

Rack installation instructions

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

- Two or more people are required to install the device in a rack cabinet.
- Ensure that the room air temperature is below 35°C (95°F).
- Do not block any air vents; usually 15 cm (6 in.) of space provides proper airflow.
- Do not leave open spaces above or below an installed server in your rack cabinet. To help prevent damage to server components, always install a blank filler panel to cover the open space and to help ensure proper air circulation.
- Install your server only in a rack cabinet with perforated doors.
- Plan the device installation starting from the bottom of the rack cabinet.
- Install the heaviest device in the bottom of the rack cabinet.
- Do not extend more than one device out of the rack cabinet at the same time.
- Remove the rack doors and side panels to provide easier access during installation.
- Connect the server to a properly grounded outlet.
- · Do not overload the power outlet when installing multiple devices in the rack cabinet.
- Install your server in a rack that meets the following requirements:
 - Minimum depth of 70 mm (2.76 in.) between the front mounting flange and inside of the front door.
 - Minimum depth of 157 mm (6.18 in.) between the rear mounting flange and inside of the rear door.
 - Minimum depth of 718 mm (28.27 in.) and maximum depth of 762 mm (30 in.) between the front and rear mounting flanges to support the use of the cable-management arm.



Use safe practices when lifting.



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

Note: Cage nuts and clip nuts are not required to install your server in a rack cabinet. Use 5.5 mm flat-head screws to install the slide rails in a taped-hole rack, if necessary.

>50 kg (110 lb)

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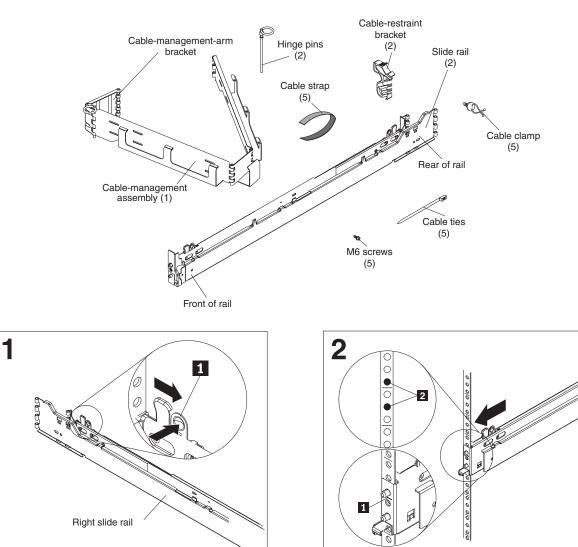
≥55 kg (121.2 lb)

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≳18 kg (39.7 lb)



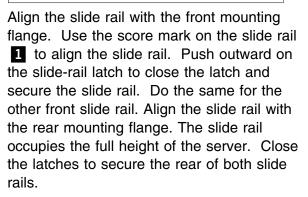
The following illustration shows the items that you need to install the server in your rack cabinet. If any items are missing or damaged, contact your place of purchase.



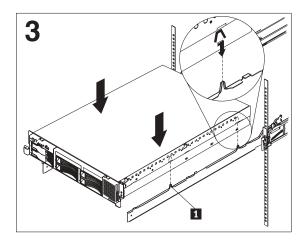
Note: Some items come with the server, not in the rack installation kit.

Push outward on the slide-rail latch **1**; then, pull the latch back to open the slide rail. The latch will catch to stay open. Open the other end of the slide rail; then, do the same for the other slide rail.

Note: If you are installing the server in the top of the rack or directly under another server or device, remove the cable-management-arm bracket from the cable-management assembly and install the cable-management-arm bracket on the slide rail. Go to step 6 to install the cable-management-arm bracket; then, continue with step 2.

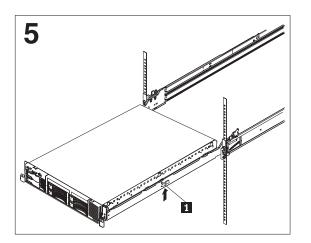


Note: Make sure that the slide rails are securely seated on the mounting flanges.When secure, the slide-rail pins 2 protrude from the slide rails.

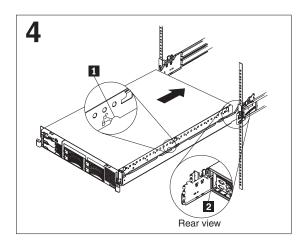


Extend the slide rails fully from the rack until the slide rails lock. Align the tabs on the slide rails **1** with the matching inserts on the server and lower the server on the slide rails.

Note: Make sure that each slide-rail tab is inserted in the matching insert on the server and that the server is resting on the top edge of the slide rail.

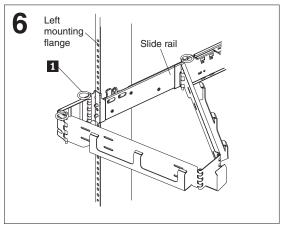


Lift the locking levers **1** on the slide rails and slide the server into the rack until it extends approximately 4 inches.



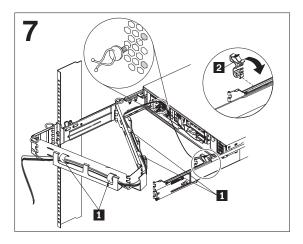
Carefully slide the server along the slide rails approximately one inch toward the rack to lock the server on the slide rails.

Note: When locked in position, an indicator
is visible on each side of the server.
Make sure that the server is securely attached to the slide rail hooks
To remove the server from the rack, lift up on the indicator and slide the server forward.



Attach the cable-management assembly to the rear of the slide rail using a hinge pin 1. Attach the free end of the cable-management assembly to the slide rail using a hinge pin.

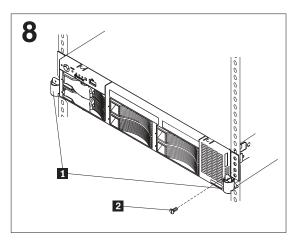
Note: If you installed the cable-management-arm bracket in step 1, complete the installation of the cable-management assembly.



Attach the power cords and other cables to the rear of the server (including keyboard, monitor, and mouse, if required). Attach the power cords to the cable-restraint bracket **2**. Secure the cable-restraint bracket to the slide rail.

Note: Allow slack in all cables to avoid tension in the cables.

Use cable clamps to secure the cables across the rear of the server. Route the cables along the cable-management arm channel, securing them with cable straps **1**.



Slide the server into the rack cabinet until the release latches **1** lock into place. To slide the server out of the rack, press on the release latches.

Note: Insert the optional M6 screws 2 in the front and rear of the server when moving the rack cabinet, or if you install the rack cabinet in a vibration-prone area.

To remove the server from the rack, reverse these instructions. You might find it easier to disassemble the cable-management arm before you remove the server from the rack. Store this information with your server documentation for future use.