Installation and Setup Instructions
AFF8040 and AFF8060 Systems

Prepare for installation

1. **In the box:**
   - Controller-to-controller cables
     - Part number 112-00297 or 112-00299
   - Cluster interconnect cable
   - Part number 112-00297 or 112-00300 or 112-00301
   - Part number 112-00188 or 112-01869 or 112-00990
   - Host cables
     - 10GbE network cable
     - Part number 112-00176 or 112-00177 or 112-00178
     - Optical network cable
     - SAS cables
     - Ethernet cables
     - Power cables
   - Additional network cables
     - Not provided with system
     - For connecting your storage to your network switch and Microsoft® Windows® client
   - Storage cables
     - Part number 112-00299 or 112-00300 or 112-00301
   - Serial cable
     - Not needed for this configuration

2. **You provide:**
   - Rack space 6U
   - Screwdriver

3. **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
Install hardware

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.

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.

3 10GbE network cable
   PN 112-00299 or 112-00300 or 112-00301
   Optional - e0d|0d and e0h|e0h to the data switches.
   Optical network cable
   PN 112-00189 or 112-00188 or 112-00090
   Connect ports e0e|0e and e0g|0g to data switches.

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

1 DO NOT install power cables at this point.
Cable storage (Choose option A or B below)

A Two stacks with one disk shelf each

1. Cable the first SAS ports
2. Cable the last SAS ports
3. **Ethernet cables (ACP)**
   
   Cable the ACP port on each controller to the disk shelves

B Two stacks with two disk shelves each

1. Cable the SAS shelf-to-shelf port
2. Cable first SAS ports
3. Cable last SAS ports
4. **Ethernet cables (ACP)**
   
   Cable ACP port on each controller to the disk shelves and shelf-to-shelf ACP ports

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

For additional configurations, see HELPFUL LINKS.
Complete System Setup and configuration (Choose option A or B below)

A For Factory Configured FC SAN 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
   IP: 10.10.10.10
   Note: Ignore the security warnings about an untrusted site
   User name: admin
   Password: netapp!123

5 Complete SAN setup wizard
   Select SQL or Oracle
   ▶ Select number of databases or enter Oracle database name
   ▶ Enter database size
   Enter a group name
   Enter WWPN for the host controller
   Pick the host type

6 For advanced setup and preparing the system for production, go to the FC SAN Optimized AFF Setup Guide
   https://library.netapp.com/ecm/ecm_download_file/ECMP12462582

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.
   - 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 for more information.

- Using all Flash FAS with Clustered Data ONTAP: https://library.netapp.com/ecm/ecm_download_file/ECMP12466574
- Controller and configuration examples; Universal SAS and ACP Cabling Guide: https://library.netapp.com/ecm/ecm_download_file/ECMM1280392
- Hardware Universe: https://hbu.netapp.com/