Before you begin

Required:

- Create an EMC Online Support account: https://support.emc.com. You will need this account later in the installation process to activate software licenses and configure ESRS (EMC Secure Remote Services).
- If your Unity system arrived pre-racked, begin installation at Step 4 of this guide.
- Obtain the help of a second person to install the enclosure into the rack, or use a mechanical lift.
- If you have more than one enclosure to install, use the Unity Installation Guide to complete your installation. The installation guide includes racking and cabling instructions required for additional enclosures, which are not covered here. The Unity Installation Guide is located here: http://bit.ly/unityinfohub.

Recommended:

- Download the Connection Utility at http://bit.ly/unityinfohub. You will need this utility if you want to assign static IP addresses to your system. You will not need this utility if you plan to use DHCP to automatically assign IP addresses to your system.
- If you are installing your system in a location with restricted internet access, download the Connection Utility and your license files before starting the installation process: http://bit.ly/unityinfohub.
- Refer to the What’s next section for important details about adding enclosures and using the Unisphere online help.

Purpose of this document
1. Unpack your system

Verify that you have the following components:
- 2U Disk Processor Enclosure (DPE) with either 12-3.5” drive slots or 25-2.5” drive slots
- Rail kit, including 2 rails with 6 mounting screws
- 2 power cables (100-240Vac)
- Bezel
- Not provided by EMC, but you will also need:
  - A Phillips-head screwdriver with magnetic tip
  - 2 CAT 5 or better Ethernet cables

2. Install the rails

The rails are designated Left and Right and cannot be interchanged.
1. First, orient the rails. Face the front of the cabinet when orienting the Left and Right rail placement. The front of each rail is stamped L or R.
2. From the rear of the cabinet, insert the adaptors into the holes on the rear rack channel with the rail extended as shown in the image below.
3. Push the rail into the rear mounting holes until the spring clips snap into place on the outside of the rear rack channel:

   **CAUTION**
   Ensure the holes on the rail line up with the holes on the cabinet. This will ensure proper alignment of the rails. Also, check that the rails are level from front-to-back and left-to-right. Ensure you are using the same unit markers from the front of the cabinet to the rear of the cabinet.

4. From the **rear of the cabinet**, secure the rails in place using one M5 screw on each rail:

![Diagram showing rear rail installation](image)

5. Next, working from the **front of the cabinet**, align the adaptor with the mounting hole on the front of the rack, as shown in the image below in Step 6.

![Diagram showing front rail installation](image)

**CAUTION**
Ensure the holes on the rail line up with the holes on the cabinet. This will ensure proper alignment of the rails. Also, check that the rails are level from front-to-back and left-to-right. Ensure you are using the same unit markers from the front of the cabinet to the rear of the cabinet.

6. Push in on the spring clip while pulling the rail forward. When the spring clip is forward of the front rack channel, and the adaptor is in the mounting holes, release the spring clip so it holds the rail in place.

**CAUTION**
Ensure the spring clip is securely attached to the channel. It may be necessary to push in on the clip to assist in snapping it into place.
3. Install the system onto the rails

**CAUTION**

The enclosure is heavy and should be installed into or removed from a rack by two people. To avoid personal injury and/or damage to the equipment, do not attempt to lift and install the enclosure into a rack without a mechanical lift and/or help from another person.

1. From the front of the rack, slide the enclosure onto the rails:

2. Secure the enclosure to the front vertical channels of the cabinet with 4 screws (2 per side).
4. Record your system serial number
Locate and record the product serial number tag on the front of the DPE chassis in either of the locations shown below. You will use this number to obtain product licenses later in the installation process:

12-drive enclosure: The underside of the top edge near the right side.

25-drive enclosure: Below the power status LED located between drive slots 16 and 17.

5. Cable the system to the network
Connect two CAT 5 (or better) ethernet cables from your local network (LAN) to the RJ45 management ports at the rear of the system. The management ports have a white border around them.
6. Power up

1. Verify that the cabinet’s circuit breakers are in the ON position and power is connected to the cabinet.

2. Connect each DPE power cable to the system power component and to the PDUs. After you plug in the power cables, the system immediately powers up:

3. Secure each cable to the system component with the cable clip:

4. Ensure that the Service Processor LEDs display the correct condition before continuing with system initialization (initial system boot could take 15-60 minutes to complete, depending on factory configuration).

   IMPORTANT: Refer to the Unity Installation Guide (http://bit.ly/unityinfohub) to verify system LED conditions or to install additional drive enclosures.

7. Assign a management address

Before you can configure and manage the Unity system, you must assign a network address to it. There are two ways to do this:

Note: It can take the Connection Utility 10-15 minutes to recognize and populate the serial number.

Note: Disable any security software running on your workstation that may prevent the initialized system from being detected.

- **Allow the system to dynamically acquire an IP address by using DHCP.** If DHCP is supported on your network, the Unity system automatically obtains a network address when you power it up. Check with your network administrator about DHCP availability on your network.

- **Assign a static address to the system.** Download, install, and run the Connection Utility software. This must be done on a computer with access to the subnet where you installed your Unity system. The Connection Utility requires the following:
  - Your system serial number. This identifies the system on the network.
  - The system IP address. Obtain an IP address from your network administrator.
  - Subnet mask.
  - Default gateway.
8. Launch the Unisphere Initial Configuration Wizard

The Initial Configuration Wizard walks you through the steps to install licenses, configure network settings, create pools, manage alerts, define support options, configure network interfaces, and create NAS servers.

1. Complete the Configuration Worksheet. This worksheet is located in the Unity Installation Guide or as a separate download from the Unity Info Hub: http://bit.ly/unityinfohub.

2. Access the Unisphere management application.
   - If you manually configured the system with the Connection Utility, click Launch Unisphere, or open a web browser and enter the IP address that you assigned to the Unity system.
   - If the system automatically acquired an IP address through DHCP, enter the Unity system serial number and its network domain in the browser’s address bar as follows: Sample URL: FM100000000017.mylab.xyz.com

**Note:** If you receive a certificate error when trying to access Unisphere, refer to your internet browser instructions to either bypass the error or to install the self-signed array certificate. For more detail about your system certificate, refer to the EMC Unity Family Security Configuration Guide.

   - Log in with the default user name and password. Please complete the tasks associated with this wizard before placing the system into use.
   - Username: admin
   - Password: Password123#

   Licensing your system includes:
   - The Unisphere Initial Configuration Wizard automatically takes you to SW Licensing Central.
   - Register, activate, and download your license files as described on SW Licensing Central.
   - Install licenses on your array using the Unisphere Initial Configuration Wizard.

What’s next?

- Use the Unisphere Online Help to further guide you through the configuration process.
- If you need to add Disk Array Enclosures (DAEs) to the system at a later time, use the (15- or 25-drive) Installing an Optional Disk-Array Enclosure guide at http://bit.ly/unityinfohub_cru.

Other languages

You can access localized versions of this and other documents at support.emc.com.

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