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## Install a CSG5000 Series Appliance

This article provides instructions about how to unpack a Cloud Services Gateway (CSG) 5000 series appliance and how to install it. You can mount a CSG5000 series appliance directly in a 19-inch rack, or you can install a slide rail in a 19-inch rack and then mount the CSG5000 series appliance on the slide rail. The minimum depth of the slide rail is 698 mm (27.48 inches), and the maximum depth is 998 mm (39.39 inches).

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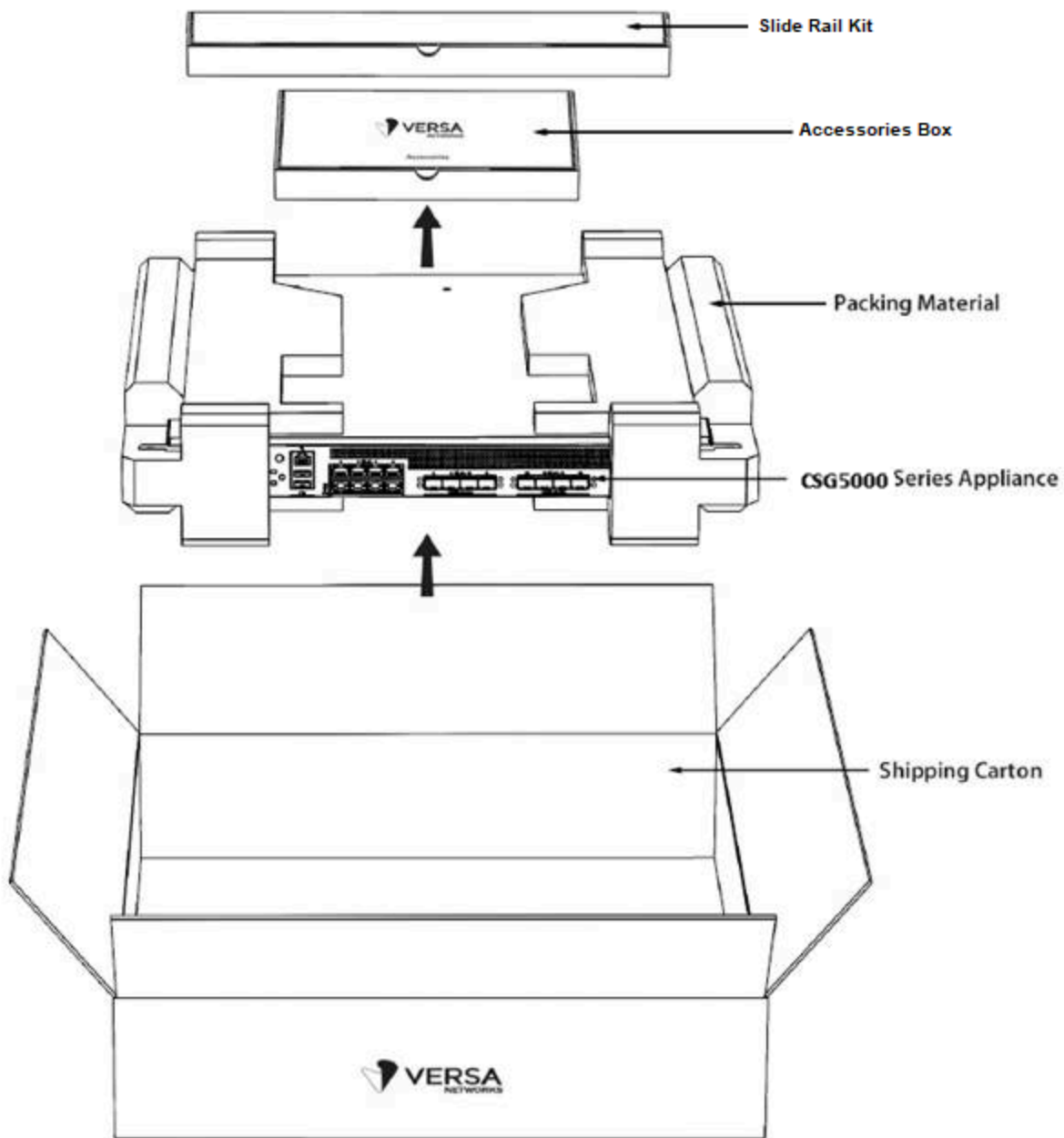
## Unpack a CSG5000 Series Appliance

The CSG5000 series appliance is packed in a plastic bag, and it is shipped in a cardboard carton, secured with foam packing material. The carton also contains an accessory box. It is recommended that you unpack the appliance only when you are ready to install it.

To unpack a CSG5000 series appliance:

1. Open the top flaps of the cardboard carton.
2. Remove from the box the foam packing material holding the appliance and the accessories in place. See Figure 1.
3. Remove the accessory box and the appliance from the foam packing material.
4. Remove the accessories from the accessories box.
5. Verify the components against the packing list that is included in the box.

**Figure 1: Unpack a CSG5000 Appliance**



Note: It is recommended that you save the shipping carton and packing material when unpacking the appliance, in case you need to later move the appliance or return it. See [How To Return Hardware](#).

## Packing List for a CSG5000 Series Appliance

The cardboard carton in which a CSG5000 series appliance is shipped contains a packing list. Check the packing list against the parts that you receive in the shipping carton.

Table 1 lists the parts shipped with a CSG5000 series appliance.

**Table 1: Parts Shipped with a CSG5000 Series Appliance**

Components	Quantity
CSG5000 appliance chassis	1
Power cable (US only)	1
Console cable USB to RJ-45	1
Grounding wire (#18 AWG)	1
Rear-post brackets	2
Rear-post bracket ears	2
Screws for ear locking	2
Screws for rack mounting	4
Screws	20

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## Mount a CSG5000 Series Appliance in a Rack

You can mount a CSG5000 series appliance in a four-post, 19-inch rack.

To mount the appliance, ensure that you have the following tools:

- Number 2 Phillips (+) screwdriver
- Tape measure

To mount a CSG5000 series appliance in a four-post, 19-inch rack:

1. Place the appliance chassis on a flat, stable surface.
2. Check the internal dimensions of the rack with a tape measure. The appliance is 43.8 mm wide (about 17.24 inches) and must fit within the mounting posts.
3. Attach the two rear post brackets to the appliance chassis using the six bracket screws that are shipped with the appliance. Use the rack screws to secure the switch in the rack.
4. Lock the position of the rear post bracket ears using the included position-locking screws. You can adjust the rear post bracket ears to fit different rack depths, from 56 cm to 75 cm.

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## Mount a CSG5000 Series Appliance on a Slide Rail

You can install a slide rail in a 19-inch rack and then install a CSG5000 series appliance on the slide rail. You can

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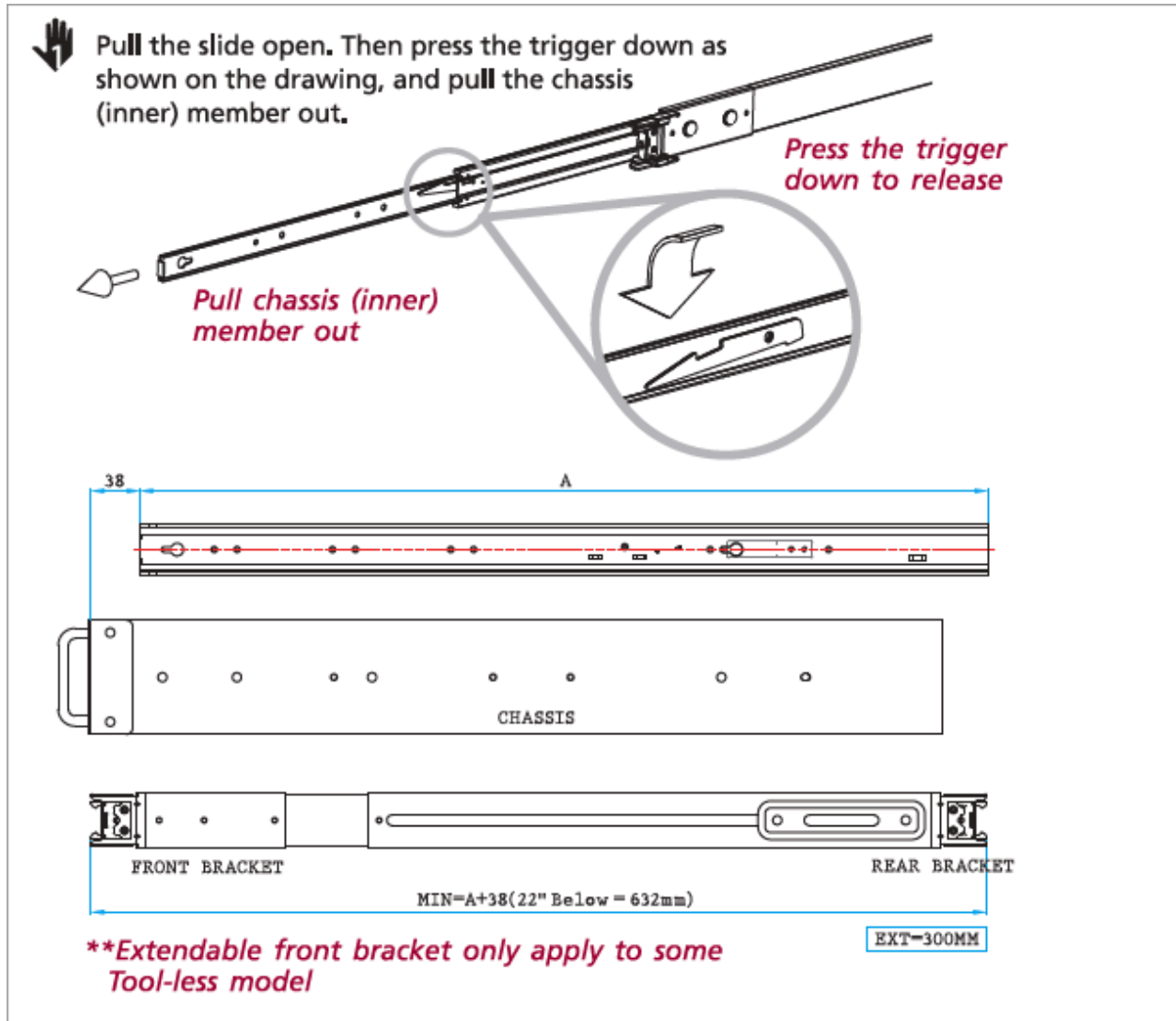
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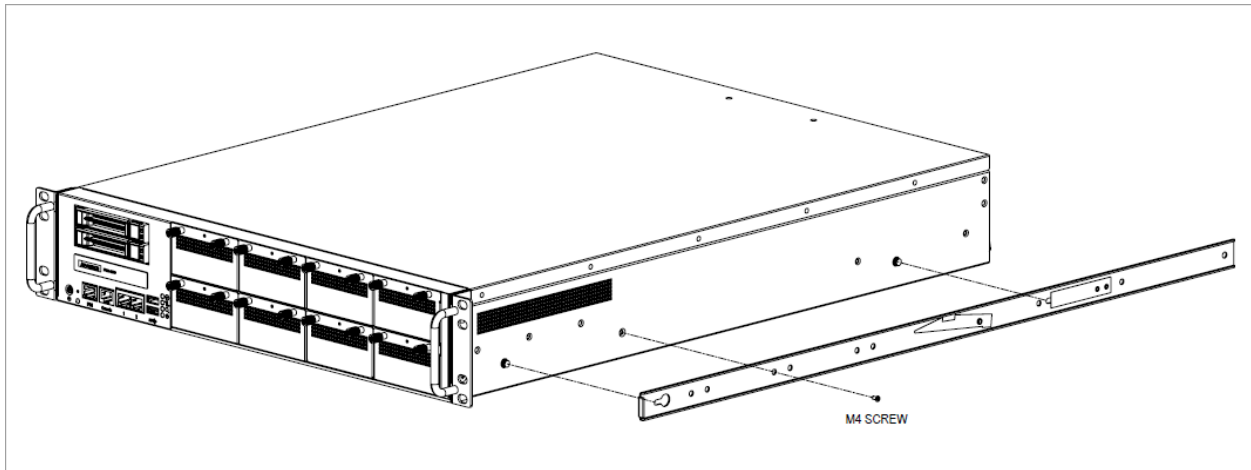
purchase an optional slide rail kit when you purchase a CSG5000 series appliance.

To install a slide rail in a 19-inch rack and install a CSG5000 series appliance on the slide rail:

1. Push the lever down, and then pull the inner rail all the way out of the middle rail.



2. Use the M4 screws from accessory box to mount the inner rail to chassis.

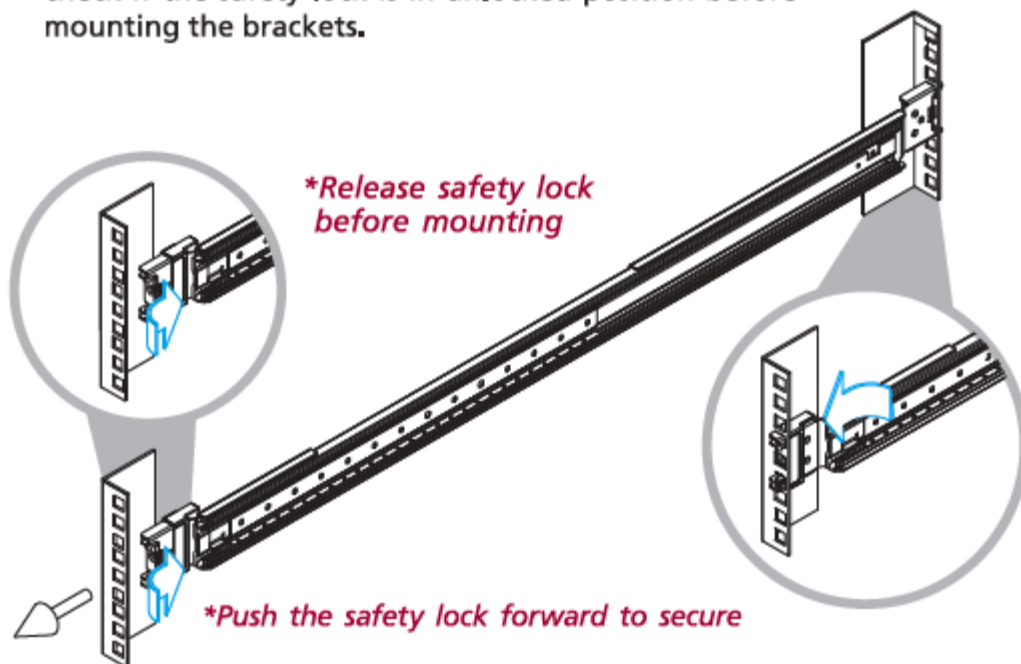


3. Attach the cabinet (outer) member to the rail.

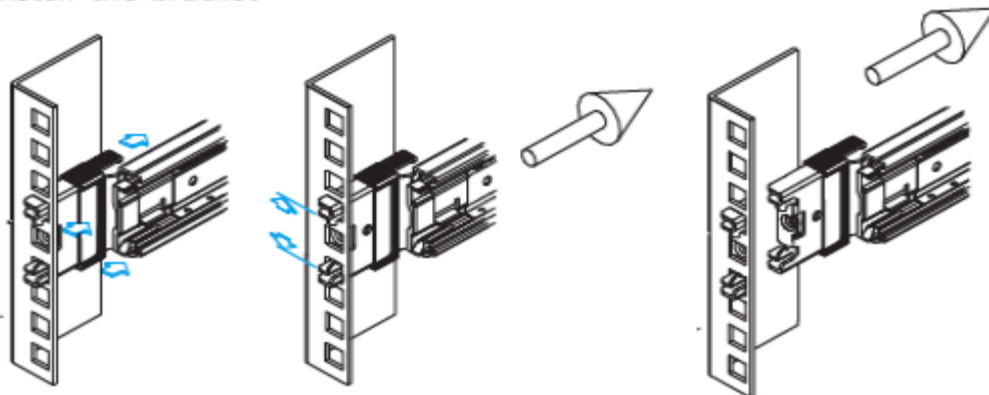


Insert the stag into the upper and lower square holes on EIA rail from the back of rail.

Push the safety lock forward to secure the bracket. It is important to check if the safety lock is in unlocked position before mounting the brackets.



**Uninstall the bracket**



4. Mount the chassis into the cabinet. Align and push the inner rails into the extended middle rails. After the chassis is mounted in the middle rails, hold down the locking lever to push the chassis all the way into the rack.



Insert the chassis (inner) member into the cabinet member as shown on the drawing. It is important to check if the ball retainer is in fully open position before install the chassis. It might cause catastrophic damage to the chassis if ball retainer is not in fully open position while mounting the chassis. While you are pushing chassis back to the cabinet, you need to release the slide from locking position by pressing the trigger down.

