



## About This Guide

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**Updated: January 18, 2017**

This guide describes how to install and maintain the Cisco Firepower Management Center appliances. Information in this guide applies to the 750, 1500, 2000, 3500, and 4000 models.

This preface includes the following sections:

[Organization, page vii](#)

[Document Conventions, page viii](#)

[Installation Warnings, page viii](#)

[Where to Find Safety and Warning Information, page xi](#)

[Related Documentation, page xi](#)

[Obtaining Documentation and Submitting a Service Request, page xi](#)

## Organization

This guide is organized as follows:

Chapter	Title	Description
Chapter 1	<a href="#">About the Firepower Management Centers</a>	Provides an overview of the Firepower Management Center models.
Chapter 2	<a href="#">Hardware Specifications</a>	Describes the hardware specifications for the Firepower Management Center models.
Chapter 3	<a href="#">Installing a Firepower Management Center</a>	Describes how to install a Firepower Management Center server in a rack, how to connect the management interface, and how to power on the chassis.
Chapter 4	<a href="#">Deploying on a Management Network</a>	Describes Firepower System deployment options available to accommodate the needs of unique network architectures.
Appendix A	<a href="#">Memory Upgrade Instructions for Firepower Management Centers</a>	Provides instructions to replace the memory modules located internally in your Cisco Firepower Management Centers.

# Document Conventions

This document uses the following conventions:

Convention	Indication
<b>bold type</b>	Commands and keywords and user-entered text appear in <b>bold</b> type.
<i>italic type</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic</i> type.
[ ]	Elements in square brackets are optional.
{ x   y   z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[ x   y   z ]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	An unquoted set of characters. Do not use quotation marks around the string, or the string will include the quotation marks.
monospace type	Terminal sessions and information the system displays appear in monospace type.
<b>monospace bold type</b>	Commands and keywords and user-entered text appear in <b>monospace courier</b> type.
<i>monospace italic type</i>	Arguments for which you supply values are in <i>monospace italic</i> type.
< >	Non-printing characters such as passwords are presented in angle brackets.
[ ]	Default responses to system prompts are presented in square brackets.
!, #	An exclamation point (!) or a hash sign (#) at the beginning of a line of code indicates a comment line.



## Note

Means *reader take note*.



## Tip

Means *the following information will help you solve a problem*.



## Caution

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

# Installation Warnings

Be sure to read the Regulatory Compliance and Safety Information document (<http://www.cisco.com/c/en/us/td/docs/security/firesight/hw-docs/regulatory/compliance/firesight-firepower-rcsi.html>) before installing the device.

This section presents these important safety warnings:

- [Power Supply Disconnection Warning](#), page ix
- [Jewelry Removal Warning](#), page ix
- [Wrist Strap Warning](#), page ix
- [Work During Lightning Warning](#), page ix
- [Installation Instructions Warning](#), page ix
- [Chassis Warning for Rack-Mounting and Servicing](#), page x
- [Short-Circuit Protection Warning](#), page x
- [SELV Circuit Warning](#), page x
- [Ground Conductor Warning](#), page x
- [Faceplates and Cover Panels Warning](#), page x
- [Product Disposal Warning](#), page x
- [Compliance with Local and National Electrical Codes Warning](#), page x
- [Grounded Equipment Warning](#), page xi
- [Safety Cover Requirement](#), page xi

### Power Supply Disconnection Warning



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**Before working on a chassis or working near power supplies, unplug the power cord on AC units; disconnect the power at the circuit breaker on DC units.** Statement 12

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### Jewelry Removal Warning



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**Before working on equipment that is connected to a power source, remove jewelry (including rings, necklaces, and watches). Metal objects will heat when connected to power and ground, and can cause serious burns or weld the metal object to the terminals.** Statement 43

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### Wrist Strap Warning



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**During this procedure, wear grounding wrist straps to avoid ESD damage to the card. Do not directly touch the backplane with your hand or any metal tool, or you could receive a shock.** Statement 94

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### Work During Lightning Warning



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**Do not work on the system, or connect or disconnect cables during periods of lightning.** Statement 1001

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### Installation Instructions Warning



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**Read all installation instructions before connecting the system to a power source.** Statement 1004

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### Chassis Warning for Rack-Mounting and Servicing

**Warning**

To prevent bodily injury when mounting or servicing this unit in a rack, you must take special precautions to ensure that the system remains stable. The following guidelines are provided to ensure your safety: This unit should be mounted at the bottom of the rack if it is the only unit in the rack. When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack. If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack.

Statement 1006

### Short-Circuit Protection Warning

**Warning**

This product requires short-circuit (overcurrent) protection, to be provided as part of the building installation. Install only in accordance with national and local wiring regulations. Statement 1045

### SELV Circuit Warning

To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. LAN ports contain SELV circuits, and WAN ports contain TNV circuits. Some LAN and WAN ports both use RJ-45 connectors. Use caution when connecting cables. Statement 1021

### Ground Conductor Warning

**Warning**

This equipment must be grounded. Never defeat the ground conductor, or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority, or an electrician if you are not certain that suitable grounding is available. Statement 1024

### Faceplates and Cover Panels Warning

**Warning**

Blank faceplates and cover panels serve three important functions: they prevent exposure to hazardous voltages and currents inside the chassis; they restrict electromagnetic interference (EMI) that might disrupt other equipment; and they direct the flow of cooling air through the chassis. Do not operate the system unless all cards, faceplates, front covers, and rear covers are in place.

Statements 1029 and 142

### Product Disposal Warning

**Warning**

Ultimate disposal of this product should be handled according to all national laws and regulations.

Statement 1040

### Compliance with Local and National Electrical Codes Warning

**Warning**

Installation of the equipment must comply with local and national electrical codes. Statement 1074

## Grounded Equipment Warning



**This equipment is intended to be grounded. Ensure that the host is connected to earth ground during normal use.** Statement 39

## Safety Cover Requirement



**The safety cover is an integral part of the product. Do not operate the unit without the safety cover installed. Operating the unit without the cover in place will invalidate the safety approvals and pose a risk of fire and electrical hazards.** Statement 117

# Where to Find Safety and Warning Information

For safety and warning information, see the Regulatory Compliance and Safety Information document at the following URL:

<http://www.cisco.com/c/en/us/td/docs/security/firesight/hw-docs/regulatory/compliance/firesight-firepower-rcsi.html>

This RCSI document describes the international agency compliance and safety information for the Cisco Firepower series.

## Related Documentation

For a complete list of the Cisco Firepower series documentation and where to find it, see the documentation roadmap at the following URL:

<http://www.cisco.com/c/en/us/td/docs/security/firepower/roadmap/firepower-roadmap.html>

## 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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