
IBM xSeries 130 Appliance Server Quick Setup Guide

The IBM® @server xSeries 130 appliance server is a modular, single-use server with preinstalled operating system and application software. This appliance is designed to mount easily in a rack and is ready for use with minimal installation and setup procedures.

Note: For additional information, see the *IBM xSeries 130 Appliance Server User's Reference* and *IBM xSeries 130 Appliance Server Installation Guide*, which are included on the *IBM xSeries 130 Appliance Server Documentation CD*.

Use these instructions to:

- Install your appliance server in a rack
- Connect your appliance server to an existing network
- Connect the server to a workstation on your network to manage your appliance remotely

Note: You must have Microsoft® Internet Explorer 5.0 or later installed on the workstation.

Review the documentation that comes with your rack cabinet for safety and cabling information. When installing your server in a rack, consider the following:

- Ensure that the room air temperature is below 35°C (95°F)
- Do not block any air vents; typically 15 cm (6 in.) of space provides proper airflow
- Install your server in a rack with perforated doors
- Plan the device installation starting from the bottom of the rack
- Install the heaviest device in the bottom of the rack
- Remove the rack doors and side panels to provide easier access during installation
- Connect all power cords to properly wired and grounded electrical outlets
- Take precautions to prevent overloading the power outlets when you install multiple devices in a rack



Use safe practices when lifting.



≥18 kg (39.7 lbs)



≥32 kg (70.5 lbs)



≥55 kg (121.2 lbs)



Do not place any object weighing more than 50 kg (110 lbs) on top of rack-mounted devices.



>50 kg (110 lbs)

Components

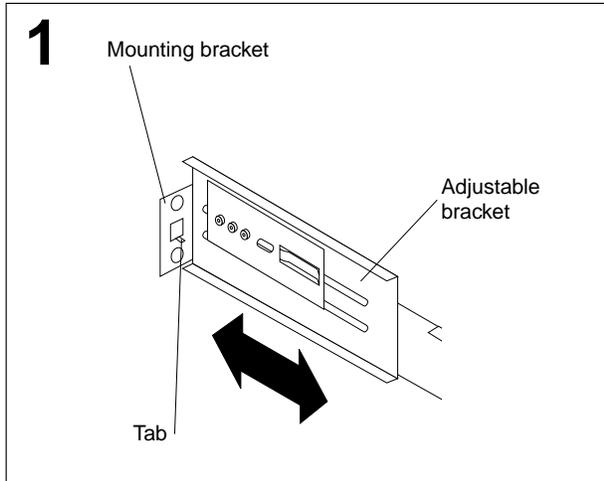
Make sure that your box contains the following items:

- IBM xSeries 130 appliance server
- *IBM xSeries 130 Quick Setup Guide*
- *IBM xSeries 130 Product Recovery CD*
- *IBM xSeries 130 System Supplementary CD*
- *IBM xSeries 130 Documentation CD*
- *IBM xSeries 130 Multiple Language User Interface CD*
- Rack-mounting kit
 - One set of rack rails
 - One bag of Phillips head screws
 - Cage nuts
- C2T device breakout cable
- Power cord
- Cable straps

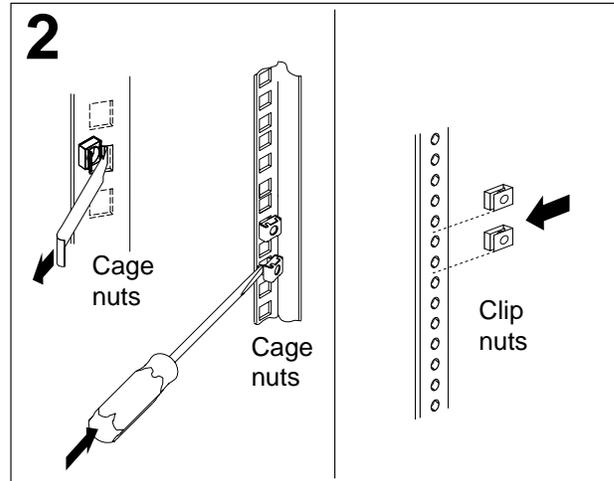
Installing your IBM xSeries 130 appliance server in the rack

You will need the following items to complete the server installation:

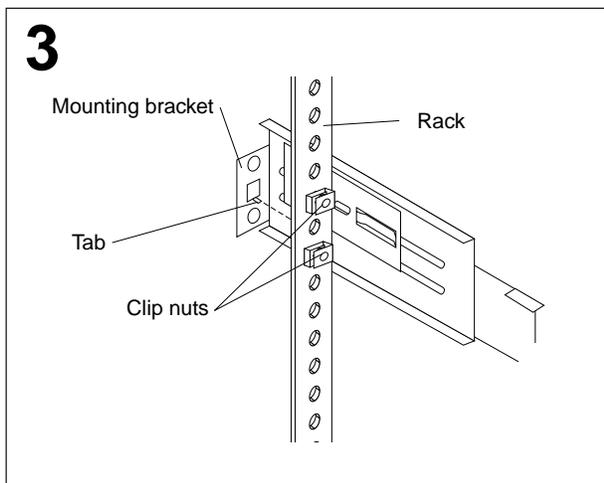
- Flat-blade screwdriver
- Phillips screwdriver
- Mounting brackets and hardware
- Cage nuts or clip nuts



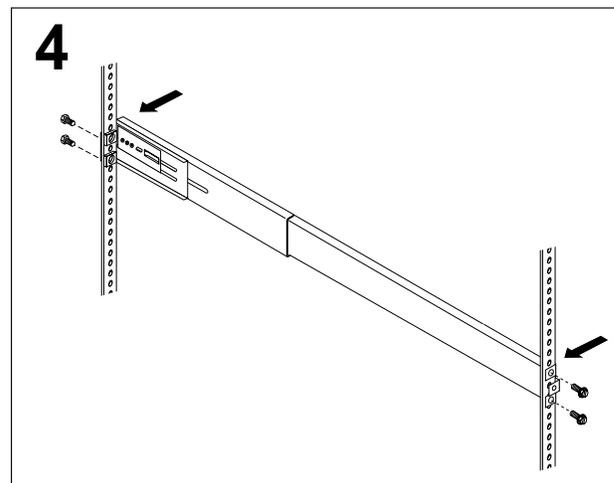
Adjust each rear mounting bracket (by loosening the screws) so that the inside distance between the two ends is equal to the outside dimension of the rack rails.



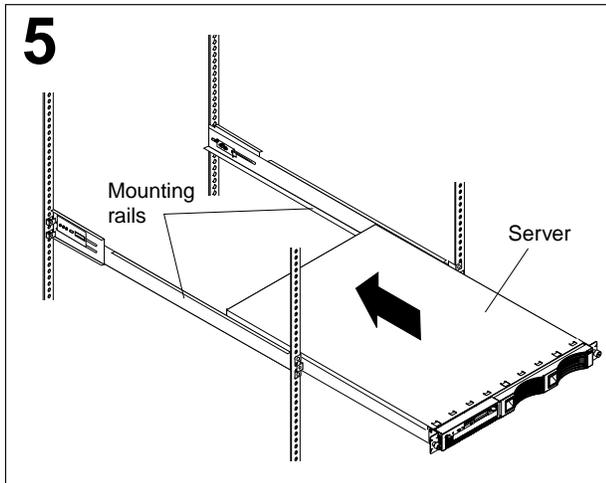
Select a 1 U size location in the rack. Install a cage nut or clip nut in the top and bottom position of the 1 U location that you selected (both sides, front and rear of the rack).



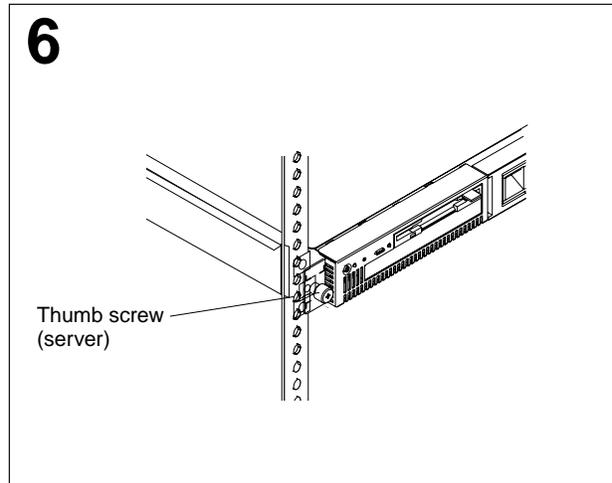
Insert the bracket tab through the center hole between the two clip nuts on the rear rail. (The right and left rails are labeled.)



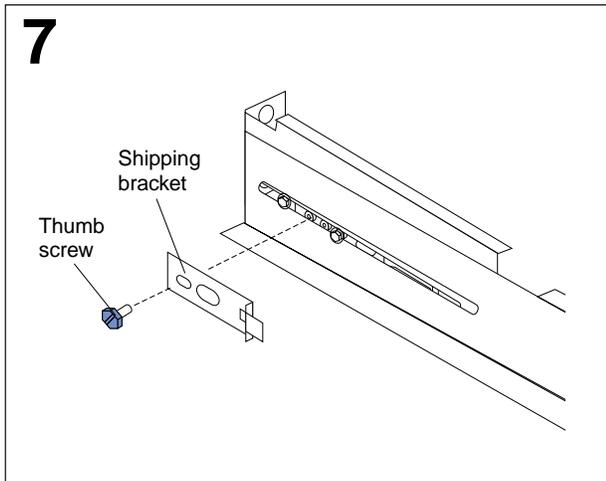
Loosely install two mounting screws through the back end of the bracket. Position the mounting bracket so that it lines up with the clip nuts. Install the remaining mounting screws, then tighten all the screws with a screwdriver. Repeat these steps for each mounting bracket.



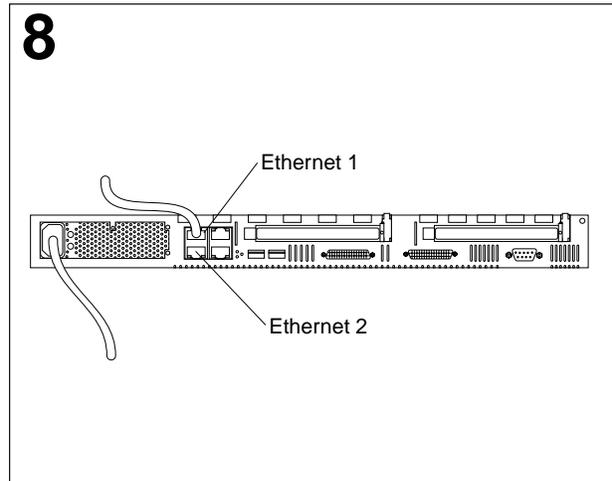
Place the server on the mounting brackets; then, slide it in as far as it will go.



Tighten the thumb screws on the front of the server to secure it to the rack.



If you want to ship your rack with the server installed, you must install the shipping brackets on each side of the server. To do this, insert the shipping bracket tab into the slot on the back of the server. Then, use the blue thumb screw to secure the back of the server and the shipping bracket to the mounting bracket.

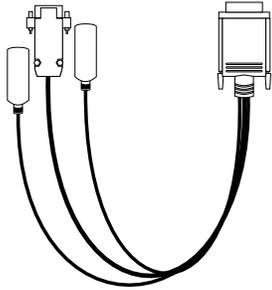


Connect the power cord; then, connect Ethernet cables to the management adapter as follows:

- Connect Ethernet port 1 on the appliance server to an active Ethernet port on your network. Make sure that this port is on the same subnet as the workstation you will use to remotely manage the appliance server.
- Connect Ethernet port 2 to an active Ethernet port on your network that is connected to the Internet.

Note: Ethernet port 1 is for managing the appliance server. Ethernet port 2 is for serving Internet content.

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You can manage your server remotely from another computer on the network or locally with a keyboard, monitor, and mouse or other pointing device connected to your server. If you manage your server locally, you must use the C2T device breakout cable. Connect the large connector on the C2T cable to the rear of your server; then, connect your keyboard, mouse, and monitor to the connectors on the other end of the C2T cable.

Note: The keyboard and mouse connectors on the C2T cable have keyboard and mouse icons to differentiate them from each other. The monitor connector is the dark blue connector.

10 Repeat step 1 through step 9 for each server that you install in the rack.

- For information about using your appliance server configuration program, see the *Installation Guide* on the *IBM xSeries Documentation CD*.
- For more information about input output (I/O) ports and cabling your server, see the *User's Reference* on the *IBM xSeries Documentation CD*.

Turning the server on and off

Turning on the server refers to the act of plugging the power cord of your server into the power source and starting the operating system. Turning off the server refers to the act of disconnecting the server from the power source.

To turn on the server:

1. Plug the power cord of your server into the power source.

Note: Plugging the power cord into a power source might cause the server to start automatically. This is an acceptable action.

2. Wait 30 seconds; then, press the power-control button on the front of the server.

To turn off the server :

1. Refer to your operating system documentation for the proper procedure to shut down the operating system.

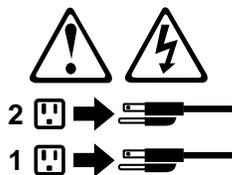
Note: Each operating system is different. Some allow an immediate shutdown; others require an orderly shutdown procedure.

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CAUTION:

The power control button on the device and the power switch on the power supply do not turn off the electrical current supplied to the device. The device also might have more than one power cord. To remove all electrical current from the device, ensure that all power cords are disconnected from the power source.



2. Press the power-control button on the front of the server.
3. Disconnect the server from the power source.

Note: After you turn off the server, wait at least 5 seconds before you turn on the server again.

Setting up your IBM xSeries 130 appliance server

Remote management of your IBM xSeries 130 appliance server using Universal Manageability Services (UMS) requires that the serial number of the server that you want to manage and a workstation that has Microsoft Internet Explorer 4.01 or later installed on the same subnet as the IBM xSeries 130 appliance server. You also can manage the IBM xSeries 130 appliance server using the IBM Advanced Appliance Configuration Utility, which is included on the *Supplementary CD*. The IBM Advanced Appliance Configuration Utility offers a quick and easy method for configuring and managing IBM appliances and for managing multi-appliance application programs. For additional appliance setup instructions, see the IBM xSeries 130 appliance server *Installation Guide* or *User's Reference*.

To set up your IBM xSeries 130 appliance server, do the following:

1. Turn on your IBM xSeries 130 appliance server and wait five to ten minutes.
2. From your workstation, open Internet Explorer and connect to `http://ibm-xxxxxxx:1411`, where "xxxxxxx" is the serial number of your IBM xSeries 130 appliance server. A user login window appears.
3. Type administrator in the **User Name** field and password in the **Password** field. You can leave the **Domain** field blank.
4. Make sure that the **Save this password in the password list** check box is cleared; then click **OK**. The **UMS Management** window appears.
5. Click the **Terminal Services** tab.
6. In the **Terminal Services** window, type `ibm-xxxxxxx` in the **Server** field and press Enter. Terminal Services opens and prompts you to log in.
7. Type administrator in the **User name** field.
8. Type password in the **Password** field.
9. Leave the **Domain** field blank. Make sure that the **Save this password in your password list** check box is cleared; then click **OK**.

Notes:

- a. The first time you connect to the appliance server, you might be prompted to install XML and Swing components. If you are, follow the on-screen instructions to install these components; then, close and restart Internet Explorer before you proceed.
 - b. The IBM xSeries 130 appliance server is configured for Dynamic Host Configuration Protocol (DHCP) by default. Therefore, if you have a DHCP server configured in your network, the initial Internet protocol (IP) information for the appliance is provided by that server. If your network is not running DHCP, the default IP address on the appliance is `169.254.x.x` (where "x" is a random number from 1 to 254), subnet mask `255.255.0.0`.
10. Refer to the *IBM xSeries 130 Installation Guide* for more information about configuring and operating your appliance server.



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