



Rack Installation Instructions

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

- Ensure the room air temperature is below 35°C (95°F).
- Install the server only in a rack cabinet that has perforated doors.
- Do not block any air vents, usually 15 cm (6 in.) of air space provides proper airflow.
- 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 leave open space above or below an installed server in your rack cabinet. To help prevent damage to server components, always install a filler panel to cover the open space and to help ensure proper air circulation.
- Do not extend more than one device out of the rack cabinet at the same time.
- Connect all power cords to properly wired and grounded electrical outlets.
- Do not overload the power outlet when installing multiple devices in the rack.
- Remove the rack doors and side panels to provide easier access during installation.
- The slide rails in this kit come preset to the correct length for installation in an Lenovo rack cabinet and they are adjustable for other rack cabinets.
- The slide rails are marked (R and L) for proper placement on the rack-cabinet flanges.



Use safe practices when lifting.



≥18 kg (39.7 lb)



≥32 kg (70.5 lb)



≥55 kg (121.2 lb)



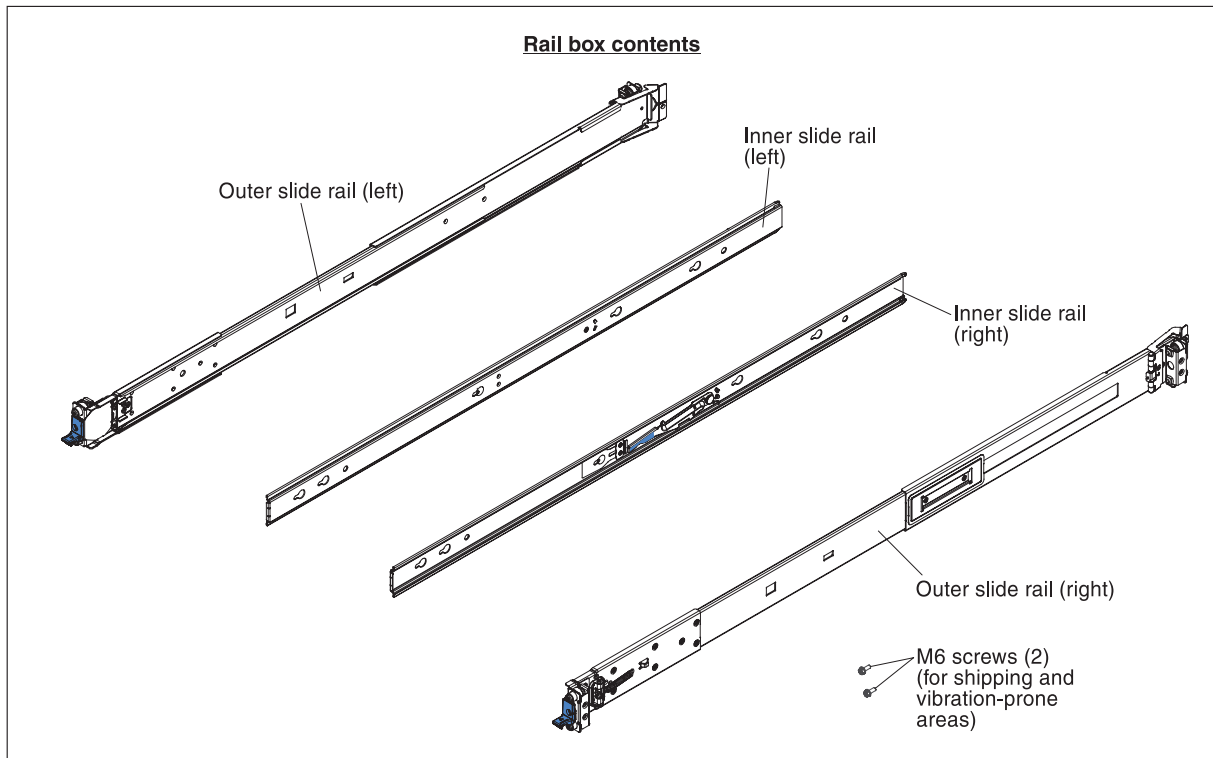
Do not place any object on top of rack-mounted devices.

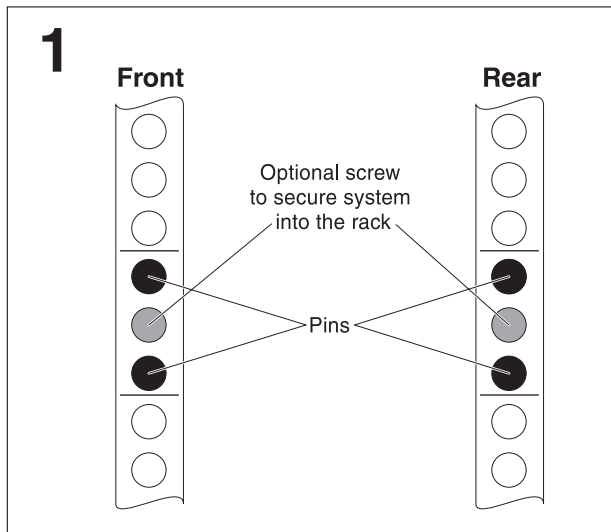


Note:

- The slide-rail assemblies in the rail box for the rack installation support round unthreaded holes and square rack holes server racks only.
- The round unthreaded holes server rack is used for the illustrations in this guide.
- The illustrations in this document might differ slightly from your hardware.

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

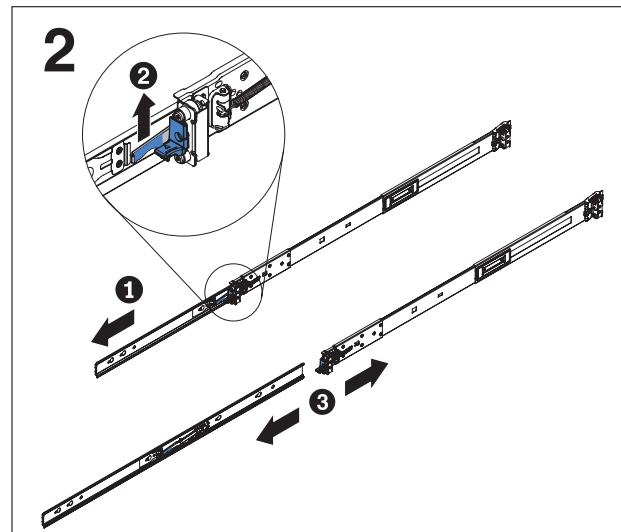




Identify rack space for system.

Select an available space (depending on the server you are installing) in your rack to install your server.

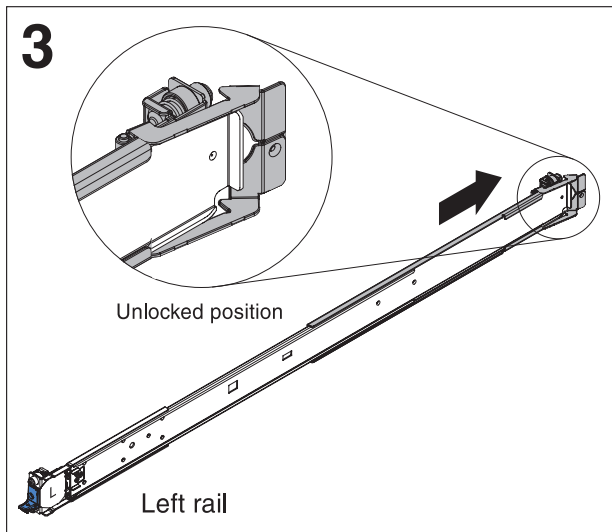
Each slide rail is marked with **R** (right) or **L** (left).



Disassemble the slide-rail assembly.

Release the spring-activated safety latch to pull out or separate the inner slide rail from the slide-rail assembly.

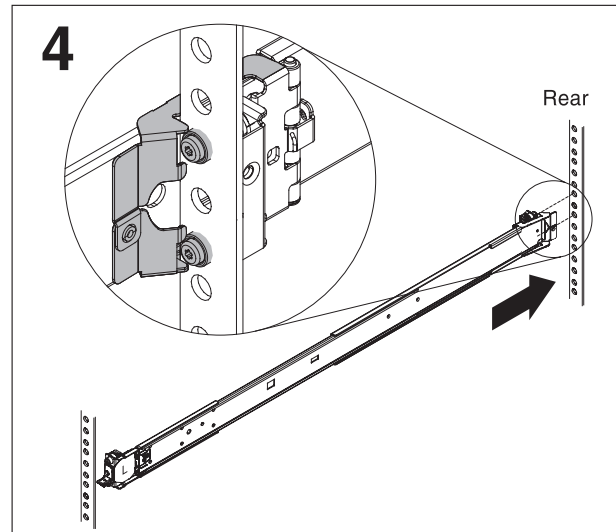
Repeat the step for the other slide-rail assembly.



Make sure the rear rackmount bracket is unlocked.

Slide the slider control on the outer slide rail to the rear until you hear an audible click.

The rear rackmount bracket is now in an unlocked position.

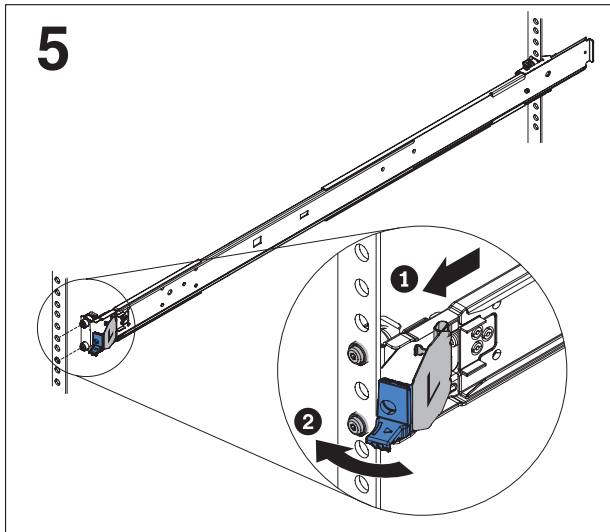


Attach the rear rackmount bracket to the rear of the rack.

Align the rear end of the outer slide rail against the holes on the rear of the rack.

Line up the pins and push the rail in so that the pins go into the holes. The two rail pins will protrude through the top and bottom holes on the EIA unit.

Slide the rail towards the rear of the rack until the rear rackmount bracket locks into place.



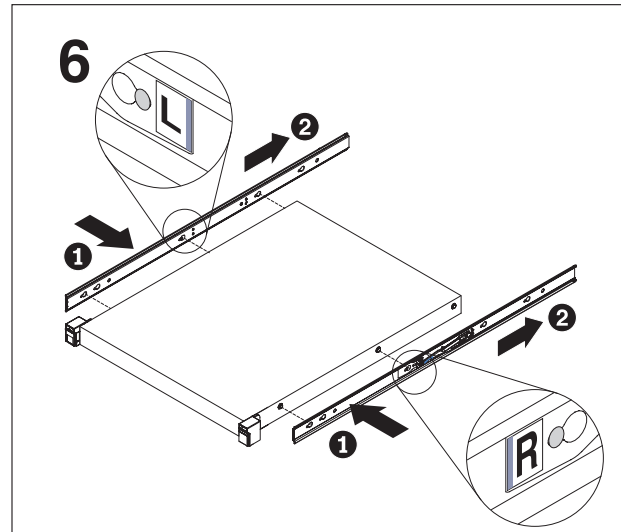
Attach the front rackmount bracket to the front of the rack.

Open the latch on the front rackmount bracket and align the front end of the outer slide rail against the holes on the front of the rack.

Line up the pins and push the rail in so that the pins go into the holes.

Lock in the rail with the front latch to secure the position of the rail on the rack.

Repeat step **3**, **4**, and step **5** for the other outer slide rail.

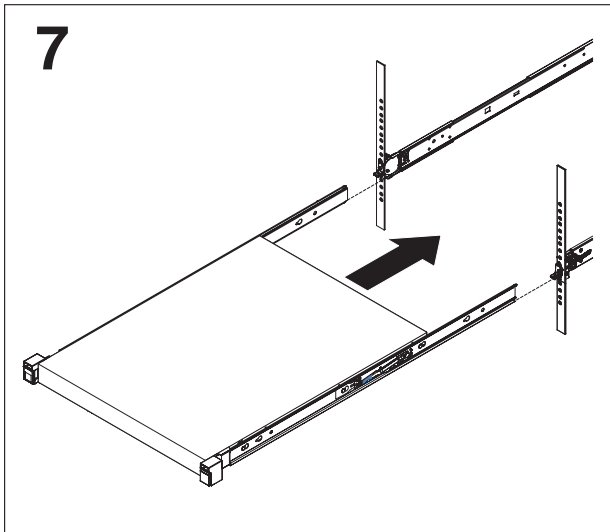


Attach the inner slide rails to the server.

Position the inner slide rail's keyholes over the server to align with the locating pins on the side of the server.

Push the inner slide rail towards the rear of the server until the locating pins on the server lock into place with the inner slide rail.

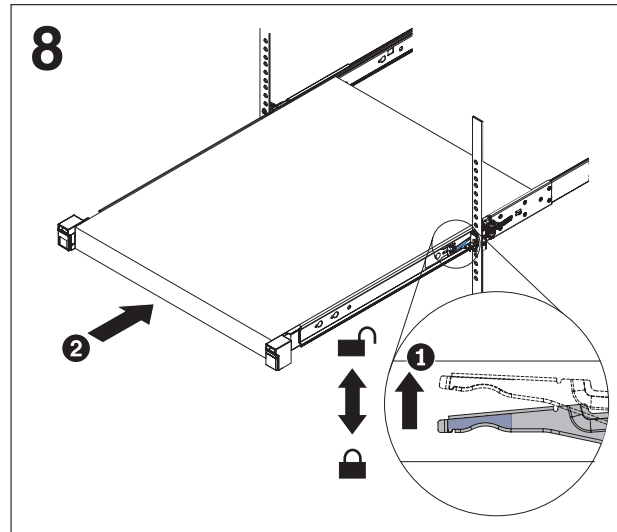
Repeat the step for the other inner slide rail.



Install the server on the slide rails.

Carefully lift the server and align the server over the slide rails.

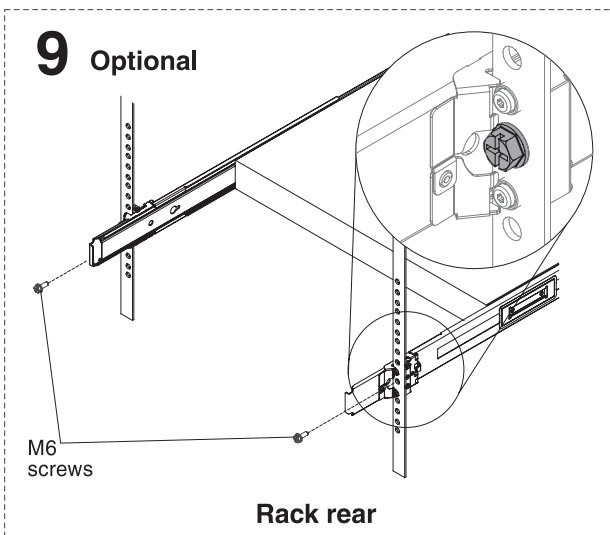
Make sure the server sits on the rails securely and push the server into the rack cabinet.



Slide the server into the rack.

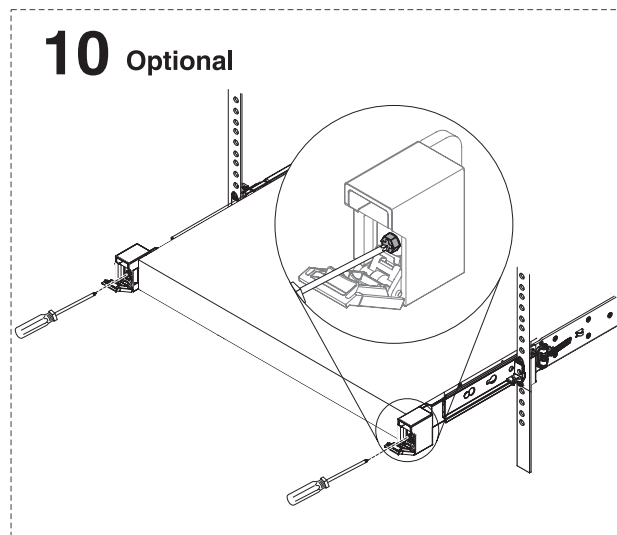
Release the spring-activated safety latch and push the server all the way into the rack cabinet until the server locks into place with an audible click.

Note: Pull down the handle on each of the EIA brackets to assist with the server installation and removal's sliding movement on the slide rails.



Secure the server on the rack for shipping if needed.

If you are shipping the rack with the system installed or if you are in a vibration-prone area, install the M6 screws to the rear of the rack cabinet.



Install the screw in the EIA brackets if needed.

When you move the rack cabinet, or if you install the rack cabinet in a vibration-prone area, tighten the screw in each of the EIA brackets.

To remove the server from the rack, reverse these instructions. Store this information with your server documentation for future use.

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