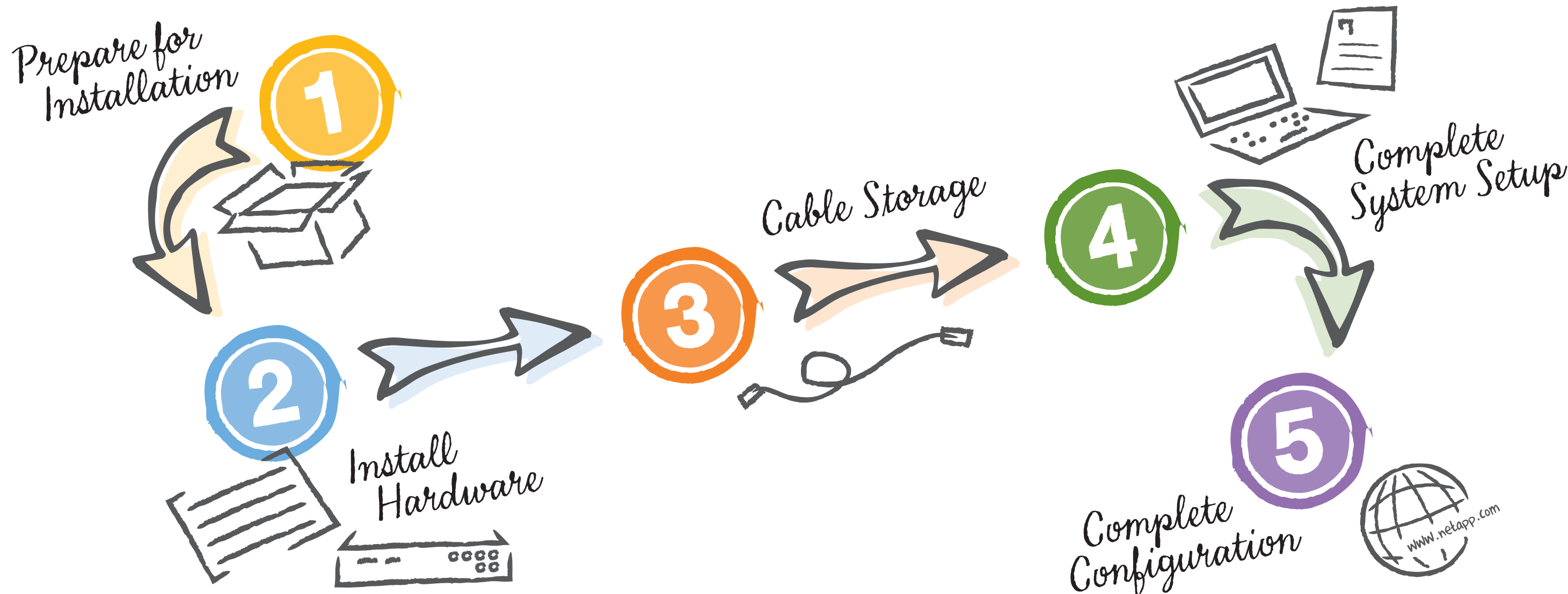




# Installation and Setup Instructions

## Switchless Clustered FAS2240-4 Systems



# 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:

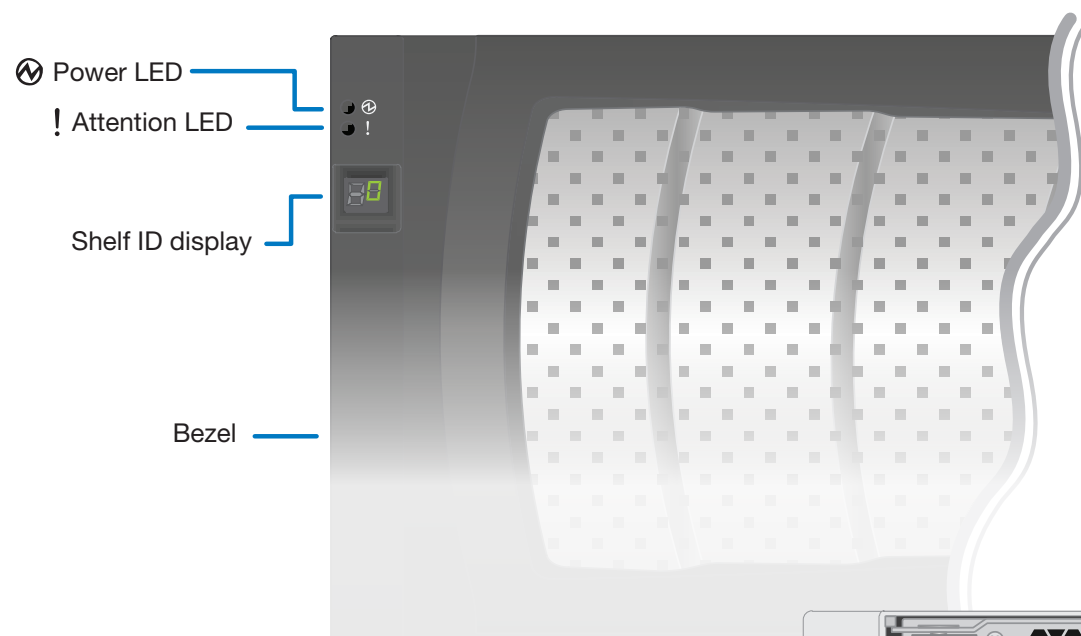
**Screwdriver**

**Rack space - 4U**

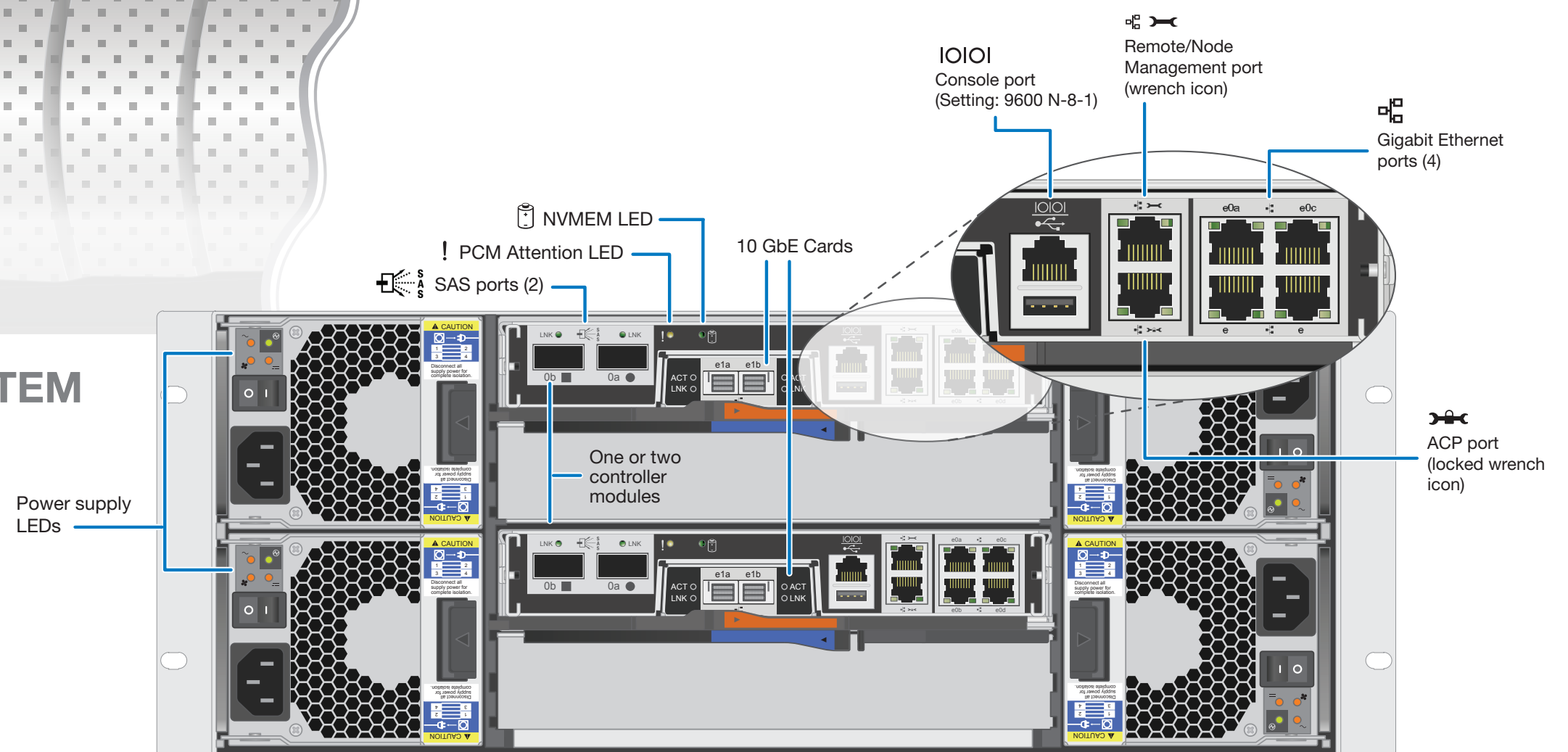
**Additional network cables**  
For connecting your storage to your network switch and Microsoft® Windows® client

**Microsoft Windows client**  
Runs the software to configure your storage system

## FRONT VIEW OF SYSTEM

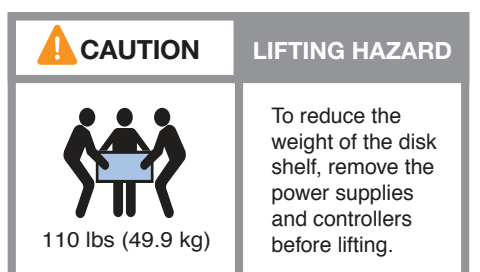


## BACK VIEW OF SYSTEM



## 1 Install system

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



## 2 Cable controller for switchless clustered Data ONTAP

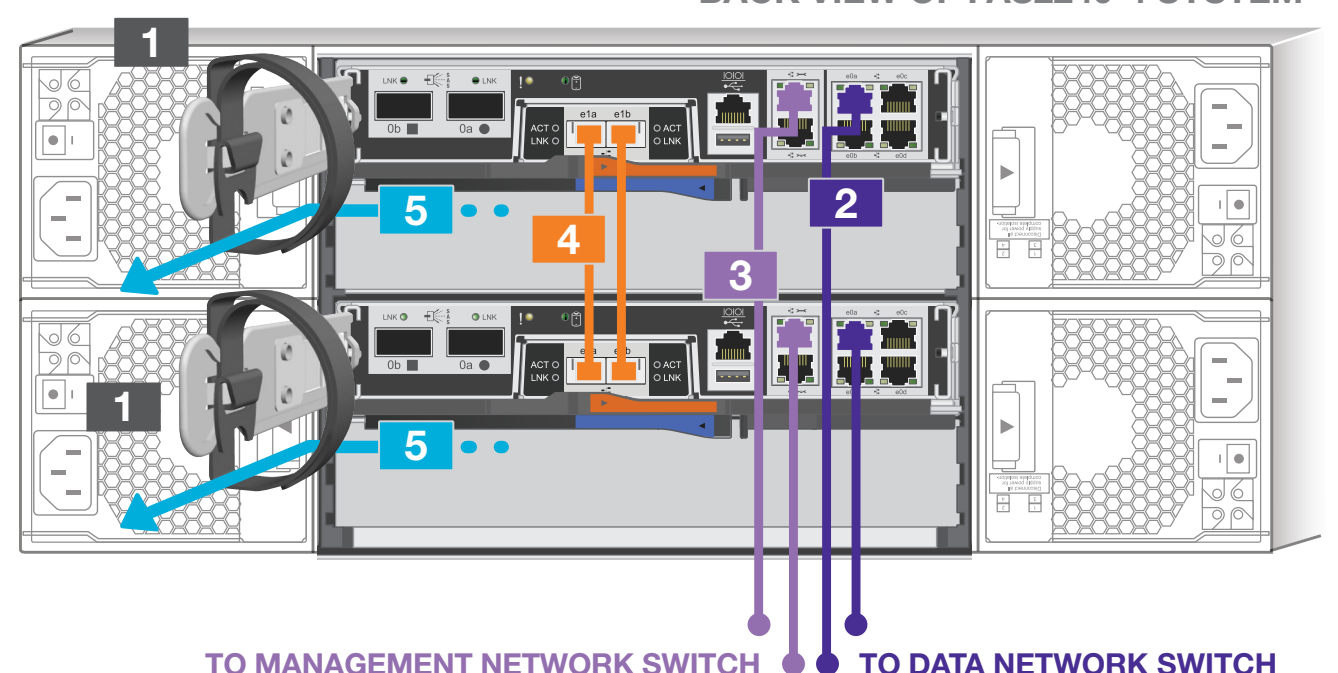
- Attach cable management arms.
- Connect port e0a to the network switch.  
NOTE: Port e0a is required; other ports are available if needed.
- Connect the wrench port to the network switch.
- Connect port e1a to port e1a and e1b to e1b
- Strap the cables to the cable management arms.

If you are converting from a switchless to a switched configuration, see the appropriate migration manual in the Cluster Management and Interconnect Switches library on the Support site.

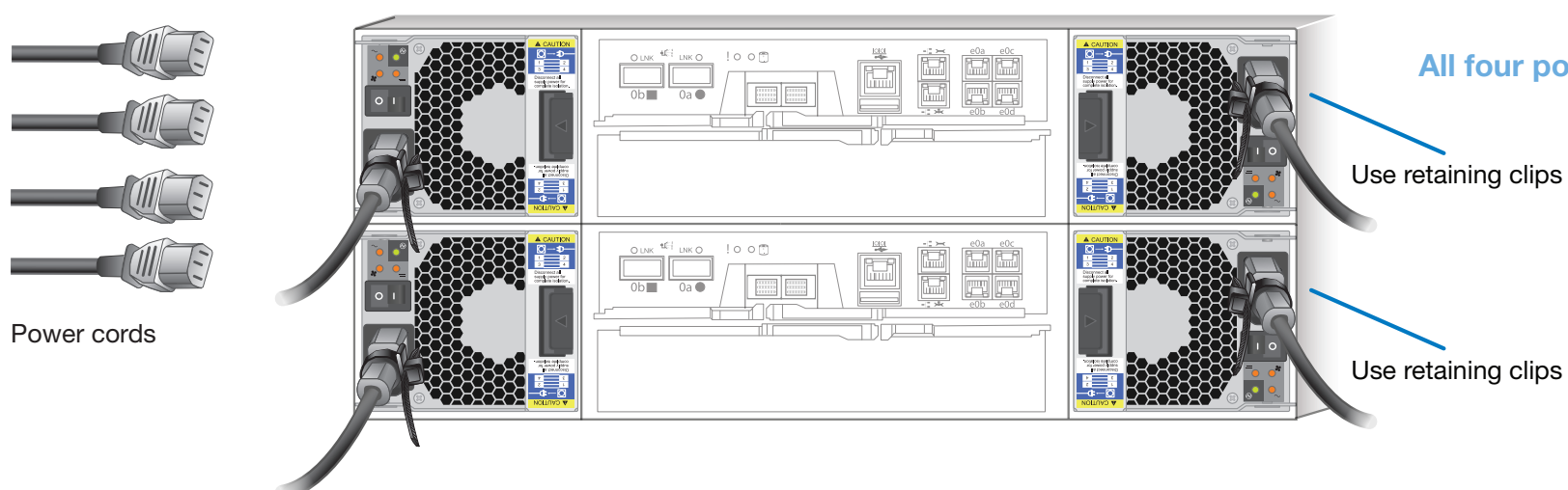
See your network administrator for help connecting to your switch.

## Double controller in one chassis

## BACK VIEW OF FAS2240-4 SYSTEM



## 3 Connect four power cords



**DO NOT** power on system at this point.



# 3

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

A

### Cabling FAS2240-4 systems with NO external storage

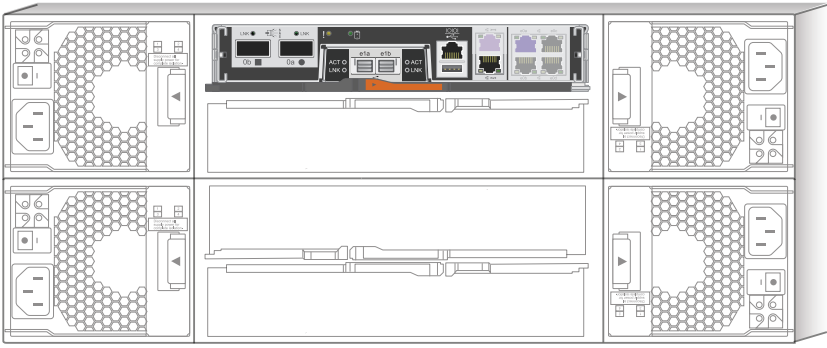
 Storage cables

1 Cable SAS ports

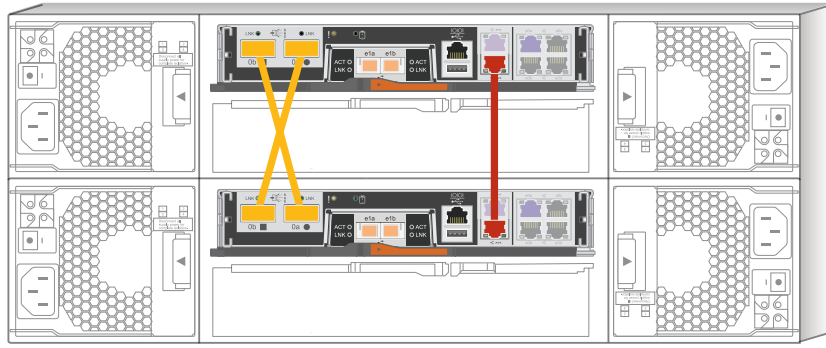
 Ethernet cable

2 Cable ACP ports

No additional cabling required for single controller.



Single controller model



Double controller model

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

B

### Cabling FAS2240-4 systems WITH external storage DS424x disk shelves

 Storage cables

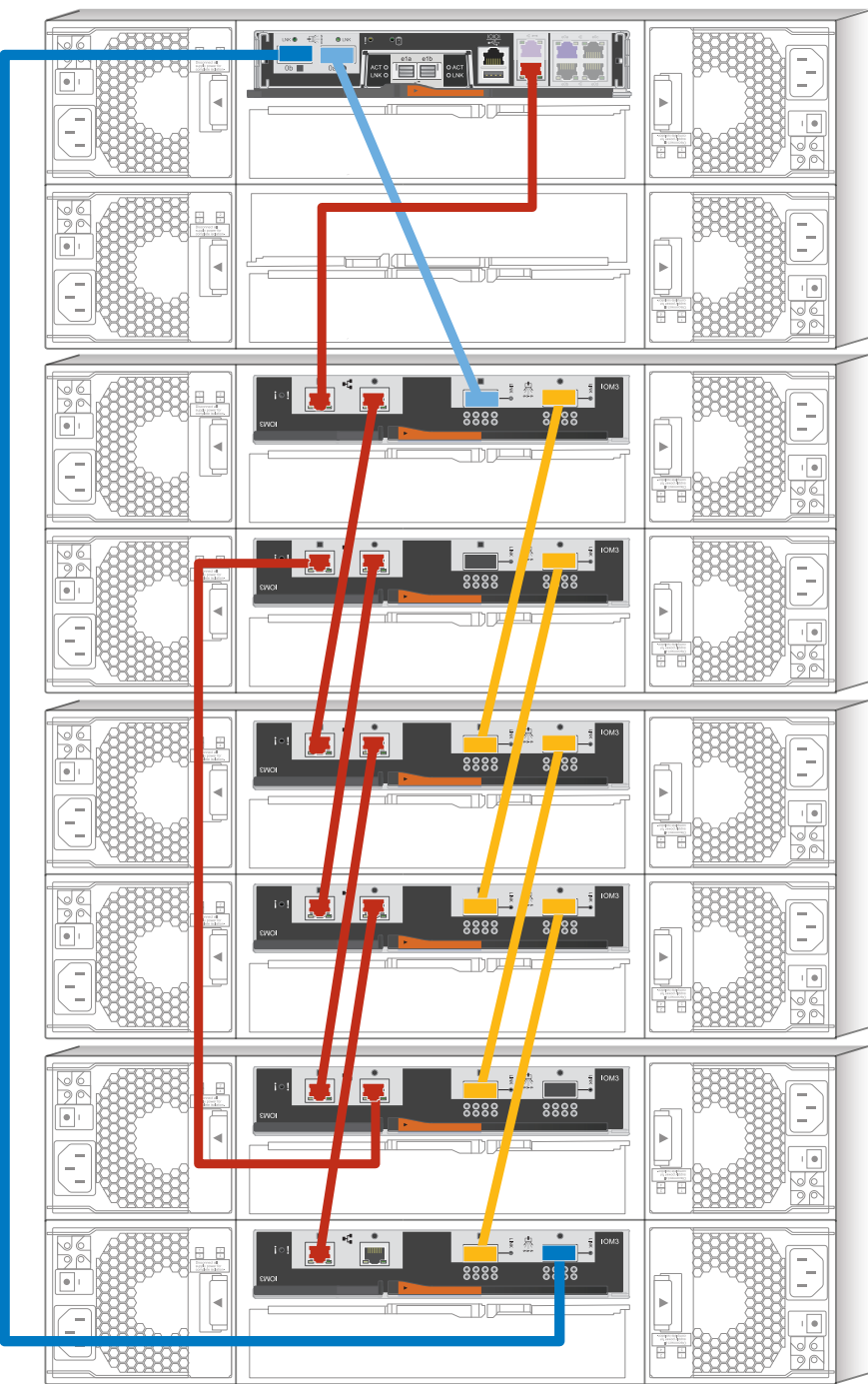
1 Daisy chain SAS ports

2 Cable first SAS ports

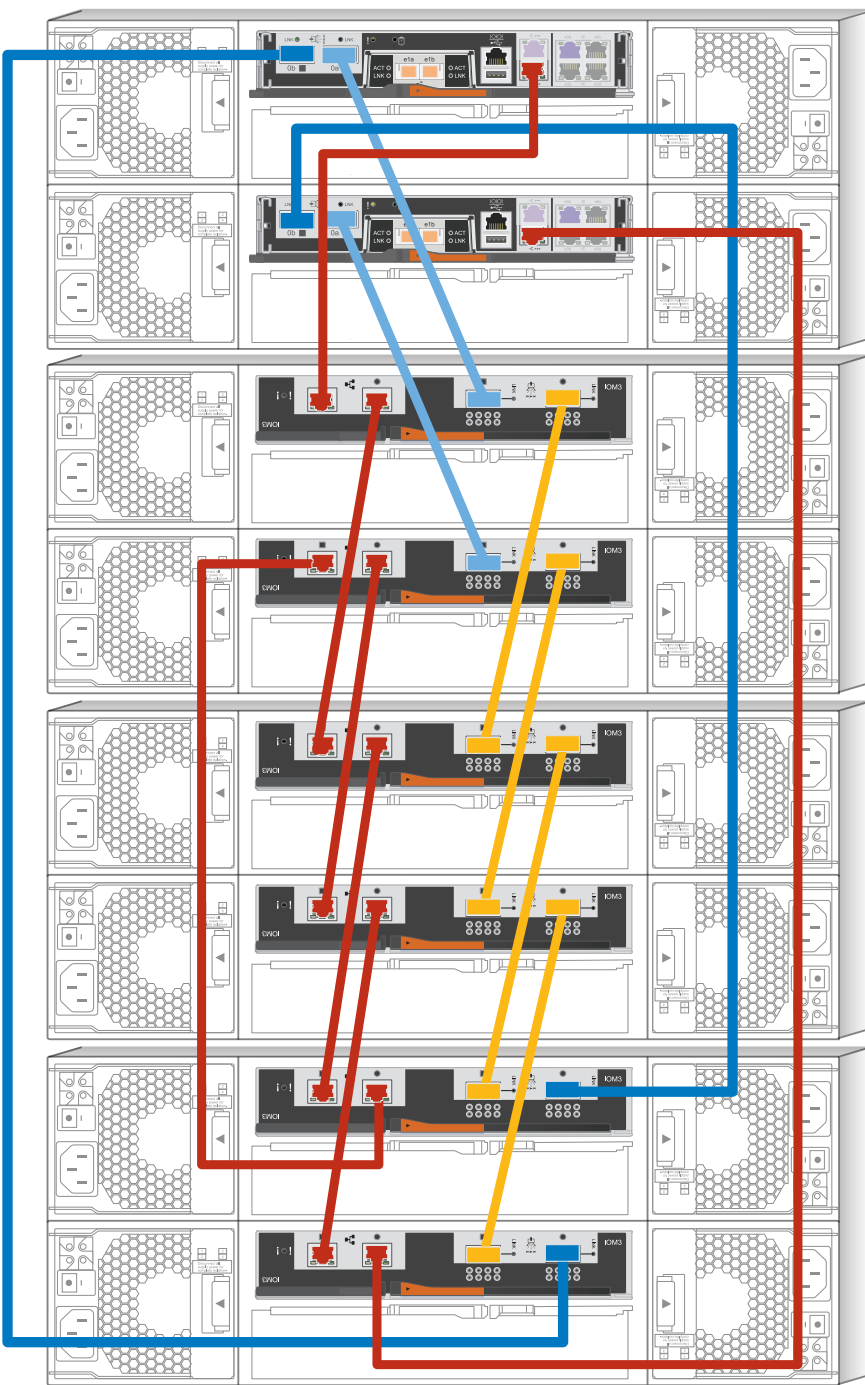
3 Cable last SAS ports

 Ethernet cables

4 Cable ACP connections



Single controller model



Double controller model

C

### Cabling FAS2240-4 systems WITH external storage DS2246 disk shelves

 Storage cables

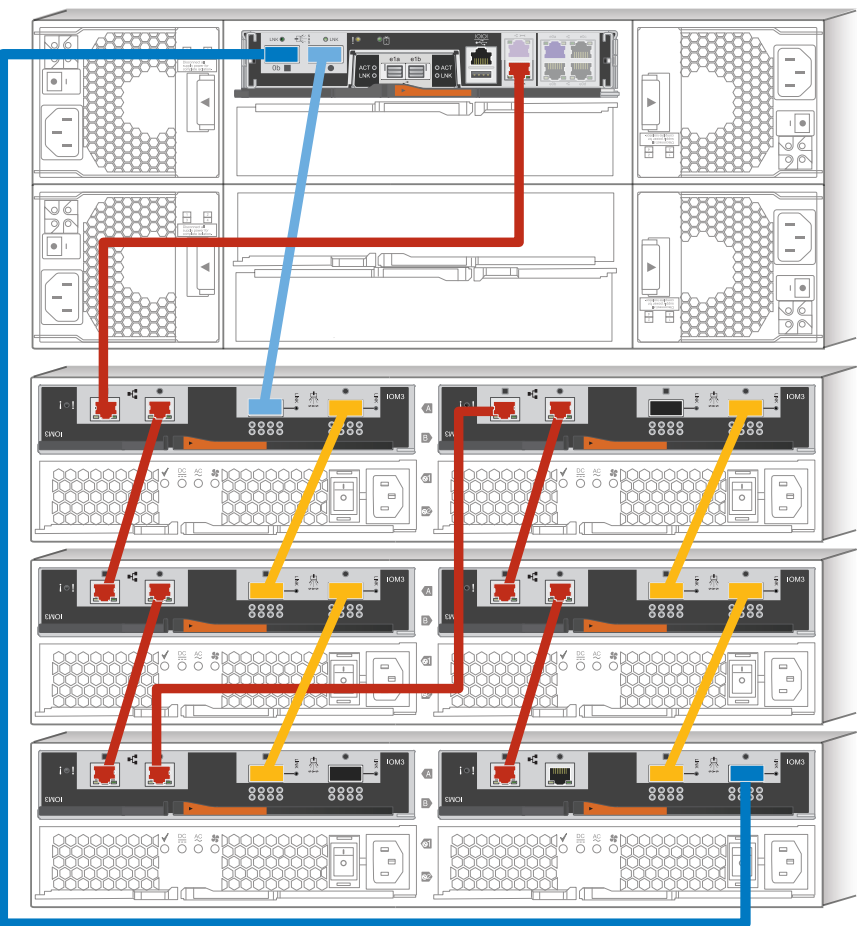
1 Daisy chain SAS ports

2 Cable first SAS ports

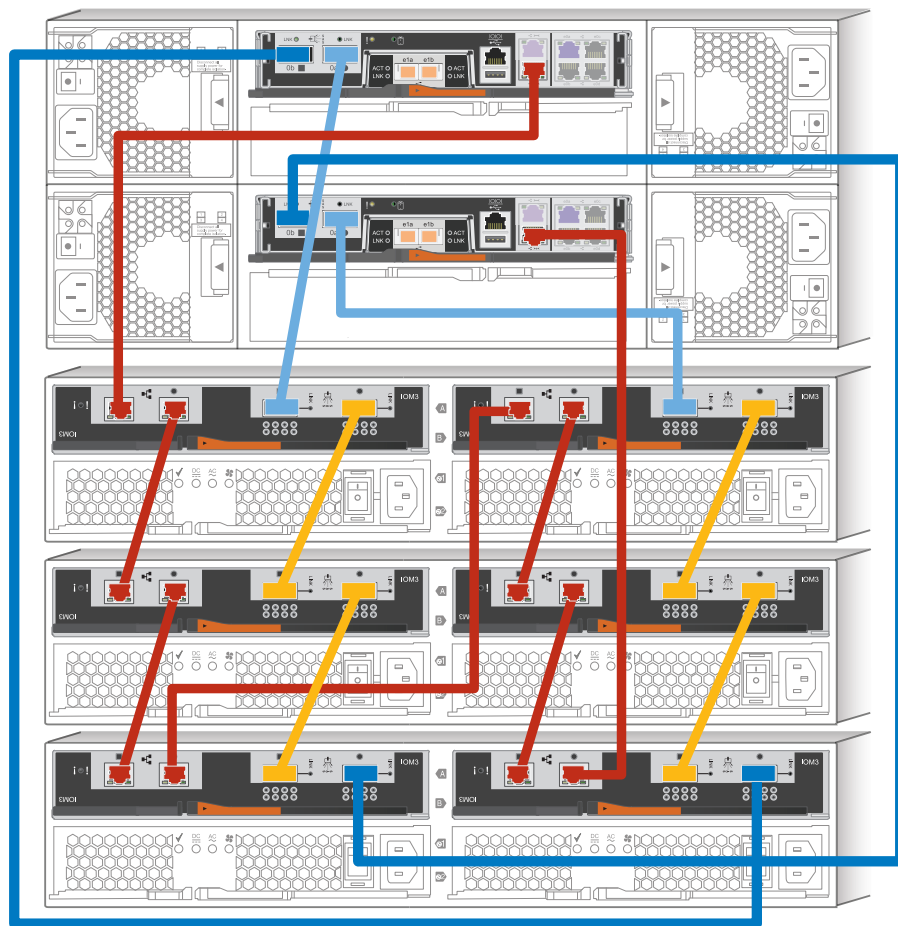
3 Cable last SAS ports

 Ethernet cables

4 Cable ACP connections



Single controller model



Double controller model

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

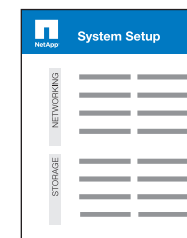


# 4

## Complete System Setup

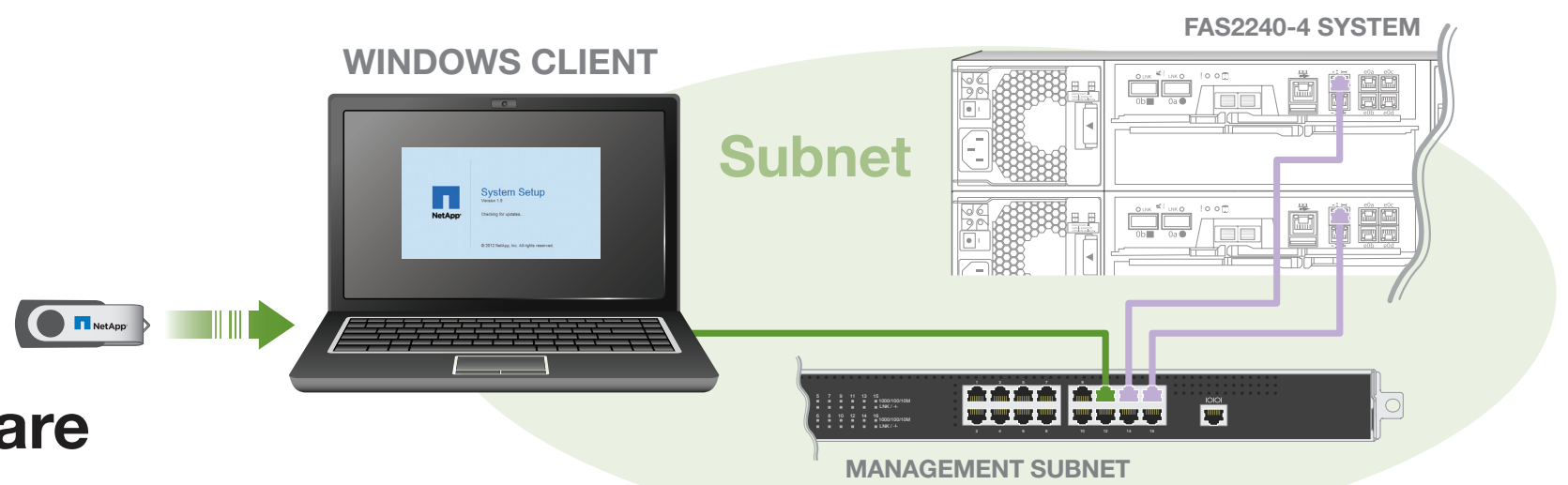
### 1 Complete configuration worksheet

- Editable worksheet is available on the USB flash drive or at [http://support.netapp.com/NOW/public/system\\_setup/](http://support.netapp.com/NOW/public/system_setup/)



### 2 Cable Windows client

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

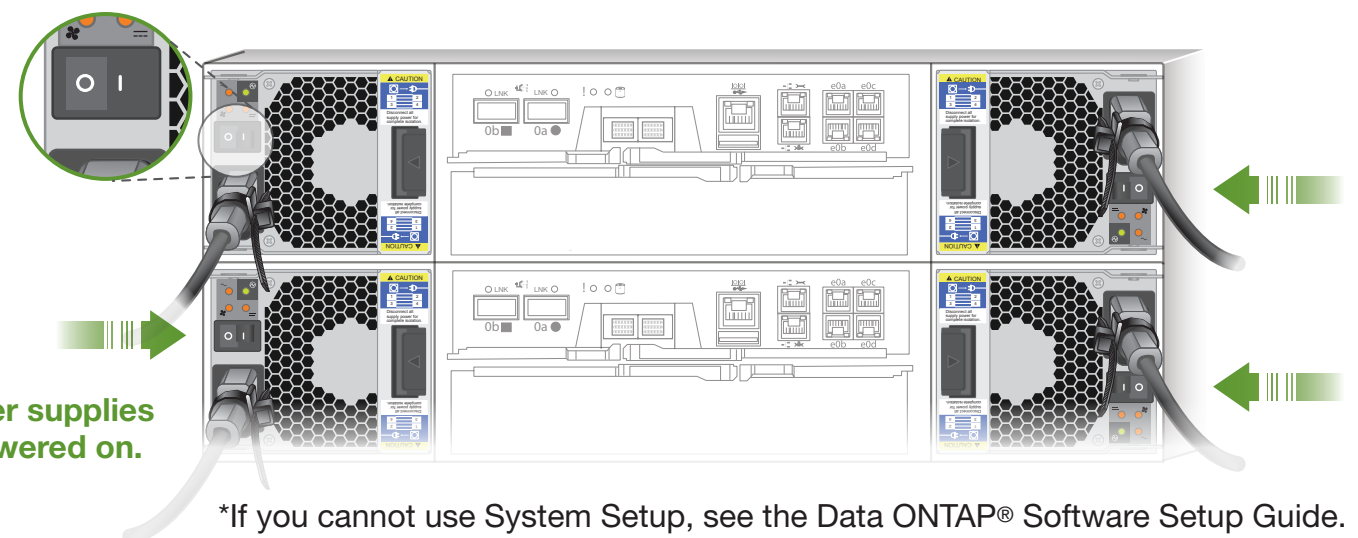


### 3 Install System Setup software

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

### 4 Start System Setup software

- the system.
- When directed, power on your system (or repower).
- Wait for discover to complete. ⌚ Up to 8 minutes.
- Enter the values from the configuration worksheet into System Setup.\*



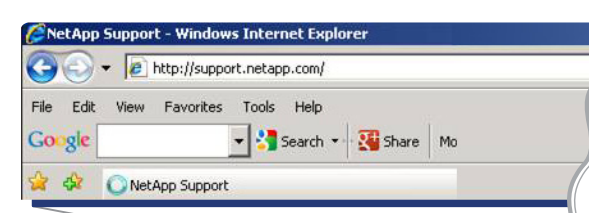
\*If you cannot use System Setup, see the Data ONTAP® Software Setup Guide.

# 5

## Complete configuration

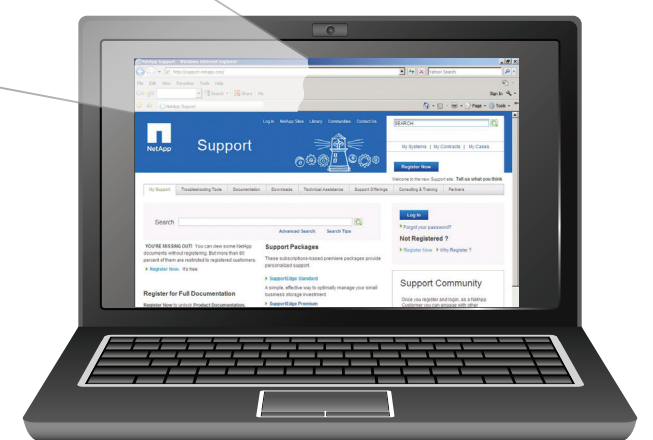
### 1 Register at support.netapp.com

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



### 2 Download OnCommand System Manager at <http://support.netapp.com/NOW/cgi-bin/software/>

- 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/](http://support.netapp.com/NOW/public/system_setup/)
- **Site Requirements Guide:** [https://library.netapp.com/ecm/ecm\\_get\\_file/ECMP1112530](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](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 FAS2240-4 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