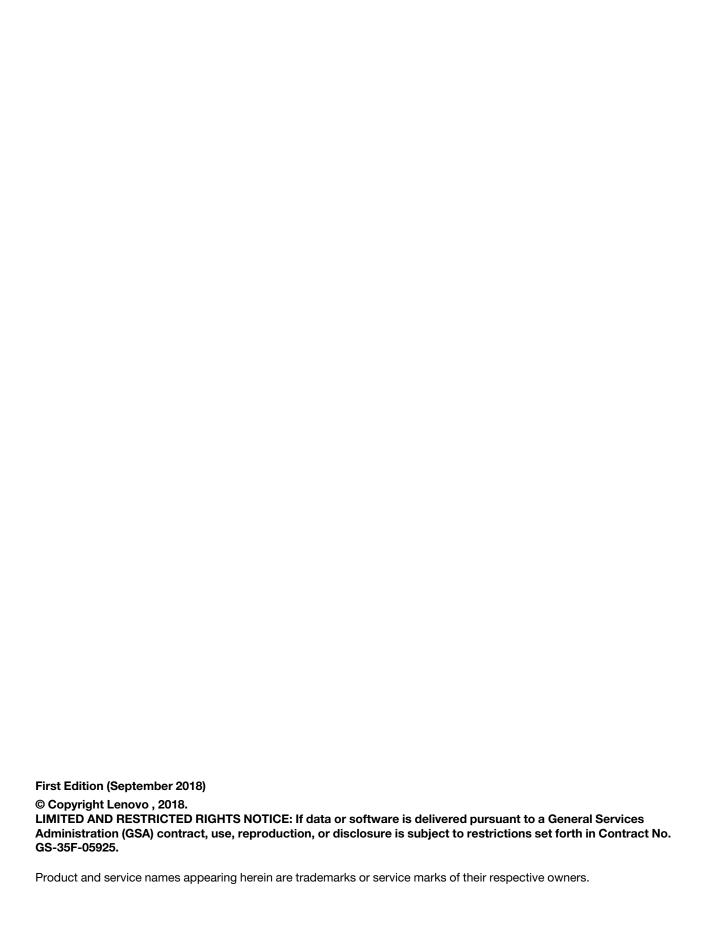
# Rack Installation Guide



# Chapter 1. Slide kit and shipping bracket kit

In addition to the server, the following boxes are provided to you: slide kit box and shipping bracket kit box.

#### Slide kit parts inventory

A slide box kit contains the hardware that is needed to install the server in a rack cabinet. The slide box kit includes the following parts:

- · One right slide
- · One left slide
- Two M5 screws
- Two washers
- This document

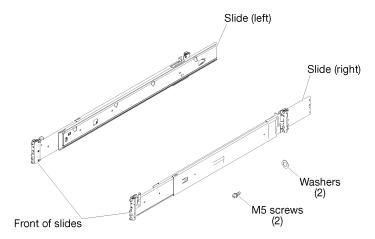


Figure 1. Slide box contents

#### Shipping bracket kit parts inventory

A shipping bracket kit box contains the hardware that is required to secure the server in a rack if you intend to ship the server and rack together. The shipping bracket kit box includes the following parts:

- · Shipping bracket
- · Cable opening cover
- Four black M3.5 x 5.5 screws to secure the cable opening cover to the shipping bracket
- Four silver M5 x 22 screws to secure the server to the rack.

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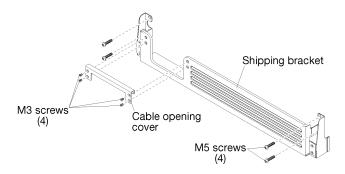


Figure 2. Shipping bracket box contents

# Chapter 2. Installing the server in a rack

To install the server securely in a rack cabinet, install the slide rails into the rack, install the server on the slide rails, and slide the server into the rack.

### Install slide rails into the rack

Use this information to install slide rails into the rack.

**Note:** The slide rails are extensible as shown in the following illustration.

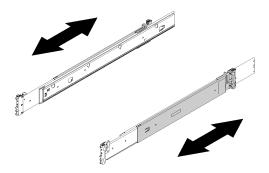


Figure 3. Slide rails

To install slide rails into the rack, complete the following steps.

- 1 Select the first slide rail to be installed.
- 2 Make sure that the slide rail is shortened to the shortest position.
- **3** From the front of the rack cabinet, line up the pins on the rear of the slide rail with the EIA flange holes at the rear of the rack.
- Push the slide rail so that the pins and the latch go into place.

**Note:** The holes on the rack will either be square-shaped or round-shaped.

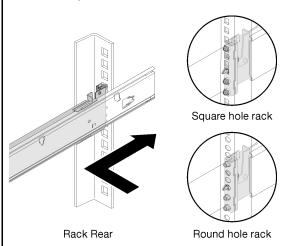


Figure 4. Installing the left slide into the rear EIA flange

Pull the slide forward and insert the pins and the latch into the EIA flange holes at the front of the rack until you hear a click.

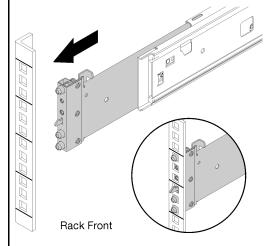


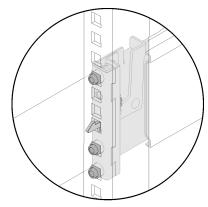
Figure 5. Installing the left slide into the front EIA flange

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■ Repeat steps 2 to 5 to install the other slide rail. Make sure that each slide rail is securely engaged in the flange by inspecting that the hook has caught and by sliding back and forward to ensure the slide does not pop out.

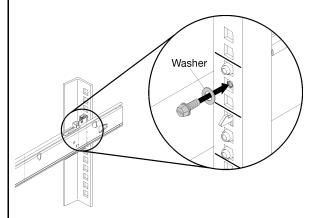
**Notes:** Make sure that the pins on the rail are secured within the rack.

• In a square hole rack, the pin and collar on the slide extend through the EIA flange holes.



Square hole rack

 In a round hold rack, only the pin extends through the EIA flange holes. ↑ Optionally, install the two M5 screws and washers through the EIA flange holes at the rear of the rack if you need to secure the server for shipping.



Rack Rear

Figure 6. Installing screws

## Install the server onto the slide rails

To install the server onto the slide rails, extend the slide rails, carefully lower the server onto the slide rails, and then slide the server back into the rack.

To install the server onto the rails, complete the following steps.

#### **S036**



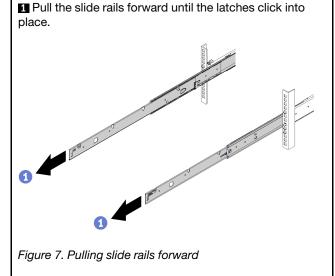
18 - 32 kg (39 - 70 lb)



32 - 55 kg (70 - 121 lb)

#### **CAUTION:**

Use safe practices when lifting.



Remove the hot-swap power supplies from the rear of the server to ensure that you have sufficient clearance to install the server onto the slides.

- 2 Press the release tab toward the handle.
- 3 Carefully pull the handle at the same time to slide the hot-swap power supply out of the chassis

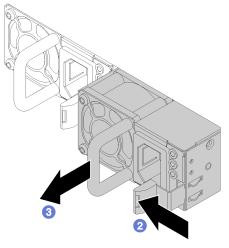
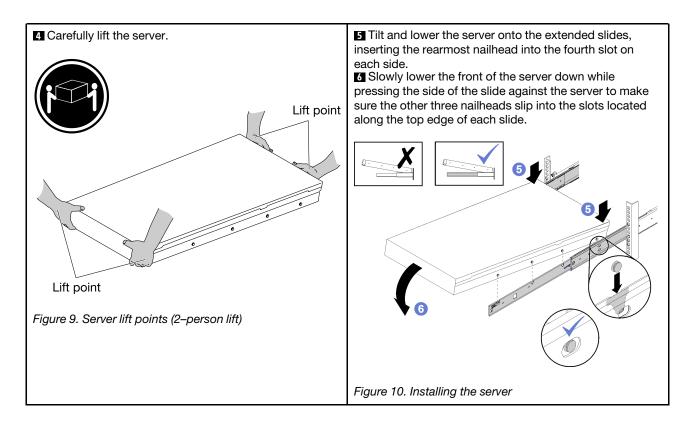


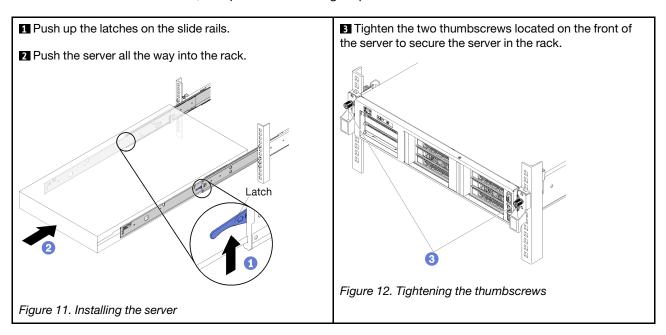
Figure 8. Removing hot-swap power supplies



### Slide the server into the rack

Lift both latches to slide the server into the rack. Then, tighten the front thumbscrews to secure the server, install the shipping bracket (optional), and reinstall the power supplies.

To slide the server into the rack, complete the following steps:



Optionally, install the shipping bracket on the front of the server.

4 Optionally remove the top of the cable opening on the shipping bracket if the server is already cabled.

Note: The top of the cable opening on the shipping bracket can be removed to accommodate the installation of the shipping bracket on a server that has cables installed in the I/O expansion cage.

- 5 Align the cutouts on each side of the shipping bracket with the thumbscrews on the front of the server.
- 6 Slide the shipping bracket on to the front of the server, securing it with the four silver M5 x 22 mm screws.
- 1 If you removed the top of the cable opening, reinstall it, securing it with the four black M3 x 5 mm counter-sink screws

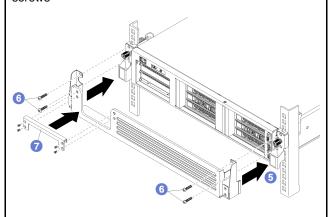


Figure 13. Installing the shipping bracket

Install the hot-swap power supplies into the power supply bays at the rear of the server.

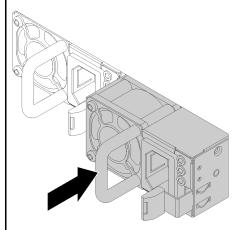


Figure 14. Installing the hot-swap power supplies

# Chapter 3. Removing the server from the rack

To remove a server from the rack, remove the server from the slide rails, and then remove the slide rails from the rack.

### Remove the server from the slide rails

Use this information to remove the server from the slide rails.

To remove the server from the rack, complete the following steps.

Disconnect all cables from the front and rear of the server.

- Remove the hot-swap power supplies from the rear of the server to ensure that you have sufficient clearance to remove the server from the slides.
  - 2 Press the release tab toward the handle.
  - Carefully pull the handle at the same time to slide the hot-swap power supply out of the chassis.

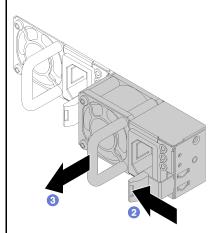


Figure 15. Removing hot-swap power supplies

■ If the shipping bracket is installed on the front of the server, remove it. Remove the screws that secure the shipping bracket to the server and pull the bracket away from the server.

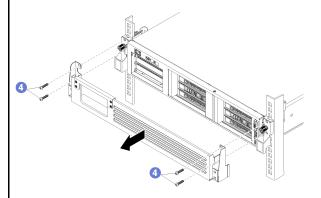
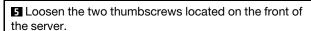


Figure 16. Removing the shipping bracket



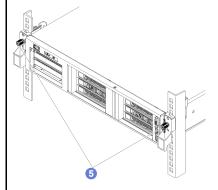


Figure 17. Loosening front thumbscrews

**6** Pull the server forward until the slide rails click into place.

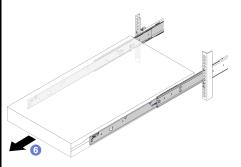


Figure 18. Pulling the server forward

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- **T** Press the release latches inward to release the front nailhead from each slide.
- **8** Rotate the front of the server up slightly to clear the front three nailheads from the slots.
- **1** Lift the server up from the slides and place the server on a sturdy surface.

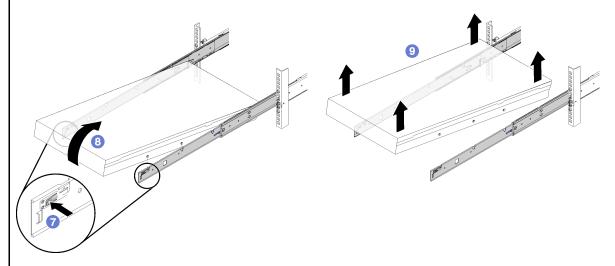


Figure 19. Removing the server

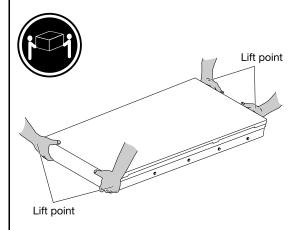


Figure 20. Server lift points

# Remove the slide rails from the rack

Use this information to remove the slide rails from the rack.

To remove the slide rails from the rack, complete the following steps.

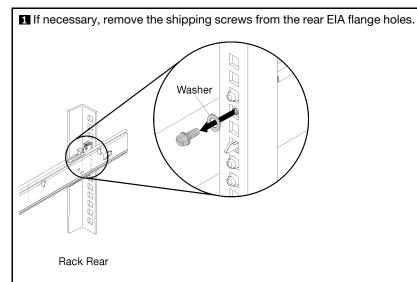


Figure 21. Removing the shipping screws

- 2 Pull the release forward toward the EIA flange to release the hook.
- Push the rail away from the EIA flange to disengage the pins from the EIA flange holes at the front of the rack.

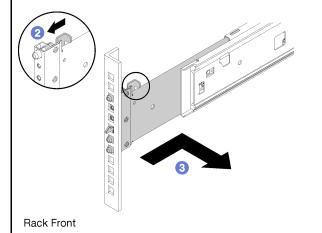


Figure 22. Removing the left slide front

- 4 From the rear of the server, pull the release forward toward the EIA flange to release the hook.
- **5** Push the rail away from the EIA flange to disengage the pins from the EIA flange holes at the rear of the rack.

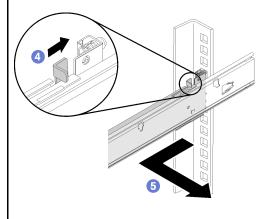


Figure 23. Removing the left side rear

Rack Rear

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