



Installation Roadmap Overview

This chapter provides details on installation steps and references to prepare Cisco Carrier Routing System (CRS) 16-Slot Line Card Chassis (LCC) Enhanced Router for operation.

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Installation Roadmap

This table lists the steps to install the chassis component and prepare the Cisco CRS Enhanced 16-Slot Line Card Chassis (LCC) for operation. Use the table as a checklist to ensure that all components are properly installed in the correct order. For information about a task, see the appropriate section of this installation guide.

Table 1: Overview of Installation Steps

Installation Steps	Reference
1 Verify that the chassis is securely bolted to the floor.	Cisco CRS Enhanced 16-Slot Line Card Chassis Unpacking, Moving, and Securing Guide
1 Un-cradle and install the upper power shelf bus bar.	“Installing the Power A Bus Bar” section on page 3-9
1 Remove the exhaust air deflector from the rear of the chassis.	“Removing the Exhaust Air Deflector” section on page 7-45
1 Ground the chassis.	“Installing the Chassis Ground Cable” section on page 3-17 .
1 Install both AC or DC power shelves in the chassis.	“Installing an AC or DC Power Shelf” section on page 3-20 .

Installation Steps	Reference
1 Install AC cables or DC wiring on upper power shelf.	“Installing AC or DC Power Shelf Wiring” section on page 3-25 .
1 Install AC cables or DC wiring on lower power shelf.	“Installing AC or DC Power Shelf Wiring” section on page 3-25 .
1 Reinstall the exhaust air deflector.	“Installing the Exhaust Air Deflector” section on page 3-31
1 Install alarm modules in both power shelves.	“Installing an Alarm Module” section on page 3-34 .
1 Install power modules in both power shelves.	“Installing a Power Module” section on page 3-38 .
1 Power up the chassis and verify basic chassis operation.	“Power Up a Chassis” section on page 3-43 .
1 Install default or optional external cosmetic components on the front (PLIM) side of the chassis.	“Installing the Front (PLIM) Side Exterior Cosmetic Components” section on page 5-5
1 Install external cosmetic components on the rear (MSC) side of the chassis.	“Installing the Rear (MSC) Side Cosmetic Components” section on page 5-16
1 Install line cards and PLIMs and route cables.	Chapter 6, “Installing Line Cards, PLIMs, and Associated Components”

**Note**

For removal and replacement procedures, see [Chapter 7, “Removing Chassis Components.”](#)
