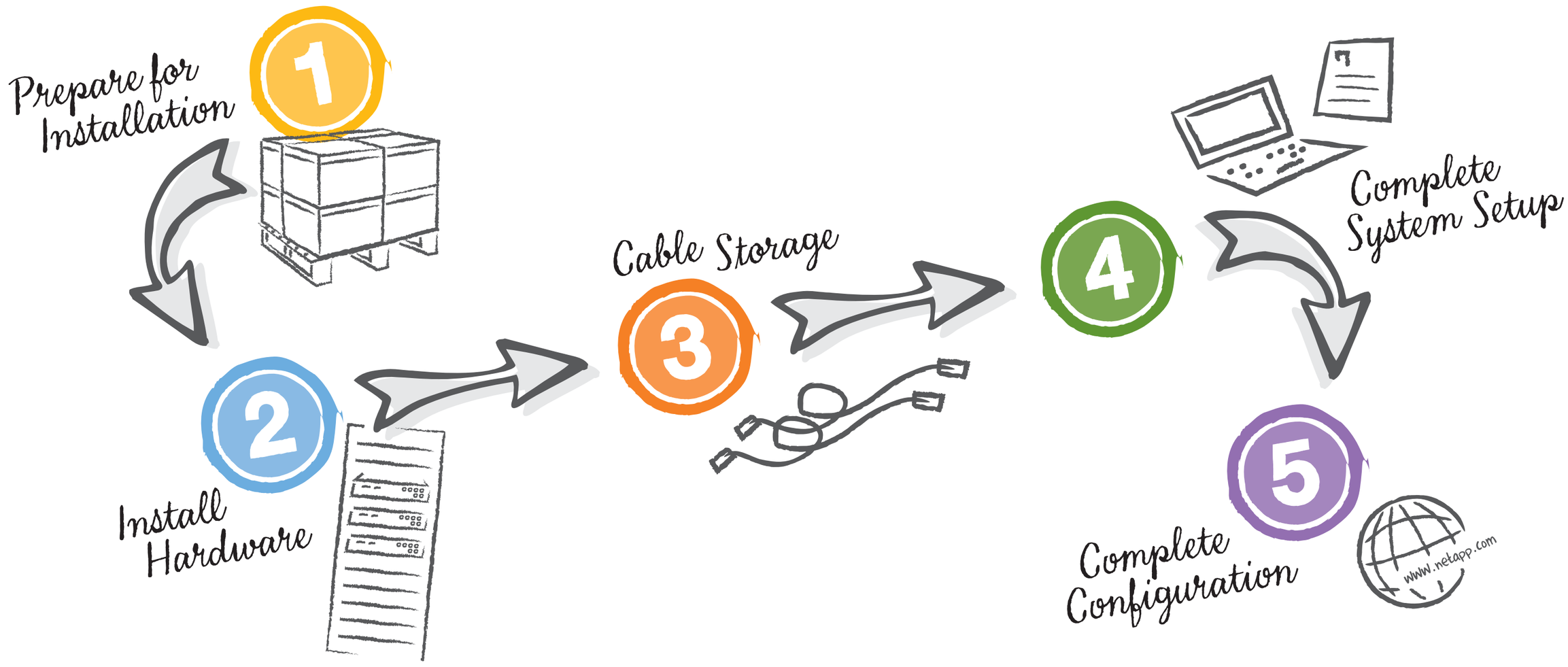
Installation and Setup Instructions

FAS8040 and FAS8060 Systems

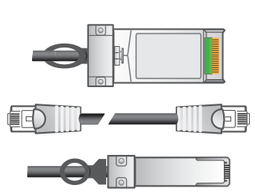


1 Prepare for installation (Choose option A or B below)

1 2 3 4 5

A For Clustered Data ONTAP

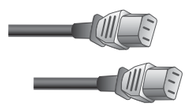
In the box:



Storage, starter network, and 10 GbE cables



Configuration worksheet



Power cables

You provide:



Rack space - 6U



Microsoft Windows client
Runs the software to configure your storage system



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



Screwdriver

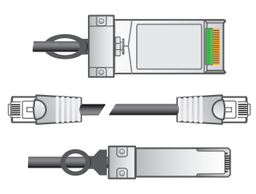
Download:



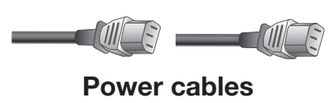
- **System Setup Software**
  http://support.netapp.com/NOW/public/system_setup/
- **OnCommand System Manager**
  http://support.netapp.com/NOW/cgi-bin/software/

B For 7-Mode, HA

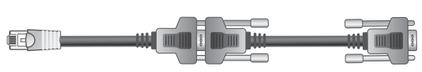
In the box:



Storage, starter network, and 10 GbE cables



Power cables



Serial cable

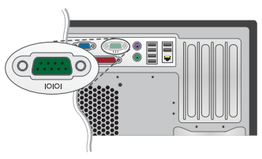
You provide:



Rack space - 6U



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



Serial console connection
Connection to DB9 serial console port or USB-to-DB9 converter to laptop



Screwdriver

Download:

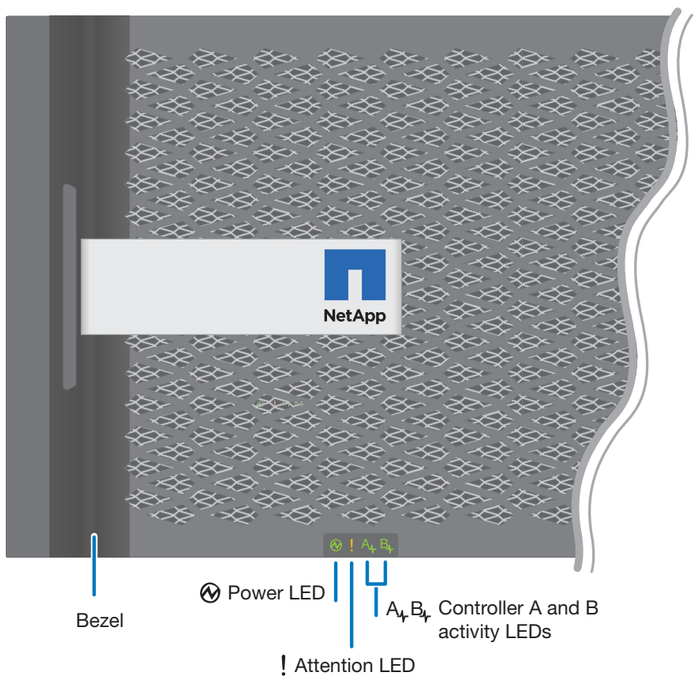


- **NetApp System Installation workbook**
  https://fieldportal.netapp.com;
  search for "NetApp System Installation Workbook"
- **OnCommand System Manager**
  http://support.netapp.com/NOW/cgi-bin/software/

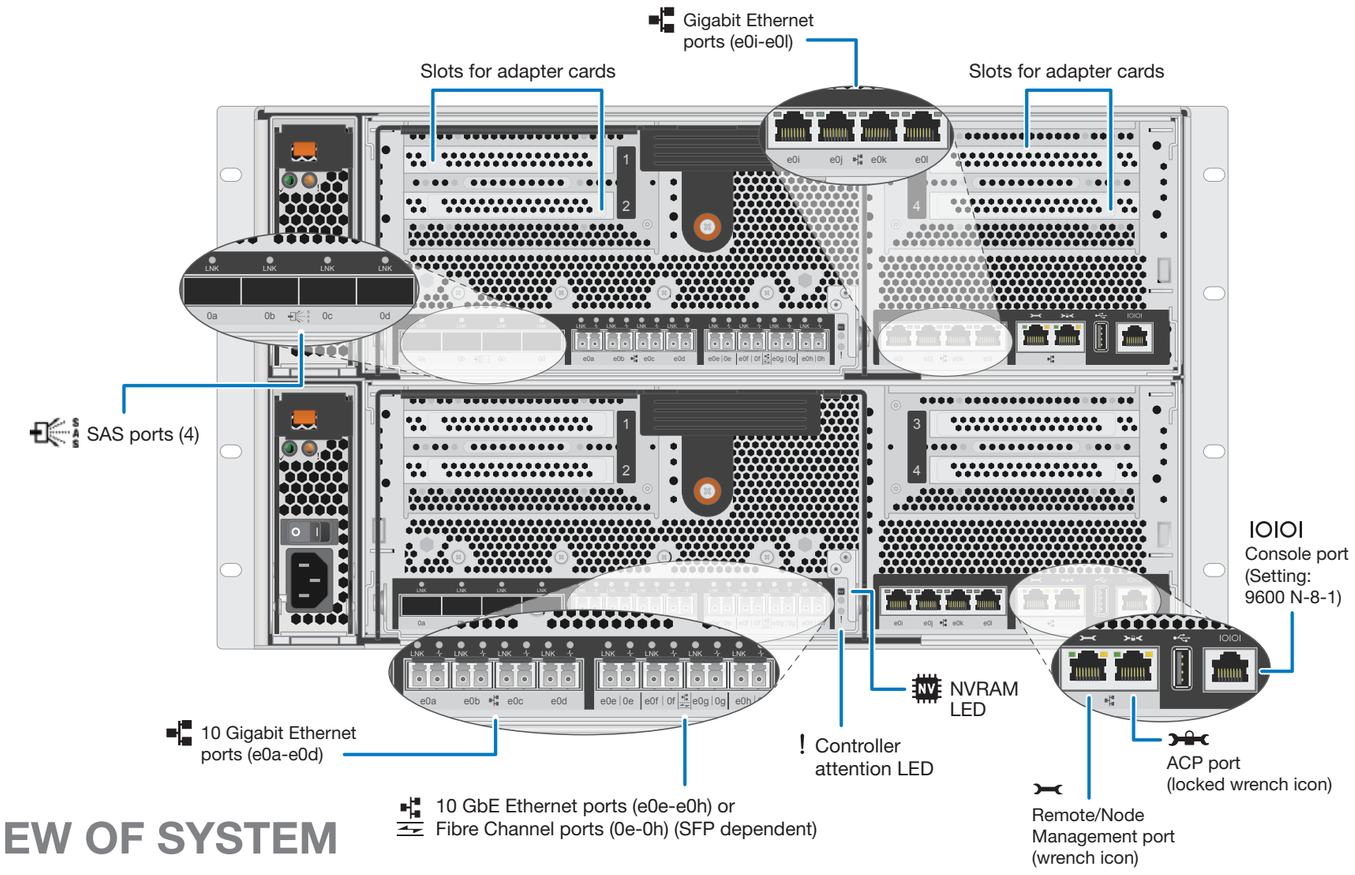
210-06179+A0

2 Install hardware

FRONT VIEW OF SYSTEM

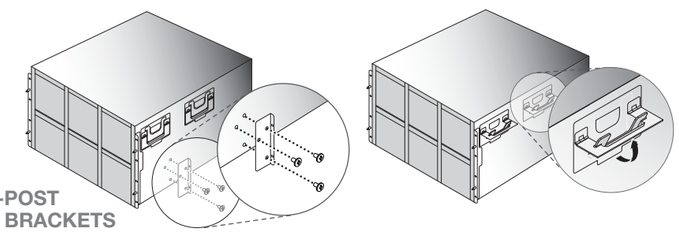


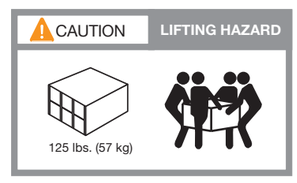
BACK VIEW OF SYSTEM



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 on the front of the system.





2 Cable controller to switches and power (Choose option A or B below)

See your network administrator for help connecting to your switch.

1 Attach cable management tray. (Not shown)

2 10GbE Network cables

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

OPTION B: Cable e0a through e0d on both controllers to switch(es).

3 Network cables

Connect wrench ports to the management switch.

4 Network cables

Connect GbE ports e0i and e0k to GbE data network switches.

5 10GbE Network cables

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

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

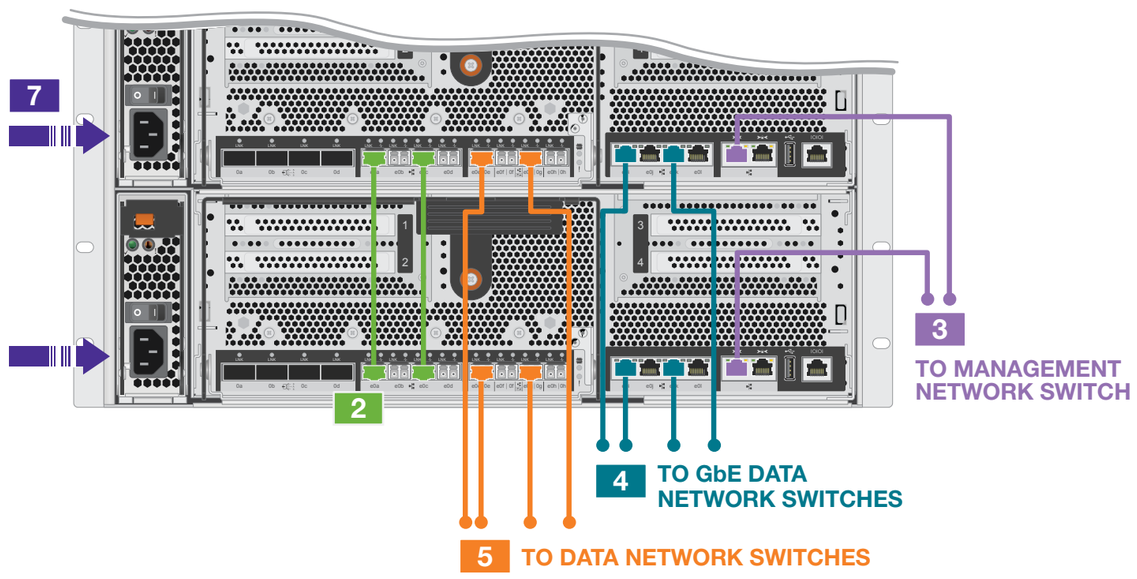
7 Power cables

Cable both power supplies for each chassis.

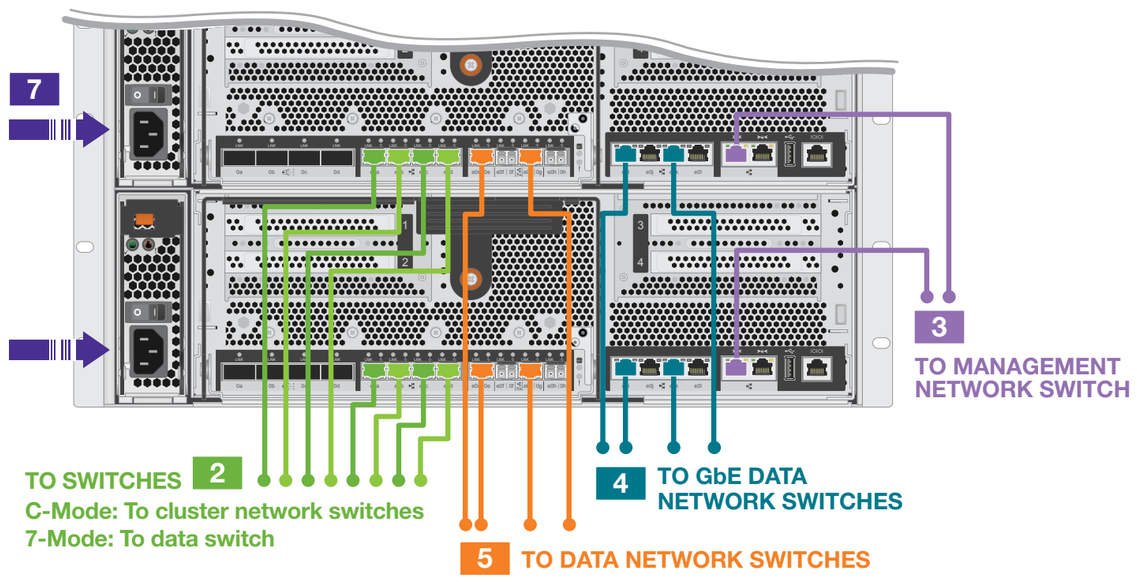
ALL power cords MUST be used for all units.

DO NOT power on system at this point.

A Two node switchless cluster, clustered Data ONTAP



B Switched HA configuration (clustered Data ONTAP and 7-Mode)



3 Cable storage (Choose option A or B below)

1 2 3 4 5

A Single chassis HA with DS424x disk shelves

1 2 3 Storage cables

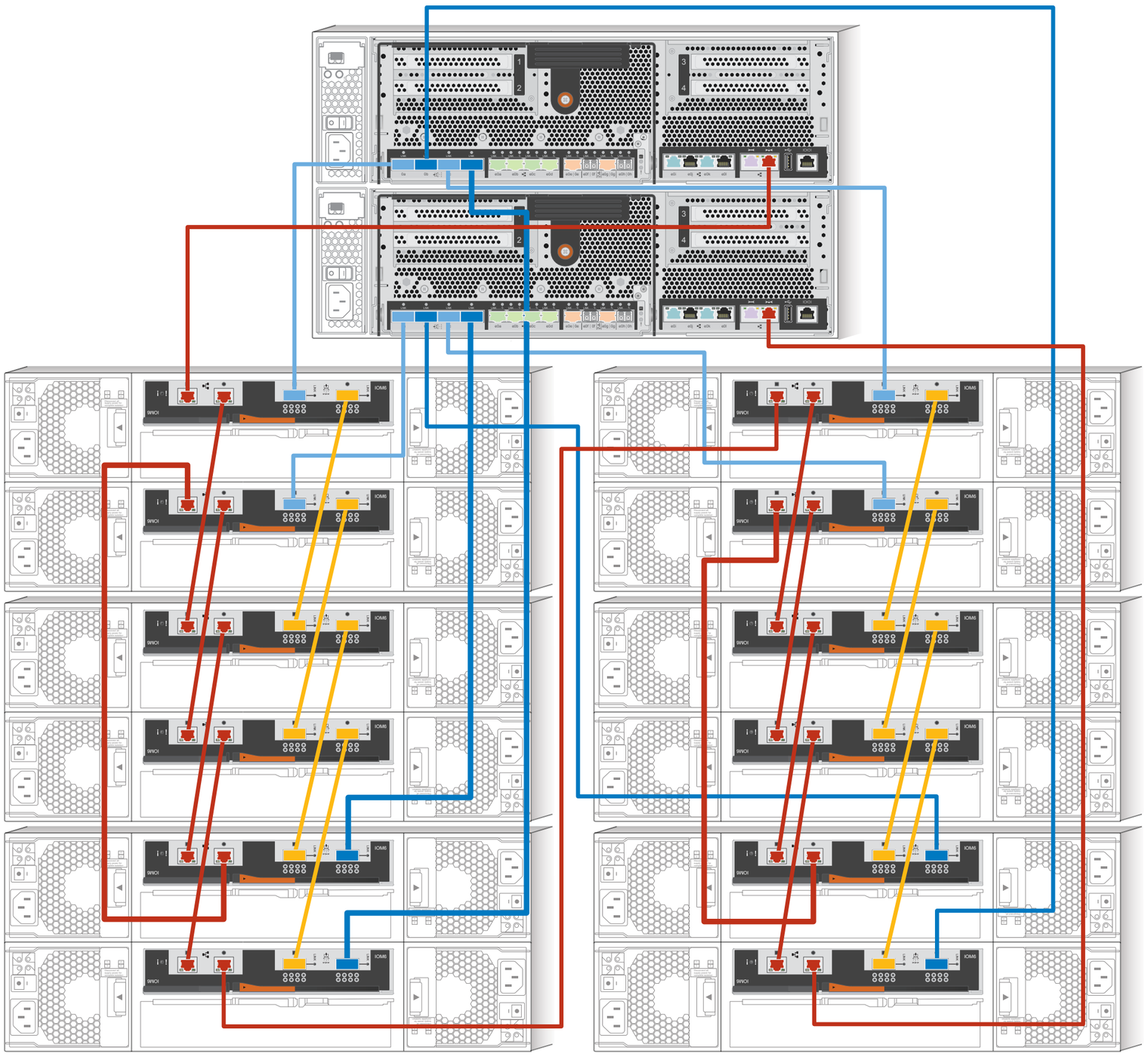
1 Daisy chain SAS ports

2 Connect first SAS ports

3 Connect last SAS ports

4 Network cables

Connect ACP ports on controllers to the disk shelves and shelf-to-shelf ACP ports



B Single chassis HA with DS2246 disk shelves

1 2 3 Storage cables

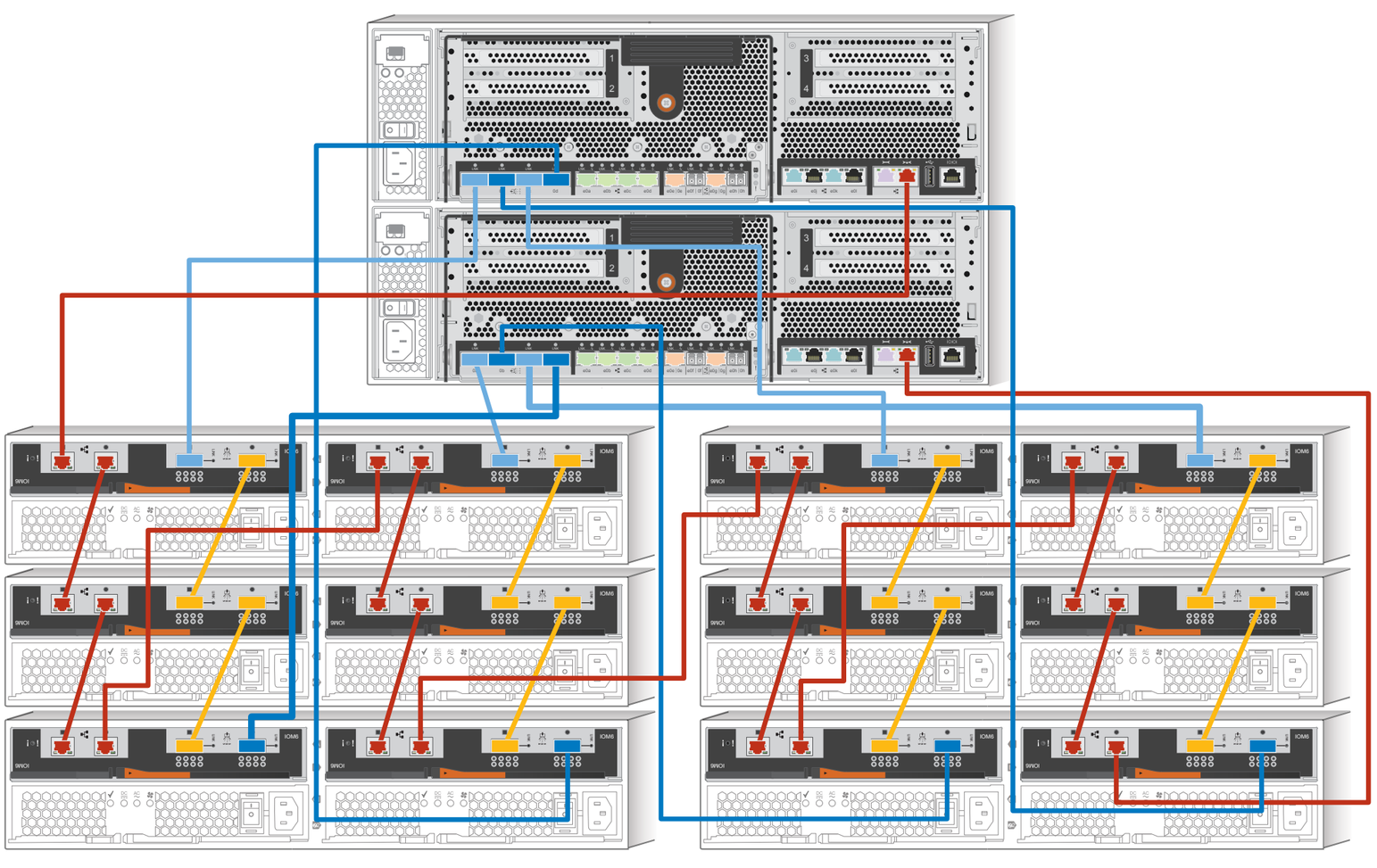
1 Daisy chain SAS ports

2 Cable first SAS ports

3 Cable last SAS ports

4 Network cables

Cable ACP ports on controllers to the disk shelves and shelf-to-shelf ACP ports



For additional configurations, see HELPFUL LINKS.

4 Complete System Setup (Choose option A or B below)

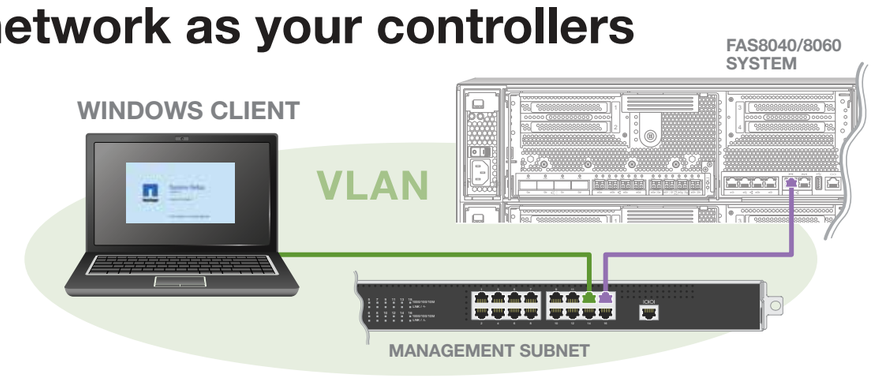
1 2 3 **4** 5

A For Clustered Data ONTAP

1 Complete configuration worksheet

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

2 Cable Windows client to same network as your controllers



3 Power on all disk shelves ONLY and check IDs

4 Install and run System Setup software

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

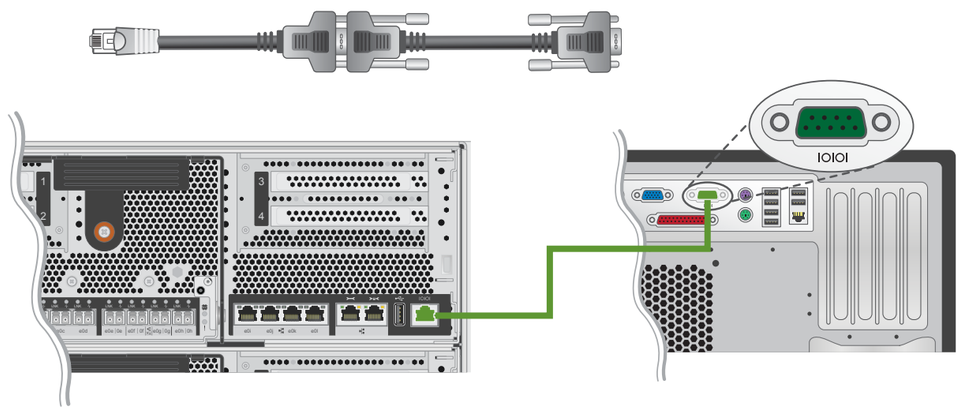
- Install System Setup software
- Do not power on your system until directed by System Setup software
  Both power supplies MUST be powered on.
- Discover the system.
  Wait for discover to complete.
- Enter the values from the configuration worksheet into System Setup.*

B For 7-Mode, HA

1 Complete configuration worksheets

From NetApp System Installation Workbook
https://fieldportal.netapp.com;
search for "NetApp System Installation Workbook"

2 Cable serial console



3 Power on all disk shelves, check IDs, and then power on the controllers.



ALL power supplies MUST be powered on.

4 Complete initial network configuration



Enter the values from the configuration workbook worksheets when prompted by setup script.

5 Complete configuration

1 2 3 4 **5**

1 Register at support.netapp.com

- Create an account and register your system.
- Get your license keys.

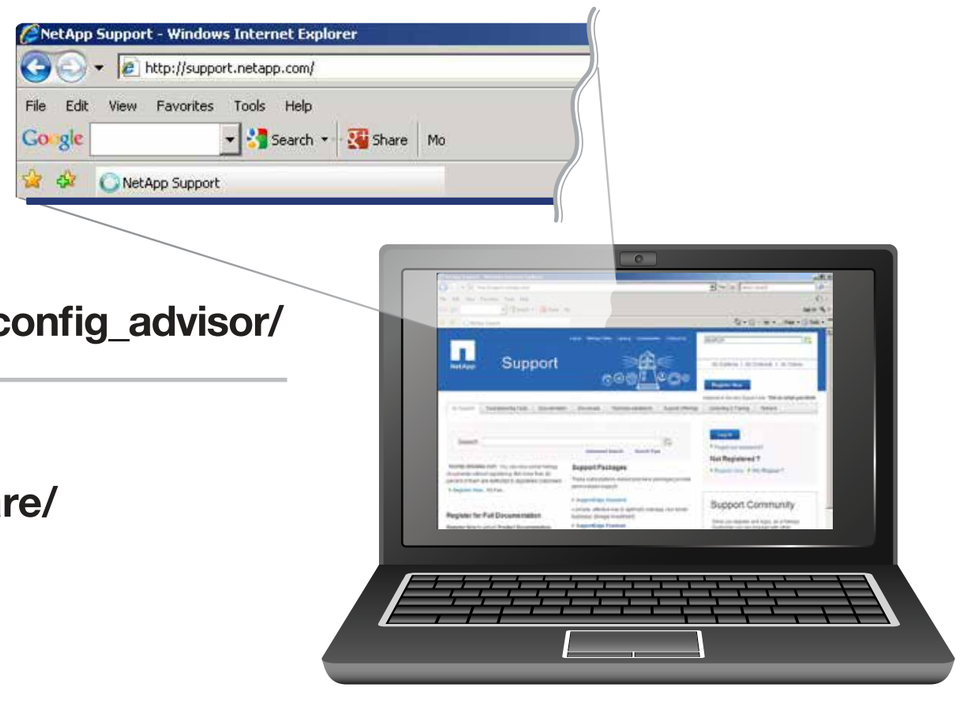
2 Download and run Config Advisor

From http://support.netapp.com/NOW/download/tools/config_advisor/

3 Download OnCommand System Manager

From http://support.netapp.com/NOW/cgi-bin/software/

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



NetApp support site

HELPFUL LINKS
Visit the NetApp web site for more information.

- **System Setup information:** http://support.netapp.com/NOW/public/system_setup/
- **Data ONTAP 8 library:** http://support.netapp.com/documentation/productlibrary/index.html?productID=30092
- **Licenses:** http://support.netapp.com/eservice/agree.do?moduleName=PROTOCOL
- **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://support.netapp.com/documentation/productlibrary/index.html?productID=61372
- **Data ONTAP Express Guides for your version of Data ONTAP:** http://support.netapp.com/documentation/productlibrary/index.html?productID=30092