Compatibility

These topics provide compatibility information for this Firepower version.

Supported Firepower Management Centers

Firepower Management Center:

- MC 1000, 2500, 4500

- MC 2000, 4000

- MC 750, 1500, 3500

Firepower Management Center Virtual:

- VMware vSphere/VMware ESXi 6.0 and 6.5

- Kernel-based virtual machine (KVM)

- Amazon Web Services (AWS) VPC/EC2

Supported Devices by Manager

You can manage a Firepower device *either* locally (FDM/ASDM) or with a Firepower Management Center. You can use only one management method for a device at a time.

FMC Deployments

Table 1: Supported FTD Devices with FMC

Firepower Threat Defense Platform	Operating System
Firepower 2100 series: • Firepower 2110, 2120, 2130, 2140	6.3.0.2: FXOS 2.4.1.237 6.3.0.1: FXOS 2.4.1.222 Automatic upgrade—bundled.
Firepower 4100/9300 chassis: • Firepower 4110, 4120, 4140, 4150 • Firepower 9300 with SM-24, SM-36, SM-44 modules	6.3.0.2: FXOS 2.4.1.234 6.3.0.1: FXOS 2.4.1.222 Any Version 6.3.0.x patch for these devices can run on FXOS 2.4.1.214. However, to resolve issues, you may need to upgrade FXOS to the version listed for your patch. To help you decide, see the Cisco FXOS Release Notes, 2.4(1). Separate upgrade. Upgrade FXOS first.
ISA 3000 ASA 5500-X series: • ASA 5508-X, 5516-X • ASA 5515-X, 5525-X, 5545-X, 5555-X	6.3.0.2: ASA 9.10(1.12) 6.3.0.1: ASA 9.10(1.8) Automatic upgrade—bundled.
Firepower Threat Defense Virtual: • VMware vSphere/VMware ESXi 6.0 and 6.5 • Kernel-based virtual machine (KVM) • Amazon Web Services (AWS) EC2/VPC • Microsoft Azure Standard D3 and D3_v2	See the documentation for your virtual hosting environment.

Table 2: Supported NGIPS Devices with FMC

NGIPS Platform	Operating System
Firepower 7000/8000 series: • Firepower 7010, 7020, 7030, 7050 • Firepower 7110, 7115, 7120, 7125 • Firepower 8120, 8130, 8140 • Firepower 8250, 8260, 8270, 8290 • Firepower 8350, 8360, 8370, 8390 • AMP 7150, 8050, 8150 • AMP 8350, 8360, 8370, 8390	Firepower. Automatic upgrade—bundled.
ASA with FirePOWER Services: • ISA 3000 • ASA 5508-X, 5516-X • ASA 5515-X, 5525-X, 5545-X, 5555-X • ASA 5585-X-SSP-10, -20, -40, -60	Any of: • ASA 9.5(2), 9.5(3) • ASA 9.6(x) through 9.12(x) There is wide compatibility between ASA and ASA FirePOWER versions. However, even if an ASA upgrade is not strictly required, resolving issues may require an upgrade to the latest supported version. Separate upgrade. See the Cisco ASA Upgrade Guide for order of operations.
NGIPSv: • VMware vSphere/VMware ESXi 6.0 and 6.5	See the documentation for your virtual hosting environment.

FDM Deployments

Table 3: Supported FTD Devices with FDM

Firepower Threat Defense Platform	Operating System
Firepower 2100 series: • Firepower 2110, 2120, 2130, 2140	6.3.0.2: FXOS 2.4.1.237 6.3.0.1: FXOS 2.4.1.222 Automatic upgrade—bundled.
ISA 3000 ASA 5500-X series: • ASA 5508-X, 5516-X • ASA 5515-X, 5525-X, 5545-X, 5555-X	6.3.0.2: ASA 9.10(1.12) 6.3.0.1: ASA 9.10(1.8) Automatic upgrade—bundled.

Firepower Threat Defense Platform	Operating System

Firepower Threat Defense Virtual:
 	
    • VMware vSphere/VMware ESXi 6.0 and 6.5
 	
    • Kernel-based virtual machine (KVM)
	See the documentation for your virtual hosting environment.

ASDM Deployments

Use ASDM 7.10.1+ to manage Version 6.3.0.x of the ASA FirePOWER module.

Table 4: Supported ASA FirePOWER Devices with ASDM

ASA FirePOWER Platform	Operating System

ISA 3000
 	
ASA 5500-X series:
 	
    • ASA 5508-X, 5516-X
 	
    • ASA 5515-X, 5525-X, 5545-X, 5555-X
 	
    • ASA 5585-X-SSP-10, -20, -40, -60
	Any of:
	
	    • ASA 9.5(2), 9.5(3)
	
	    • ASA 9.6(x) through 9.12(x)
	
	There is wide compatibility between ASA and ASA FirePOWER versions. However, even if an ASA upgrade is not strictly required, resolving issues may require an upgrade to the latest supported version.
	
	Separate upgrade. See the Cisco ASA Upgrade Guide for order of operations.

Manager-Device Version Compatibility

We recommend the FMC run the same (or higher) version as its managed devices. Although mixed-version deployments are supported, new features and resolved issues often require the latest version on the FMC and its managed devices.

Table 5: Version 6.3.0.x Manager-Device Version Compatibility

Firepower Management Center		
Version 6.3.0.x FMC	*can manage*	Version 6.1 through 6.3.0.x devices
Version 6.3.0.x devices	*require*	Version 6.3.0 FMC
Firepower Device Manager		
Version 6.3.0.x FDM	*can manage*	one FTD device
ASDM		
Version 7.10.1 ASDM	*can manage*	Version 5.3.x through 6.3.0.x ASA FirePOWER modules

Version 6.3.0.x ASA FirePOWER modules	*require*	Version 7.10.1 ASDM

Integrated Product Compatibility

You can integrate a variety of Cisco products with Firepower.

Table 6: Firepower Version 6.3.0.x Compatibility with Integrated Products

Product	Version
Cisco Firepower System User Agent	2.3
Cisco Identity Services Engine: ISE	2.3 2.3 patch 2 2.4
Cisco Identity Services Engine: ISE-PIC	2.2 patch 1 2.4
Cisco Terminal Services (TS) Agent	1.1 1.2
Cisco AMP Threat Grid	2.1.4+
Cisco AnyConnect Secure Mobility Client	4.0+
Cisco Security Packet Analyzer	Any

Web Browser Compatibility

Browsing the Web from a Firepower-Monitored Network

Many browsers use Transport Layer Security (TLS) v1.3 by default. If you are using an SSL policy to handle encrypted traffic, and people in your monitored network use browsers with TLS v1.3 enabled, websites that support TLS v1.3 may fail to load.

For more information, see the software advisory titled: *Failures loading websites using TLS 1.3 with SSL inspection enabled*.

Using Firepower Web Interfaces

Firepower web interfaces are tested with various popular browsers. If you encounter issues with a browser that is not listed, we ask that you switch to a tested browser. If you continue to encounter issues, contact Cisco TAC.

Note SSL certificates allow the FMC (and 7000/8000 series devices) to establish an encrypted channel between the appliance and your browser. By default, the system comes with a self-signed HTTPS server certificate. We recommend that you replace it with a certificate signed by a globally known or internally trusted certificate authority (CA). You can generate custom server certificate requests and import custom server certificates on the HTTPS Certificates page; choose **System** > **Configuration**, then click **HTTPS Certificates**. For more information, see the online help or the Firepower Management Center Configuration Guide.

Table 7: Browsers Tested with Firepower Web Interfaces

Browser	Required Settings and Additional Warnings
Google Chrome	JavaScript, cookies Chrome does not cache static content, such as images, CSS, or JavaScript, with the system-provided self-signed certificate. Especially in low bandwidth environments, this can extend page load times. If you do not want to replace the self-signed certificate, you can instead add it to the trust store of the browser/OS.
Mozilla Firefox	JavaScript, cookies, TLS v1.2 When it updates, Firefox sometimes stops trusting the system-provided self-signed certificate. If you do not want to replace the certificate, and the login page does not load, refresh Firefox. Type `about:support` in the Firefox search bar and click **Refresh Firefox**. You will lose some settings; see the Refresh Firefox support page.
Microsoft Internet Explorer 10 and 11 (Windows)	JavaScript, cookies, TLS v1.2, 128-bit encryption For the **Check for newer versions of stored pages** browsing history option, choose **Automatically**. Disable the **Include local directory path when uploading files to server** custom security setting (Internet Explorer 11 only). Enable Compatibility View for the Firepower web interface IP address/URL.
Apple Safari 10 and 11 (MacOS)	Tested with Firepower Device Manager only.
Microsoft Edge (Windows)	Not tested.

Screen Resolution Requirements

Table 8: Screen Resolution Requirements for Firepower User Interfaces

Interface	Resolution
Firepower Management Center	1280 pixels wide
7000/8000 series device (limited local interface)	1280 pixels wide

Interface	Resolution
Firepower Device Manager	1024 pixels wide by 768 pixels high
ASDM managing an ASA FirePOWER module	1024 pixels wide by 768 pixels high
Firepower Chassis Manager for Firepower 4100/9300 chassis	1024 pixels wide by 768 pixels high