⚠ DANGER

● Operate with caution when installing or removing the server to reduce the risk of personal injury caused by the cabinet, chassis or rails.

● Beware of electric shock when installing the server into or removing the server from the cabinet in use.

⚠ CAUTION

● Servers can only be deployed in dedicated cabinets with vents or specialized liquid-cooled cabinets to avoid system failures due to overheating.

● Do not overload the cabinet beyond its load-bearing, power supply and heat dissipation capacities.

● Always load equipment into a cabinet from the bottom up, and load the heaviest items first.

● It is recommended that servers be deployed at 1U space intervals to reduce server noise and energy consumption.

● Leave a minimum clearance of 150 mm (5.9 in.) at the front and rear of the server to ensure proper ventilation.

● Always wear anti-static gloves or an anti-static wrist strap during operation.

● Remove the protective film from the chassis.

● Do not block the vents on the server.

● Always install blanks into empty bays to ensure proper air flow and avoid air turbulence in the server room.

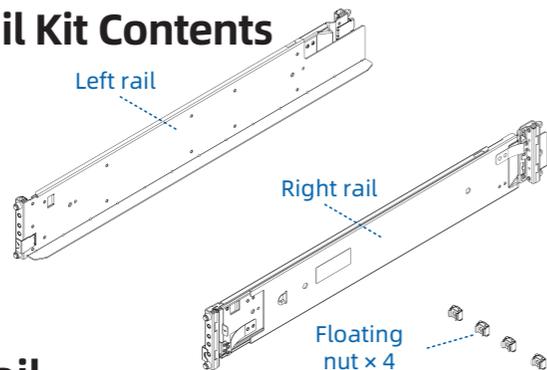|		
15kg	👫	For equipment ≥15 kg (33.07 lbs), use at least 2 people.
30kg	👪	For equipment ≥30 kg (66.14 lbs), use at least 3 people.
50kg	👨‍👩‍👧‍👦	For equipment ≥50 kg (110.23 lbs), use at least 4 people.

Rack Server Installation Guide
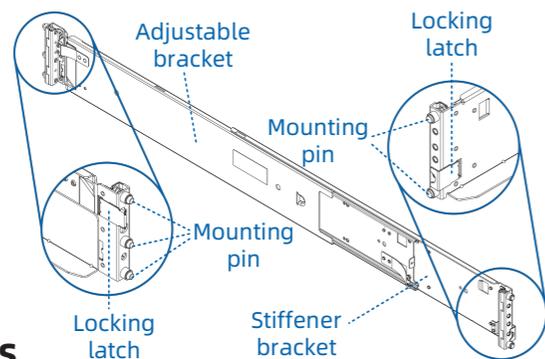
V1.0

Please keep this document for future reference.

Rail1:

Identifying the Rail Kit Contents

The rail kit includes the left rail, right rail and 4 floating nuts.

Left rail

Right rail

Floating nut × 4

Identifying the Rail

The rail consists of the front bracket (mounting pins + locking latch), rear bracket (mounting pins + locking latch), adjustable bracket and stiffener bracket.
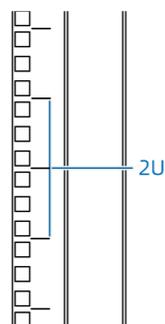
Adjustable bracket

Locking latch

Mounting pin

Mounting pin

Locking latch

Stiffener bracket
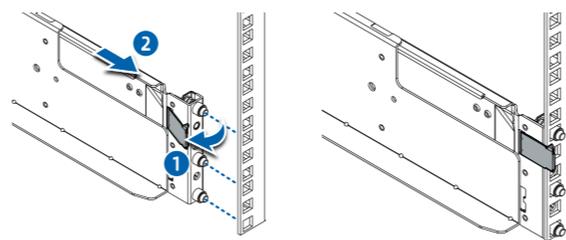
Installing the Rails

⚠️ **CAUTION**

- Note the marks on the rails to ensure that the left and right rails are installed correctly.
- Install the front and rear brackets at the same height.
- Install the left and right rails at the same height.
- The installation procedures for square-hole racks and round-hole racks are essentially the same. This manual demonstrates with square-hole racks.
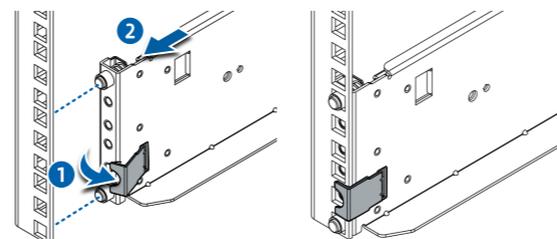
1 Determine the mounting holes on the mounting flanges for the rails. Do install the rails in U spaces.

2U

2 Rotate the locking latch on the rear bracket of the left rail. Insert the mounting pins until the pins are engaged with the mounting holes. Release the locking latch to secure the rear bracket to the mounting flange.
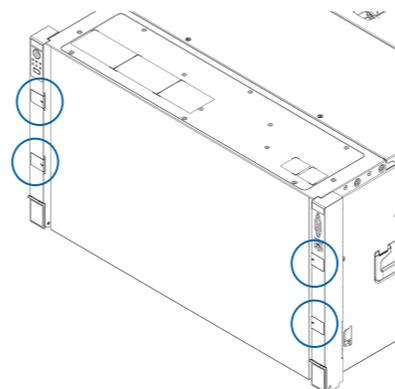
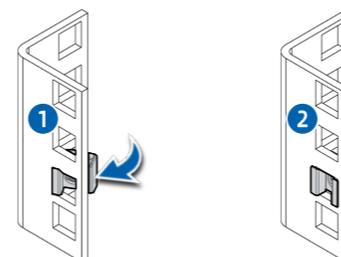*3* Follow step 2 to install the front bracket of the left rail.

4 Repeat steps 2 and 3 to install the right rail.

5 Install the floating nuts.
   a. Determine the mounting holes for the 4 floating nuts based on the positions of the 4 captive screws on the mounting ears.
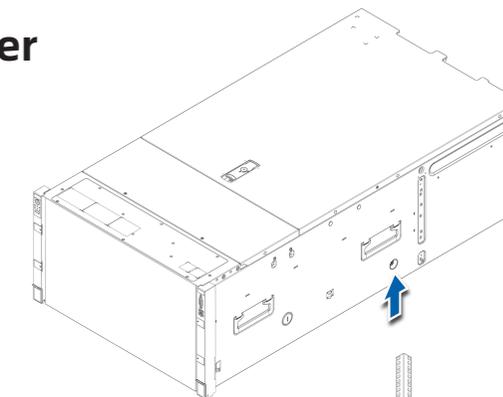
   b. Insert one side of the floating nut into the mounting hole, and press the other side until the floating nut is fully seated into the mounting hole.

   c. Repeat step b to install the other 3 floating nuts. Do install the corresponding floating nuts on both sides at the same height.
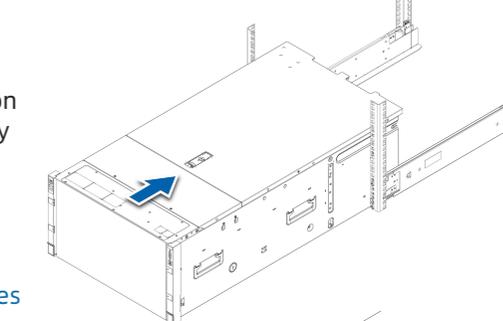
Installing the Server

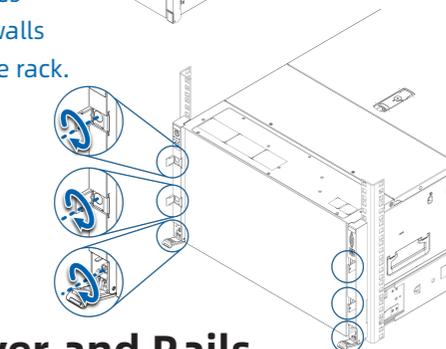*1* Remove the shipping screws on both sides of the chassis if any.

2 Lift up the server, put its rear on the rails and slide it all the way into the rack.

⚠️ **CAUTION**

Make sure that the lifting handles are flush with the chassis side walls before sliding the server into the rack.

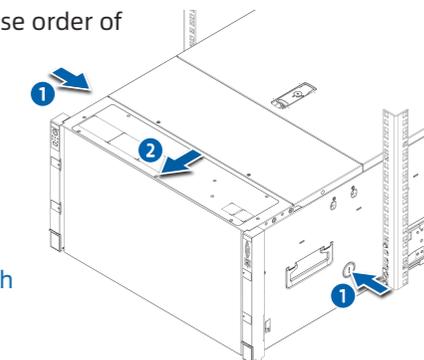*3* Tighten the 6 captive screws on the mounting ears.

Removing the Server and Rails

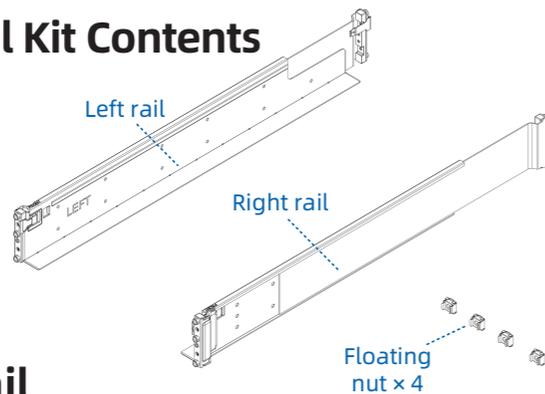Remove the server and rails in reverse order of their installation.

⚠️ **CAUTION**

- Disconnect all cables from the server before removing it.
- To fully extend the server out of the rack, press the round buttons on both sides of the chassis simultaneously to release the server from the rails.
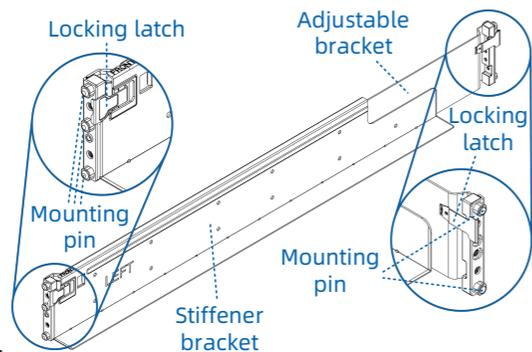
Rail2:

Identifying the Rail Kit Contents

The rail kit includes the left rail, right rail and 4 floating nuts.

Left rail

Right rail

Floating nut × 4

Identifying the Rail

The rail consists of the front bracket (mounting pins + locking latch), rear bracket (mounting pins + locking latch), adjustable bracket and stiffener bracket.
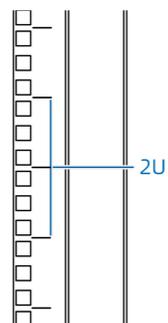
Locking latch

Adjustable bracket

Locking latch

Mounting pin

Mounting pin

Stiffener bracket
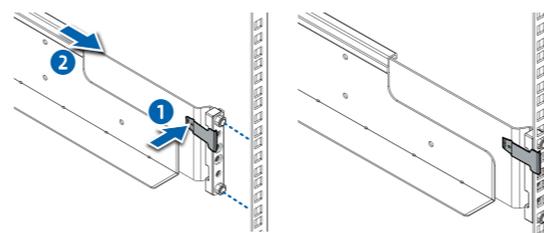
Installing the Rails

⚠️ **CAUTION**

- Note the marks on the rails to ensure that the left and right rails are installed correctly.
- Install the front and rear brackets at the same height.
- Install the left and right rails at the same height.
- The installation procedures for square-hole racks and round-hole racks are essentially the same. This manual demonstrates with square-hole racks.
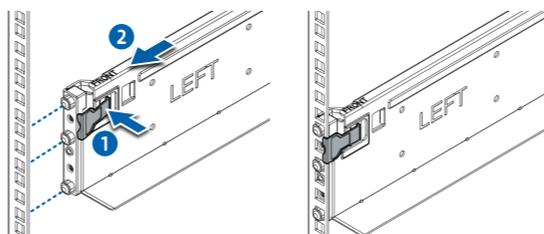
1 Determine the mounting holes on the mounting flanges for the rails. Do install the rails in U spaces.

2U

2 Press the locking latch on the rear bracket of the left rail. Insert the mounting pins until the pins are engaged with the mounting holes. Release the locking latch to secure the rear bracket to the mounting flange.
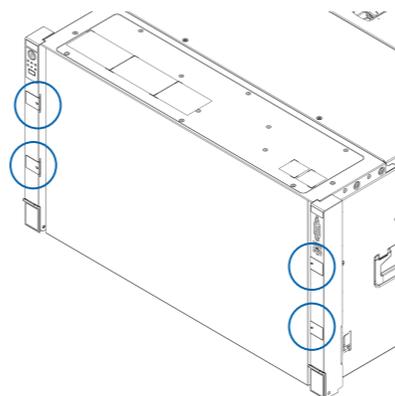
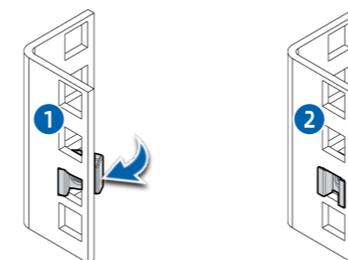*3* Follow step 2 to install the front bracket of the left rail.

4 Repeat steps 2 and 3 to install the right rail.

5 Install the floating nuts.
   a. Determine the mounting holes for the 4 floating nuts based on the positions of the 4 captive screws on the mounting ears.
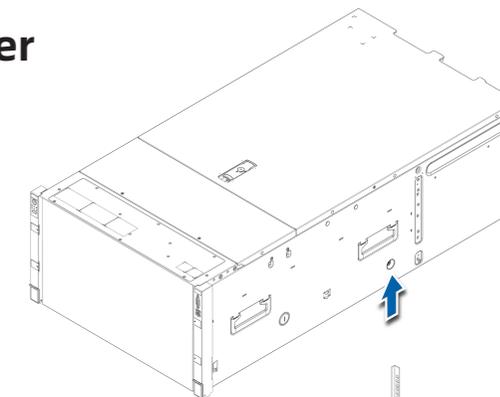
   b. Insert one side of the floating nut into the mounting hole, and press the other side until the floating nut is fully seated into the mounting hole.
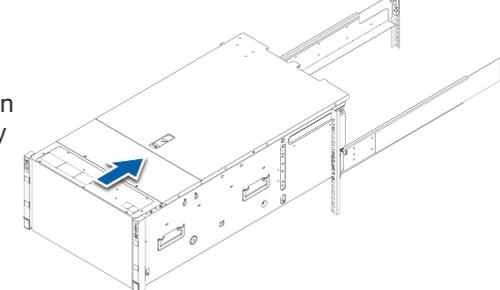
   c. Repeat step b to install the other 3 floating nuts. Do install the corresponding floating nuts on both sides at the same height.

Installing the Server

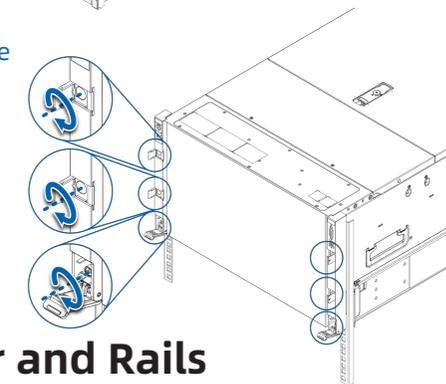*1* Remove the shipping screws on both sides of the chassis if any.

2 Lift up the server, put its rear on the rails and slide it all the way into the rack.

⚠️ **CAUTION**

Make sure that the lifting handles are flush with the chassis side walls before sliding the server into the rack.

3 Tighten the 6 captive screws on the mounting ears.

Removing the Server and Rails

Remove the server and rails in reverse order of their installation.

⚠️ **CAUTION**

- Disconnect all cables from the server before removing it.
- To fully extend the server out of the rack, press the round buttons on both sides of the chassis simultaneously to release the server from the rails.