**Prepare for Installation**

1. **Prepare for Installation**
   - Download and run Config Advisor
   - Download OnCommand System Manager

2. **Install Hardware**
   - Install System Setup software

3. **Set up System**
   - Install System Setup software
   - Provision more storage

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

5. **Complete Configuration**
   - Install System Setup software
   - Power on the controllers.

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

**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.
   - Wait for discover to complete.
   - Enter the values from the configuration worksheet into System Setup.

5. Enter the values from the configuration worksheet when prompted by setup script.

**B For 7-Mode, HA**
1. Complete configuration worksheet
   - From NetApp System Installation Workbook

2. Complete initial network configuration
   - Enter the values from the configuration worksheet when prompted by setup script.

**Complete configuration**

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.

**HELPFUL LINKS**

- System Setup information: http://support.netapp.com/NOW/public/system_setup/
- Additional network cables: http://support.netapp.com/NOW/public/system_setup/
- System Setup Software: http://support.netapp.com/NOW/download/tools/config_advisor/
- OnCommand System Manager: http://support.netapp.com/NOW/download/tools/config_advisor/
Install hardware

1. Install system
   - Rack the system.
   - Rail kit: follow instructions in the rail kit.
   - 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
   - 3 OPTION A: Cable the cluster interconnect a0a to e0a and e1c to e1c ports on both controllers.
   - 4 OPTION B: Cable e0a through e1d on both controllers to switch(es).
   - 3 Connect wrench ports to the management switch.
   - 4 Connect GbE ports e1i and e1k to GbE data network switches.
   - 5 10GbE Network cables
   - 6 Connect ports e0(e)0 and e0(e)0 to data switch.
   - 7 Strap the cables to the cable management tray. (Not shown)
   - 7 Power cables
   - 8 Cable both power supplies for each chassis.
   - DO NOT connect power at this point.

Cable storage (Choose option A or B below)

A Single chassis HA with DS424x disk shelves
   - 1 Storage cables
   - 2 Daisy chain SAS ports
   - 3 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 Storage cables
   - 2 Daisy chain SAS ports
   - 3 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.
Install hardware

1 Install system
- Rack the system.
- Rail kit: follow instructions in the rail kit.
- 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. 10GigE network cables
       OPTION A: Cable the cluster interconnect e9a to e9a and e1c to e1c ports on both controllers.
       OPTION B: Cable e9a through e1d on both controllers to switch(s).
   3. Connect switch ports to the management switch.
   4. 10GigE network cables
       Connect GbE ports e1i and e1k to GbE data network switches.
   5. Connect e0i, e0j, e0k, and e0l to the 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.

3 Cable storage (Choose option A or B below)

A Single chassis HA with DS424x disk shelves

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. 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

Two node switchless cluster, clustered Data ONTAP

For additional configurations, see HELPFUL LINKS.
**A For Clustered Data ONTAP**

1. Complete configuration worksheet

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

**B For 7-Mode, HA**

1. Complete configuration worksheets
   - From NetApp System Installation Workbook
   - For connecting your storage to your network
   - You provide:
   - A
   - Additional network cables
   - Rack space - 6U
   - Rack space - 6U
   - Storage, starter network, and 10 GbE cables

2. Cable serial console

3. Complete initial network configuration

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

1. Prepare for installation

2. Install Hardware

3. Complete Configuration

**Complete configuration**

1. Register at support.netapp.com
   - Create an account and register your system.
   - Get your license keys.

2. Download and run Config Advisor

3. Download OnCommand System Manager
   - From [http://support.netapp.com/NOW/cgi-bin/software/](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.

**HELPFUL LINKS**

Visit the NetApp web site for more information.
- Data ONTAP Software Setup: [http://support.netapp.com/download/tools/config_advisor/](http://support.netapp.com/download/tools/config_advisor/)
- OnCommand System Manager: [http://support.netapp.com/NOW/cgi-bin/software/](http://support.netapp.com/NOW/cgi-bin/software/)
- Complete con/guration worksheet
- Complete System Setup (Choose option A or B below)