Installing the Cisco R42612 Rack

This chapter contains the following sections:

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Securing the Cisco R-Series Rack to the Floor

For information about how to unpack and place the Cisco R42612 rack, see Unpacking a Cisco R-Series Rack. Once the rack is off the pallet, roll it to the desired location. To ensure that you have enough room at the intended location, see the footprint diagram, Space and Clearances.

Complete the following steps to lower the leveling feet and install the front stabilizer bracket:

Procedure

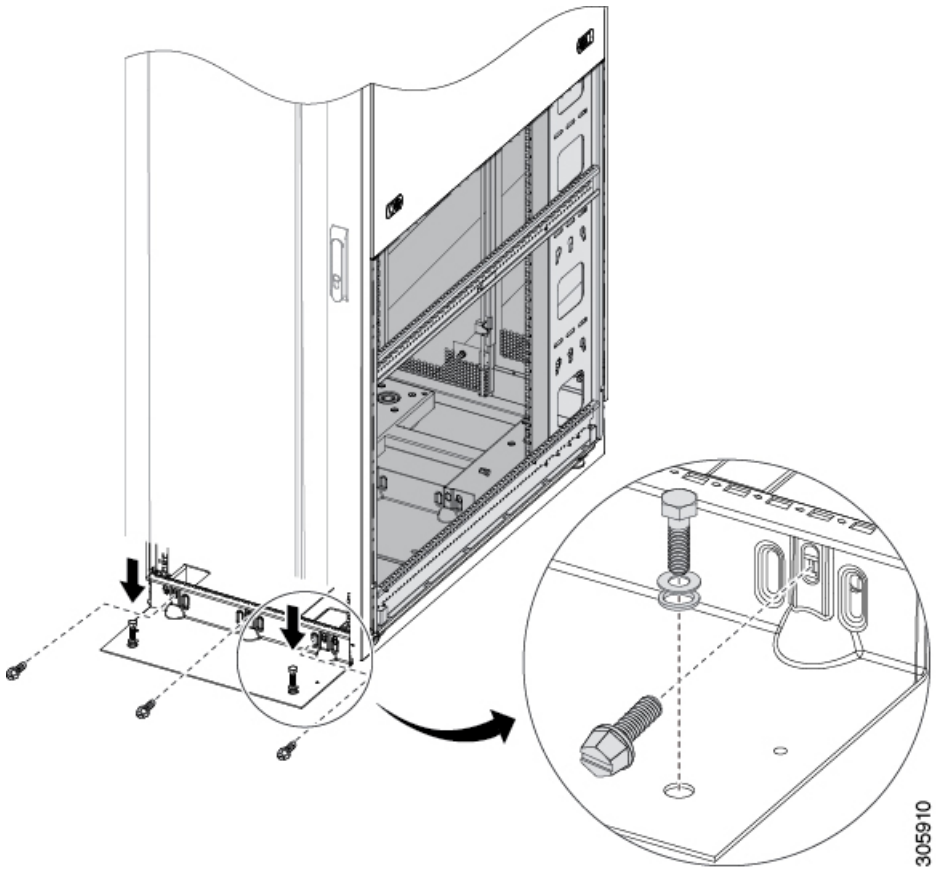
Step 1 Use a flat-blade screwdriver to lower each of the leveling feet so that they touch the floor. The rack casters support the weight of the rack, while the leveling feet prevent the rack from rolling.

Caution Unless you are moving the Cisco R42612 rack, the leveling feet should always be extended.

Step 2 Remove the stabilizer plate from the bottom floor of the rack.

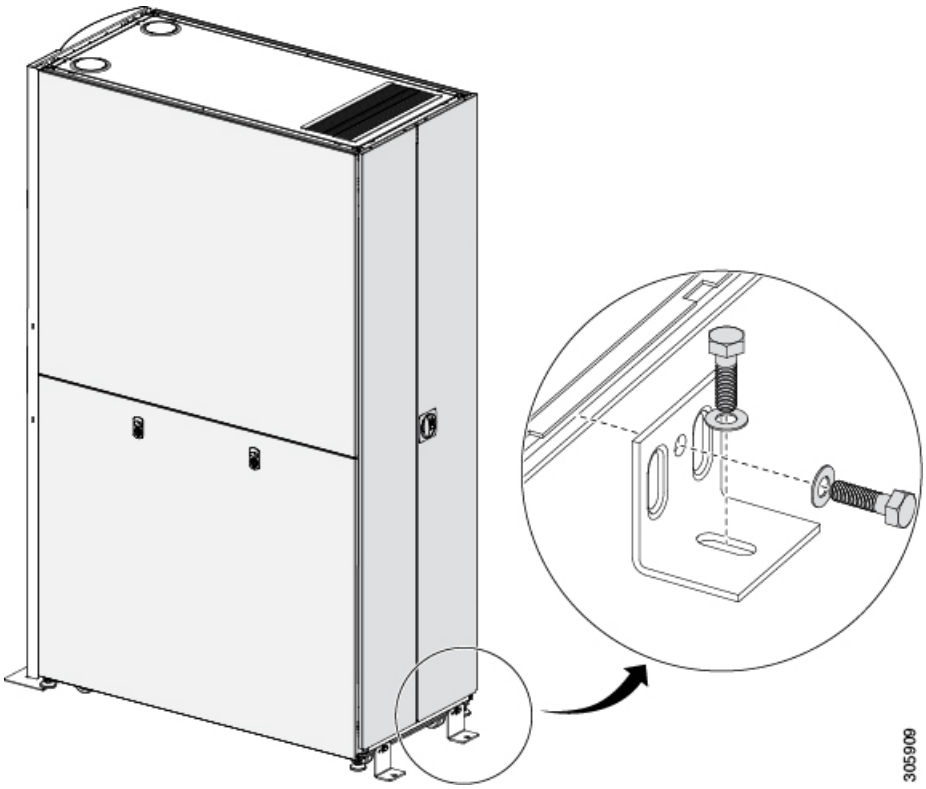
Step 3 Attach the stabilizer plate to the front of the rack as shown in the following figure.

Figure 1: Attaching the Front Stabilizer Bracket to the Rack



Step 4 Attach the stabilizer brackets to the rear of the Cisco R42612 rack as shown in the following figure.

Figure 2: Attaching the Rear Stabilizer Brackets to the Rack



Step 5 Bolt the Cisco R42612 rack to the floor surface through the holes in the front and rear stabilizer brackets.

What to do next

The Cisco R42612 rack is now installed. You may now:

- Join additional racks to the installed rack. See Joining Cisco R-Series Racks Together, on page 3.
- Install optional Cisco PDUs. See Preparing to Install an RP-Series PDU.
- Install devices in the rack according to the instructions in the device documentation.

Joining Cisco R-Series Racks Together

An optional rack joining kit is available that allows you to attach two or more racks together. The kit includes all required hardware. You do not need to remove the doors to attach the racks together. When racks are joined together, there is no need for the side stabilizers.

Before joining racks together, make sure that the floor can support the weight of all the equipment and the racks themselves.

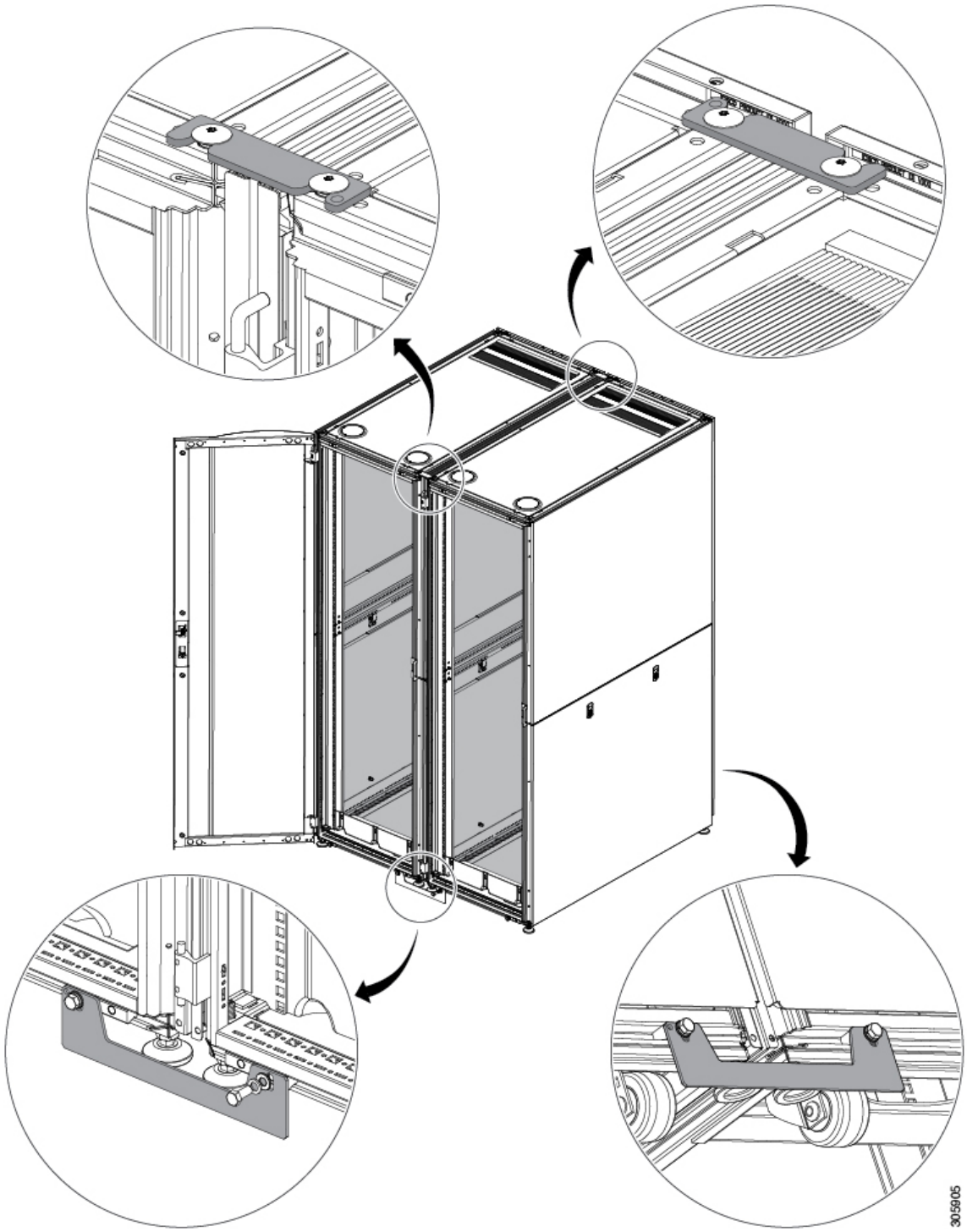
To attach Cisco R42612 racks together, follow these steps:

Procedure

Step 1 Install the first rack as described in Securing the Cisco R-Series Rack to the Floor, on page 1.

Step 2 Secure the racks together at the top and the bottom in both the front and the back. Use the bracket as shown in the following figure.

Figure 3: Connecting Two Racks



Step 3 Install the front and rear stabilizer brackets for the rack you have just added as described in Securing the Cisco R-Series Rack to the Floor, on page 1.

Step 4 Repeat this procedure to attach additional racks to the group.

Installing Devices in the Rack

See the documentation for each device for the instructions on how to install it in the rack. Always observe these guidelines:

- Contact your Cisco representative to access the latest information about Cisco products that have been tested with Cisco R42612 rack.
- Contact your Cisco representative to determine if a component has been certified to ship preracked. Prior to certification of components to ship preracked, a component must be shipped in its original packaging. Shipping a noncertified component in a rack will void the warranty.
- Always install devices in the bottom of the rack first, with the heaviest devices in the lowest possible RU space. Avoid making the rack top heavy because that situation is dangerous.
- If an installed component can slide forward, extend only one device at a time. Never extend any device that weighs over 225 lb (102 kg).
- Never install devices that are not approved by independent national safety labs that are appropriate for your country.
- Do not use the top of a rack-mounted device as a shelf unless it is intended for that use.

Installing the Grounding Kit

To install the grounding kit, follow these steps:

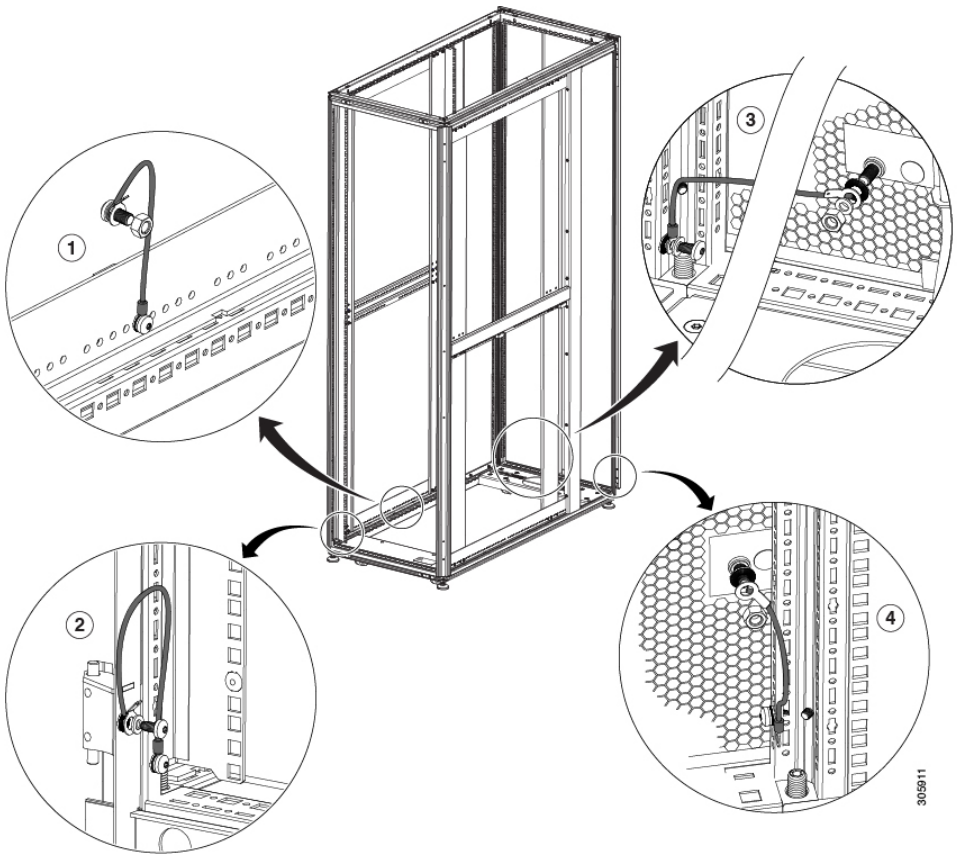
Procedure

Step 1 Loosen the ground connector and either wrap around it the end of a 10 AWG wire with 1" of the end stripped, or attach a wire that has a ring connector attached.

Step 2 Connect the other end of the grounding wire to the Cisco R42612 Rack.

The following figure shows locations where you can install the grounding connector.

Figure 4: Grounding Kit Installation



1	Bottom side panel nut earthing point	**3**	Master rear door nut earthing point
2	Front door screw earthing point	**4**	Slave rear door nut earthing point