

## Lenovo Flex System **Enterprise Chassis** Types 7893, 8721, and 8724

## **Quick Start Instructions**

Note: For detailed instructions, see the Lenovo Flex System Enterprise Chassis Types 7893, 8721, and 8724 Installation and Service Guide.

Before you install this product, read the safety information in the *Lenovo Flex* System Enterprise Chassis Types 7893, 8721, and 8724 Installation and Service Guide.

Learn more about the Lenovo Flex System Enterprise Chassis through the learning modules at

http://pic.dhe.ibm.com/infocenter/flexsys/information/index.jsp. This site also contains the Flex System product documentation.

Before	e you begin	
1.1       Verify the shipm         Lenovo Flex         Rack installa         Accessory F         10 M5 x         8 M5 x         12 M5 c         12 M5 c         12 M5 c         1 lower         1 left sh         1 right s         4 chass         1 power         1 Sanstr         Docume         State         Nod	ient contents: System Enterprise Chassis tion template kit x 16 combi-head screws (black) 16 captive-washer screws (silver) ilip nuts - 74F1823 age nuts - 81Y2820 shipping bracket - 81Y2988 ipping bracket - 81Y2986 shipping bracket - 81Y2991 is lift handles r cable per power supply rap stretch band entation kit <i>erprise Chassis Documentation CE</i> <i>ortant Notices</i> document ement of Limited Warranty e labels	Rail installation k 10 hook-and 8 M5 x 16 c 1 left chassis 1 right chass Rack installation template

Become familiar with the chassis components. The following modules are standard: One Flex System Chassis Management Module (CMM), two or more power supplies, six or more fan modules, and two fan logic modules. The chassis might also include one or more compute nodes, storage nodes, and a management node. The features or modules that you receive might differ from the contents shown in Figures 1 and 2, depending on what you ordered (see Figures 1 and 2).





Align the rack template with the holes in the EIA flange (internal to rack). **2.2** For EIA flanges with square holes, install M5 cage nuts from the accessory kit in the holes that are indicated on the template. If the EIA flanges have round holes, install the M5 clip nuts from the accessory kit instead of the M5 cage nuts.

**Note:** Install cage nuts or clip nuts on the front and back EIA flanges.

Figure 1. Front view of the Lenovo Flex System Enterprise Chassis







Position the left chassis rail in the selected location on the rear of the rack. 2.4 Align the posts on the chassis rail with the corresponding holes on the rear EIA flange. Insert the posts on the rear of the chassis rail through the holes on the rear EIA flange until the hooks snap into place.



Pull the chassis rail forward and insert the posts on the front of the chassis rail into the 2.5 holes on the front EIA flange until it snaps into place. Repeat steps 2.4 and 2.5 for the right chassis rail.

## Note:

1. Make sure that the bottom edge of the chassis rail is aligned with the bottom U that you want the chassis to rest on.

- 2. If you misalign the chassis rail, press the locking hooks release or squeeze the locking hooks on the chassis rail, slide the posts out of the holes, and try again.
- 3. Make sure that the chassis rail posts protrude through the holes
- on the front EIA flange. 4. Install an M5 combi-head screw in each end of the rail. Use the lower threaded hole on the front and the upper threaded hole on the rear.
  - M5 combi-head screw (black) Locking hooks releas Front EIA flange M5 combi-head screw (black)



2.6

2.7



Lift the chassis up, place the rear of the chassis onto the chassis rails, and slide the chassis into the rack until the rear chassis handles are near the front rack rails. While you support THE FRONT OF the chassis, remove each rear handle by pressing inward on the spring latches on the handle and sliding the handle down.





Reinstall the chassis shelves, if you removed them earlier.

Reinstall all the components in the chassis.

Note: When you reinstall the compute nodes, storage nodes, and the Flex System Manager management node, be sure to install from the bottom up (the first node in node bay 1, the second node in node bay 2, and so on).

(Optional) Install the chassis airborne contaminant filter.

Cable the I/O modules to the network devices in the data network. 2.16

Network access tag

The network access tag lists the following initial connection information for the CMM: MAC address

- Default host name
- IPv6 Link Local Address (LLA)
- Default IPv4 static IP address (192.168.70.100)
- Default user name (USERID)
- Default password (PASSW0RD, where
- the number zero, not the letter O, is used)

The network access tag is attached to the front of the CMM.

The front of the network access tag lists the CMM MAC address, default host name, and IPv6 LLA, as shown in the following illustration.

	DHCP is	MAC Address	(Last 12 characters)	
	enabled by default	MM*****	*******	
$\bigcirc$	Defau	It Hostname: MM Labe	el Here	
חו	we link loop			

The rear of the network access tag lists the default IPv4 static IP address, default user name, and default password, as shown in the following illustration.

Rear

4.6

2.1

2.13

2.14

2.1



Perform the initial configuration of the CMM. Set the IP address for each of the components in the chassis. This includes the IP address of the IMM or FSP in each of the compute nodes

and the IP address of each of the switches in the chassis. From the CMM user interface, select Chassis Management > Component **IP Configuration**. Then, select a device to change its IP address. Notes:

• You must restart each device to show the new IP address. • Due to the design of the Flex System Chassis, it is important to have all management network traffic on a separate subnet than the data traffic. This means all CMMs, IMMs, FSPs, and switch management interfaces should be on a different subnet/VLAN than the data production traffic of the other chassis components (such as node operating systems).



2.8

## Back

Slide the chassis farther into the rack until the front chassis handles are near the front rack rails, and remove the front handles. Then, slide the chassis all the way into the rack.



After you complete the initial configuration, you can access the Flex

System Manager user interface to complete the setup and begin

On a client computer that is connected to your network,

point your browser to https://IP\_address, where IP\_address

is the IP address that you entered during the initial configuration

Log in to the user interface of each of the switches in the chassis and

managing the chassis.

(in step 5.3).

**5.5** configure them.

- If you plan to transport the rack to another location, you 2.9 must install the support brackets that come with the chassis.
  - 1. Align the right support bracket with the four slots on the rear of the chassis (outside of the chassis wall).
  - 2. Slide the support bracket forward until it locks into place in the slots. 3. Secure the support bracket to the rack with three M5 combi-head screws (black).
  - 4. Repeat steps 1 through 3 for the left support bracket.
  - 5. Fit the lower support bracket to the chassis; then, slide it forward against the rack rails and secure the bracket with four M5 combi-head screws (black).



Power the Flex System Enterprise Chassis	Connect to the Chassis Management Module by direct connection
<ul> <li>Connect the applicable power cords and supply power to the Lenovo Flex System Enterprise Chassis.</li> <li>LEDs are on both the front and rear of the chassis. The rear LEDs are below fan bay 1. Make sure that the following LEDs are lit:</li> <li>The logo on the front information panel</li> <li>The dc power and ac power LEDs on each power supply (see Figure 2 in step 1.2)</li> <li>Power LEDs on each I/O module (see Figure 2 in step 1.2)</li> <li>If any of the LEDs are not lit, complete the following steps:</li> <li>Remove power from the chassis.</li> <li>Reseat all components in the chassis.</li> <li>Supply power to the chassis. If the problem remains, contact Support.</li> </ul>	<ul> <li>4.1 Connect an Ethernet cable from a client computer to the active Chassis Management Module (CMM) by a direct connection. If two CMMs are installed, you only have to configure the primary CMM. The Active LED will be lit (A) on the primary CMM. The primary CMM automatically synchronizes the configuration with the standby CMM.</li> <li>4.2 To connect to the CMM for the first time, you might have to change the Internet Protocol properties on the client computer. Make sure that the the client computer subnet is the same as the CMM subnet (the default CMM subnet is 255.255.255.0). The CMM IP address must also be in the same local domain as the client computer IP address.</li> <li>4.3 Open a web browser on the client computer, and direct it to the CMM IP address. You must use a secure connection (https://192.168.70.100).</li> <li>Mote: The manufacturing default static IPv4 IP address is 192.168.70.100, and the default IPv4 subnet address is 255.255.255.0.</li> <li>4.4 Enter the CMM user name and password to start the remote session.</li> <li>The user ID and password are case sensitive. The same user ID and password are used for all methods of connecting to the CMM.</li> <li>The default CMM user name is USERID, and the default password is PASSWORD (note the number zero, not the letter O, in PASSWORD). You will be required to change the default password when you log in for the first time.</li> </ul>
Next Steps	Initial setup is now complete. You are ready to begin using the Lenovo Flex System Enterprise Chassis. The product documentation is available at
<ul> <li>Restart the CMM from the CMM user interface. As the CMM is restarting connect a cable from the Ethernet port on the CMM to your network.</li> <li>If you are setting up a Flex System Manager management node, use a console breakout cable to connect a keyboard, mouse, and monitor directly to the management node.</li> <li>Start the Flex System Manager management node and complete the initial setup.</li> </ul>	http://pic.dhe.ibm.com/infocenter/flexsys/information/index.jsp For step-by-step instructions for setting up your Lenovo Flex System Enterprise Chassis and performing common management tasks, go to http://pic.dhe.ibm.com/infocenter/flexsys/information /topic/com.ibm.acc.commontasks.doc/commontasks_intro.html

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Edition 3