

Mount the Chassis

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Unpack and inspect the chassis

Note The chassis is thoroughly inspected before shipment. If any damage occurred during transportation or any items are missing, contact your customer service representative immediately. Keep the shipping container in case you need to send the chassis back due to damage.

Procedure

Step 1 Remove the chassis from its cardboard container and save all packaging material.

Step 2 Compare the shipment to the equipment list provided by your customer service representative. Verify that you have all items.

Step 3 Check for damage and report any discrepancies or damage to your customer service representative. Have the following information ready:

- Invoice number of shipper (see the packing slip)
- Model and serial number of the damaged unit
- Description of damage
- Effect of damage on the installation

Related Topics

Package contents

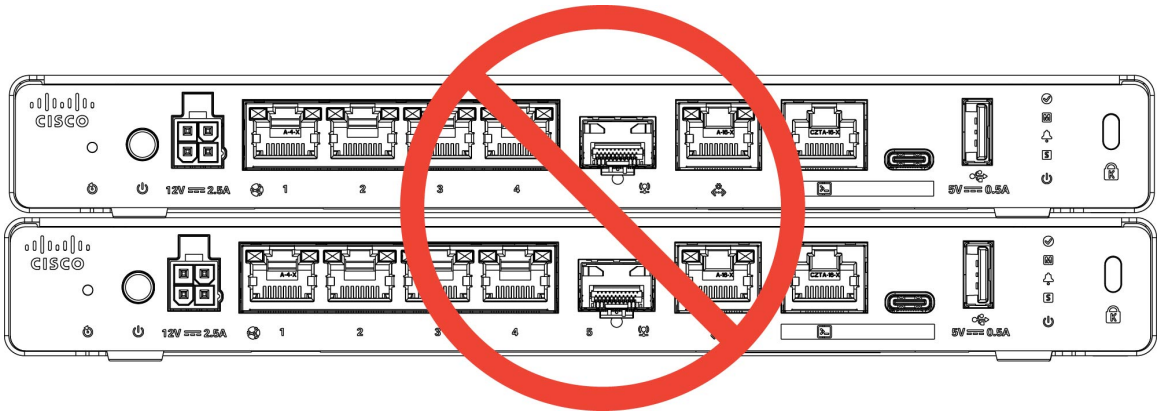
Desktop-mount the chassis

You can mount the Secure Firewall 200 series chassis on a desktop by placing it on a desk in a horizontal position. Make sure there are no blockages or obstructions within 0.5 inch of the top of the chassis or within 2 inches of the sides and back, so that nothing interferes with cooling. Do not remove the rubber feet included with the chassis. They are also needed for proper cooling.

Caution If you stack the units, they overheat, which causes the units to power cycle.

Note The following figure shows the Secure Firewall 220. The do not stack requirement applies to all the Secure Firewall 200 series models.

Figure 1: Desktop-mount the chassis (Do Not Stack)



What to do next

Install the cables according to your default software configuration as described in the Getting Started Guide.

Wall-mount the chassis (1 RU)

You can purchase an optional wall-mount kit to wall mount the Secure Firewall 220. You can wall-mount the chassis left, or rear panel-side up. You can use the wall-mount bracket to mark the holes for mounting it on the wall. The wall-mount bracket is 8.9 x 6.5 x 0.378 inches (22.672 x 16.512 x .96 cm). You need to make two level marks on the wall where you want to hang the chassis. For vertical orientation (rear panel up), the holes should be 5.575 inches (14.160 cm) inches apart. For horizontal orientation, the holes should be 8 inches (20.32 cm) apart.

Wall-mount kit

The wall-mount kit (CSF200-WALL-MNT) contains the following items:

- Wall-mount bracket

- Three Phillips M3 x 0.5 x 5.2-mm screws
- Two Phillips #6 x 1¼-inch screws
- One #8 wall anchor kit with screws

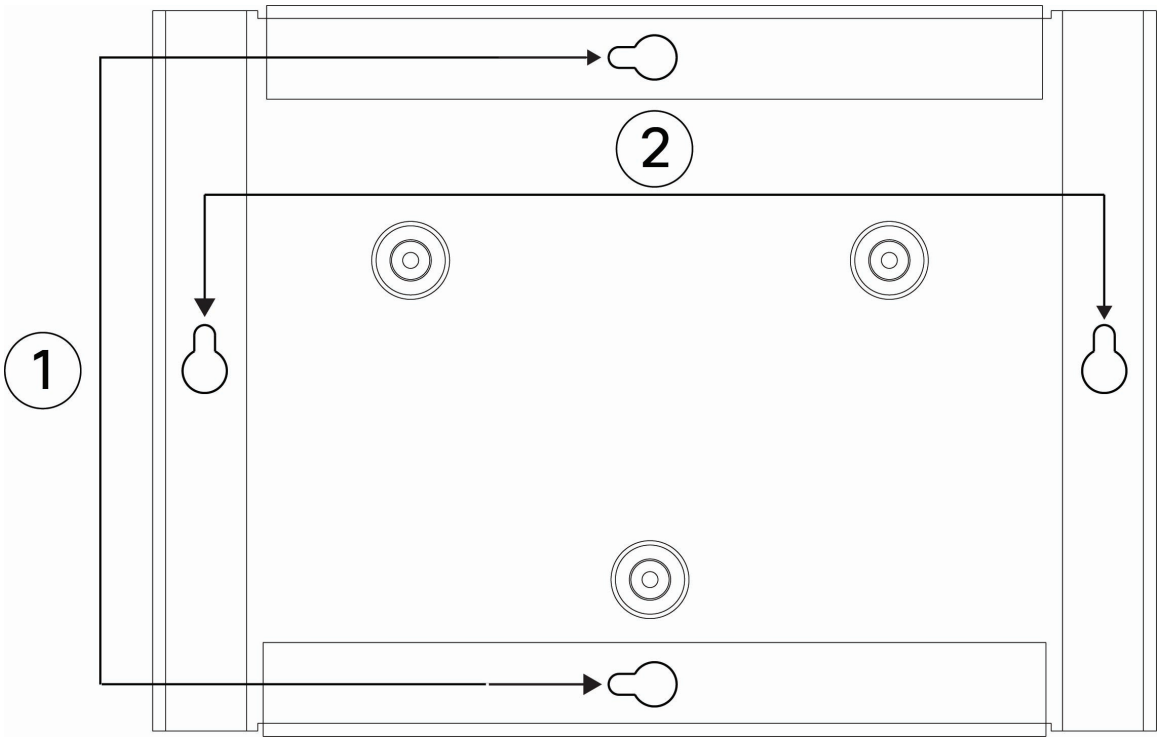
Follow these steps to mount your chassis on a wall.

Procedure

Step 1 Choose an orientation (left-, right-, or rear panel-side up) and a location on the wall for the chassis.

Step 2 Use a pencil, ruler, and level to mark locations for the two mounting screws (#6 x 1¼ inch). You can use the wall-mount bracket itself to mark either the top holes or the side holes.

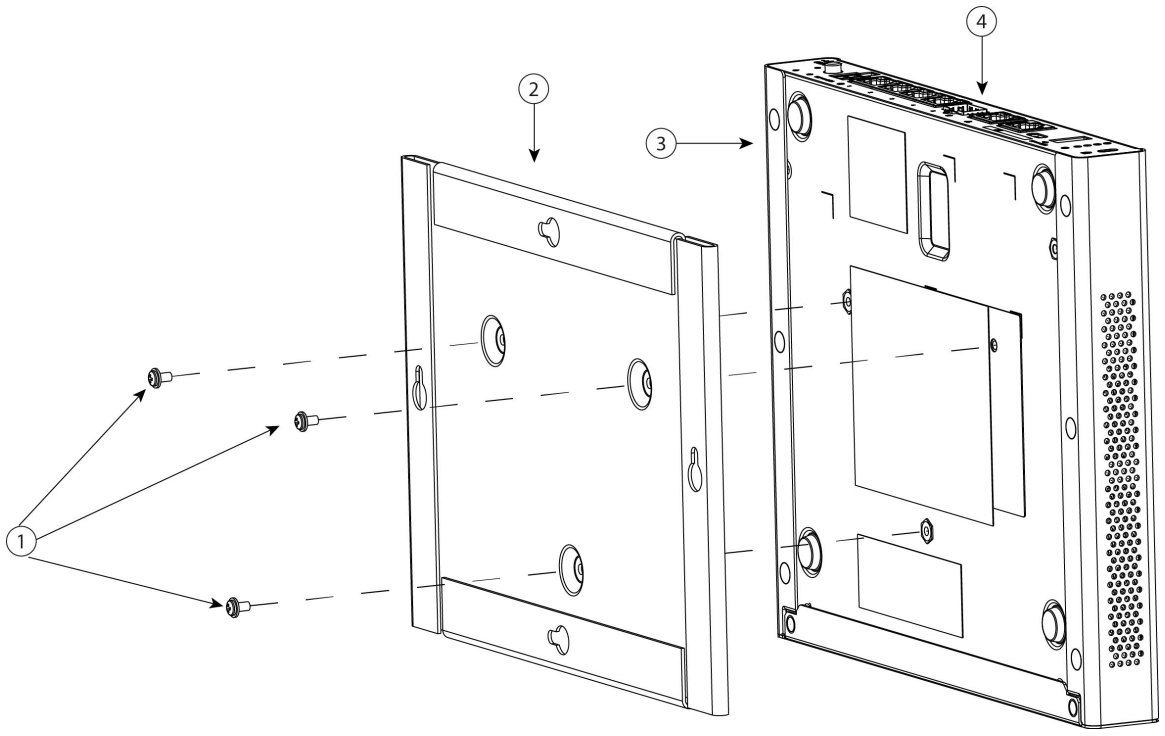
Figure 2: Wall-mount bracket



1	Horizontal mounting 8 inches (20.32 cm) apart	**2**	Vertical mounting 5.575 inches (14.160 cm) apart

Step 3 Attach the wall-mount bracket to the chassis using the three Phillips M3 x 0.5 x 5.2-mm screws.

Figure 3: Attach the wall-mount bracket to the chassis



1	Three Phillips M3 x 0.5 x 5.2-mm screws	**2**	Wall-mount bracket
3	Bottom of the chassis	**4**	Rear panel (I/O side)

Step 4 Use the two #6 x 1¼-inch screws to drill into a stud, or use the anchors (#8 wall screw) from the wall-anchor kit to hang it into dry wall.

If you are mounting the chassis onto something other than drywall, such as wood or sheet metal, anchors may not be required.

Step 5 Drill a hole into the wall at each mark that you made in Step 2.

These holes should be slightly smaller in diameter than anchors if you are using them. The recommended drill hole size is 3/16 inches.

Step 6 Insert the anchors into the holes if needed, and be sure they are properly seated.

Step 7 Fasten each screw into its anchor until it protrudes about ¼ inch.

Step 8 Pick up the chassis, align the screws in the anchors with the holes in the bottom of the wall-mount bracket, move the chassis toward the wall until the screw heads are in the wall-mount bracket, and then slide it down until it rests on the screws.

Caution
Do not mount the chassis with the rear panel facing downward. This orientation is not supported.

Step 9 To uninstall the chassis from the wall mount, slide the wall-mounted chassis from the wall, and remove the three screws from the bottom of the chassis.

Step 10 Install the cables according to your default software configuration as described in the Getting Started Guide.

Rack mount the chassis (1 RU)

You can mount the Secure Firewall 220 chassis into a 1-RU space in a 19-inch EIA rack using the rack-mount shelf. The rack-mount shelf is 1.72 x 18.97 x 16.09 inches (H x W x D) (4.37 x 48.18 x 40.87 cm). You can also mount the chassis in a slide-rail rack. You order the rack-mount kit with fixed brackets or the rack-mount kit with slide rails. The cable management bracket kit is optional.

Rack-mount kit with fixed brackets

The rack-mount kit with fixed brackets (CSF200-RCKMNT-FX=) contains the following items. You need two rack-mount screws that you provide to install the rack-mount shelf into your rack.

- Rack-mount shelf
- Two two-post rack-mount brackets
- Two T-brackets for 2-RU mounting (not in use for the CSF-220)
- 16 Phillips 6-32 x 0.31-inch screws for securing the brackets to the rack-mount shelf (use 12 of the screws for a 1-RU rack)
- Three Phillips M3 x 0.5 x 5-mm screws for securing the rack-mount shelf to the chassis

Rack-mount kit with slide rails

The rack-mount kit with slide rails (CSF200-RCKMNT-SR=) contains the following items. You need two rack-mount screws that you provide to install the rack-mount shelf into your rack.

- Rack-mount shelf
- Two T-brackets for 2-RU mounting (not in use for the CSF-220)
- Four Phillips 6-32 x 0.31-inch screws for securing the rack-mount brackets to the rack-mount shelf (not in use for the CSF-220)
- Three Phillips M3 x 0.5 x 5-mm screws for securing the rack-mount shelf to the chassis

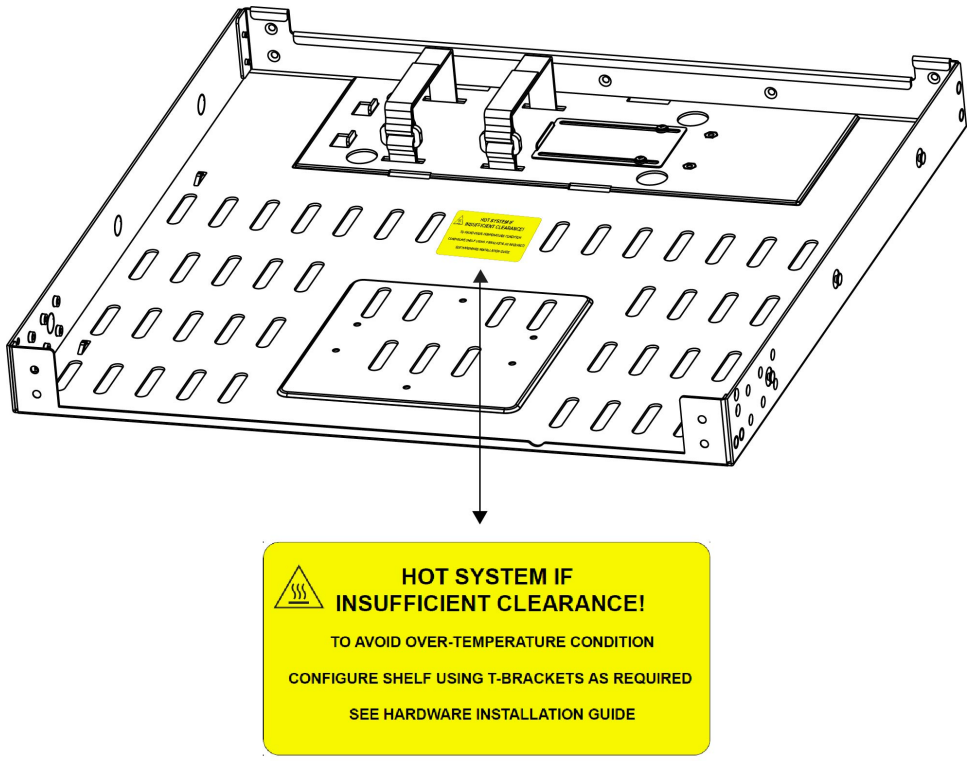
Cable-management bracket kit

The cable-management bracket kit (CSF200-CBL-MGMT=) contains the following items.

- Two cable-management brackets
- Four Phillips 8-32 x 0.375-inch screws for securing the brackets to the rack-mount shelf

The rack-mount shelf contains an overheating warning label. This label does not apply to the CSF-220, but to the Secure Firewall 200 series models that use a 2-RU rack-mount shelf. The T-brackets, included in the rack-mount shelf kit, are a vertical spacing aid for the rack-mount shelf to prevent thermal concerns from inadequate product vertical clearance. The CSF-220 does not require the installation of the T-brackets but 2-RU models do require them.

Figure 4: Rack-mount shelf overheating warning label for 2-RU rack-mount shelves

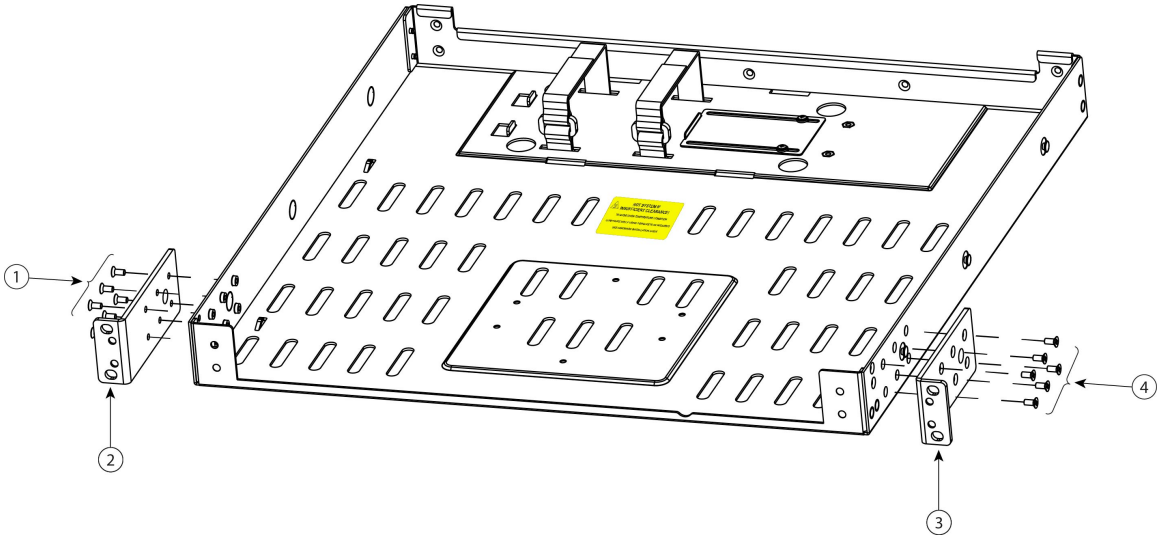


Procedure

Step 1 To mount the chassis in the rack-mount shelf in a two-post rack:

a) Install the two-post rack-mount brackets on the rack-mount shelf.

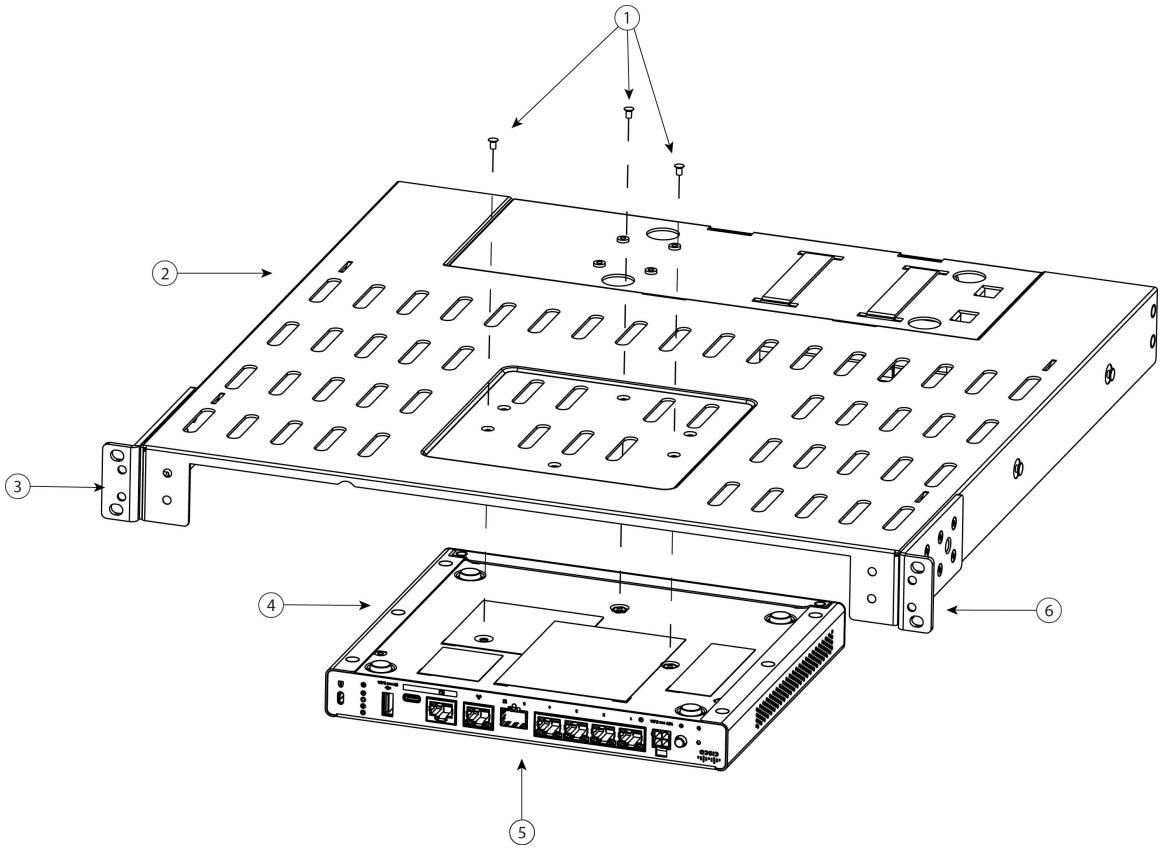
Figure 5: Install the two-post rack-mount brackets on the rack-mount shelf



1	Rack-mount shelf bracket screws (six Phillips 6-32 x 0.31-inch screws)	**2**	Rack-mount bracket
3	Rack-mount bracket	**4**	Rack-mount shelf bracket screws (six Phillips 6-32 x 0.31-inch screws)

b) Turn the rack-mount shelf and the chassis upside down and use the three screws to install the bottom of the chassis on the rack-mount shelf.

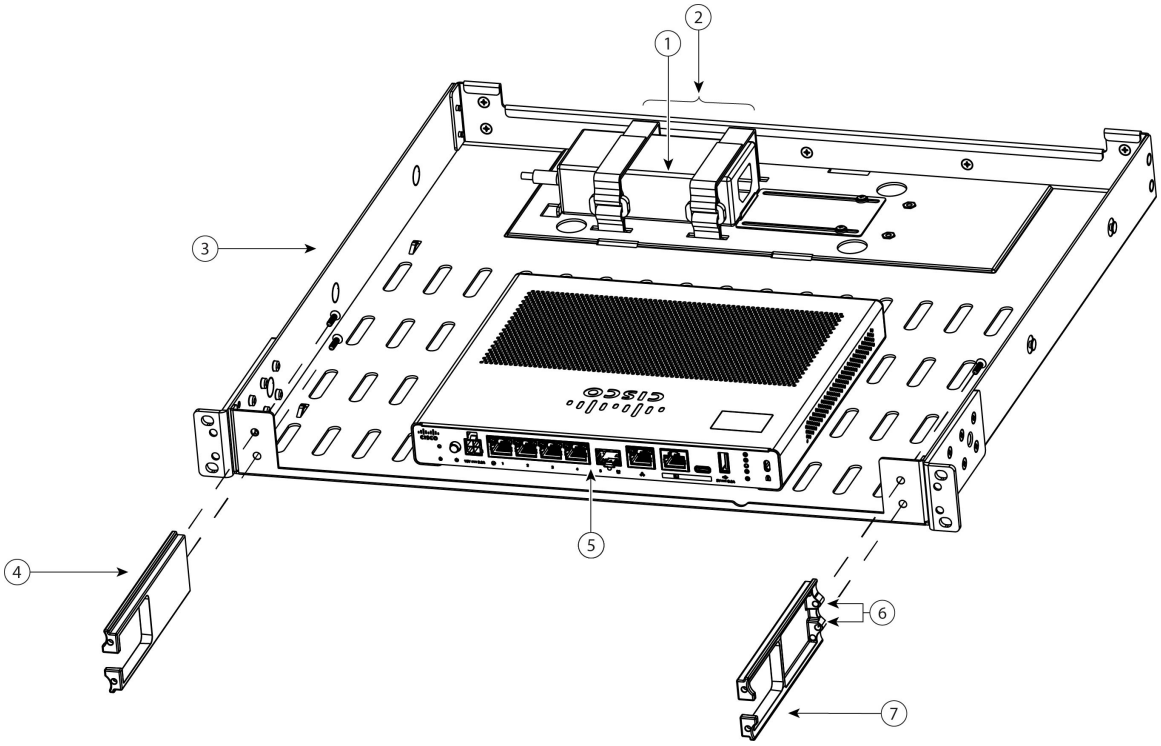
Figure 6: Install the chassis on the rack-mount shelf



1	Rack-mount shelf screws (three Phillips M3 x 0.5 x 5-mm screws)	**2**	Rack-mount shelf bottom side up
3	Installed rack-mount shelf bracket	**4**	Chassis bottom side up
5	Rear panel (I/O side)	**6**	Installed rack-mount shelf bracket

c) (Optional) Install the cable management brackets on the rack-mount shelf and install the power supply at the back of the rack-mount shelf using the velcro straps to secure it.

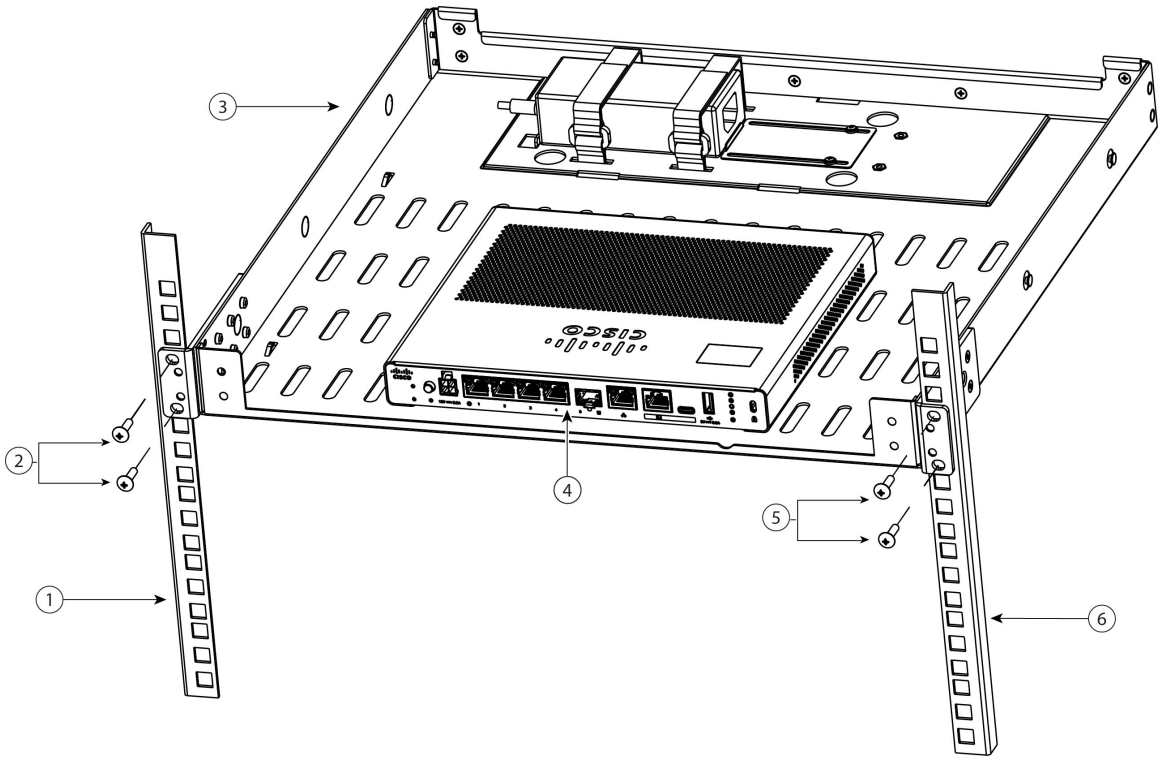
Figure 7: Install the cable management brackets on the rack-mount shelf



1	Power supply	**2**	Velcro straps for securing the power supply
3	Rack-mount shelf	**4**	Cable management bracket
5	Chassis rear panel (I/O side)	**6**	Cable management bracket screws (Two Phillips 8-32 x 0.375-inch screws) **Note** Shown only on the right cable management bracket due to the angle of the left cable bracket, which is obscuring the two screws there.
7	Cable management bracket		—

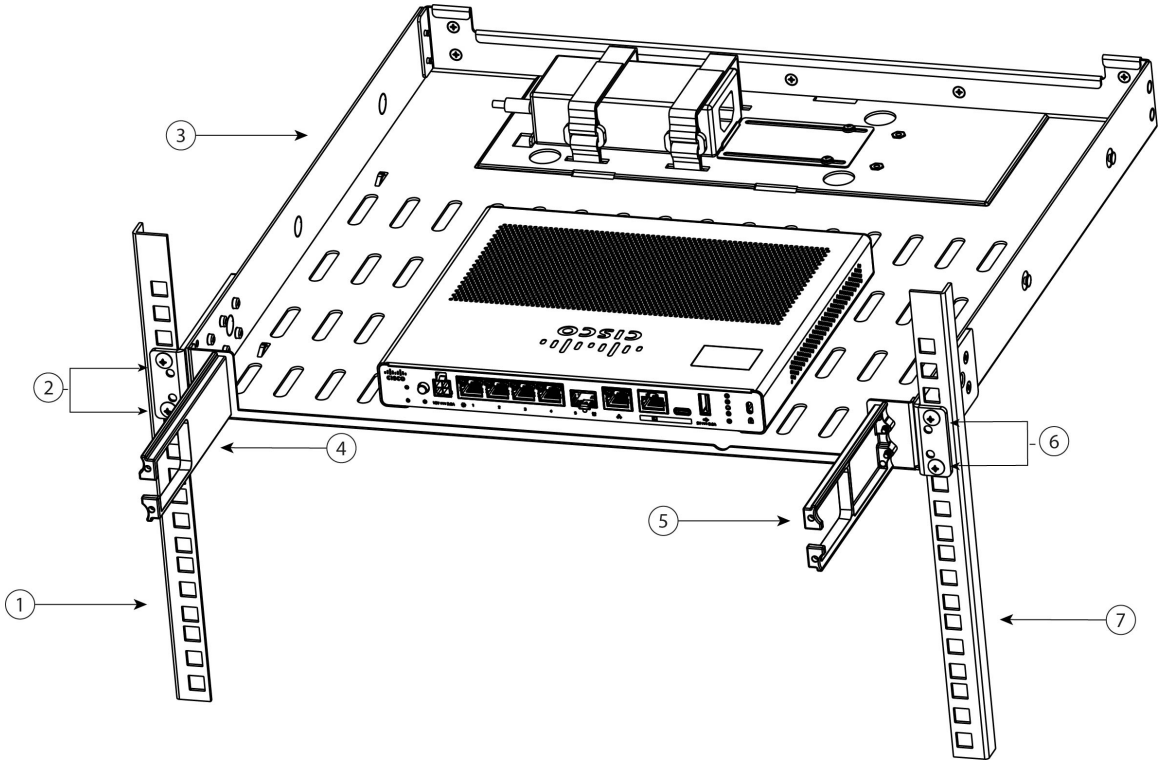
d) Using two screws for each rack post (that you supply), install the rack-mount shelf into the two-post rack. The first figure shows the rack-mount shelf installed in the two-post rack without the cable management brackets installed. The second figure shows the rack-mount shelf installed in the two-post rack with the cable management brackets installed.

Figure 8: Install the rack-mount shelf in the two-post rack (without cable management brackets)



1	Two-post rack	**2**	Two rack screws (you supply the screws that fit your rack)
3	Rack-mount shelf	**4**	Chassis rear panel (I/O side) Velcro straps to secure the power supply
5	Two rack screws (you supply the screws that fit your rack)	**6**	Two-post rack

Figure 9: Install the rack-mount shelf in the two-post rack (with cable management brackets)



1	Two-post rack	**2**	Two rack screws installed (you supply the screws that fit your rack)
3	Rack-mount shelf	**4**	Cable management brackets
5	Cable management brackets	**6**	Two rack screws installed (you supply the screws that fit your rack)
7	Chassis rear panel (I/O side)		—

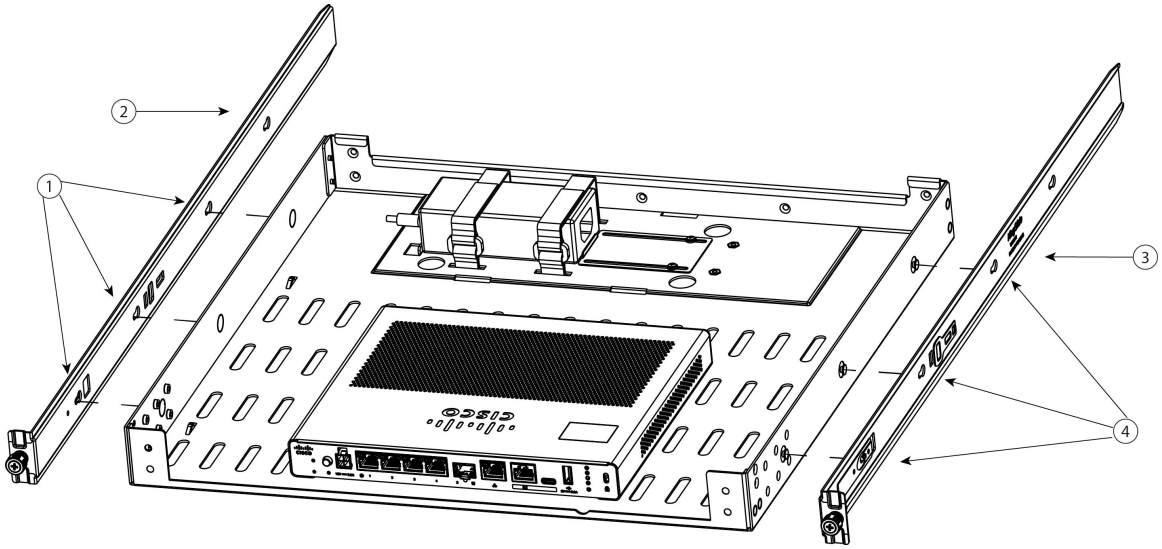
Step 2 To install the chassis in the rack-mount shelf using slide rails:

a) Remove the inner rail from the slide rail outer rail.

b) Install the slide rail outer rail into the 4-post rack. Line up the pegs on the slide rail ends with the holes in the rack. Locate the mechanism at each end of the outer slide rail to secure the pegs with the rack.

c) Install the two inner slide rails onto the rack-mount shelf. Line each hole on the inner slide rail with the pegs on the chassis and snap the inner slide rail into place.

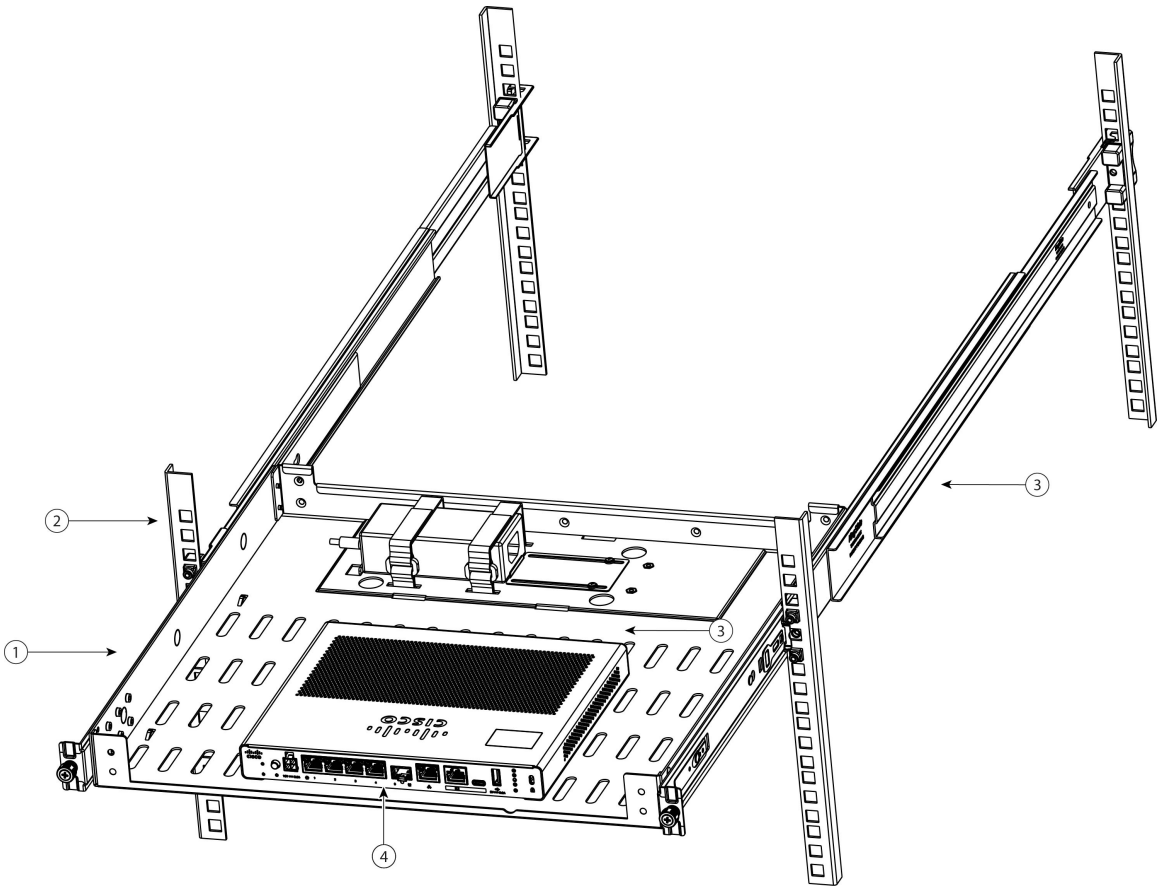
Figure 10: Install the slide rails onto the rack-mount shelf



1	Three holes on the slide rail to line up with the pegs on the side of the chassis	**2**	Slide rail
3	Slide rail	**4**	Three holes on the slide rail to line up with the pegs on the side of the chassis

d) Slide the rack-mount shelf containing the chassis into the slide-rail rack.

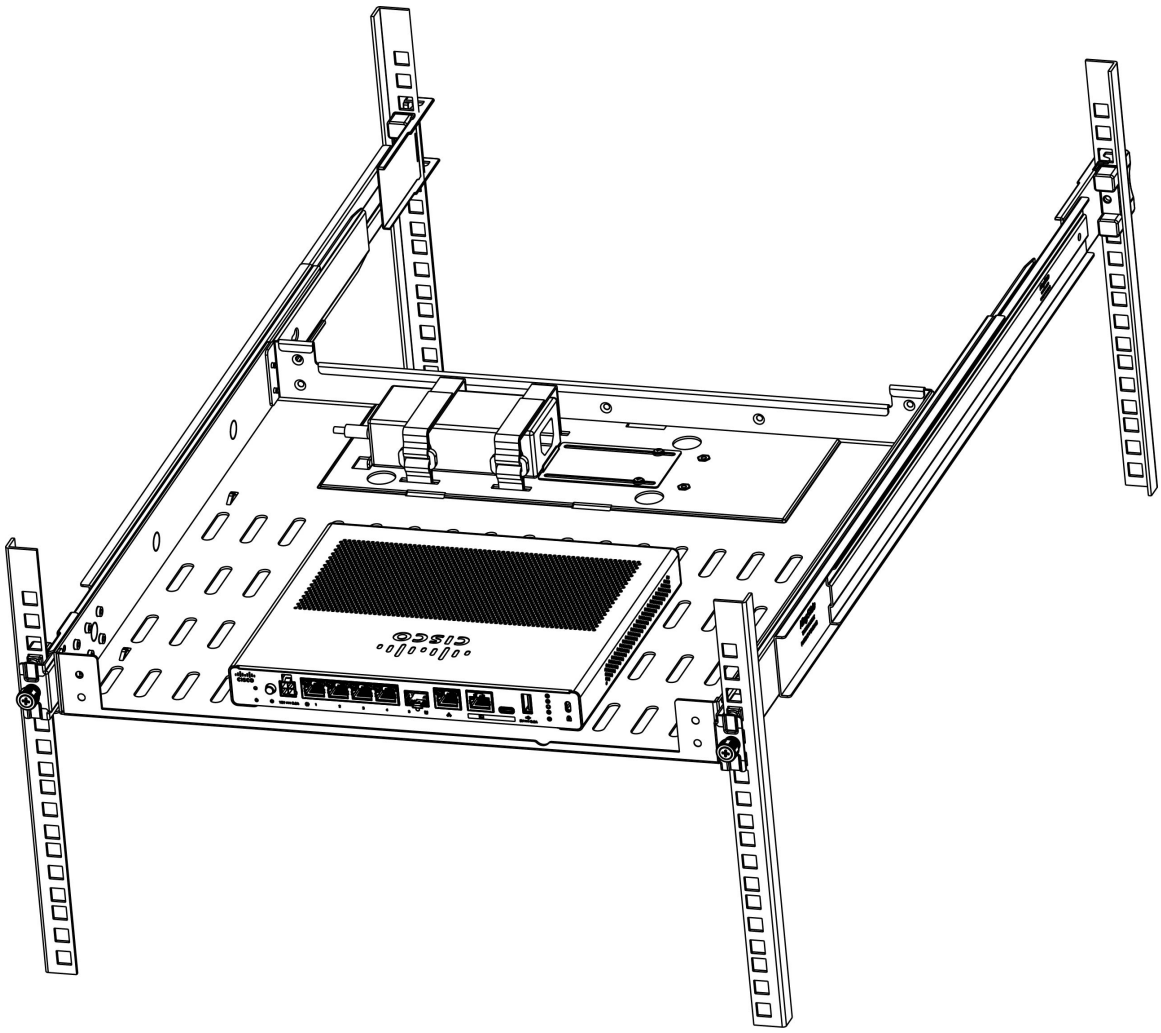
Figure 11: Slide the rack-mount shelf into the slide-rail rack



1	Rack-mount shelf	**2**	Slide-rail rack
3	Slide rail attached	**4**	Chassis rear panel (I/O side)

Step 3 Install the cables according to your default software configuration as described in the Getting Started Guide. The chassis is now installed in the rack-mount shelf, which is installed in the rack.

Figure 12: Rack-mount shelf installed in the slide-rail rack



Related Topics

Rack configuration considerations