**Complete System Setup**

1. **Complete configuration worksheet**
   - Complete configuration worksheet from NetApp System Installation Workbook

2. **Cable serial console**

3. **Power on your system**
   - Power on disk shelves
   - Power on controller

4. **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.
   - Register your system.
   - Get your license keys.

2. **Validate storage configuration**
   - Run Configuration Checker from support.netapp.com

3. **Download OnCommand System Manager**
   - Provision storage.
   - Configure protocols and data protection.
   - Set up Service Processor and Remote Support Agent.

**HELPFUL LINKS**
Visit the NetApp web site for more information.
- 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: [https://library.netapp.com/ecm/ecm_get_file/ECMP1134694](https://library.netapp.com/ecm/ecm_get_file/ECMP1134694)
- NetApp System Installation Workbook: [https://library.netapp.com/ecm/ecm_get_file/ECMP1112530](https://library.netapp.com/ecm/ecm_get_file/ECMP1112530)
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- NetApp System Installation Workbook: [https://library.netapp.com/ecm/ecm_get_file/ECMP1112530](https://library.netapp.com/ecm/ecm_get_file/ECMP1112530)

**Prepare for installation**

1. **Find in the box:**
   - ACCESSORY TRAY
   - Network cables
   - Storage cables
   - HA or 10 GbE network cables
   - Power cables
   - Serial cable

2. **You need to provide:**
   - Rack space
   - Screwdriver
   - Serial console connection: Connect to DB9 serial console port or USB to DB9 converter to laptop
   - Additional network cables: For connecting software into your racks
   - Occasional software: For connecting your system between network switches.

**You need to provide:**
- Rack space
- Screwdriver
- Serial console connection: Connect to DB9 serial console port or USB to DB9 converter to laptop
- Additional network cables: For connecting software into your racks
- Occasional software: For connecting your system between network switches.

**Complete configuration worksheet**
- Complete configuration worksheet from NetApp System Installation Workbook

**Power on your system**
- Power on disk shelves
- Power on controller

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

**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**:
- [https://library.netapp.com/ecm/ecm_get_file/ECMP1134694](https://library.netapp.com/ecm/ecm_get_file/ECMP1134694)

**NetApp System Installation Workbook**:
- [https://library.netapp.com/ecm/ecm_get_file/ECMP1112530](https://library.netapp.com/ecm/ecm_get_file/ECMP1112530)

**OnCommand System Manager documentation set**:

**Data ONTAP library**:

**Licenses**:
- [http://support.netapp.com/eservice/agree.do?moduleName=PROTOCOL](http://support.netapp.com/eservice/agree.do?moduleName=PROTOCOL)
Install hardware

1. Install system
   - Rack the system.
   - Rail kit: follow instructions in rail kit.
   - Place the bezel over the front of the system.

2. Cable controller to switches
   (Choose option A or B below) See your network administrator for help connecting to your switch.

   A. 7-Mode, HA
      1. Attach cable management arms.
      2. Attach network cables.
      3. Attach cable management arms.
      4. Cable c0a to c0a ports to the data switch.
      5. Strip the cables to the cable management arms.

   B. Cluster-Mode
      1. Attach cable management arms.
      2. Attach network cables.
      3. Attach network cables.
      4. Connect e0a ports to the data switch.
      5. Strip the cables to the cable management arms.

3. Connect power cords
   - Cable both power supplies for each chassis.
   - DO NOT power on system at this point.

Cable storage (Choose option A or B below)

A. Dual chassis HA with DS424x disk shelves
   1. Storage cables
   2. Connect first SAS ports
   3. Connect last SAS ports
   4. ACP ports

B. Single chassis HA with either DS424x or DS2246 disk shelves
   1. Storage cables
   2. Daisy chain SAS ports
   3. Cable first SAS ports
   4. Cable ACP ports

For additional configurations, see HELPFUL LINKS.
Install hardware

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

2. Cable controller to switches
   (Choose option A or B below) See your network administrator for help connecting to your switch.

   A. Cluster-Mode
   - 1. Insert network cables on both controllers.
   - 2. Cable c0a to c0a ports and c0b to c0b ports on both controllers.
   - 3. Cable e1a and e2a to the switch.
   - 4. Cable last SAS ports to the switch.
   - 5. Strap the cables to the controller.

   B. 7-Mode, HA
   - 1. Attach cable management arms.
   - 4. Daisy chain SAS ports to the switch.
   - 5. Daisy chain SAS ports to the switch.

3. Connect power cords
   - Cable both power supplies for each chassis.
   - DO NOT power on system at this point.

Cable storage (Choose option A or B below)

A. Dual chassis HA with DS424x disk shelves
   - 1. Daisy chain SAS ports
   - 2. Connect first SAS ports
   - 3. Connect last SAS ports
   - 4. Connect ACP ports on controllers to the disk shelves

B. Single chassis HA with either DS424x or DS2246 disk shelves
   - 1. Daisy chain SAS ports
   - 2. Cable first SAS ports
   - 3. Cable last SAS ports
   - 4. Cable ACP ports on controllers to the disk shelves

For additional configurations, see HELPFUL LINKS.
**Prepare for installation**

1. **Find in the box:**
   - Serial cable
   - Additional network cables
   - Storage cables
   - HA or 10 GbE network cables
   - Rack space
   - Screwdriver
   - Power cables
   - Accessory tray
   - Storage disks (if applicable)
   - Additional hardware (if applicable)

2. **Additional network cables**
   - For connecting your storage to your network switches.

3. **Cable serial console**
   - Connection to DB9 serial console port
   - Or USB-to-DB9 converter to laptop

4. **Power on disk shelves**
   - ALL power supplies MUST be powered on.

5. **Power on controller**
   - ALL power supplies MUST be powered on.

6. **Complete configuration worksheet**
   - Complete configuration worksheet from NetApp System Installation Workbook

7. **Complete System Setup**
   - NetApp System Installation Workbook

**HELPFUL LINKS**

- 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: [https://library.netapp.com/ecm/ecm_get_file/ECMP1124782](https://library.netapp.com/ecm/ecm_get_file/ECMP1124782)
- NetApp System Installation Workbook: [https://fieldportal.netapp.com/search/?searchTerm=Installation+Workbook#](https://fieldportal.netapp.com/search/?searchTerm=Installation+Workbook#)
- Storage Management Guide
  - Logical Storage Management Guide
  - File Access & Protocols Management Guide
  - Data Protection Guide

**Complete System Setup**

- Enter the values from the configuration worksheet when prompted by setup script.
- Complete initial network configuration
- Download OnCommand System Manager
- Validate storage configuration
- Create an account.
- Register your system.
- Get your license keys.
- Power on controller.
- Provision storage.
- Configure protocols and data protection.
- Set up Service Processor and Remote Support Agent.
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