



# About This Guide

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## Document Objectives

This guide describes how to install and maintain the Cisco ASA 5500-X series appliances. Information in this guide applies to the following Cisco ASA 5500-X Series models: ASA 5512-X, ASA 5515-X, ASA 5525-X, ASA 5545-X, and ASA 5555-X. References to “Cisco ASA 5500-X Series” and “ASA” apply to all previously listed models unless specifically noted otherwise.

## Document Conventions

This document uses the following conventions:

Convention	Indication
<b>bold font</b>	Commands and keywords and user-entered text appear in <b>bold font</b> .
<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.
[ 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> .
<b><code>courier bold font</code></b>	Commands and keywords and user-entered text appear in <b><code>courier bold font</code></b> .
<i><code>courier italic font</code></i>	Arguments for which you supply values are in <i><code>courier italic font</code></i> .
< >	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*.



#### 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 at before installing the chassis. This document contains important safety information. This section includes the following warnings:

- [Power Supply Disconnection Warning, page ix](#)
- [Jewelry Removal Warning, page ix](#)
- [Wrist Strap Warning, page ix](#)
- [More than One Power Supply Warning, page ix](#)
- [Work During Lightning Activity Warning, page ix](#)
- [Installation Instructions Warning, page x](#)
- [Chassis Warning for Rack-Mounting and Servicing, page x](#)
- [SELV Circuit Warning, page x](#)
- [Ground Conductor Warning, page x](#)
- [Blank Faceplates and Cover Panels Warning, page x](#)
- [Product Disposal Warning, page x](#)
- [Short-Circuit Protection Warning, page xi](#)

- [Compliance with Local and National Electrical Codes Warning, page xi](#)
- [DC Power Connection Warning, page xi](#)
- [AC Power Disconnection Warning, page xi](#)
- [TN Power Warning, page xi](#)
- [48 VDC Power System, page xi](#)
- [Multiple Power Cord, page xi](#)
- [Circuit Breaker \(15A\) Warning, page xi](#)
- [Grounded Equipment Warning, page xii](#)
- [Safety Cover Requirement, page xii](#)
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### Power Supply Disconnection Warning



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



Warning

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**Before working on equipment that is connected to power lines, remove jewelry (including rings, necklaces, and watches). Metal objects will heat up 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



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 shock yourself.** Statement 94

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### More than One Power Supply Warning



Warning

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**This unit has more than one power supply connection; all connections must be removed completely to completely remove power from the unit.** Statement 102

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### Work During Lightning Activity Warning



Warning

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

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## Installation Instructions Warning



Warning

**Read the installation instructions before connecting the system to the 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

## SELV Circuit Warning



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 uncertain that suitable grounding is available.** Statement 1024

## Blank 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 contain 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.** Statement 1029

## Product Disposal Warning



Warning

**Ultimate disposal of this product should be handled according to all national laws and regulations.** Statement 1040

## 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

## Compliance with Local and National Electrical Codes Warning



Warning

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

## DC Power Connection Warning



Warning

**After wiring the DC power supply, remove the tape from the circuit breaker switch handle and reinstate power by moving the handle of the circuit breaker to the ON position.** Statement 8

## AC Power Disconnection Warning



Warning

**Before working on a chassis or working near power supplies, unplug the power cord on AC units.** Statement 246

## TN Power Warning



Warning

**The device is designed to work with TN power systems.** Statement 19

## 48 VDC Power System



Warning

**The customer 48 volt power system must provide reinforced insulation between the primary AC power and the 48 VDC output.** Statement 128

## Multiple Power Cord



Warning

**This unit has more than one power cord. To reduce the risk of electric shock when servicing a unit, disconnect the power cord of the power strip that the unit is plugged into.** Statement 137

## Circuit Breaker (15A) Warning



Warning

**This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that a fuse or circuit breaker no larger than 120 VAC, 15A U.S. (240 VAC, 10A international) is used on the phase conductors (all current-carrying conductors).** Statement 13

## 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

## Faceplates and Cover Panel Requirement



Warning

**Blank faceplates and cover panels serve three important functions: they prevent exposure to hazardous voltages and currents inside the chassis; they contain 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.** Statement 142

# 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/en/US/docs/security/asa/roadmap/asaroadmap.html#wp57708>

This RCSI document describes the international agency compliance and safety information for the Cisco ASA 5500-X series. It also includes translations of the safety warnings used in this guide.

## Related Documentation

For a complete list of the Cisco ASA 5500-X series documentation and where to find it, see the documentation roadmap at the following URL:

<http://www.cisco.com/en/US/docs/security/asa/roadmap/asaroadmap.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/en/US/docs/general/whatsnew/whatsnew.html>.

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