

Cisco ASA 5516-X

Cisco ASA 5516-X Firewall User Manual

Comprehensive Guide for Installation, Configuration, and Operation

INTRODUCTION

This manual provides essential information for the installation, configuration, and operation of your Cisco ASA 5516-X Adaptive Security Appliance. The ASA 5516-X is a high-performance, threat-focused next-generation firewall (NGFW) designed to deliver robust security for your network infrastructure. Please read this manual thoroughly before operating the device.



Figure 1: Front view of the Cisco ASA 5516-X Adaptive Security Appliance. This image displays the compact 1U rack-mountable chassis, featuring the Cisco logo on the left, status indicator lights (USB, Active, Status, Power) in the center, and a red label with "ASA 5516-X" on the right side of the vented panel.

KEY FEATURES

- **Threat-Focused NGFW:** Integrates ASA firewall functionality with advanced threat protection, detection, and remediation capabilities.
- **Network Connectivity:** Offers rich routing, stateful firewall, Network Address Translation (NAT), and dynamic clustering for high-performance and secure access.
- **VPN Support:** Provides reliable access with Cisco AnyConnect VPN.
- **Advanced Threat Prevention:** Superior mitigation for both known and unknown threats.
- **Malware Protection:** Detection, blocking, tracking, analysis, and remediation against targeted and persistent malware attacks.
- **Policy Enforcement:** Granular control based on visibility of users, mobile devices, client-side

applications, virtual machine communication, vulnerabilities, threats, and URLs.

PACKAGE CONTENTS

Verify that your package contains the following items:

- Cisco ASA 5516-X Adaptive Security Appliance
- Power Cord
- Rack-mount Kit (if applicable)
- Console Cable (RJ-45 to DB-9)
- Documentation (Quick Start Guide, Safety Information)

If any items are missing or damaged, please contact your vendor or Cisco support immediately.

SAFETY INFORMATION

WARNING:

- Always disconnect power before installing or removing the device.
- Ensure proper grounding to prevent electrical shock.
- Do not operate the device in environments with excessive heat, humidity, or dust.
- Only use the power supply provided or approved by Cisco.
- Refer to local and national electrical codes for installation requirements.

SETUP AND INSTALLATION

1. Site Preparation

1. Ensure adequate ventilation around the device.
2. Provide a stable, level surface for placement or a standard 19-inch equipment rack.
3. Verify that the power source meets the device's requirements.

2. Physical Installation

1. **Rack Mounting (Optional):** Attach the provided rack-mount brackets to the sides of the ASA 5516-X using the supplied screws. Secure the device into the rack.
2. **Connect Network Cables:** Connect your network cables to the appropriate Ethernet ports (8GE Data, 1GE Mgmt) on the rear panel. Refer to the port labels for specific functions.
3. **Connect Console Cable:** For initial configuration, connect the console cable from your management workstation to the console port on the device.
4. **Connect Power:** Connect the power cord to the device and then to a grounded electrical outlet.

3. Initial Power On

After connecting all cables, press the power button (if present) or ensure the power switch is in the 'On' position. Observe the power and status indicator LEDs on the front panel. The device will perform a power-on self-test (POST).

OPERATING INSTRUCTIONS

Accessing the Device

The Cisco ASA 5516-X can be managed via the command-line interface (CLI) through the console port or SSH, or via the Adaptive Security Device Manager (ASDM) graphical user interface (GUI).

- **CLI Access:** Use a terminal emulator (e.g., PuTTY, Tera Term) with the following settings: 9600 baud, 8 data bits, no parity, 1 stop bit, no flow control.
- **ASDM Access:** Once basic network configuration is complete, access ASDM via a web browser by navigating to the device's management IP address.

Basic Configuration

Initial configuration typically involves setting up network interfaces, defining security policies, and configuring user access. Refer to the Cisco ASA documentation for detailed configuration guides specific to your deployment needs.

- Configure IP addresses for interfaces.
- Define access control lists (ACLs) to control traffic flow.
- Set up NAT rules for internet access.
- Enable and configure FirePOWER services for advanced threat protection.

MAINTENANCE

- **Software Updates:** Regularly check for and apply the latest Cisco ASA and FirePOWER software updates to ensure optimal performance and security.
- **Configuration Backups:** Periodically back up your device configuration to an external storage location.
- **Monitoring:** Monitor device logs and performance metrics for any unusual activity or potential issues.
- **Physical Inspection:** Ensure proper airflow and keep the device free from dust accumulation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Power cord disconnected, faulty power supply, power outlet issue.	Verify power cord connection, test power outlet, contact support if power supply is suspected faulty.

Problem	Possible Cause	Solution
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Cannot access device via console.	Incorrect console cable, incorrect terminal emulator settings.	Ensure correct RJ-45 to DB-9 console cable is used. Verify terminal settings: 9600 baud, 8 data bits, no parity, 1 stop bit, no flow control.
Network connectivity issues.	Incorrect interface configuration, firewall rules blocking traffic, cable issues.	Check interface IP addresses and subnet masks. Review ACLs and security policies. Verify network cable integrity.

For more advanced troubleshooting, consult the official Cisco documentation or contact Cisco Technical Assistance Center (TAC).

SPECIFICATIONS

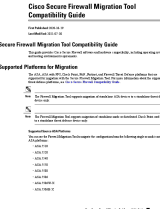
Feature	Detail
Model	Cisco ASA 5516-X
Form Factor	1U Rack-mountable
Firewall Throughput	Up to 850 Mbit/s
Interfaces	8 x Gigabit Ethernet Data, 1 x Gigabit Ethernet Management
Storage	100 GB mSATA SSD
Dimensions (H x W x D)	1.75 x 17.44 x 12.4 inches (4.45 x 44.3 x 31.5 cm)
Weight	12.2 pounds (5.53 kg)
Power Supply	AC (Alternating Current)
Encryption Standard	DES (Data Encryption Standard) - <i>Note: Modern deployments typically use AES.</i>

WARRANTY AND SUPPORT

This product is offered as a renewed item. For specific warranty details and support related to renewed products, please refer to the Amazon Renewed Guarantee or contact your vendor. For technical support and documentation related to the Cisco ASA 5516-X, please visit the official Cisco support website:

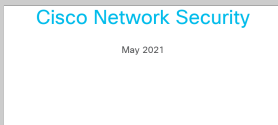
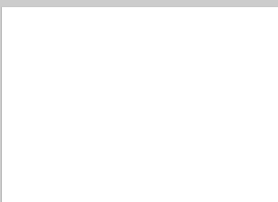
- [Cisco ASA 5500-X Series Support](#)

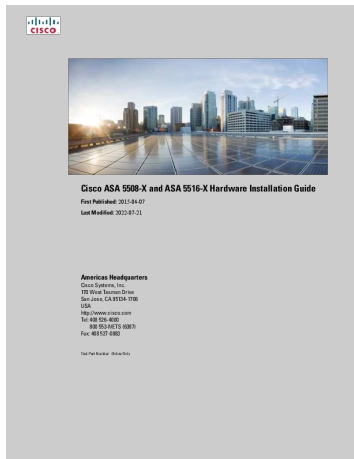
Related Documents - ASA 5516-X

 ASDM Quick Start: Cisco ASA Series General Operations ASDM Configuration Guide Updated October 5, 2016	Cisco ASA Series General Operations ASDM Configuration Guide Comprehensive guide detailing the configuration of Cisco ASA Series devices using the Adaptive Security Device Manager (ASDM), covering general operations, setup, interfaces, security policies, VPNs, and more.
 Cisco ASA Compatibility Updated October 5, 2016	Cisco ASA Compatibility Guide: Software and Hardware Matrix Comprehensive compatibility guide for Cisco ASA (Adaptive Security Appliance) software and hardware, including ASDM, FXOS, ASAv, Firepower, and various modules. Updated October 5, 2016.
 Cisco Firepower Threat Defense Configuration Guide for Firepower Device Manager v6.2.2 Updated October 5, 2016	Cisco Firepower Threat Defense Configuration Guide for Firepower Device Manager v6.2.2 Comprehensive guide for configuring Cisco Firepower Threat Defense devices using Firepower Device Manager (FDM) version 6.2.2. Covers initial setup, network interfaces, routing, security policies, licensing, monitoring, and VPNs for network security administrators.
 Cisco Secure Firewall Migration Tool Compatibility Guide Updated October 5, 2016	Cisco Secure Firewall Migration Tool Compatibility Guide This guide provides Cisco Secure Firewall software and hardware compatibility, including operating system and hosting environment requirements for migrating from various firewall platforms to Cisco Secure Firewall.
 Reset the Password of the Admin User on a Cisco Firepower System Updated October 5, 2016	Reset Admin Password for Cisco Firepower System Comprehensive guide on how to reset the admin password for various Cisco Firepower system components, including Firepower Threat Defense (FTD), ASA FirePOWER Services modules, Firepower Management Centers (FMC), and NGIPSv devices. Covers procedures for lost passwords, CLI and web interface access, and different device models.

 Cisco Firepower 2100 Getting Started Guide First Published: 2015-01-07 Last Modified: 2015-01-07 Americas Headquarters Cisco Systems, Inc. 170 West Tasman Drive San Jose, CA 95134-1706 USA Tel: 408 526-4000 800 553-NETS (6387) Fax: 408 527-0883	Cisco Firepower 2100 Getting Started Guide A comprehensive guide to setting up and configuring the Cisco Firepower 2100 series network security appliance, covering initial deployment, management options, and basic security policies.
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Documents - Cisco – ASA 5516-X

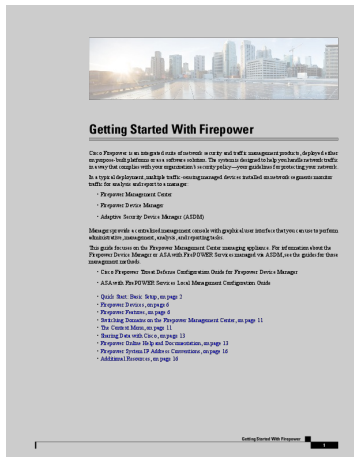
 Cisco Network Security May 2021 © 2021 Cisco and/or its affiliates. All rights reserved. Page 1 of 116	[pdf] Instructions Frequently Asked Questions Guide Cisco Network Security Ordering Guide RR Donnelley cisco c enCisco For purchasing information on AnyConnect licenses or instructions sharing an license with your Smart Account please see the Instructions can also be found in License FAQ guide c07 737902 en us products collateral security firepower ngfw Ordering guide Cisco public Cisco Network Security May 2021 2021 Cisco and/or its affiliates. All ... ASA 5508-X with Threat Defense software, 8 GE Data, 1 GE Management, AC, 3DES/AES ASA5516-FTD-K9 ASA 5516-X with Threat Defense software, 8 GE Data, 1 GE Management, AC, 3DES/AES ASA5525-FTD-K9 A... lang:en score:45 filesize: 3.74 M page_count: 116 document date: 2021-06-08
	[pdf] Confidentiality Request Letter Cisco Firepower Threat Defense Software on Select ASA Hardware and with FirePOWER Services Ordering Guide ASA5506 SEC BUN K9 manual ds3comunicaciones cisco files Ordering Guide Cisco Firepower Threat Defense Software on Select ASA Hardware and on Cisco ASA with ... 1 GE Mgmt, AC, 3DES/AES ASA 5508-X with Threat Defense software, 8 GE Data, 1 GE Mgmt, AC, 3DES/AES ASA 5516-X with Threat Defense software, 8 GE Data, 1 GE Mgmt, AC, 3DES/AES ASA 5525-X with Threat D... lang:en score:39 filesize: 2.07 M page_count: 36 document date: 2016-06-01
 Cisco ASA 5508-X and ASA 5516-X Hardware Installation Guide First Published: 2011-04-07 Last Modified: 2021-09-23 Americas Headquarters Cisco Systems, Inc. 170 West Tasman Drive San Jose, CA 95134-1706 USA Tel: 408 526-4000 800 553-NETS (6387) Fax: 408 527-0883 Doc# 913628 - 01000100	[pdf] User Manual Installation Guide Specifications Guide Warranty Cisco ASA 5508 X and 5516 Hardware Installation Guide Unknown b install guide cisco c en us td docs security asa hw maintenance 5508xguide Cisco ASA 5508-X and ASA 5516-X Hardware Installation Guide First Published: 2015-04-07 Last Modified: 2021-09-23 Americas Headquarters Cisco Systems, Inc. 170 West Tasman Drive San Jose, CA 95134-1706 USA http://www.cisco.com Tel: 408 526-4000 800 553-NETS 6387 Fax: 408 527-0883 Text Part Number:... lang:en score:38 filesize: 3.02 M page_count: 32 document date: 2021-09-23



[Cisco ASA 5508-X and ASA 5516-X Hardware Installation Guide](#)

This guide provides detailed instructions for installing the Cisco ASA 5508-X and ASA 5516-X hardware, covering setup, safety, and configuration.

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Getting Started With Firepower Unknown Cisco Manual Pdf introduction to the cisco firepower system c en us td docs security 623 configuration guide fpmc config v623 |||

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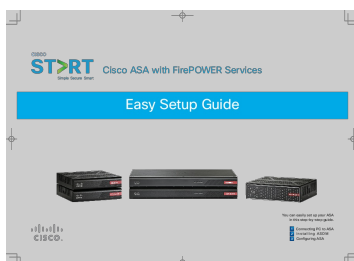
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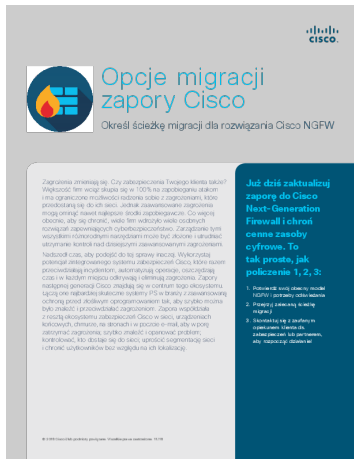


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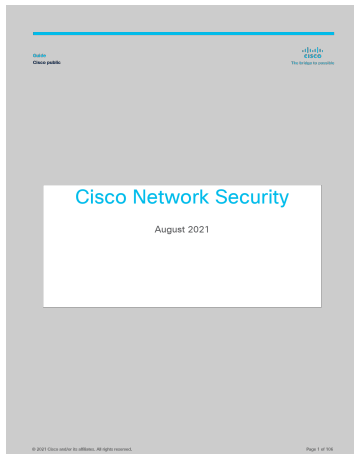
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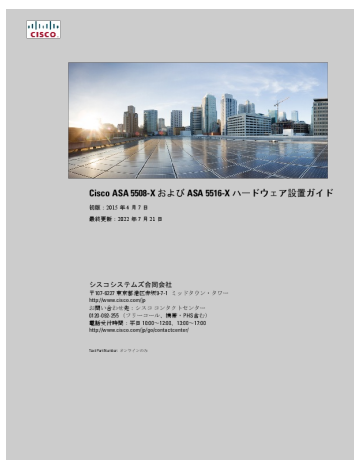
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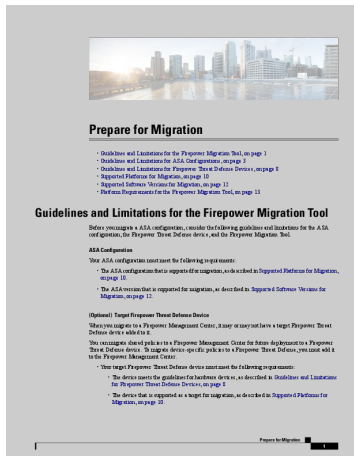
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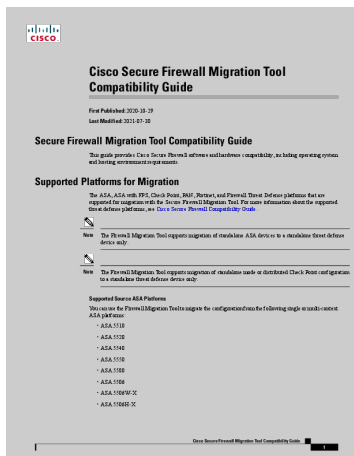


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[Cisco Secure Firewall Migration Tool Compatibility Guide](#)

This guide provides Cisco Secure Firewall software and hardware compatibility, including operating system and hosting environment requirements for migrating from various firewall platforms to Cisco Secure Firewall.

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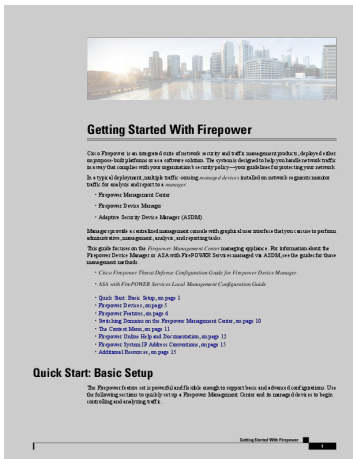


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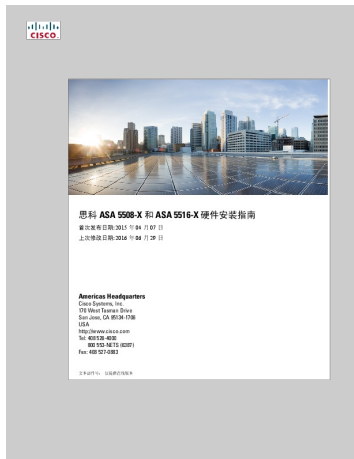
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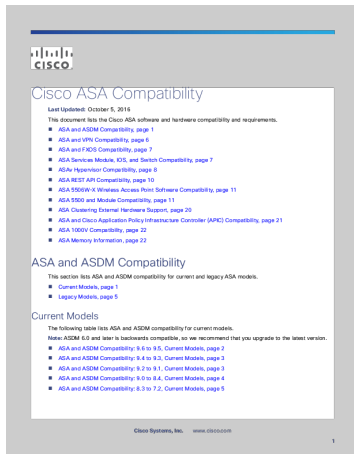


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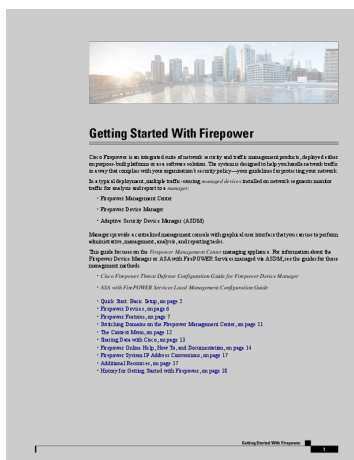
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<http://www.cisco.com> Tel: 408 526-4000 800 553-NETS 6387 Fax: 408 527-0883 THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANU...

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Cisco ASA Compatibility ctsadmin wem p gen Guide Softwareasamatrixaudentia fr cisco asamatrix ||| Cisco ASA Compatibility Last Updated: October 5, 2016 This document lists the Cisco ASA software and ASA 5505 Advanced Inspection and Prevention AIP SSC-5, page 11 ASA 5506-X Series, ASA 5508-X, **ASA 5516-X** FirePOWER Software Module, page 12 ASA 5512-X, 5515-X, 5525-X, 5545-X, 5555-X Modules, p...
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Overview

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About the ASA 5508-X and 5516-X

The Cisco ASA 5508-X and the ASA 5516-X adaptive security appliances are part of the ASA 5500-X of next-generation mid-range ASAs, and are built on the same security platform as the rest of the ASA family.

Your ASA 5508-X and ASA 5516-X ship with either ASA or Firepower Threat Defense software preinstalled. To manage your device, see [Managing the Cisco ASA or Firepower Threat Defense Device](#).

This new generation ASA delivers unprecedented levels of defense against threats to the network with deeper web inspection and flow-specific analysis, improved secure connectivity, vis and point security posture validation, and more advanced intrusion prevention. It also provides enhanced support for multi-tenant environments, security strategy, and cloud-based management, integration, and analytics.

The ASA 5508-X and the ASA 5516-X are a standard 1 RU chassis. To compare the performance metrics and capabilities of the ASA 5508-X, ASA, and Cisco ASA 5508-X Series Next-Generation Firewalls, see [Cisco ASA 5508-X and 5516-X Series Next-Generation Firewalls](#). The ASA 5508-X and 5516-X have been validated for the following security standards certification:

- Federal Information Processing Standards (FIPS) 140-2 for FTD 4.4.4 and ASA 9.12.2

Revision 1.0



Cisco ASA with Firepower Services

かんたんセットアップガイド



本ガイドの手順で ASA を
かんたんにセットアップできます

- 1 接続と PC の接続
- 2 ASDM のインストール
- 3 初期セットアップ
- 4 Umbrella DNS の設定



URL フィルタリング

- [URL フィルタリングの概要](#) (3 ページ)
- [URL フィルタリングのインストールとアップグレード](#) (3 ページ)
- [URL フィルタリングのデフォルトの動作と設定](#) (3 ページ)
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URL フィルタリングの概要

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URL Filtering

- [URL フィルタリングの概要](#) (3 ページ)
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Overview About the ASA 5508-X and 5516-X, on page 1 Package Contents, on page 2 Front Pa ... Power Cord Specifications, on page 8 About the ASA 5508-X and 5516-X The Cisco ASA 5508-X and the **ASA 5516-X** adaptive security appliances are part of the ASA 5500-X of next-generation mid-range ASAs...

lang:en score:30 filesize: 1.99 M page_count: 14 document date: 2022-07-21

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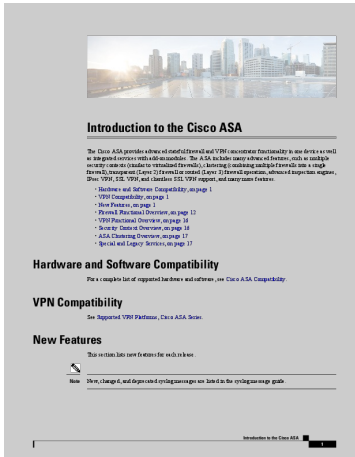
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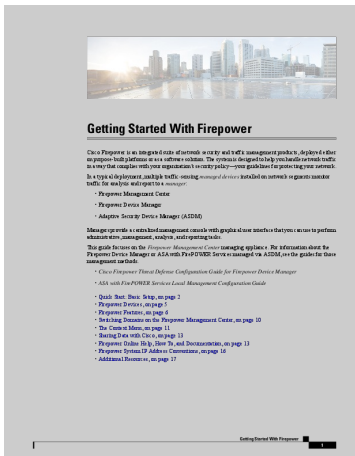
Introduction to the Cisco ASA The Cisco ASA provides advanced stateful firewall and VPN concentrator ... sed: March 30, 2015 Feature Description Platform Features ASA 5506W-X, ASA 5506H-X, ASA 5508-X, **ASA 5516-X** We introduced the ASA 5506W-X with wireless access point, hardened ASA 5506H-X, ASA 5508...
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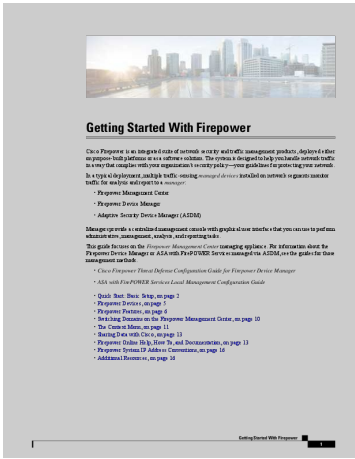
Firepower Cisco Firepower Firepower Management Center Firepower Device Manager Adapti ... e ASA 5508-X/5516-X Firepower Threat DefenseCisco Firepower Threat Defense for the ASA 5508-X and **ASA 5516-X** Using Firepower Management Center Quick Start Guide 4100 Firepower Threat DefenseCisco ...
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Getting Started With Firepower Cisco Firepower is an integrated suite of network security and traffi ... Cisco Firepower 9300 Getting Started Guide Cisco Firepower Threat Defense for the ASA 5508-X and **ASA 5516-X** Using Firepower Management Center Quick Start Guide Cisco Firepower Threat Defense for t...
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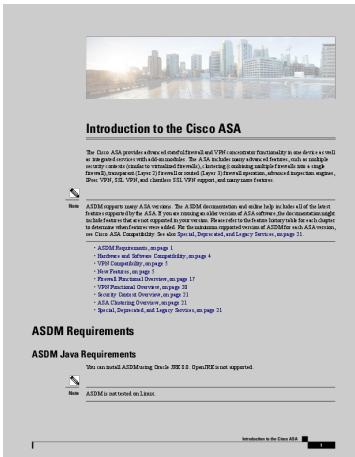


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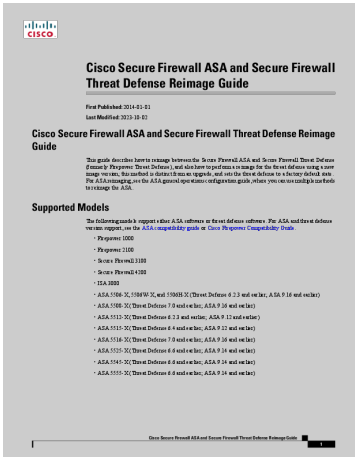


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Introduction to the Cisco ASA The Cisco ASA provides advanced stateful firewall and VPN concentrator ... sed: March 30, 2015 Feature Description Platform Features ASA 5506W-X, ASA 5506H-X, ASA 5508-X, **ASA 5516-X** We introduced the ASA 5506W-X with wireless access point, hardened ASA 5506H-X, ASA 5508...

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Cisco Secure Firewall ASA and Threat Defense Reimage Guide Unknown asa ftd reimage cisco content en us td docs security firepower quick start |||

Cisco Secure Firewall ASA and Secure Firewall Threat Defense Reimage Guide First Published: 2014-01- ... earlier; ASA 9.12 and earlier ASA 5515-X Threat Defense 6.4 and earlier; ASA 9.12 and earlier **ASA 5516-X** Threat Defense 7.0 and earlier; ASA 9.16 and earlier ASA 5525-X Threat Defense 6.6 an...

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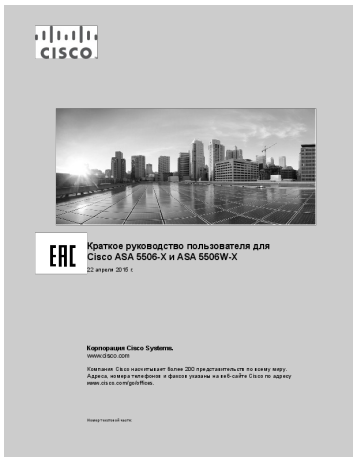
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Cisco ASA 5506-X ASA 5506W-X 22 2015 . Cisco Systems. www.cisco.com Cisco

200 . , , . , IP- . Cisco Systems, 2015, . Cisco ASA 5508-X **ASA 5516-X** : Cisco

ASA 5508-X **ASA 5516-X**, . 1 , . 5 , . 5 , . , . 6 , ...

lang:de **score:21** filesize: 1.38 M page_count: 12 document date: 2016-08-18



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Cisco ASA 5508 X 5516 ctsadmin wem p gen 5508x quick start cisco c ja jp td docs security

asa 5508X |||

Cisco ASA 5508-X **ASA 5516-X** 2015 4 7 2017 1 23 1. 1 2 3 4 5 67 1 ASA 5508-X

ASA 5516-X 3 5 4 12-24 7 4 M4 2 USB A B 4 4 10-32 6 4 M6 353664 Cisco Systems, Inc. www.cisco.com 1 Cisco ASA 5508-X **ASA 5516-X** 2. 2. ASA ASA 5508-X **ASA 5516-X** Stron...

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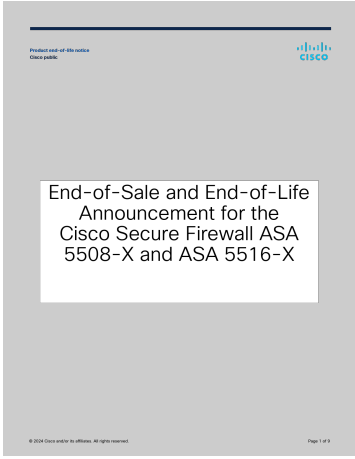


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5508-X **ASA 5516-X** 3 5 4 12-24 7 4 M4 2 USB A B 4 4 10-32 6 4 M6 Cisco Systems,
Inc. www.cisco.com 1 Cisco ASA 5508-X **ASA 5516-X** 2. 2. ASA ASA 5508-X **ASA**
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Product end-of-life notice Cisco public End-of-Sale and End-of-Life Announcement for
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options 3 Cisco exclusives 3 Appendix 4 End-...

lang:en score:21 filesize: 596.2 K page_count: 9 document date: 2024-08-01