

# HP Rack Rail Kit installation instructions

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[www.hp.com](http://www.hp.com)



## Overview

This document contains instructions for installing HP rack rails into square and round hole racks for HP 1U and 2U servers.

### NOTE:

For more information on preparing the server for installation, see the user guide that ships with the server.

## Kit contents

- Two rack rails (left and right)
- Mounting hardware for square and round hole racks
- Two tie wraps

### NOTE:

If mounting the server into threaded hole or telco racks, please see [www.racksolutions.com](http://www.racksolutions.com) to purchase mounting hardware.

## Important safety information

See the *Important Safety Information* document included with the server.

### CAUTION:

Electrostatic discharge (ESD) can damage electronic components. Be sure you are properly grounded (earthed) before beginning any installation procedure.

## Installation guidelines

This installation is to be performed by qualified individuals who have knowledge of the procedures, precautions, and hazards associated with equipment containing hazardous electrical circuits.

### WARNING!

These rails, when installed, form only a shelf for the server to rest on. The server is not attached to the rail by any other means. Use extreme caution when pulling the server out from the rack; it can slip and fall, causing damage to the server or injury. HP is not responsible for any damage or injury caused by the mishandling of the server.

**⚠ WARNING!**

Ensure that the rack is level and stable before working on the rack. Be sure the leveling jacks (feet) extend to the floor and that the full weight of the rack rests firmly on the floor.

**⚠ WARNING!**

Ensure that the rack has anti-tip measures in place. Such measures may include floor-bolting, anti-tip feet, ballast, or a combination of these as specified by the rack manufacturer and applicable codes.

**⚠ WARNING!**

Ensure that sufficient personnel are on hand to support the product(s) during the installation process. Use of the appropriate lifting device is recommended as an installation aid.

**⚠ WARNING!**

Always load the rack from the bottom up. Load the heaviest items in the rack first. This makes the rack bottom-heavy and helps prevent it from becoming unstable.

**⚠ WARNING!**

Do not overload the branch circuit that provides power to the rack. The total rack load should not exceed 80 percent of the branch circuit rating.

## Mounting the server

1. Position left and right rack rails at the desired 'U' position in the rack (step 1 in Figure 1).

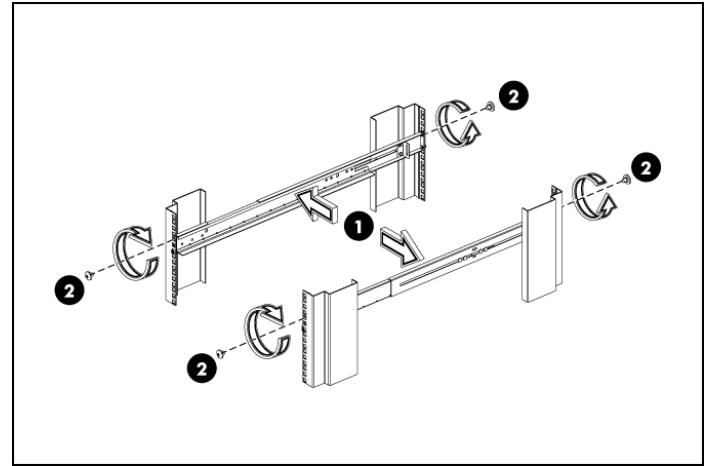
**📝 NOTE:**

The rails can be adjusted to fit the rack.

2. Secure rack rails to the front and back rack columns using screws. Make sure that the shoulders of the screws fit inside the square or round holes of the rack (step 2 in Figure 1).

**📝 NOTE:**

If installing rails into a square hole rack, use larger-sized shoulder screws and pins for mounting. If installing rails into a round hole rack, use smaller-sized shoulder screws and pins for mounting.

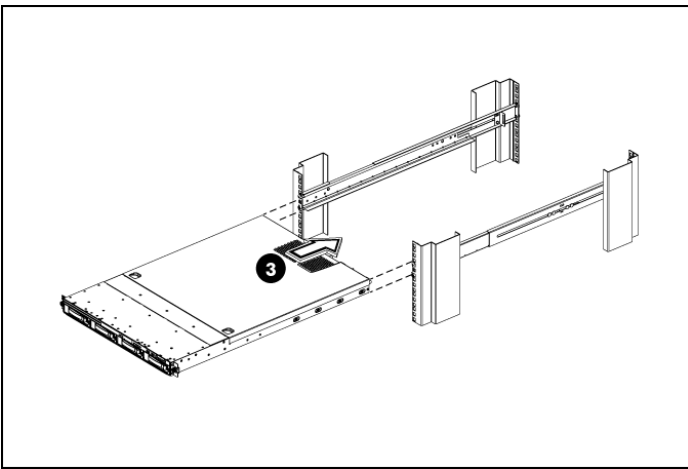


**Figure 1 Attach the rails to the rack columns**

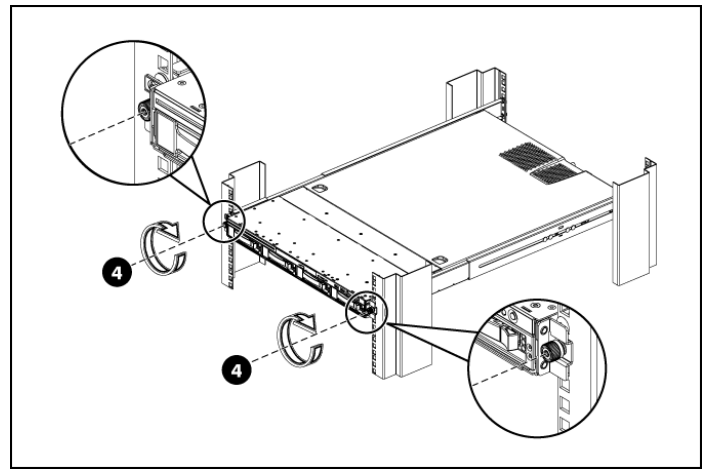
3. Slide the server into position on the rails (step 3 in Figures 2, 3).

**📝 NOTE:**

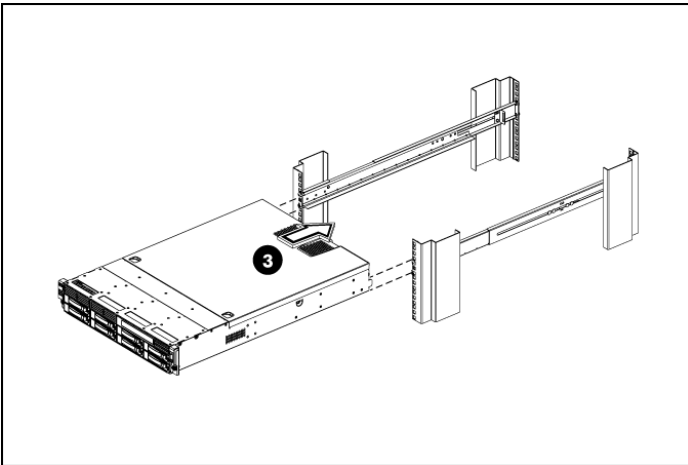
The rear ends of the rails have a CTO bracket that must overlap the chassis tab in order to secure the server to the rails (Figure 4).



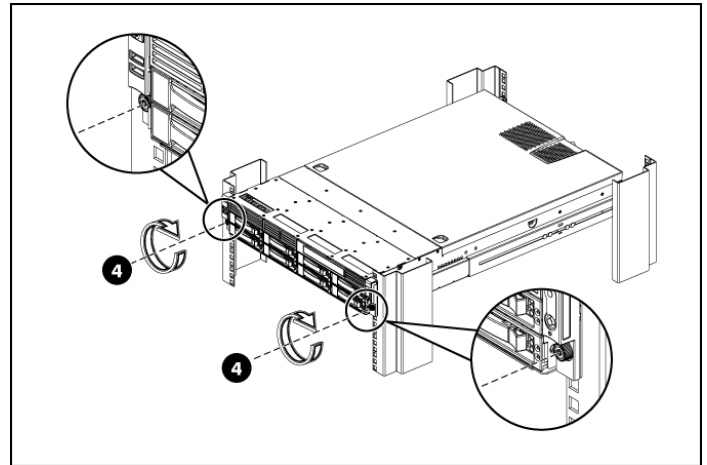
**Figure 2** Insert the 1U server into the rack



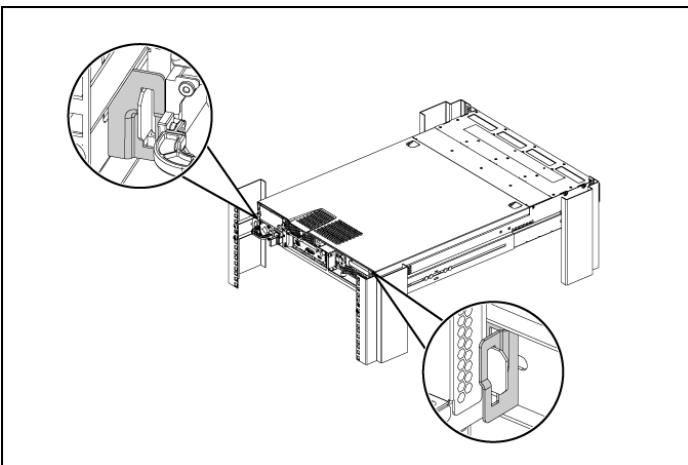
**Figure 5** Secure the 1U server to the rack



**Figure 3** Insert the 2U server into the rack



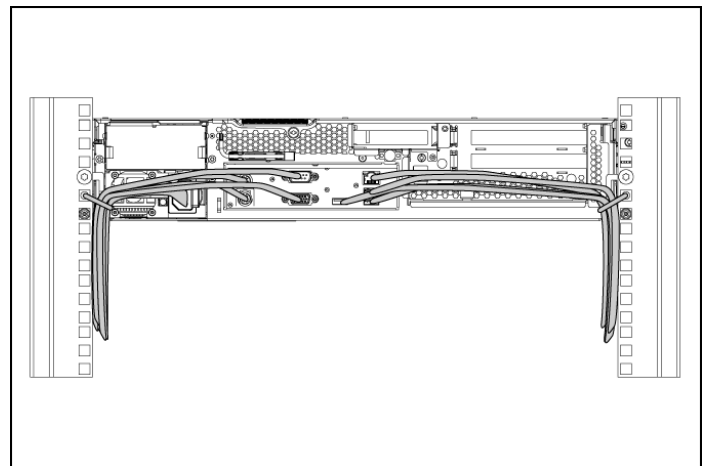
**Figure 6** Secure the 2U server to the rack



**Figure 4** CTO bracket location

4. Secure the server to the rack rails using thumbscrews on the server front bezel (step 4 in Figures 5, 6).

5. Using the holes provided in the rear rack rails, install tie wraps and route external cable as required (Figure 7).



**Figure 7** Cable management with tie wraps

6. Connect all power cords.