About This Guide

Updated: July 22, 2016

This guide describes how to install and maintain the Cisco Firepower 8000 Series appliances. Information in this guide applies to the Cisco 80xx Family, 81xx Family, and the 83xx Family models.

This preface includes the following sections:

Organization

This guide is organized as follows:

Chapter	Title	Description
Chapter 1	About the Firepower 8000 Series	Provides an overview of the devices included in the 8000 Series.
Chapter 2	Hardware Specifications	Describes the hardware specifications for the Firepower 8000 Series models.
Chapter 3	Installing a Firepower 8000 Series Device	Describes how to install a Firepower 8000 Series device in a rack, how to connect the management interface, and how to power on the chassis.
Chapter 4	Using the LCD Panel on a Firepower Device	Describes how to view device information or configure certain settings using an LCD panel on the front of the device instead of the system's web interface.
Chapter 5	Deploying on a Management Network	Describes Firepower System deployment options available to accommodate the needs of unique network architectures.

Chapter	Title	Description
Chapter 6	Deploying Firepower Managed Devices	Describes how different sensing interfaces affect the capabilities of the Firepower System, including passive, inline, routed, switched, and hybrid interfaces.
Appendix A	Power Requirements for Firepower 8000 Series Devices	Describes AC and DC power requirements for Firepower 8000 Series devices.
Appendix B	Inserting and Removing Firepower 8000 Series Modules	Describes how to insert a new module or how to remove or replace a preinstalled module in Firepower 8000 Series devices.
Appendix C	Installing a Malware Storage Pack	Describes how to install a malware storage pack in Firepower 8000 Series devices.

Document Conventions

This document uses the following conventions:

Convention	Indication
bold type	Commands and keywords and user-entered text appear in **bold** type.
italic type	Document titles, new or emphasized terms, and arguments for which you supply values are in *italic* 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.
monospace bold type	Commands and keywords and user-entered text appear in **monospace courier** type.
monospace italic type	Arguments for which you supply values are in *monospace italic* 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 vii
- Jewelry Removal Warning, page vii
- Wrist Strap Warning, page viii
- Work During Lightning Warning, page viii
- Installation Instructions Warning, page viii
- Chassis Warning for Rack-Mounting and Servicing, page viii
- Short-Circuit Protection Warning, page viii
- SELV Circuit Warning, page viii
- Ground Conductor Warning, page viii
- Faceplates and Cover Panels Warning, page ix
- Product Disposal Warning, page ix
- Compliance with Local and National Electrical Codes Warning, page ix
- Grounded Equipment Warning, page ix
- Safety Cover Requirement, page ix

Power Supply Disconnection Warning

⚠

Warning   **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

Jewelry Removal Warning

⚠

Warning   **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

Wrist Strap Warning

⚠️
Warning **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

Work During Lightning Warning

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

Installation Instructions Warning

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

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

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

Warning **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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