TOP

VSP 9012
Rail Guide

Use this rail template to identify where to position the clip nuts in the rail.

Position this guide where you want the chassis bottom to rest in a rack. Mark the clip nut locations on the rack accordingly.

VSP 9012
Rail Guide

CHASSIS BOTTOM

AVAYA

Virtual Services Platform 9012 Chassis Installation

CAUTION:
Before you set up and operate your Avaya™ equipment, read and follow the safety instructions in *Installing the Avaya Virtual Services Platform 9000 (NN46250-304)*.

PRÉCAUTION:
Avant d'installeret d'utiliser votre ordinature Avaya™, veuilez lire et suivre les directives de securité qui se trouvent dans le *Installing the Avaya Virtual Services Platform 9000 (NN46250-304)*.

PRECAUCION:
Antes de configurar y poner en functionamiento su equipo Avaya™, lea y siga las instrucctiones de siguridad que se encuentran en *Installing the Avaya Virtual Services Platform 9000 (NN46250-304)*.

Start Here

Use this information to flush-mount the Virtual Services Platform 9012 in the equipment rack (the front of the chassis is flush with the rack).

Prerequisites

Complete site preparation for installation clearance, and grounding requirements for the chassis.

Ensure that your environment meets the necessary requirements. For more information, see *Installing the Avaya Virtual Services Platform 9000 (NN46250-304)*.

Plan ahead to have three people present to lift the chassis. The chassis weighs in excess of 160 lb (73 kg) and requires a **minimum of three people to lift**. A mechanical lift should always be used when one is available.

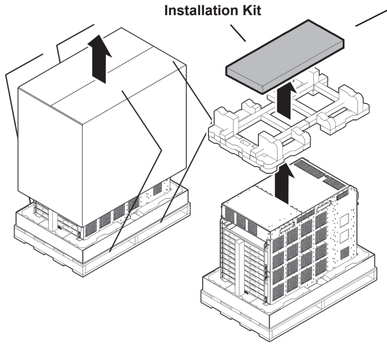
Gather the following tools:

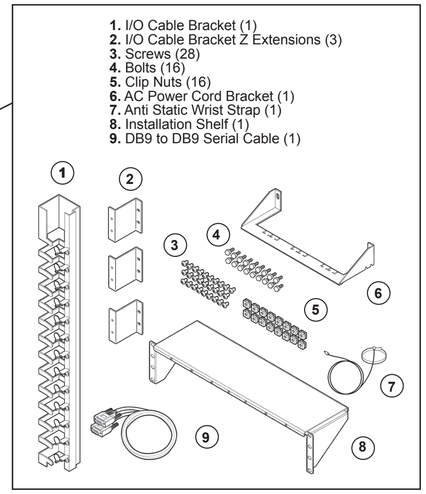
- Phillips #2 screwdriver or Flat screwdriver
- 10mm Hex driver
- Mechanical lift, if available

1 Unpack the installation kit

Remove the equipment in the installation kit.

Note: Extra screws and bolts are included to support a variety of installation options. You may not need to use all of the hardware provided.





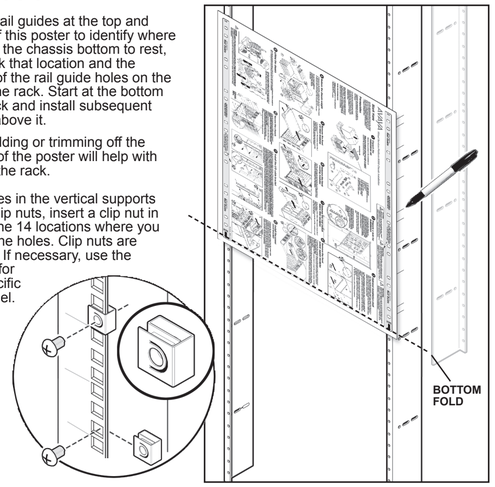
1. I/O Cable Bracket (1)
2. I/O Cable Bracket Z Extensions (3)
3. Screws (28)
4. Bolts (16)
5. Clip Nuts (16)
6. AC Power Cord Bracket (1)
7. Anti Static Wrist Strap (1)
8. Installation Shelf (1)
9. DB9 to DB9 Serial Cable (1)

2 Prepare a rack for installation

1. Use the rail guides at the top and bottom of this poster to identify where you want the chassis bottom to rest, then mark that location and the location of the rail guide holes on the front of the rack. Start at the bottom of the rack and install subsequent chassis above it.

   Note: Folding or trimming off the margins of the poster will help with marking the rack.

2. If the holes in the vertical supports require clip nuts, insert a clip nut in each of the 14 locations where you marked the holes. Clip nuts are included. If necessary, use the clip nuts for your specific rack model.

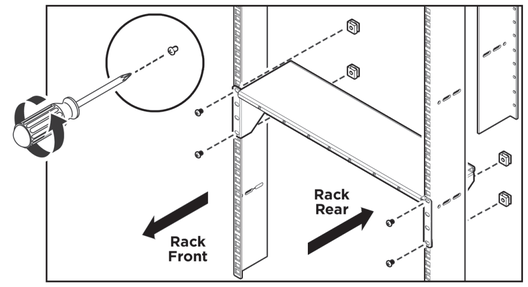


3 Optional installation shelf

You may use the installation shelf if you install the chassis in a rack. Using the installation shelf is optional. You can mount a chassis on top of another Virtual Services Platform 9012 chassis instead of using an installation shelf.

1. Place the installation shelf at the mark on the rack, *inside the rails*. Hold the installation shelf in position, and then align the mounting rail with the two holes on each side of the vertical rack support.
2. Insert a Phillips screw through each installation shelf mounting hole and into the corresponding hole in the rack.
3. If using hex nuts, add a nut to each screw and tighten using a hex wrench.
4. Tighten each screw with a Phillips screwdriver.

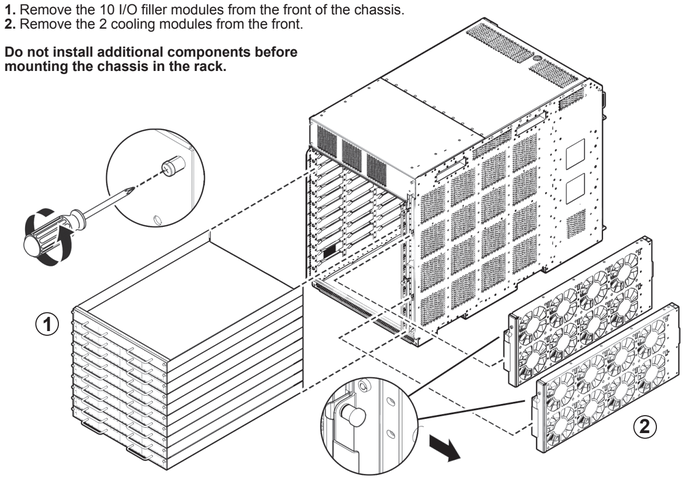
FOLD



4 Reduce the chassis weight

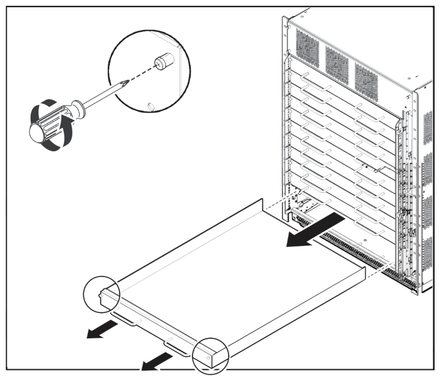
1. Remove the 10 I/O filler modules from the front of the chassis.
2. Remove the 2 cooling modules from the front.

Do not install additional components before mounting the chassis in the rack.



5 Remove the front I/O filler modules

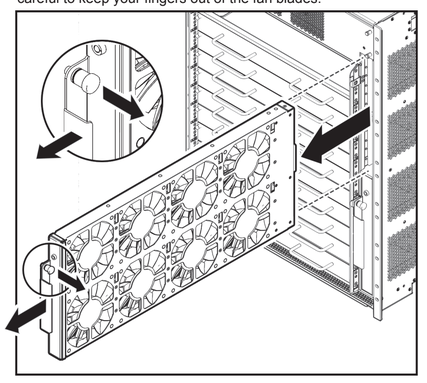
1. To unseat an I/O filler module, loosen the 2 captive screws.
2. Grasp the two handles and gently pull the module out and away from the chassis.



6 Remove the front cooling modules

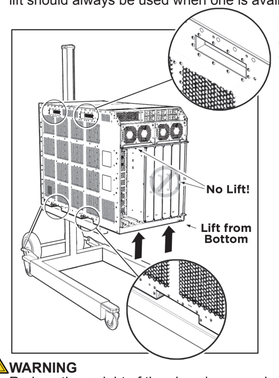
Pull the retaining pin that holds the cooling modules in place, while gently pulling the module's handle to move a module out and away from the chassis.

WARNING
Remove the cooling modules using the provided handles. Be careful to keep your fingers out of the fan blades.

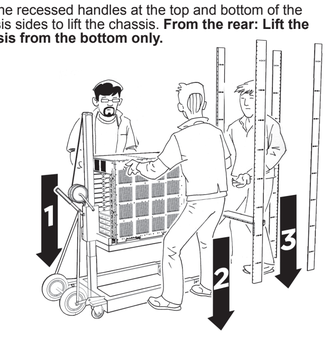


7 Lifting the chassis

The chassis weighs in excess of 160 lb (73 kg) and requires a **minimum of three people to lift**. A mechanical lift should always be used when one is available.



Use the recessed handles at the top and bottom of the chassis sides to lift the chassis. **From the rear: Lift the chassis from the bottom only.**

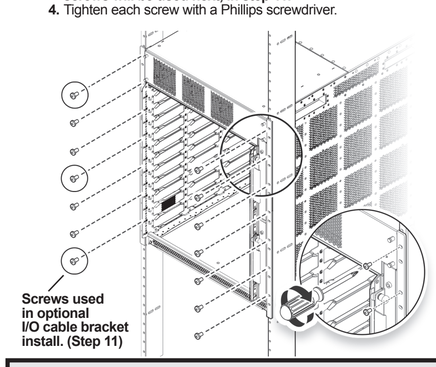


WARNING
Reduce the weight of the chassis as much as possible before lifting it. **Always use a mechanical lift when one is available.** Ensure you have at least three people to lift the chassis. Use a third person to support the chassis from behind the rack, as you position the chassis on the shelf and hold it in place. Take care to lift the chassis from the bottom.

NOTE: If you have chosen to remove the Switch Fabric modules prior to mounting the chassis, please make sure you have populated slots 1 & 4 first when reinstalling the SF modules.

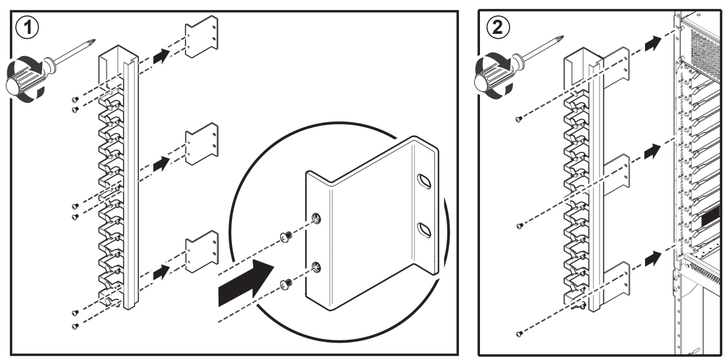
8 Secure the chassis

1. Hold the Virtual Services Platform 9012 chassis in position and align the flanged end of the chassis mounting bracket with the holes on either side of the vertical rack support.
2. Ensure that the 7 hole pairs on either side of the rack vertical supports match horizontally.
3. Insert 4 Phillips screws through each hole on the mounting bracket in the 7 screw positions in the flange and rack. **If you'll be installing the optional I/O cable bracket then don't insert screws into the top (1st), middle (4th) and bottom (7th) screw positions of the left side flange and rack. Those screws will be used next, in step 11.**
4. Tighten each screw with a Phillips screwdriver.



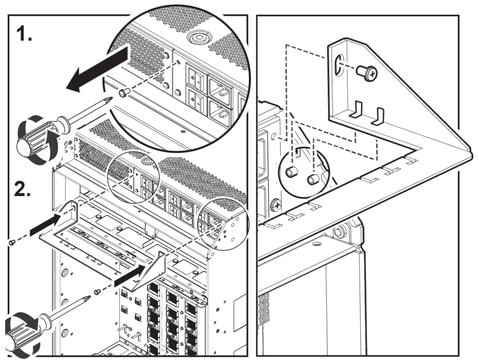
9 Assemble and Install the I/O cable bracket

1. ***Do not attach any cables until after the bracket installation***. Attach the three 'Z' brackets to the vertical cable bracket as shown below using 6 of the screws provided. Nuts are not required since the 'Z' brackets are already threaded on one side for connection to the I/O cable bracket using screws alone.
2. Use 3 Phillips screws to fasten the I/O cable management assembly to the top, middle and bottom screw positions of the left flange and rail.



10 Install the power cord bracket

1. Remove the two upper screws from the power cable receptacle panel on the rear of the chassis.
2. Position the power cable bracket notches over the chassis positioning studs and re-use the two screws you removed to fasten the power cable bracket as shown. ***Do not attach any cables until after the bracket installation.***



11 Power supply modules

NOTE: It is required to install the first power supply module in the top row, progressing left to right, and in this order, PS 1, PS 2, PS 3. Then on the bottom row, progressing left to right, in this order, PS4, PS5, PS 6. This will ensure the power supplies operate properly. This will also ensure that the power supplies are in the same numerical order to match with the power switches and their markings as found on the rear of the chassis.

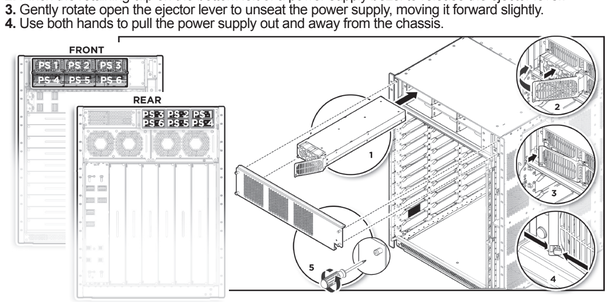
Installation:

1. The power supplies only install one way. They are blocked to prevent any accidental upside down installation. **If you meet resistance while attempting to insert a module, then you've got a module upside down.** Use two hands and carefully slide the power supply in until the lever contacts the chassis.
2. Then gently rotate the lever closed to seat the power supply and engage the retaining clip.
3. Replace the chassis power supply cover and tighten the four captive screws to hold it in place.

Removal:

1. Loosen the four captive screws on the power supply cover and remove it.
2. Pinch the retaining clip on the bottom left of a power supply bezel to release the ejector lever.
3. Gently rotate open the ejector lever to unseat the power supply, moving it forward slightly.
4. Use both hands to pull the power supply out and away from the chassis.

FOLD



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