1. Configure your system

SAN or NAS optimized system: Log into System Manager as described on the back of your system, and then complete the storage provisioning wizards found under Applications in System Manager.

All other systems:
1. Assign an initial node management IP address to one of the nodes if you have DHCP configured on your management network, record the IP address assigned to the new controller.
2. Use System Manager Guided Setup to configure your cluster:
   a. Point your browser to the address you assigned in step 1: https://x.x.x.x.
   b. Enter the data from your Cluster Configuration Worksheet.

2. Connect the power cables to the controllers and to the power source.

The system powers on when plugged into the power source.

3. Complete system setup and configuration

Stage 4

1. Cable and configure your client

- Connect the console cable to the client and the console port on the controller module.
- Connect the client to the switch and Microsoft® Windows® client with a USB/serial connection.
- Connect the console cable to the client and the console port on the controller module and then power-cycle the drive shelf to make the shelf ID take effect.
- Repeat these steps for any remaining drive shelves.

2. If your system has one or more drive shelves, set the shelf IDs:

   1. Power on the drive shelf and then remove the end cap on the left of the shelf.
   2. Press and hold the orange button until the first digit blinks, and then press the button to advance the first digit (0-9) to the desired number. The first digit continues to blink.
   3. Press and hold the button until the second digit blinks, and then press the button to advance the second digit (0-9) to the desired number. The first digit stops blinking, and the second digit continues to blink.
   4. Press and hold the button until the second digit stops blinking, and then replace the end cap on the shelf.
   5. Wait about 10 seconds for both digits to start blinking again and for the LED to illuminate.
   6. Repeat these steps for any remaining drive shelves.

3. Connect the power cables to the controllers and to the power source.

4. Complete system setup and configuration

Stage 4

1. Setup the system configuration

Download and complete the Cluster Configuration Worksheet.

2. Unpack all boxes and inventory contents.

3. Go to the AFF and FAS System Documentation Center at https://docs.netapp.com/platstor/index.jsp and click AFF A700s systems, and then Installation and Setup:
   - Download and complete the Cluster Configuration Worksheet.
   - Watch the videos listed under Setup videos.

4. Prepare for installation

Stage 1

1. Go to mysupport.netapp.com and create an account, register your system, and get your license keys.
2. Unpack all boxes and inventory contents.
3. Go to https://docs.netapp.com/platstor/index.jsp and click AFF A700s systems, and then Installation and Setup:
   - Download and complete the Cluster Configuration Worksheet.
   - Watch the videos listed under Setup videos.

4. Complete system setup and configuration

Stage 4

1. Cable and configure your client

- Connect the console cable to the client and the console port on the controller module.
- Connect the client to the switch and Microsoft® Windows® client with a USB/serial connection.
- Connect the console cable to the client and the console port on the controller module and then power-cycle the drive shelf to make the shelf ID take effect.
- Repeat these steps for any remaining drive shelves.

2. If your system has one or more drive shelves, set the shelf IDs:

   1. Power on the drive shelf and then remove the end cap on the left of the shelf.
   2. Press and hold the orange button until the first digit blinks, and then press the button to advance the first digit (0-9) to the desired number. The first digit continues to blink.
   3. Press and hold the button until the second digit blinks, and then press the button to advance the second digit (0-9) to the desired number. The first digit stops blinking, and the second digit continues to blink.
   4. Press and hold the button until the second digit stops blinking, and then replace the end cap on the shelf.
   5. Wait about 10 seconds for both digits to start blinking again and for the LED to illuminate.
   6. Repeat these steps for any remaining drive shelves.

3. Connect the power cables to the controllers and to the power source.

The system powers on when plugged into the power source.

4. Complete system setup and configuration

Stage 4

1. Setup the system configuration

Download and complete the Cluster Configuration Worksheet.

2. Unpack all boxes and inventory contents.

3. Go to the AFF and FAS System Documentation Center at https://docs.netapp.com/platstor/index.jsp and click AFF A700s systems, and then Installation and Setup:
   - Download and complete the Cluster Configuration Worksheet.
   - Watch the videos listed under Setup videos.

4. Prepare for installation

Stage 1

1. Go to mysupport.netapp.com and create an account, register your system, and get your license keys.
2. Unpack all boxes and inventory contents.
3. Go to https://docs.netapp.com/platstor/index.jsp and click AFF A700s systems, and then Installation and Setup:
   - Download and complete the Cluster Configuration Worksheet.
   - Watch the videos listed under Setup videos.
1. Unpack and install the system.
   - Install the rail or telco tray kits, as needed, and then install and secure your system using the instructions included with the kit.
   - Attach cable management devices (as shown).
   - Place the bezel on the front of the system.

2. Cable controller to switches (Choose the option below that matches your order).

   **See your network administrator for help connecting to your switch.**

   A. 40GbE two-node switchless cluster and 40GbE data network
   - 1. Cable the controllers to the 10GbE data network switches.
   - 2. Cable the controllers to the network switches.
   - 3. Connect the controllers to the cluster interconnect switches.

   B. 40GbE cluster interconnect network and 10GbE data network
   - 1. 40GbE breakout cable to 10GbE data network switches.
   - 2. 10GbE breakout cable to the 40GbE data network switches.
   - 3. Connect the controllers to Stack 1.
   - 4. Connect the controllers to Stack 2.

   C. 10GbE cluster interconnect network and 10GbE data network
   - 1. Cable the controllers to the 10GbE network switches.
   - 2. Connect the controllers to Stack 1.
   - 3. Connect the controllers to Stack 2.

   **Do not plug power cords into the power source at this point.**
1 Unpack and install the system.
- Install the rail or telco tray kits, as needed, and then install and secure your system using the instructions included with the kit.
- Attach cable management devices (as shown).
- Place the bezel on the front of the system.

2 Cable controller to switches (Choose the option below that matches your order)

See your network administrator for help connecting to your switch.

**A** 40Gbe two-node switchless cluster and 40Gbe data network

- Connect the controllers to Stack 2
- Connect the controllers to Stack 1

**B** 40Gbe cluster interconnect network and 10Gbe data network

- Connect the controllers to Stack 2
- Orient the cable connector pull-tab in the correct direction, then gently push the connector into place until it clicks.
- Note: To unplug a cable, gently pull the tab to release the locking mechanism.

**C** 10Gbe cluster interconnect network and 10Gbe data network

- Connect power cables to the power supplies, but not to the power source. (not shown)

3 For systems with FC cards:

Cable 2a, 2b, 3a, and 3b to the FC Fabric switches. Note: If your system is configured with port 104 FC cards, connect cables 1c and 2c to the 10GbE data network.

4 Orient the cable connector pull-tab in the correct direction, then gently push the connector into place until it clicks.

5 Strap the cables to the cable management arms (not shown).

6 Power cables

7 Connect power cables to the power supplies, but not to the power source. (not shown)

8 If you have any external storage, go to page 4.

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**Cable external storage**

**Two drive shelf stacks of one drive shelf per stack**

1 Connect the shelf-to-shelf ports
2 Connect the controllers to Stack 1
3 Connect the controllers to Stack 2

**Two drive shelf stacks of two drive shelves per stack**

1 Connect the shelf-to-shelf ports
2 Connect the controllers to Stack 1
3 Connect the controllers to Stack 2
**Pre-setup**

1. Go to mysupport.netapp.com and create an account, register your system, and get your license keys.
2. Unpack all boxes and inventory contents.
3. Go to the AFF and FAS System Documentation Center at https://docs.netapp.com/plastor/index.jsp and click AFF A700s systems, and then Installation and Setup:
   - Download and complete the Cluster Configuration Worksheet.
   - Watch the videos listed under Setup videos.

**In the box**

- 40GbE cluster network card
- Copper breakout cable
- Data and cluster interconnect cables
- Fibre Channel cable
- MiniSAS HD cable
- USB console cable
- Additional cables and optional rail kit
- Rack space

**You provide**

- Client with a USB/serial connection
- Additional network cables
- Rack space
- Screwdriver
- Client

**Prepare for installation | Stage 1**

1. Power on the drive shelf, and then remove the end cap on the left of the shelf.
2. Press and hold the orange button until the first digit blinks, and then press the button to advance the first digit (0-9) to the desired number. The first digit continues to blink.
3. Press and hold the button until the second digit blinks, and then press the button to advance the second digit (0-9) to the desired number. The first digit stops blinking, and the second digit continues to blink.
4. Press and hold the button until the second digit stops blinking, and then replace the end cap on the shelf.
5. Wait about 10 seconds for both digits to start blinking again and for the LED to illuminate, and then power-cycle the drive shelf to make the shelf ID take effect.
6. Repeat these steps for any remaining drive shelves.

**Cable and configure your client**

1. Connect the console cable to the client and the console port on the controller module.
   - Ethernet cables
   - USB console cable

2. Connect the client to the switch on the management subnet:
   a. Give the client a TCP/IP address on the management subnet.
   b. Set the console port on the client to 115,200 baud with N-8-1.

If your system has one or more drive shelves, set the shelf IDs:

1. Power on the drive shelf, and then remove the end cap on the left of the shelf.
2. Press and hold the orange button until the first digit blinks, and then press the button to advance the first digit (0-9) to the desired number. The first digit continues to blink.
3. Press and hold the button until the second digit blinks, and then press the button to advance the second digit (0-9) to the desired number. The first digit stops blinking, and the second digit continues to blink.
4. Press and hold the button until the second digit stops blinking, and then replace the end cap on the shelf.
5. Wait about 10 seconds for both digits to start blinking again and for the LED to illuminate, and then power-cycle the drive shelf to make the shelf ID take effect.
6. Repeat these steps for any remaining drive shelves.

**Connect the power cables to the controllers and to the power source.**

The system powers on when plugged into the power source.

**Configure your system**

SAN or NAS optimized system: Log into System Manager, as described on the back of your system, and then complete the storage provisioning wizards found under Applications in System Manager.

All other systems:

1. Assign an initial node management IP address to one of the nodes if you have DHCP configured on your management network, record the IP address assigned to the new controllers.
2. Use System Manager Guided Setup to configure your cluster:
   a. Open a session using PuTTY, a terminal server, or the equivalent for your environment.
   b. Enter the node management IP address when prompted.
3. Connect the client to your cluster:
   a. Point your browser to the address you assigned in step 1: https://x.x.x.x.
   b. Enter the data from your Cluster Configuration Worksheet.

**Complete system setup and configuration | Stage 4**