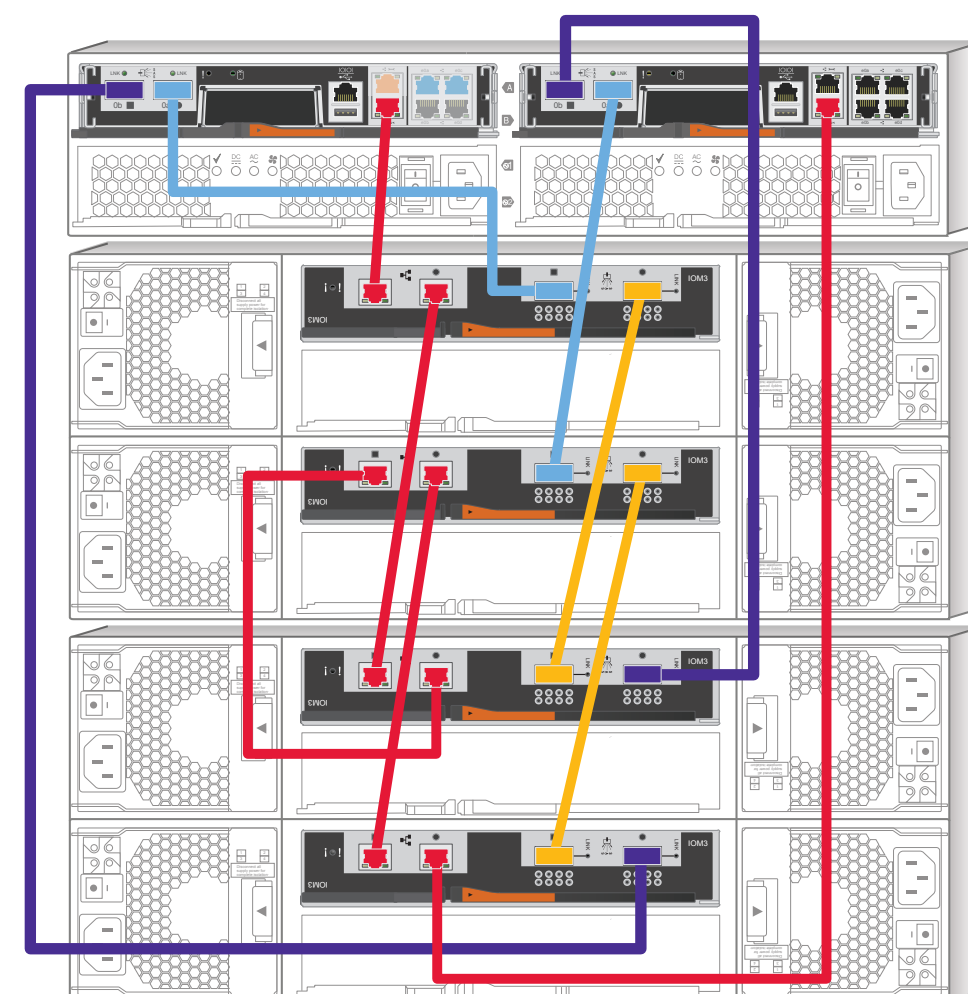
3 Cable last SAS ports

 Network cables

4 Cable ACP connections



Single controller model
(Dual path to external drives, single path to internal drives)



Double controller model
(Multipath HA)

C

Cabling FAS2220/2240-2 systems WITH external storage DS2246 disk shelves

 Storage cables

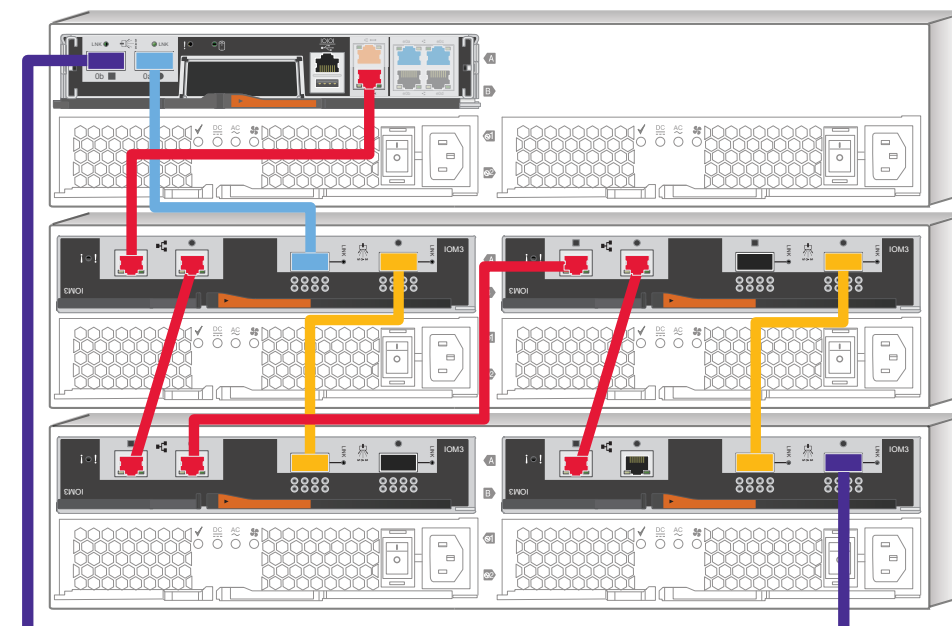
1 Daisy chain SAS ports

2 Cable first SAS ports

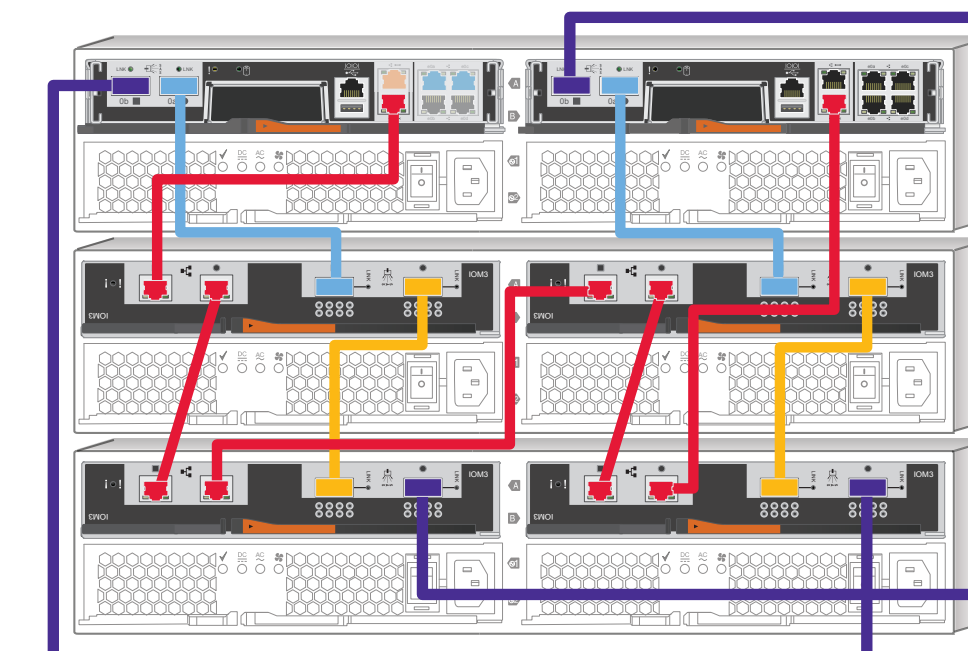
3 Cable last SAS ports

 Network cables

4 Cable ACP connections



Single controller model
(Dual path to external drives, single path to internal drives)



Double controller model
(Multipath HA)



HELPFUL LINKS
ON PAGE 4

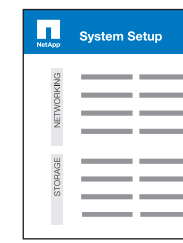
For additional configurations, see [HELPFUL LINKS](#).

4

Complete System Setup

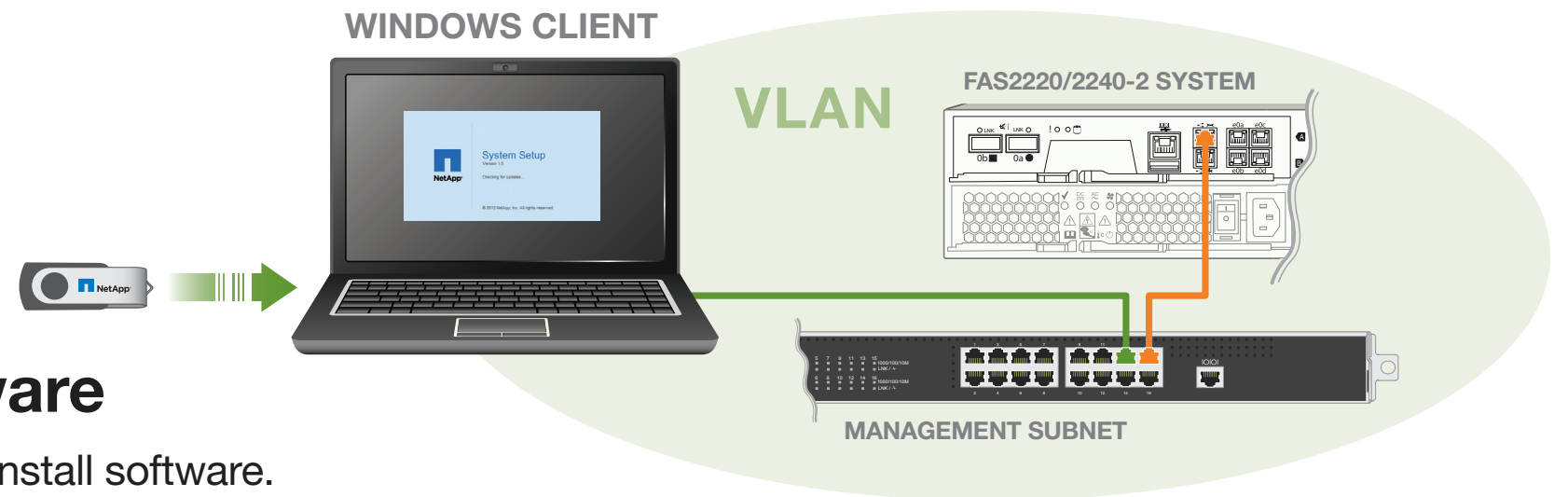
1 Complete configuration worksheet

- Editable worksheet is available on the USB flash drive.



2 Cable Windows client

- Cable your Windows client to the same network as your controllers.



3 Install System Setup software

- Insert USB flash drive into USB port and install software.

4 Start System Setup software

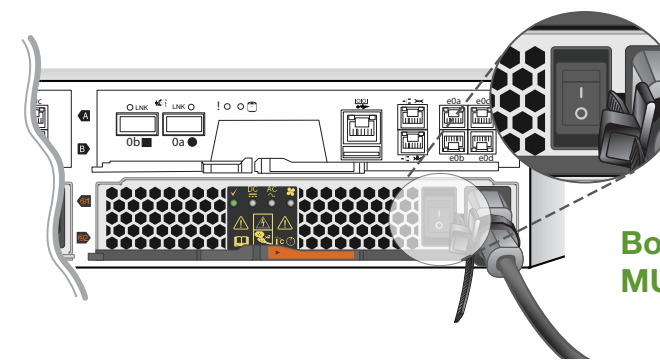
- When directed, power on your system (or repower).

- the system.

Wait for discover to complete.



- Enter the values from the configuration worksheet into System Setup.*



Both power supplies **MUST** be powered on.

*If you cannot use System Setup, see the Data ONTAP Software Setup Guide.

5

Complete configuration

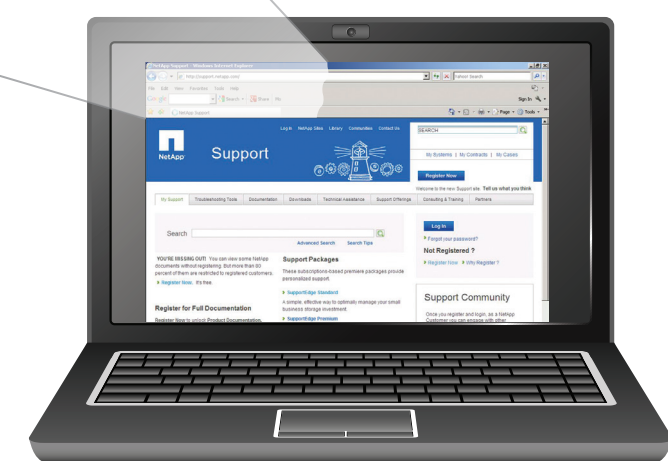
1 Register at support.netapp.com

- Create an account.
- Register your system.
- Get your license keys.



2 Download OnCommand System Manager

- Provision more storage.
- Configure other protocols and data protection.
- Set up Service Processor and Remote Support Agent.



HELPFUL LINKS

Visit the NetApp web site for more information.

- **System Setup information:** http://support.netapp.com/NOW/public/system_setup/
- **Site Requirements Guide:** https://library.netapp.com/ecm/ecm_get_file/ECMP1112530
- **Controller and configuration examples:** <http://support.netapp.com/documentation/productlibrary/index.html?productID=61397>
- **OnCommand System Manager documentation set:** <http://support.netapp.com/documentation/productlibrary/index.html?productID=61372>
- **Data ONTAP 8 library:** <http://support.netapp.com/documentation/productlibrary/index.html?productID=30092>
- **Licenses:** <http://support.netapp.com/eservice/agree.do?moduleName=PROTOCOL>

LEARN MORE

- **“Getting Started” and training videos:** https://communities.netapp.com/community/netapp_university/getting_started
- **NetApp solutions:** <http://www.netapp.com/us/solutions/>
- **Technical reports:** <http://www.netapp.com/us/library/technical-reports.html>
- **General information:** <http://www.netapp.com/us/library/>



HELPFUL LINKS

Visit the NetApp web site for more information.



System Setup landing page



Site Requirements Guide



Configuration examples for FAS2220/2240-2 systems



Data ONTAP library

- Storage Management Guide
- Logical Storage Management Guide
- File Access & Protocols Management Guide
- Data Protection Guide



OnCommand System Manager documentation set



License site for your system