



Preface

This installation guide describes how to install power, air circulation, line card, and exterior components into and remove them from a Cisco CRS 8-Slot Line Card Chassis Enhanced router. This installation guide does not provide background information and basic theory-of-operation for anyone wanting to understand the Cisco CRS 8-Slot Line Card Chassis Enhanced router.

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Audience

This document is intended for those who unpack the Cisco NCS 6000 Series chassis and Cisco installation partners who are responsible for moving and securing the Cisco NCS 6000 Series chassis. No additional knowledge of routing or the Cisco IOS XR software is assumed.

Documentation Conventions

This document uses the following conventions:

Convention	Description
bold font	Commands and keywords and user-entered text appear in bold font .
<i>Italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[]	Elements in square brackets are optional.
{x y z}	Required alternative keywords are grouped in braces and separated by vertical bars.

Convention	Description
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
<code>courier font</code>	Terminal sessions and information the system displays appear in <code>courier font</code> .
	Indicates a variable for which you supply values, in context where italics cannot be used.
<>	Nonprinting characters such as passwords are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.



Note *Means reader take note.* Notes contain helpful suggestions or references to material not covered in the manual.



Tip *Means the following information will help you solve a problem.* The tips information might not be troubleshooting or even an action, but could be useful information, similar to a Timesaver.



Caution *Means reader be careful.* In this situation, you might perform an action that could result in equipment damage or loss of data.



Warning IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device.

SAVE THESE INSTRUCTIONS



Warning Statements using this symbol are provided for additional information and to comply with regulatory and customer requirements.

Related Documentation

For complete planning, installation, and configuration information, see the following documents that are available on Cisco.com at the following URL:

<http://www.cisco.com/c/en/us/support/routers/network-convergence-system-6000-series-router/products-installation-guides-list.html>

- *Cisco Network Convergence System 6000 Series Routers Site Planning Guide*
- *Cisco Network Convergence System 6000 Series Routers Unpacking, Moving, and Securing Guide*
- *Cisco Network Convergence System 6000 Fabric Card Chassis Hardware Installation Guide*
- *Regulatory Compliance and Safety Information for the Cisco Network Convergence System 6000 Series Routers*

Changes to This Document

This table lists the technical changes made to this document since it was first created.

Table 1: Changes to This Document

Date	Summary
May 2016	Add support for NC6-LC-BLANK2= impedance card.
March 2015	Updated “Installing Fabric Cards” procedure in Chapter 5.
September 2014	Cable management brackets now ship preinstalled on the chassis. Updated procedures to reflect change. Reorganized document for better usability.
January 2014	Added support for the 60-Port 10Gbps Line Card with SFP+ Optics Module (Lean Core [NC6-60X10GE-L-S] and Multi-Service Core [NC6-60X10GE-M-S]).
September 2013	Initial release of this document. This document introduces the Cisco NCS 6008 8-Slot Line Card Chassis.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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