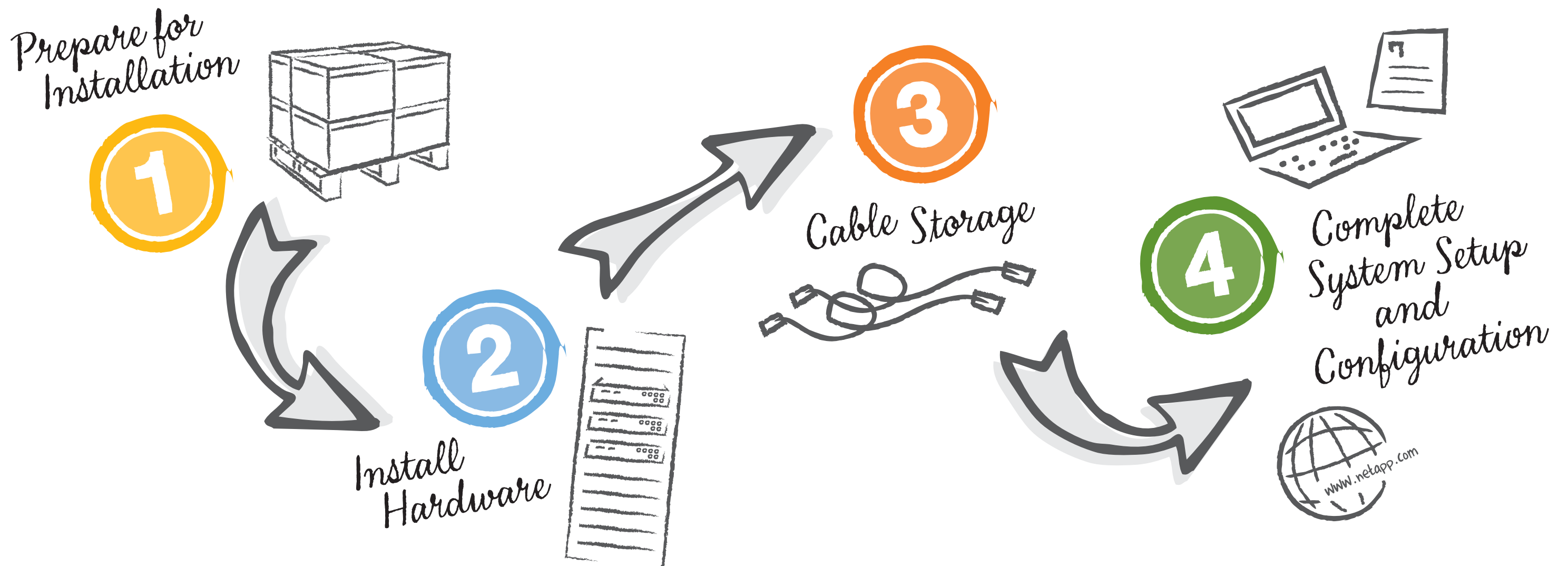




Installation and Setup Instructions

AFF8040, AFF8060, and AFF8080 Systems

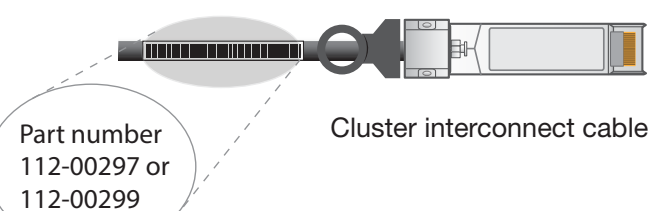


1 Prepare for installation

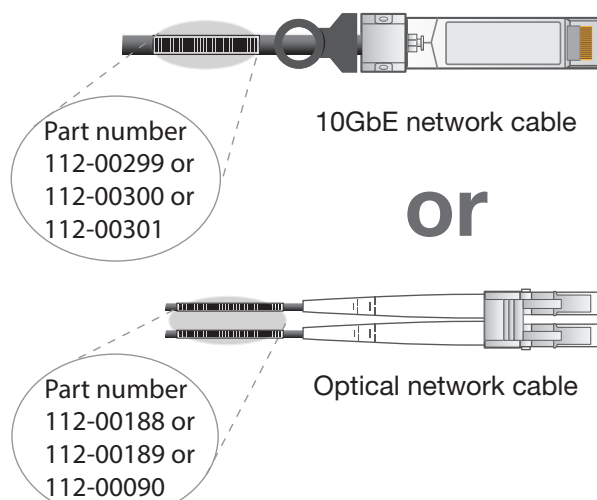


In the box:

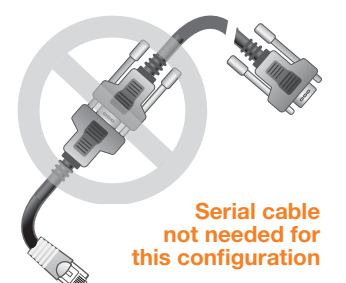
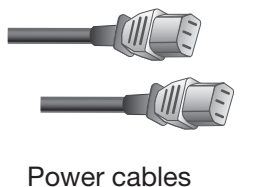
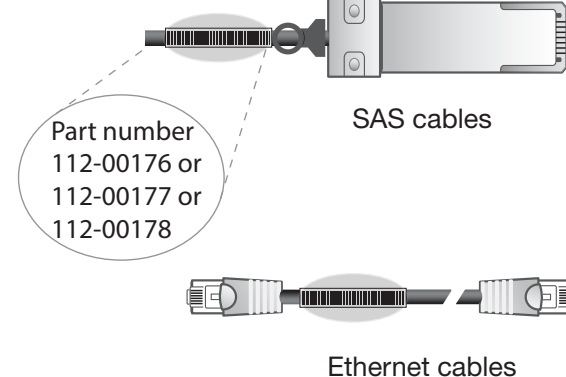
Controller-to-controller cables



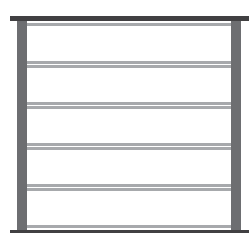
Host cables



Storage cables



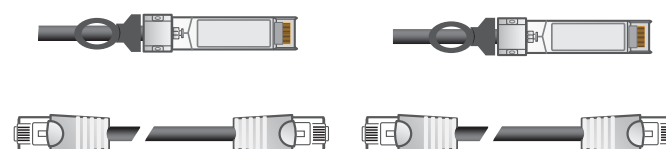
You provide:



Rack space 6U



Screwdriver



Additional network cables
(Not provided with system)

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



Microsoft Windows® client

Runs the software to configure your storage system



Download:



- FC SAN Optimized AFF Setup Guide https://library.netapp.com/ecm/ecm_download_file/ECMP12462582
- Using All Flash FAS with Clustered Data ONTAP https://library.netapp.com/ecm/ecm_download_file/ECMP12466574
- NFS optimized NFS volumes in the System Manager Online Help

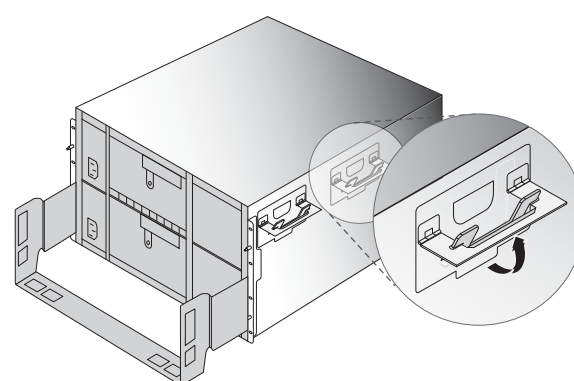


210-06648+A0

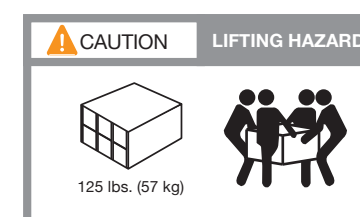
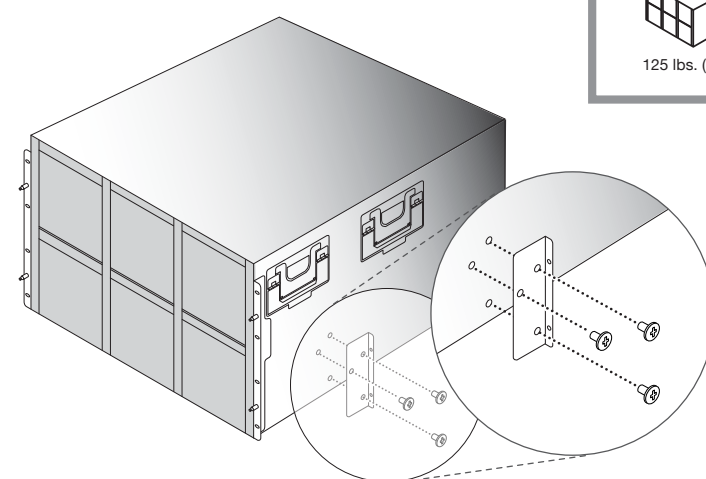
1 Unpack and install system

- Unpack all boxes and inventory contents.
- Install rail kits, as needed, using the enclosed installation instructions.
- Install system components on rails or in a system cabinet per installation instructions.
- Attach cable management tray.
- Place the bezel on the front of the system.

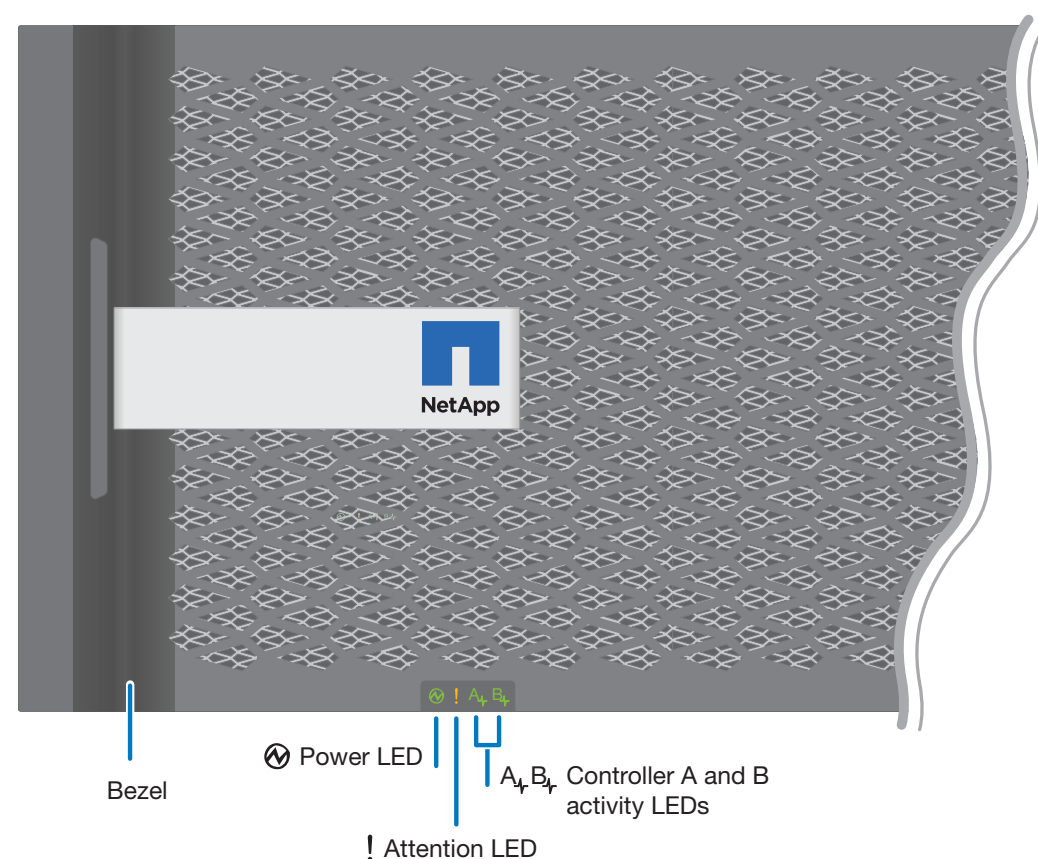
HANDLES AND CABLE MANAGEMENT DEVICE



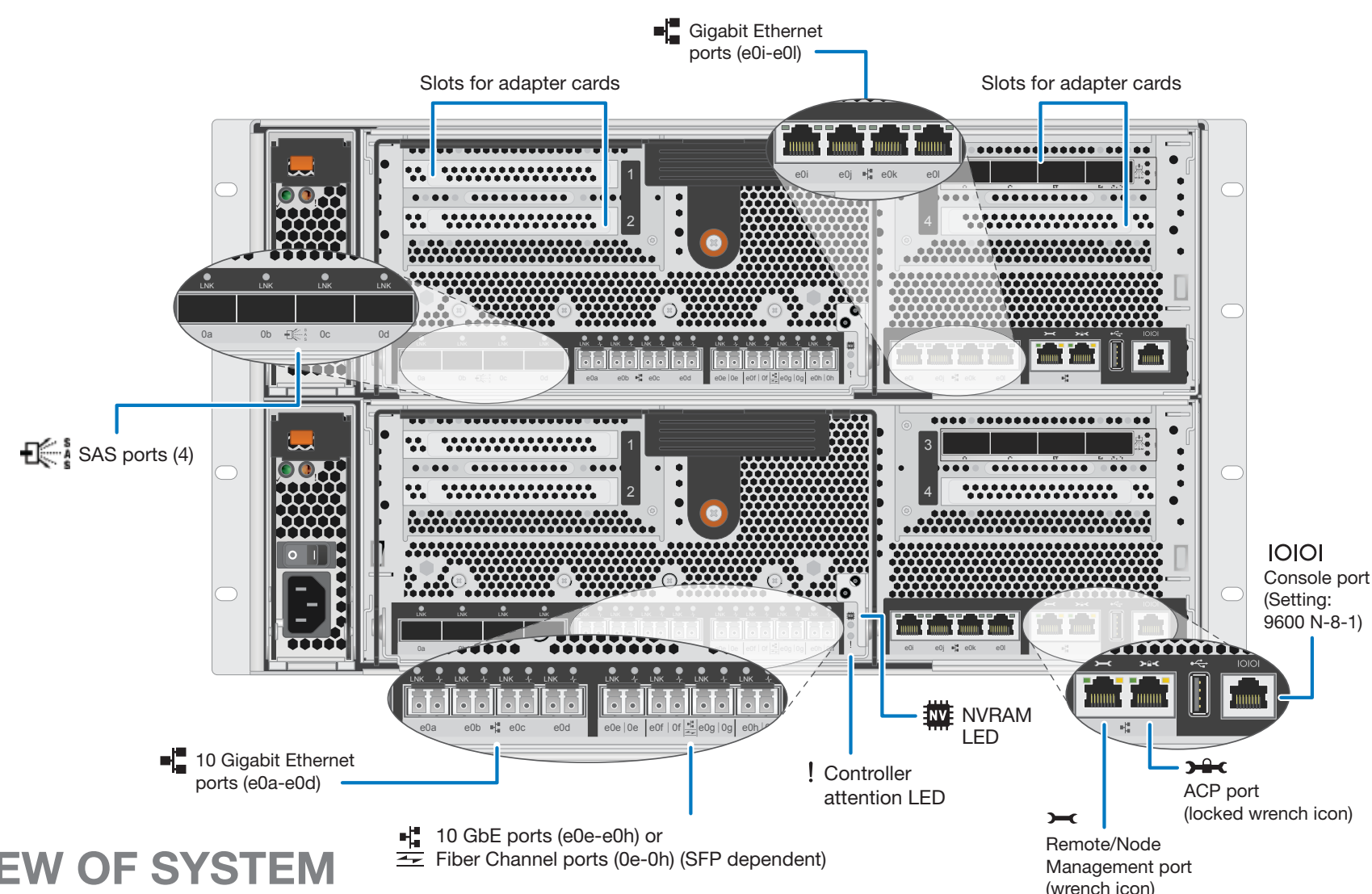
OPTIONAL 2-POST MID-MOUNT BRACKETS



FRONT VIEW OF SYSTEM



BACK VIEW OF SYSTEM



2 Cable controller to switches

See your network administrator for help connecting to your switches.

- 1 Cluster interconnect cable
PN 112-00297 or 112-00299

Cable the cluster interconnect e0a to e0a and e0c to e0c ports on both controllers.

- 2 Ethernet cables

Connect wrench ports to the management switches (for cluster and node mgmt. LIFs).
Connect e0i ports to the management switches (for SVM mgmt. LIFs).

- 3 10GbE network cable
PN 112-00299 or 112-00300 or 112-00301
or
Optical network cable
PN 112-00188 or 112-00189 or 112-00090

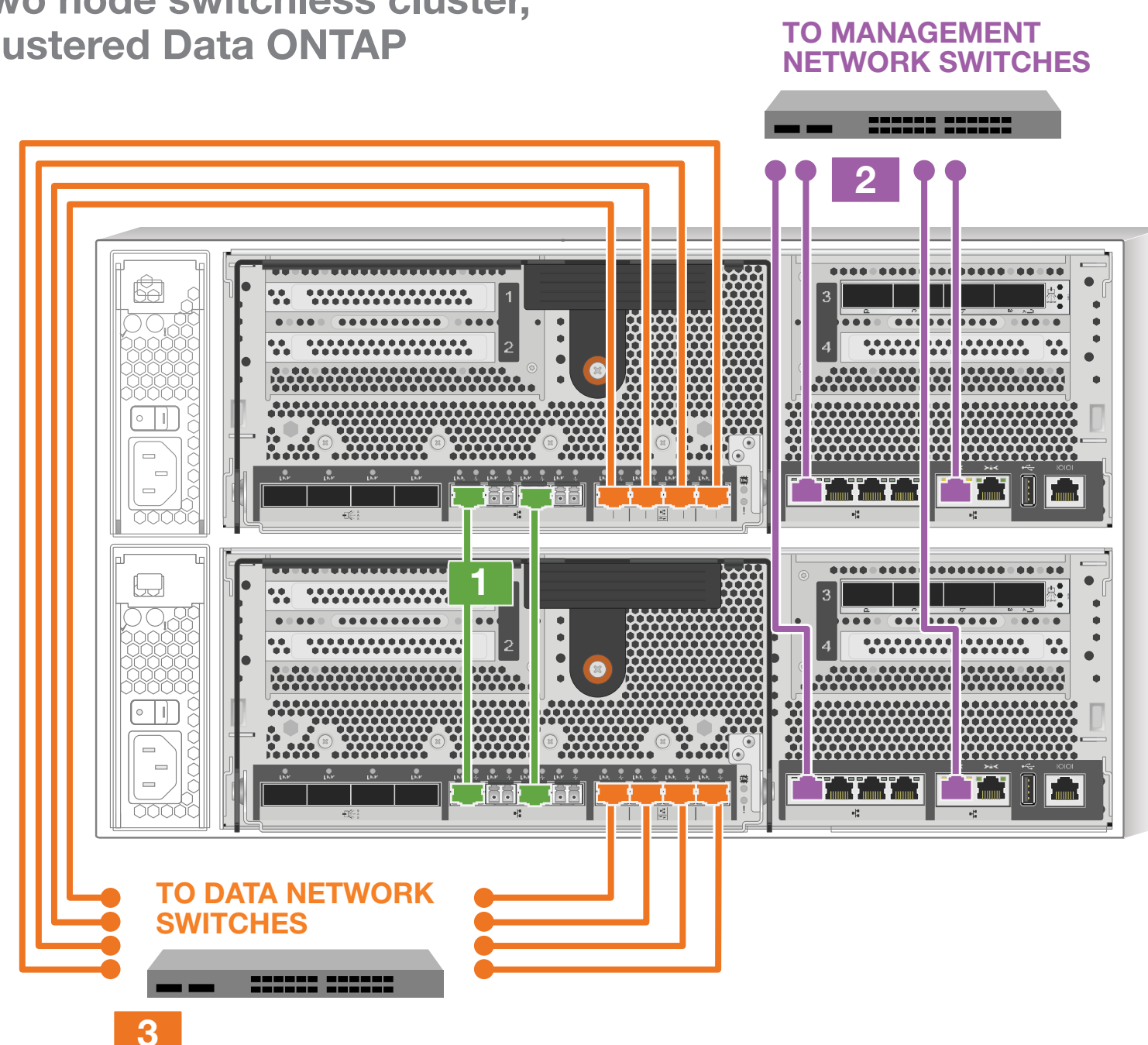
Connect ports e0e|0e and e0g|0g to data switches.

Optional - e0f|0f and e0h|0h to the data switches.

- 4 Strap the cables to the cable management tray. (Not shown)

DO NOT install power cables at this point.

Two node switchless cluster, clustered Data ONTAP



A Two stacks with one disk shelf each



1 2  SAS cables
PN 112-00176 or 112-00177 or 112-00178

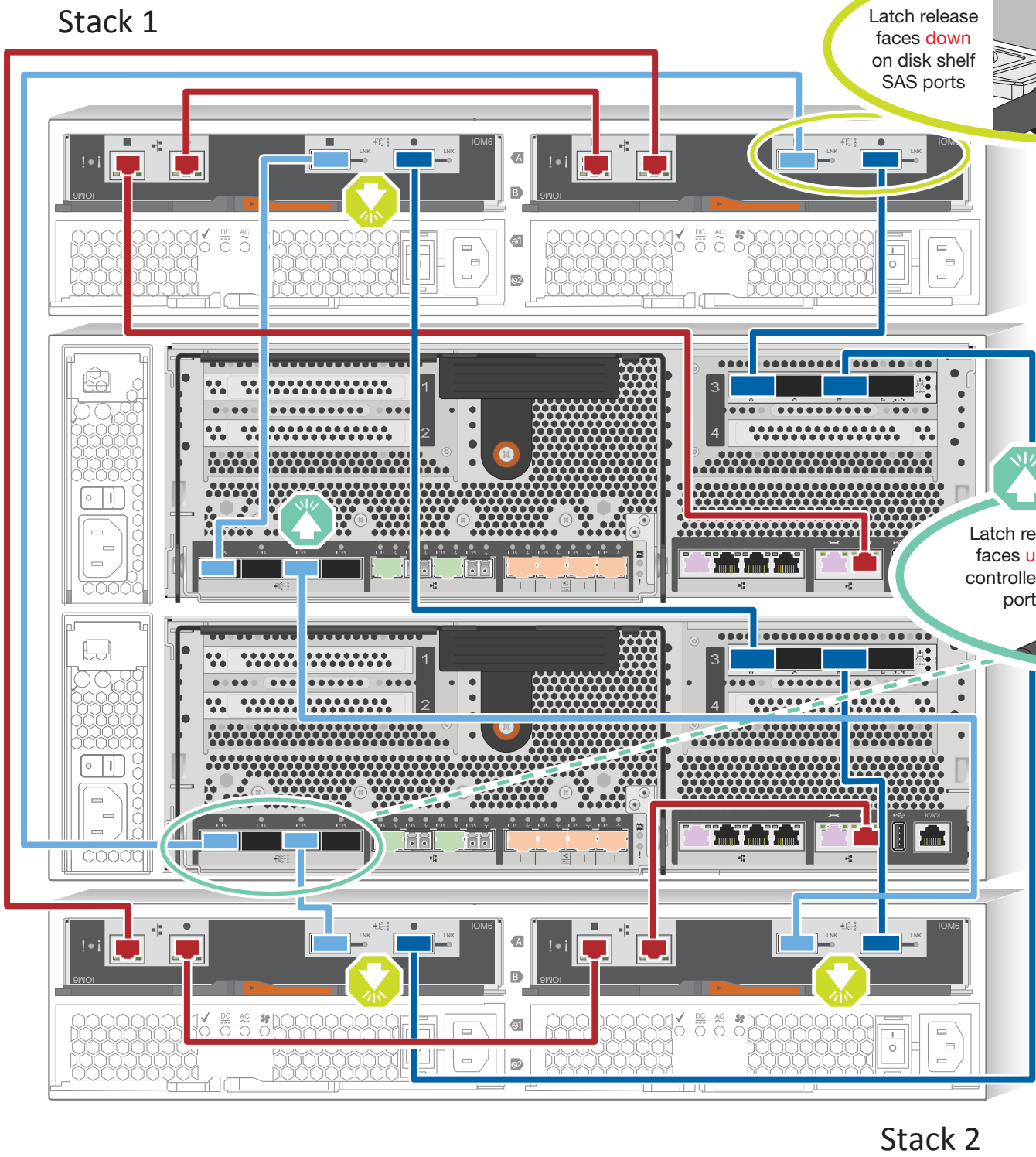
1 Cable onboard SAS ports

2 Cable SAS card ports

3  Ethernet cables (ACP)

Cable the ACP port  on each controller to the disk shelves

  Insert SAS cable **UP** or **DOWN** and gently push into place until it clicks



B Two stacks with two disk shelves each


1 2 3  SAS cables
PN 112-00176 or 112-00177 or 112-00178

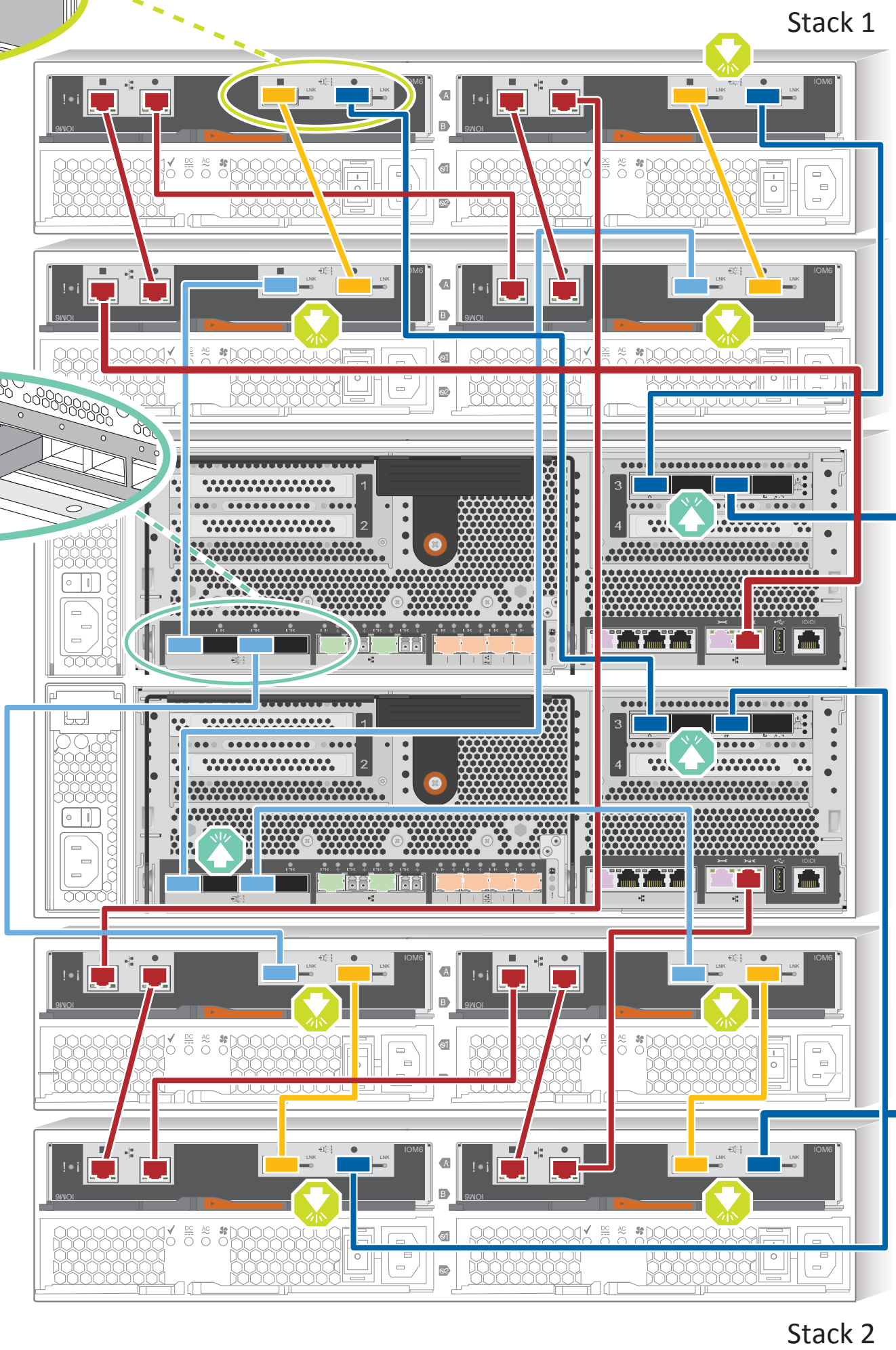
1 Cable the SAS shelf-to-shelf ports

2 Cable onboard SAS ports

3 Cable SAS card ports

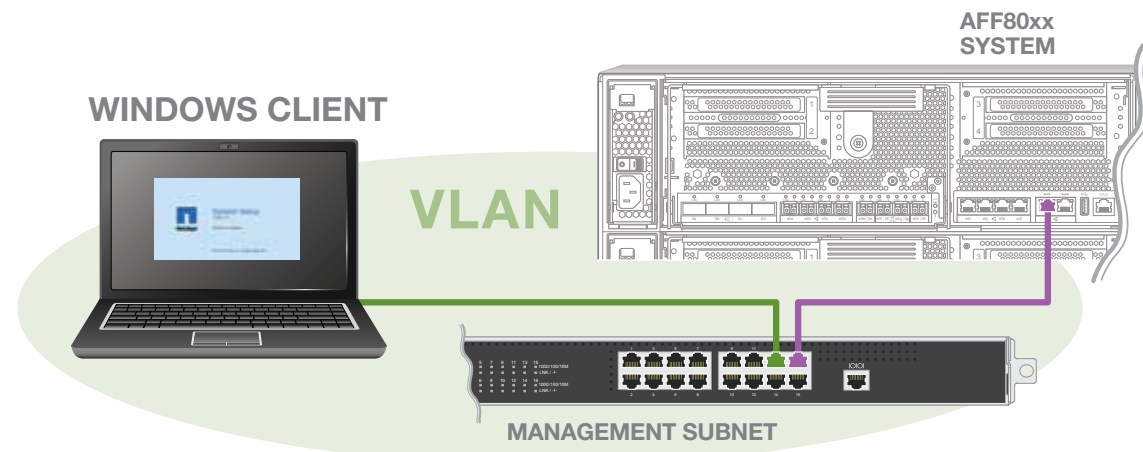
4  Ethernet cables (ACP)

Cable ACP port  on each controller to the disk shelves and shelf-to-shelf ACP ports



A For factory configured FC SAN or NFS Optimized Systems

1 Cable Windows client to same network as your controllers



- Set client networking configuration:
TCP/IP address: 10.10.10.20
Netmask: 255.255.255.0
Gateway: 10.10.10.1

2 Power on all disk shelves

Refer to documentation shipped with disk shelves for details

3 Connect power cables to controllers

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

Power on controllers May take up to 10 mins

4 Log into System Manager

- Enter IP: **10.10.10.10**
Note: Ignore the security warnings about an untrusted site
- User name: **admin**
- Password: **netapp!123**

5 Provision storage for your AFF system

- Complete the *AFF SAN and/or NFS Optimized Installation Worksheet* for your system type from your shipment box or from: https://library.netapp.com/ecm/ecm_download_file/ECMLP2432838.
- Complete the storage provisioning wizards for your system.
 The wizards either automatically start when you log into the system or you can access them in the **Storage Applications** tab under **Storage Virtual Machines**.

6 For advanced setup and preparation, go to:

SAN: https://library.netapp.com/ecm/ecm_download_file/ECMP12462582

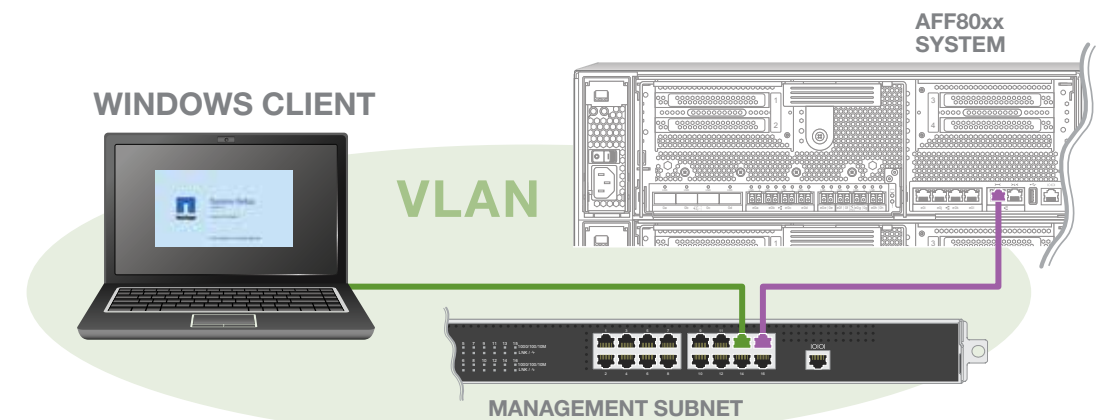
NFS: See NFS optimized NFS volumes in the System Manager Online Help.

B For all other AFF Systems

1 Complete configuration worksheet

From http://mysupport.netapp.com/NOW/public/system_setup/



2 Cable Windows client to same network as your controllers



3 Connect disk shelf power cables and power on all disk shelves only

4 Install and run System Setup software

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

- Install System Setup software
- Connect the power cables to the controllers. Do not power on your system until directed by System Setup software
 Both power supplies **MUST** be powered on.
-  the system. 
 Wait for discover to complete.
- Enter the values from the configuration worksheet into System Setup.*

5 Register at mysupport.netapp.com

6 Download and run Config Advisor

http://mysupport.netapp.com/NOW/download/tools/config_advisor/

7 Run OnCommand System Manager

- Enter node's IP address.
- Provision storage.
- Configure other protocols, data protection, and AutoSupport.
- Set up Service Processor and Remote Support Agent.
- Using All Flash FAS with Clustered Data ONTAP
https://library.netapp.com/ecm/ecm_download_file/ECMP12466574



HELPFUL LINKS

Visit the [NetApp web site](http://library.netapp.com) for more information.

- Using all Flash FAS with Clustered Data ONTAP:
https://library.netapp.com/ecm/ecm_download_file/ECMP12466574
- Data ONTAP 8 library:
<http://mysupport.netapp.com/documentation/productlibrary/index.html?productID=30092>
- Controller and configuration examples; Universal SAS and ACP Cabling Guide:
https://library.netapp.com/ecm/ecm_download_file/ECMM1280392

- OnCommand System Manager documentation set:
<http://mysupport.netapp.com/documentation/productlibrary/index.html?productID=61372>
- Hardware Universe:
<https://hww.netapp.com/>
- NFS optimized NFS volumes: System Manager Online Help

