



Cisco Secure Firewall Threat Defense/Firepower Hotfix Release Notes

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Hotfixes are minor updates that address particular, urgent issues.

This document provides quicklinks to download pages for publicly available hotfixes. Some quicklinks may not go to the download page for your *specific* model. However, as long as the appliance is in the same family or series, you can safely download and apply the hotfix. If you want to be absolutely sure, browse to the page for your specific model.

Applying Hotfixes

Downloading Hotfixes

Download hotfixes from the Cisco Support & Download site: <https://software.cisco.com/download/home>.

To find a hotfix, select or search for your model, then browse to the software download page for your current version. Available hotfixes are listed along with upgrade and installation packages. If you cannot find a hotfix on the download page for your patch level—especially if that same hotfix applies to other patches—look on other download pages where the hotfix applies, especially the first version and the last version.

You use the same hotfix package for all models in a family or series. Most hotfix packages use the naming scheme: *Platform_Hotfix_letter-version-build.sh.REL.tar*. Do not untar signed (.tar) packages.

Installing Hotfixes

You install hotfixes the same way you install patches. For instructions, see one of the following guides. Note that in management center deployments, use the guide for the version of management center (not threat defense) that you are currently running. In device manager deployments, use the device manager guide even if you usually use CDO; you cannot use CDO to hotfix threat defense.

Table 1: Upgrade Guides for Firewall Management Center

Current Firewall Management Center Version	Guide
7.2+	Cisco Secure Firewall Threat Defense Upgrade Guide for Management Center for your version: <i>Upgrade Management Center</i>

Current Firewall Management Center Version	Guide
7.1	Cisco Firepower Threat Defense Upgrade Guide for Firepower Management Center, Version 7.1: Upgrade the FMC
7.0 or earlier	Cisco Firepower Management Center Upgrade Guide, Version 6.0–7.0: Upgrade Firepower Management Centers

Table 2: Upgrade Guides for Firewall Threat Defense with Firewall Management Center

Current Firewall Management Center Version	Guide
Cloud-Delivered Firewall Management Center	Cisco Secure Firewall Threat Defense Upgrade Guide for Cloud-Delivered Firewall Management Center
7.2+	Cisco Secure Firewall Threat Defense Upgrade Guide for Management Center for your version: Upgrade Threat Defense
7.1	Cisco Firepower Threat Defense Upgrade Guide for Firepower Management Center, Version 7.1: Upgrade FTD
7.0 or earlier	Cisco Firepower Management Center Upgrade Guide, Version 6.0–7.0: Upgrade Firepower Threat Defense

Table 3: Upgrade Guides for Firewall Threat Defense with Firewall Device Manager

Current Firewall Threat Defense Version	Guide
7.2+	Cisco Secure Firewall Threat Defense Upgrade Guide for Device Manager for your version: Upgrade Threat Defense
7.1	Cisco Firepower Threat Defense Upgrade Guide for Firepower Device Manager, Version 7.1: Upgrade FTD
7.0 or earlier	Cisco Firepower Threat Defense Configuration Guide for Firepower Device Manager for your version: System Management

Table 4: Upgrade Guides for NGIPS

Platform	Current Manager Version	Guide
Firepower 7000/8000 series with Firewall Management Center	6.0.0–7.0.x	Cisco Firepower Management Center Upgrade Guide, Version 6.0–7.0: Upgrade Firepower 7000/8000 Series and NGIPSv

Platform	Current Manager Version	Guide
NGIPSv with Firewall Management Center	6.0.0–7.1.x 7.2.0–7.2.5 7.3.x 7.4.0	Cisco Firepower Management Center Upgrade Guide, Version 6.0–7.0: Upgrade Firepower 7000/8000 Series and NGIPSv
	7.2.6–7.2.x 7.4.1–7.4.x	Cisco Secure Firewall Threat Defense Upgrade Guide for Management Center for your version: <i>Upgrade Older ASA FirePOWER and NGIPSv Devices</i>
ASA FirePOWER with Firewall Management Center	6.0.0–7.1.x 7.2.0–7.2.5 7.3.x 7.4.0	Cisco Firepower Management Center Upgrade Guide, Version 6.0–7.0: Upgrade ASA with FirePOWER Services
	7.2.6–7.2.x 7.4.1–7.4.x	Cisco Secure Firewall Threat Defense Upgrade Guide for Management Center for your version: <i>Upgrade Older ASA FirePOWER and NGIPSv Devices</i>
ASA FirePOWER with ASDM	Any	Cisco Secure Firewall ASA Upgrade Guide: Upgrade the ASA FirePOWER Module

Verifying Hotfix Success

Applying a hotfix does not update the software version or build. To verify that a hotfix installed successfully, access the Linux shell (also called expert mode) and run the following command:

```
cat /etc/sf/patch_history
```

The system lists all successful upgrades, patches, hotfixes, and pre-install packages since the software was first installed.

Unresponsive or Unsuccessful Hotfixes

Do not make or deploy configuration changes while you are installing a hotfix. Even if the system appears inactive, do not manually reboot, shut down, or restart a hotfix in progress. You could place the system in an unusable state and require a reimage. Do not install the same hotfix more than once on a single appliance. If you encounter issues with a hotfix, including a failed hotfix or unresponsive appliance, contact Cisco TAC.

Uninstalling Hotfixes

You must uninstall hotfixes and patches in the exact reverse order from their installation (last in, first out). For example:

- Install: Patch A → Hotfix B → Hotfix C → Patch D → Hotfix E
- Uninstall: Hotfix E → Patch D → Hotfix C → Hotfix B → Patch A

In later versions, the Firewall Management Center web interface enforces the correct order. For Firewall Threat Defense, where you use expert mode to uninstall, you must do it yourself. For uninstall instructions, see the appropriate upgrade guide (linked above).



Note Uninstall is not recommended for hotfixes and hotfixed patches. If you need to do this, contact Cisco TAC.

Traffic Flow and Inspection

Device hotfixes can affect traffic flow and inspection, especially if the hotfix reboots the device, or if you need to deploy configuration changes. Device type, deployment type (standalone, high availability, clustered), and interface configurations determine the nature of the interruptions. Install hotfixes in a maintenance window or at a time when any interruption will have the least impact on your deployment. For specifics on traffic flow and inspection, see the appropriate upgrade guide (linked above).

BIOS and Firmware Hotfixes for Firewall Management Center Hardware

We provide updates for BIOS and RAID controller firmware on Firewall Management Center hardware. If your Firewall Management Center does not meet the requirements, apply the appropriate hotfix. If your Firewall Management Center model and version are not listed and you think you need to update, contact Cisco TAC.

Table 5: BIOS and Firmware Minimum Requirements

Platform	Version	Hotfix	BIOS	RAID Controller Firmware	CIMC Firmware
FMC 1700, 2700, 4700	7.7	BIOS Update Hotfix I	C225M6.4.3.6a.0	52.30.0-5806	4.3(6.250053)
	7.6				
	7.4				
FMC 1600, 2600, 4600	7.6	BIOS Update Hotfix FC	C220M5.4.3.2b.0	51.23.0-5009	4.3(2.240077)
	7.4				
	7.3				
	7.2				
	7.1				
	7.0				
	6.7	BIOS Update Hotfix EN	C220M5.4.2.3b.0	51.10.0-3612	4.2(3b)
	6.6				
	6.4				

Platform	Version	Hotfix	BIOS	RAID Controller Firmware	CIMC Firmware
FMC 1000, 2500, 4500	7.0 6.7 6.6 6.4	BIOS Update Hotfix EN	C220M5.4.2.3b.0	51.10.0-3612	4.2(3b)
FMC 2000, 4000	6.6 6.4	BIOS Update Hotfix EI	C220M3.3.0.4e.0	23.33.1-0060	3.0(4s)
FMC 750, 1500, 3500	6.4	BIOS Update Hotfix EI	C220M3.3.0.4e.0	23.33.1-0060	3.0(4s)

Hotfixing is the only way to update the BIOS and RAID controller firmware. Upgrading the software does not accomplish this task, nor does reimaging to a later version. If the Firewall Management Center is already up to date, the hotfix has no effect.


Tip

These hotfixes also update the CIMC firmware; for resolved issues see [Release Notes for Cisco UCS Rack Server Software](#). Note that in general, we do not support changing configurations on the Firewall Management Center using CIMC. However, to enable logging of invalid CIMC usernames, apply the latest hotfix, then follow the instructions in the *Viewing Faults and Logs* chapter in the [Cisco UCS C-Series Servers Integrated Management Controller CLI Configuration Guide](#), Version 4.0 or later.


Note

The Firewall Management Center web interface may display these hotfixes with a version that is different from (usually later than) the current software version. This is expected behavior and the hotfixes are safe to apply.

Determining BIOS and Firmware Versions

To determine the current versions on the Firewall Management Center, run these commands from the Linux shell/expert mode:

- BIOS: **sudo dmidecode -t bios -q**
- RAID controller firmware (FMC 4500): **sudo MegaCLI -AdpAllInfo -aALL | grep "FW Package"**
- RAID controller firmware (all other models): **sudo storcli /c0 show | grep "FW Package"**

Version 7.7.x Hotfixes

There are no publicly available hotfixes for Version 7.7.x.

Table 6: Version 7.7 Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix I	7.7.0 7.7.x 7.7.x.x	Management Center (1700, 2700, 4700): Cisco_Secure_FW_Mgmt_Center_Hotfix_I_BIOSUPDATE-7.7.99.99-7 Note Uninstall is not supported with this hotfix.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware , on page 4.

Version 7.6.x Hotfixes

Table 7: Version 7.6.x Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix I	7.6.0 7.6.x 7.6.x.x	Management Center (1700, 2700, 4700): Cisco_Secure_FW_Mgmt_Center_Hotfix_I_BIOSUPDATE-7.6.99.99-7 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes. Note Uninstall is not supported with this hotfix.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware , on page 4.
Hotfix FC	7.6.0 7.6.x 7.6.x.x	Management Center (1600, 2600, 4600): Cisco_Secure_FW_Mgmt_Center_Hotfix_FC_BIOSUPDATE-7.6.99.99-1 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware , on page 4.
Hotfix B	7.6.0	Management Center: Cisco_Secure_FW_Mgmt_Center_Hotfix_B-7.6.0.99-5	CSCwd08098 : cacert.pem on FMC expired and all the devices showing as disabled. See Firewall Management Center Certificate Expiration After 10 Years .

Version 7.4.x Hotfixes

Table 8: Version 7.4.x Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix I	7.4.0 7.4.x 7.4.x.x	<p>Management Center (1700, 2700, 4700):</p> <p>Cisco_Secure_FW_Mgmt_Center_Hotfix_I_BIOSUPDATE-7.4.99.99-7</p> <p>Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.</p> <p>Note Uninstall is not supported with this hotfix.</p>	<p>Updates the BIOS, CIMC firmware, and RAID controller firmware.</p> <p>See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4.</p>
Hotfix EI	7.4.2.3	<p>Firepower 1000:</p> <p>Cisco_FTD_SSP_FP1K_Hotfix_EI-7.4.2.4-2</p> <p>Firepower 2100:</p> <p>Cisco_FTD_SSP_FP2K_Hotfix_EI-7.4.2.4-2</p> <p>Secure Firewall 3100:</p> <p>Cisco_FTD_SSP_FP3K_Hotfix_EI-7.4.2.4-2</p> <p>Secure Firewall 4200:</p> <p>Cisco_Secure_FW_TD_4200_Hotfix_EI-7.4.2.4-2</p> <p>Firepower 4100/9300:</p> <p>Cisco_FTD_SSP_Hotfix_EI-7.4.2.4-2</p> <p>ISA 3000:</p> <p>Cisco_FTD_Hotfix_EI-7.4.2.4-2</p> <p>Threat Defense Virtual:</p> <p>Cisco_FTD_Hotfix_EI-7.4.2.4-2</p>	<p>CSCwn13597: Customer FQDNs for VPN can be found on the internet unexpectedly</p> <p>CSCwo08017: Cisco Secure Firewall Adaptive Security Appliance and Secure Firewall Threat Defense Software Remote Access VPN Web Server Denial of Service Vulnerability</p>
Hotfix BB	7.4.2.1	<p>Firepower 4100/9300:</p> <p>Cisco_FTD_SSP_Hotfix_BB-7.4.2.2-3</p> <p>ISA 3000:</p> <p>Cisco_FTD_Hotfix_BB-7.4.2.2-3</p> <p>Threat Defense Virtual:</p> <p>Cisco_FTD_Hotfix_BB-7.4.2.2-3</p> <p>Note For the Firepower 4100/9300, you should also upgrade FXOS: fxos-k9.2.14.1.1900.SPA.</p>	Addresses gaps found during Common Criteria certification tests.

Hotfix	Versions	Platforms	Resolves
Hotfix BR	7.4.2.1	Firepower 1000: Cisco_FTD_SSP_FP1K_Hotfix_BR-7.4.2.2-1 Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_BR-7.4.2.2-1 Secure Firewall 3100: Cisco_FTD_SSP_FP3K_Hotfix_BR-7.4.2.2-1 Firepower 4100/9300: Cisco_FTD_SSP_Hotfix_BR-7.4.2.2-1 ISA 3000: Cisco_FTD_Hotfix_BR-7.4.2.2-1 Threat Defense Virtual: Cisco_FTD_Hotfix_BR-7.4.2.2-1	CSCwi84417 : Traffic incorrectly matches an ALLOW rule with a time-range object after time has expired
Hotfix FC	7.4.0 7.4.x 7.4.x.x	Management Center (1600, 2600, 4600): Cisco_Secure_FW_Mgmt_Center_Hotfix_FC_BIOSUPDATE-7.4.99.99-1 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4 .
Hotfix AO	7.4.0–7.4.2.1	Management Center: Cisco_Secure_FW_Mgmt_Center_Hotfix_AO-7.4.2.99-5	CSCwd08098 : cacert.pem on FMC expired and all the devices showing as disabled. See Firewall Management Center Certificate Expiration After 10 Years .

Version 7.3.x Hotfixes

Table 9: Version 7.3.x Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix FC	7.3.0 7.3.x 7.3.x.x	Management Center (all hardware models): Cisco_Secure_FW_Mgmt_Center_Hotfix_FC_BIOSUPDATE-7.3.99.99-1 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4 .

Hotfix	Versions	Platforms	Resolves
Hotfix AE	7.3.0–7.3.1.2	Management Center: Cisco_Secure_FW_Mgmt_Center_Hotfix_AE-7.3.1.99-5	CSCwd08098 : cacert.pem on FMC expired and all the devices showing as disabled. See Firewall Management Center Certificate Expiration After 10 Years .

Version 7.2.x Hotfixes

Table 10: Version 7.2.x Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix FC	7.2.0 7.2.x 7.2.x.x	Management Center (all hardware models): Cisco_Secure_FW_Mgmt_Center_Hotfix_FC_BIOSUPDATE-7.2.99.99-1 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware , on page 4.
Hotfix FZ	7.2.0–7.2.9	Management Center: Cisco_Secure_FW_Mgmt_Center_Hotfix_FZ-7.2.9.99-4	CSCwd08098 : cacert.pem on FMC expired and all the devices showing as disabled. See Firewall Management Center Certificate Expiration After 10 Years .
Hotfix BJ	7.2.5	Firepower 1000: Cisco_FTD_SSP_FP1K_Hotfix_BJ-7.2.5.1-1 Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_BJ-7.2.5.1-1 Secure Firewall 3100: Cisco_FTD_SSP_FP3K_Hotfix_BJ-7.2.5.1-1 Firepower 4100/9300 Cisco_FTD_SSP_Hotfix_BJ-7.2.5.1-1 ISA 3000: Cisco_FTD_Hotfix_BJ-7.2.5.1-1 Threat Defense Virtual: Cisco_FTD_Hotfix_BJ-7.2.5.1-1	CSCwh23100 : Cisco ASA and FTD Software Remote Access VPN Unauthorized Access Vulnerability CSCwh45108 : Cisco ASA and FTD Software Remote Access VPN Unauthorized Access Vulnerability

Hotfix	Versions	Platforms	Resolves
Hotfix AW	7.2.4	Firepower 1000: Cisco_FTD_SSP_FP1K_Hotfix_AW-7.2.4.1-1 Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_AW-7.2.4.1-1 Secure Firewall 3100: Cisco_FTD_SSP_FP3K_Hotfix_AW-7.2.4.1-1 Firepower 4100/9300: Cisco_FTD_SSP_Hotfix_AW-7.2.4.1-1 ISA 3000: Cisco_FTD_Hotfix_AW-7.2.4.1-1 Threat Defense Virtual: Cisco_FTD_Hotfix_AW-7.2.4.1-1	CSCwf71606 : Cisco ASA and FTD ACLs Not Installed upon Reload
Hotfix AN	7.2.4-165	Management Center: Cisco_Secure_FW_Mgmt_Center_Hotfix_AN-7.2.4.1-2 Note Apply this hotfix to Version 7.2.4-165 only. Do not apply to Version 7.2.4-169, which fixes this issue.	CSCwf28592 : In some specific scenarios, object optimizer can cause incorrect rules to be deployed to the device

Version 7.1.x Hotfixes

Table 11: Version 7.1.x Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix FC	7.1.0 7.1.x 7.1.x.x	FMC (all hardware models): Cisco_Firepower_Mgmt_Center_Hotfix_FC_BIOSUPDATE-7.1.99.99-1 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4 .
Hotfix Q	7.1.0.2	Secure Firewall 3100: Cisco_FTD_SSP_FP3K_Hotfix_Q-7.1.0.3-2	CSCwb88651 : Cisco ASA and FTD Software RSA Private Key Leak Vulnerability CSCwc28334 : Cisco ASA and FTD Software RSA Private Key Leak Vulnerability

Hotfix	Versions	Platforms	Resolves
Hotfix P	7.1.0.1	Firepower 1000: Cisco_FTD_SSP_FP1K_Hotfix_P-7.1.0.2-2 Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_P-7.1.0.2-2 Firepower 4100/9300: Cisco_FTD_SSP_Hotfix_P-7.1.0.2-2 ISA 3000: Cisco_FTD_Hotfix_P-7.1.0.2-2 FTDv: Cisco_FTD_Hotfix_P-7.1.0.2-2	CSCwb88651 : Cisco ASA and FTD Software RSA Private Key Leak Vulnerability CSCwc28334 : Cisco ASA and FTD Software RSA Private Key Leak Vulnerability
Hotfix A	7.1.0	Firepower 1000 with FDM: Cisco_FTD_SSP_FP1K_Hotfix_A-7.1.0.1-7 Firepower 2100 with FDM: Cisco_FTD_SSP_FP2K_Hotfix_A-7.1.0.1-7 Firepower 4100/9300 with FDM: Cisco_FTD_SSP_Hotfix_A-7.1.0.1-7 ISA 3000 with FDM: Cisco_FTD_Hotfix_A-7.1.0.1-7 FTDv with FDM: Cisco_FTD_Hotfix_A-7.1.0.1-7 Note Apply this hotfix to FDM and FDM/CDO-managed devices. FMC-managed devices are not vulnerable to this exploit.	CSCwa46963 : Security: CVE-2021-44228 -> Log4j 2 Vulnerability

Version 7.0.x Hotfixes

Table 12: Version 7.0.x Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix FC	7.0.0 7.0.x 7.0.x.x	FMC (1600, 2600, 4600): Cisco_Firepower_Mgmt_Center_Hotfix_FC_BIOSUPDATE-7.0.99.99-1 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware , on page 4.

Hotfix	Versions	Platforms	Resolves
Hotfix FK	7.0–7.0.6.3	Management Center: Cisco_Firepower_Mgmt_Center_Hotfix_FK-7.0.6.99-9	CSCwd08098 : cacert.pem on FMC expired and all the devices showing as disabled. See Firewall Management Center Certificate Expiration After 10 Years .
Hotfix FJ	7.0.6.3	Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_FJ-7.0.6.4-1	CSCwk48488 : Cisco FTD for Cisco Firepower 2100 Series TCP UDP Snort 2 and Snort 3 DoS Vulnerability
Hotfix FI	7.0.6.3	Management Center: Cisco_Firepower_Mgmt_Center_Hotfix_FI-7.0.6.4-1	CSCwj01321 : FMC Stored XSS via Edit AnyConnect custom Attribute
Hotfix EN	7.0.0 7.0.x 7.0.x.x	Management Center (1000, 2500, 4500): Cisco_Firepower_Mgmt_Center_BIOSUPDATE_700_EN-11 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4 .
Hotfix EI	7.0.6	Firepower 1000: Cisco_FTD_SSP_FP1K_Hotfix_EI-7.0.6.1-3 Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_EI-7.0.6.1-3 Firepower 4100/9300: Cisco_FTD_SSP_Hotfix_EI-7.0.6.1-3 ASA 5500-X and ISA 3000 with FTD: Cisco_FTD_Hotfix_EI-7.0.6.1-3 FTDv: Cisco_FTD_Hotfix_EI-7.0.6.1-3	CSCwh23100 : Cisco ASA and FTD Software Remote Access VPN Unauthorized Access Vulnerability CSCwh45108 : Cisco ASA and FTD Software Remote Access VPN Unauthorized Access Vulnerability
Hotfix DC	7.0.5	FMC: Cisco_Firepower_Mgmt_Center_Hotfix_DC-7.0.5.1-5	CSCwd88641 : Deployment changes to push VDB package based on Device model and snort engine

Hotfix	Versions	Platforms	Resolves
Hotfix S	7.0.1	<p>Firepower 1000 with FDM: Cisco_FTD_SSP_FP1K_Hotfix_S-7.0.1.1-10</p> <p>Firepower 2100 with FDM: Cisco_FTD_SSP_FP2K_Hotfix_S-7.0.1.1-10</p> <p>Firepower 4100/9300 with FDM: Cisco_FTD_SSP_Hotfix_S-7.0.1.1-10</p> <p>ASA 5500-X and ISA 3000 with FDM: Cisco_FTD_Hotfix_S-7.0.1.1-10</p> <p>FTDv with FDM: Cisco_FTD_Hotfix_S-7.0.1.1-10</p> <p>Note This hotfix was originally released as build 9 on 2021-12-19. It was rereleased as build 10 on 2021-12-21. If you installed the earlier build, you do <i>not</i> have to install the later build.</p> <p>Apply this hotfix to FDM and FDM/CDO-managed devices. FMC-managed devices are not vulnerable to this exploit.</p>	<p>CSCwa46963: Security: CVE-2021-44228 -> Log4j 2 Vulnerability</p> <p>CSCwa55039: Firepower Threat Defense Hotfix S for 7.0.1 cause system failing when ran twice</p>

Version 6.7.x Hotfixes

Table 13: Version 6.7.x Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix EN	6.7.0 6.7.x 6.7.x.x	<p>FMC (all hardware models): Cisco_Firepower_Mgmt_Center_BIOSUPDATE_670_EN-11</p> <p>Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.</p>	<p>Updates the BIOS, CIMC firmware, and RAID controller firmware.</p> <p>See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4.</p>

Hotfix	Versions	Platforms	Resolves
Hotfix AA	6.7.0.3	Firepower 1000: Cisco_FTD_SSP_FP1K_Hotfix_AA-6.7.0.4-2 Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_AA-6.7.0.4-2 Firepower 4100/9300: Cisco_FTD_SSP_Hotfix_AA-6.7.0.4-2 ASA 5500-X and ISA 3000 with FTD: Cisco_FTD_Hotfix_AA-6.7.0.4-2 FTDv: Cisco_FTD_Hotfix_AA-6.7.0.4-2	

Hotfix	Versions	Platforms	Resolves
			<p>CSCvw94160: CIAM: openssl CVE-2020-1971</p> <p>CSCvx64478: Unwanted console output during SAML transactions</p> <p>CSCvz70595: Traceback observed on ASA while handling SAML handler</p> <p>CSCvz76966: Cisco Adaptive Security Appliance Software and Firepower Threat Defense Software DNS DoS</p> <p>CSCvz81480: IV in the outbound pkt is not updated on Nitrox V platforms when GCM is used for IPsec</p> <p>CSCvz84850: ASA/FTD traceback and reload caused by "timer services" function</p> <p>CSCvz85683: Wrong syslog message format for 414004</p> <p>CSCvz85913: ASN.1 strings are represented internally within OpenSSL as an ASN1_STR for CISCO-SSL-1.0.2</p> <p>CSCvz89545: SSL VPN performance degraded and significant stability issues after upgrade</p> <p>CSCvz92016: ASA Privilege Escalation with valid user in AD</p> <p>CSCwa04461: Cisco ASA Software and FTD Software Remote Access SSL VPN Denial of Service</p> <p>CSCwa14485: Cisco Firepower Threat Defense Software Denial of Service Vulnerability</p> <p>CSCwa15185: ASA/FTD: remove unwanted process call from LUA</p> <p>CSCwa33898: Cisco Adaptive Security Appliance Software Clientless SSL VPN Heap Overflow Vulnerability</p> <p>CSCwa36678: Random FTD reloads with the traceback during</p>

Hotfix	Versions	Platforms	Resolves
			deployment from FMC CSCwa65389 : ASA traceback and reload in Unicorn Admin Handler when change interface configuration via ASDM
Hotfix Y	6.7.0.2	Firepower 1000 with FDM: Cisco_FTD_SSP_FP1K_Hotfix_Y-6.7.0.3-7 Firepower 2100 with FDM: Cisco_FTD_SSP_FP2K_Hotfix_Y-6.7.0.3-7 Firepower 4100/9300 with FDM: Cisco_FTD_SSP_Hotfix_Y-6.7.0.3-7 ASA 5500-X and ISA 3000 with FDM: Cisco_FTD_Hotfix_Y-6.7.0.3-7 FTDv with FDM: Cisco_FTD_Hotfix_Y-6.7.0.3-7 Note Apply this hotfix to FDM and FDM/CDO-managed devices. FMC-managed devices are not vulnerable to this exploit.	CSCwa46963 : Security: CVE-2021-44228 -> Log4j 2 Vulnerability
Hotfix C	6.7.0 6.7.x.x	ISA 3000 with FTD: Cisco_FTD_Hotfix_C-6.7.0.999-2	CSCvw53884 : M500IT Model Solid State Drives on ASA5506 may go unresponsive after 3.2 Years in service

Version 6.6.x Hotfixes

Table 14: Version 6.6.x Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix EN	6.6.0 6.6.x 6.6.x.x	FMC (1000, 1600, 2500, 2600, 4500, 4600): Cisco_Firepower_Mgmt_Center_BIOSUPDATE_660_EN-11 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware , on page 4.
Hotfix EB	6.6.7.1	FMC/FMCv: Cisco_Firepower_Mgmt_Center_Hotfix_EB-6.6.7.2-4	CSCwd88641 : Deployment changes to push VDB package based on Device model and snort engine

Hotfix	Versions	Platforms	Resolves
Hotfix DE	6.6.5 6.6.5.1	<p>FMC/FMCv:</p> <p>Cisco_Firepower_Mgmt_Center_Hotfix_DE-6.6.5.2-8</p> <p>Firepower 1000 with FDM:</p> <p>Cisco_FTD_SSP_FP1K_Hotfix_DE-6.6.5.2-8</p> <p>Firepower 2100 with FDM:</p> <p>Cisco_FTD_SSP_FP2K_Hotfix_DE-6.6.5.2-8</p> <p>Firepower 4100/9300 with FDM:</p> <p>Cisco_FTD_SSP_Hotfix_DE-6.6.5.2-8</p> <p>ASA 5500-X and ISA 3000 with FDM:</p> <p>Cisco_FTD_Hotfix_DE-6.6.5.2-8</p> <p>FTDv with FDM:</p> <p>Cisco_FTD_Hotfix_DE-6.6.5.2-8</p> <p>ASA FirePOWER with ASDM:</p> <p>Cisco_Network_Sensor_Hotfix_DE-6.6.5.2-8</p> <p>Note Apply this hotfix to the FMC and to FDM, FDM/CDO, and ASDM managed devices only. FMC-managed devices are covered by the FMC hotfix.</p>	CSCwa70008 : Expired certs cause Security Intel. and malware file preclassification signature updates to fail
Hotfix DA	6.6.5.1	<p>Firepower 1000 with FDM:</p> <p>Cisco_FTD_SSP_FP1K_Hotfix_DA-6.6.5.2-4</p> <p>Firepower 2100 with FDM</p> <p>Cisco_FTD_SSP_FP2K_Hotfix_DA-6.6.5.2-4</p> <p>Firepower 4100/9300 with FDM:</p> <p>Cisco_FTD_SSP_Hotfix_DA-6.6.5.2-4</p> <p>ASA 5500-X and ISA 3000 with FDM:</p> <p>Cisco_FTD_Hotfix_DA-6.6.5.2-4</p> <p>FTDv with FDM:</p> <p>Cisco_FTD_Hotfix_DA-6.6.5.2-4</p> <p>Note Apply this hotfix to FDM and FDM/CDO-managed devices. FMC-managed devices are not vulnerable to this exploit.</p>	CSCwa46963 : Security: CVE-2021-44228 -> Log4j 2 Vulnerability

Hotfix	Versions	Platforms	Resolves
Hotfix EI	6.6.0 6.6.x 6.6.x.x	FMC 2000, 4000: Cisco_Firepower_Mgmt_Center_BIOSUPDATE_660_EI-15 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4 .
Hotfix AB	6.6.1	ISA 3000 with FTD: Cisco_FTD_Hotfix_AB-6.6.1.999-1	CSCvw53884 : M500IT Model Solid State Drives on ASA5506 may go unresponsive after 3.2 Years in service
Hotfix N	6.6.0 6.6.0.x	ISA 3000 with FTD: Cisco_FTD_Hotfix_N-6.6.0.999-1	CSCvw53884 : M500IT Model Solid State Drives on ASA5506 may go unresponsive after 3.2 Years in service

Version 6.4.0 Hotfixes

Table 15: Version 6.4.0 Hotfixes

Hotfix	Versions	Platforms	Resolves
Hotfix EN	6.4.0 6.4.x 6.4.x.x	FMC (1000, 1600, 2500, 2600, 4500, 4600): Cisco_Firepower_Mgmt_Center_BIOSUPDATE_640_EN-11 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4 .
Hotfix EP	6.4.0.13	Firepower 1000 with FDM: Cisco_FTD_SSP_FP1K_Hotfix_EP-6.4.0.14-9 Firepower 2100 with FDM: Cisco_FTD_SSP_FP2K_Hotfix_EP-6.4.0.14-9 ASA 5500-X and ISA 3000 with FDM: Cisco_FTD_Hotfix_EP-6.4.0.14-9 FTDv with FDM: Cisco_FTD_Hotfix_EP-6.4.0.14-9 Note Apply this hotfix to FDM and FDM/CDO-managed devices. FMC-managed devices are not vulnerable to this exploit.	CSCwa46963 : Security: CVE-2021-44228 -> Log4j 2 Vulnerability

Hotfix	Versions	Platforms	Resolves
Hotfix EI	6.4.0 6.4.0.x	FMC 750, 1500, 2000, 3500, 4000: Cisco_Firepower_Mgmt_Center_BIOSUPDATE_640_EI-15 Note This hotfix replaces all other BIOS and firmware hotfixes for these management center models. Apply this hotfix even if you have applied previous BIOS and firmware hotfixes.	Updates the BIOS, CIMC firmware, and RAID controller firmware. See BIOS and Firmware Hotfixes for Firewall Management Center Hardware, on page 4 .
Hotfix DV	6.4.0 6.4.0.x	ISA 3000 with FTD: Cisco_FTD_Hotfix_DV-6.4.0.999-1	CSCvw53884 : M500IT Model Solid State Drives on ASA5506 may go unresponsive after 3.2 Years in service
Hotfix BM	6.4.0.9	Firepower 1000: Cisco_FTD_SSP_FP1K_Hotfix_BM-6.4.0.10-2 Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_BM-6.4.0.10-2 Firepower 4100/9300: Cisco_FTD_SSP_Hotfix_BM-6.4.0.10-2 ASA 5500-X and ISA 3000 with FTD: Cisco_FTD_Hotfix_BM-6.4.0.10-2 FTDv: Cisco_FTD_Hotfix_BM-6.4.0.10-2	CSCvt03598 : Cisco ASA Software and FTD Software Web Services Read-Only Path Traversal Vulnerability

Hotfix	Versions	Platforms	Resolves
Hotfix AY	6.4.0.8	<p>Firepower 1000: Cisco_FTD_SSP_FP1K_Hotfix_AY-6.4.0.9-3</p> <p>Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_AY-6.4.0.9-3</p> <p>Firepower 4100/9300: Cisco_FTD_SSP_Hotfix_AY-6.4.0.9-3</p> <p>ASA 5500-X and ISA 3000 with FTD: Cisco_FTD_Hotfix_AY-6.4.0.9-3</p> <p>FTDv: Cisco_FTD_Hotfix_AY-6.4.0.9-3</p> <p>Note We recommend you patch to Version 6.4.0.9+ instead of applying this hotfix. If you cannot patch, note that this hotfix was originally released as build 2 on 2020-05-06, and was rereleased on 2020-05-15 as build 3. If you installed the earlier build, install the new one also. You do not have to uninstall.</p>	<p>CSCvp49481, CSCvp93468: Cisco ASA Software and Cisco FTD Software SSL VPN Denial of Service Vulnerability</p> <p>CSCvs10748: Cisco Adaptive Security Appliance and Firepower Threat Defense Denial of Service Vuln</p> <p>CSCvo80853: Cisco Firepower Threat Defense Software Packet Flood Denial of Service Vulnerability</p> <p>CSCvs50459: Cisco ASA and Cisco FTD Malformed OSPF Packets Processing Denial of Service Vulnerability</p> <p>CSCvr86783: Standby FDM lost connectivity after forming HA</p> <p>CSCvr92168: ASA/FTD Slow memory leak in OSPF process when processing OSPF Hellos</p> <p>CSCvt15163: Cisco ASA and FTD Software Web Services Information Disclosure Vulnerability</p> <p>CSCvq89361: Cisco Firepower 1000 Series SSL/TLS Denial of Service Vulnerability</p> <p>CSCvu20521: OSPF is not forming after HF installation</p>
Hotfix U	6.4.0.5 and 6.4.0.6	<p>FMC/FMCv: Cisco_Firepower_Mgmt_Center_Hotfix_U-6.4.0.7-2</p>	CSCvr95287 : Cisco Firepower Management Center LDAP Authentication Bypass Vulnerability
Hotfix T	6.4.0 6.4.0.1 to 6.4.0.4	<p>FMC/FMCv: Cisco_Firepower_Mgmt_Center_Hotfix_T-6.4.0.5-1</p>	CSCvr95287 : Cisco Firepower Management Center LDAP Authentication Bypass Vulnerability
Hotfix AA	6.4.0.4 to 6.4.0.7	<p>FMC/FMCv: Cisco_Firepower_Mgmt_Center_Hotfix_AA-6.4.0.8-4</p> <p>Note You must also update to VDB 329+ and deploy configuration changes. You can do this before or after you apply the hotfix.</p>	Resolves issues with application identification.

Hotfix	Versions	Platforms	Resolves
Hotfix X	6.4.0.6	FMC/FMCv: Cisco_Firepower_Mgmt_Center_Hotfix_X-6.4.0.7-2	CSCvr52109 : FTD has hitcounts on access-lists but traffic is not hitting Access Policy rules
Hotfix F	6.4.0.2	FMC/FMCv: Cisco_Firepower_Mgmt_Center_Hotfix_F-6.4.0.3-2 Firepower 2100: Cisco_FTD_SSP_FP2K_Hotfix_F-6.4.0.3-2 Firepower 4100/9300: Cisco_FTD_SSP_Hotfix_F-6.4.0.3-2 ASA 5500-X and ISA 3000 with FTD: Cisco_FTD_Hotfix_F-6.4.0.3-2 FTDv (VMware, FVM): Cisco_FTD_Hotfix_F-6.4.0.3-2	CSCvq34224 : Firepower Primary Detection Engine process terminated after Manager upgrade

For Assistance

Online Resources

Cisco provides the following online resources to download documentation, software, and tools; to query bugs; and to open service requests. Use these resources to install and configure Cisco software and to troubleshoot and resolve technical issues.

- Documentation: <https://cisco.com/go/ftd-docs>
- Cisco Support & Download site: <https://cisco.com/c/en/us/support/index.html>
- Cisco Bug Search Tool: <https://tools.cisco.com/bugsearch/>
- Cisco Notification Service: <https://cisco.com/cisco/support/notifications.html>

Access to most tools on the Cisco Support & Download site requires a Cisco.com user ID and password.

Contact Cisco

If you cannot resolve an issue using the online resources listed above, contact Cisco TAC:

- Email Cisco TAC: tac@cisco.com
- Call Cisco TAC (North America): 1.408.526.7209 or 1.800.553.2447
- Call Cisco TAC (worldwide): [Cisco Worldwide Support Contacts](#)

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