

Release Notes

FortiManager 7.0.3



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FortiManager 7.0.3 Release Notes

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Change Log

| Date | Change Description |
|------------|--|
| 2022-02-02 | Initial release. |
| 2022-02-03 | Updated FortiProxy information in Feature support on page 23 . |
| 2022-02-04 | Updated FortiProxy on page 22 . |
| 2022-02-09 | Added support for FortiOS 7.0.5 to FortiOS and FortiOS Carrier on page 20 . |
| 2022-02-10 | Added 781118 to Known Issues on page 46 . |
| 2022-02-11 | Updated FortiManager VM subscription license on page 7 and Appendix A - FortiGuard Distribution Servers (FDS) on page 54 . |
| 2022-02-15 | Added information about support for FortiFirewall and FortiFirewallCarrier. |
| 2022-02-15 | Added FortiGate-7000E to FortiGate special branch models on page 29 . |
| 2022-02-23 | Added special notice about SDN fabric connectors to Special Notices on page 10 . |
| 2022-03-07 | Updated Supported models on page 7 . |
| 2022-03-15 | Updated Resolved Issues on page 37 and Known Issues on page 46 . |
| 2022-03-17 | Updated FortiGate special branch models on page 29 . Updated Upgrade Information on page 16 . |
| 2022-03-23 | Updated Special Notices on page 10 . |
| 2022-03-30 | Updated Special Notices on page 10 . |
| 2022-04-07 | Updated Special Notices on page 10 . |
| 2022-05-20 | Updated Known Issues on page 46 and Resolved Issues on page 37 . |
| 2022-06-20 | Updated Known Issues on page 46 and Special Notices on page 10 . |
| 2022-07-07 | Updated Upgrade Information on page 16 . |
| 2022-10-28 | Updated FortiProxy on page 22 . |
| 2022-11-16 | Updated FortiSandbox on page 22 . |
| 2022-12-14 | Updated Resolved Issues on page 37 . |
| 2023-06-08 | Updated Special Notices on page 10 and Known Issues on page 46 . |
| 2023-06-23 | Updated Special Notices on page 10 and Known Issues on page 46 . |
| 2023-07-12 | Updated Special Notices on page 10 and Known Issues on page 46 . |
| 2024-01-05 | Updated Special Notices on page 10 . |

FortiManager 7.0.3 Release

This document provides information about FortiManager version 7.0.3 build 0254.



The recommended minimum screen resolution for the FortiManager GUI is 1920 x 1080. Please adjust the screen resolution accordingly. Otherwise, the GUI may not display properly.

This section includes the following topics:

- [Supported models on page 7](#)
- [FortiManager VM subscription license on page 7](#)
- [Management extension applications on page 7](#)

Supported models

FortiManager version 7.0.3 supports the following models:

| | |
|------------------------|---|
| FortiManager | FMG-200F, FMG-200G, FMG-300F, FMG-400E, FMG-400G, FMG-1000F, FMG-2000E FMG-3000F, FMG-3000G, FMG-3700F, FMG-3700G, and FMG-3900E. |
| FortiManager VM | FMG_DOCKER, FMG-VM64, FMG-VM64-AWS, FMG-VM64-Azure, FMG-VM64-GCP, FMG-VM64-HV (including Hyper-V 2016, 2019), FMG-VM64-KVM, FMG-VM64-OPC, FMG-VM64-XEN (for both Citrix and Open Source Xen). |

FortiManager VM subscription license

The FortiManager VM subscription license supports FortiManager version 6.4.1 and later. For information about supported firmware, see [FortiManager VM firmware on page 16](#).

See also [Appendix B - Default and maximum number of ADOMs supported on page 55](#).

Management extension applications

The following section describes supported models and minimum system requirements for management extension applications (MEA) in FortiManager 7.0.3.



FortiManager uses port TCP/443 or TCP/4443 to connect to the Fortinet registry and download MEAs. Ensure that the port is also open on any upstream FortiGates. For more information about incoming and outgoing ports, see the [FortiManager 7.0 Ports Guide](#).

Supported models for MEA

You can use any of the following FortiManager models as a host for management extension applications:

| | |
|------------------------|---|
| FortiManager | FMG-3000F, FMG-3000G, FMG-3700F, FMG-3700G, and FMG-3900E. |
| FortiManager VM | FMG_DOCKER, FMG-VM64, FMG-VM64-AWS, FMG-VM64-Azure, FMG-VM64-GCP, FMG-VM64-HV (including Hyper-V 2016, 2019), FMG-VM64-KVM, FMG-VM64-OPC, FMG-VM64-XEN (for both Citrix and Open Source Xen). |

Minimum system requirements

By default FortiManager VMs use the following system resource settings:

- 4 vCPU
- 8 GB RAM
- 500 GB disk space

Starting with FortiManager 7.0.0, RAM and CPU is capped at 50% for MEAs. (Use the `config system docker` command to view the setting.) If FortiManager has 8 CPUs and 16 GB RAM, then only 4 CPUs and 8 GB RAM are available to MEAs by default, and the 4 CPUs and 8 GB RAM are used for all enabled MEAs.

Some management extension applications have minimum system requirements that require you to increase system resources. The following table identifies the minimum requirements for each MEA as well as the recommended system resources to function well in a production environment.

MEA minimum system requirements apply only to the individual MEA and do not take into consideration any system requirements for resource-sensitive FortiManager features or multiple, enabled MEAs. If you are using multiple MEAs, you must increase the system resources to meet the cumulative need of each MEA.

| Management Extension Application | Minimum system requirements | Recommended system resources for production* |
|----------------------------------|--|--|
| FortiAIOps | <ul style="list-style-type: none"> • 8 vCPU • 32 GB RAM • 500 GB disk storage | No change |
| FortiAuthenticator | <ul style="list-style-type: none"> • 4 vCPU • 8 GB RAM | No change |
| FortiPortal | <ul style="list-style-type: none"> • 4 vCPU • 8 GB RAM | No change |
| FortiSigConverter | <ul style="list-style-type: none"> • 4 vCPU • 8 GB RAM | No change |

| Management Extension Application | Minimum system requirements | Recommended system resources for production* |
|------------------------------------|---|--|
| FortiSOAR | <ul style="list-style-type: none"> • 4 vCPU • 8 GB RAM • 500 GB disk storage | <ul style="list-style-type: none"> • 16 vCPU • 64 GB RAM • No change for disk storage |
| Policy Analyzer | <ul style="list-style-type: none"> • 4 vCPU • 8 GB RAM | No change |
| SD-WAN Orchestrator | <ul style="list-style-type: none"> • 4 vCPU • 8 GB RAM | <ul style="list-style-type: none"> • 4 vCPU • 12 GB RAM |
| Universal Connector | <ul style="list-style-type: none"> • 1 GHZ vCPU • 2 GB RAM • 1 GB disk storage | No change |
| Wireless Manager (FortiWLM) | <ul style="list-style-type: none"> • 4 vCPU • 8 GB RAM | No change |

*The numbers in the *Recommended system resources for production* column are a combination of the default system resource settings for FortiManager plus the minimum system requirements for the MEA.

Special Notices

This section highlights some of the operational changes that administrators should be aware of in 7.0.3.

FortiManager 7.2.3 and later firmware on FortiGuard

Starting in FortiManager 7.2.1, a setup wizard executes to prompt the user for various configuration steps and registration with FortiCare. During the execution, the FortiManager unit attempts to communicate with FortiGuard for a list of FortiManager firmware images currently available on FortiGuard – older and newer.

In the case of FortiManager 7.2.2, a bug in the GUI prevents the wizard from completing and prevents the user from accessing the FortiManager unit. The issue has been fixed in 7.2.3 and later and a CLI command has been added to bypass the setup wizard at login time.

```
config system admin setting
    set firmware-upgrade-check disable
end
```

Fortinet has not uploaded FortiManager 7.2.3 and later firmware to FortiGuard in order to work around the GUI bug, however, the firmware is available for download from the Fortinet Support web site <https://support.fortinet.com>.

FortiManager fails to retrieve FortiGate's configuration when external-resource objects include a "g-" prefix

Scenario: Multi-VDOM is enabled on FGTs version 6.4 and external-resource objects are created globally; these objects are being used in webfilter and firewall policies. After upgarding the FGTs to v7.0, the FGTs automatically add a "g-" prefix to the global external-resource. However, FMG has not supported this prefix yet, so FMG fails to retrieve FGT's configuration to DB.

Workaround: There are two workarounds; use the approach that works best for your environment. If it is possible, create a new backup of your FMG and FGT(s) before making any changes.

First workaround approach:

1. Re-create all threat feeds locally in VDOM configuration and update policies and security profiles that reference them to the local threat feed vs. the global feed.
2. Delete the global threat feed objects.

Second workaround approach:

1. Perform policy reinstallation. FMG adds original threat feed objects within the VDOM configuration without the 'g' prefix.
2. FMG reports 'install OK/verify FAIL' at the end of the policy installation.
3. Run scripts to delete the global threat feed objects (objects with the 'g' prefix) from the FGT.
4. Retrieve the FGT configuration from FMG.

5. Perform another policy installation to update the configuration synchronization status between the FGT and FMG. No commands are pushed during this stage according to the install wizard.

FAP-831F not yet supported by AP Manager

The AP Manager module does not yet support the FAP-831F model.

Authorizing FortiGate with FortiClient EMS connected

Please follow the steps below when managing FortiClient EMS Connector's configuration via FortiManager:

1. Add a FortiGate device to FortiManager.
2. Create FortiClient EMS Connector's configuration on FortiManager.
3. Install the configuration onto the FortiGate device.

If the order of the steps is not followed, FortiClient EMS may not authorize the FortiGate device.

View Mode is disabled in policies when policy blocks are used

When policy blocks are added to a policy package, the *View Mode* option is no longer available, and policies in the table cannot be arranged by *Interface Pair View*. This occurs because policy blocks typically contain multiple policies using different incoming and outgoing interfaces, however, *View Mode* is still disabled even when policy blocks respect the interface pair.

FortiManager upgrades from 7.0.0

When upgrading from FortiManager 7.0.0, you must first upgrade to 7.0.1 before going to 7.0.2 and later. This is required to correct an issue that causes FortiManager to download unnecessary objects from FortiGuard. Please contact [FortiManager support](#) for more information if required.

SDN fabric connectors

According to the current design, SDN fabric connectors are installed on all FortiGates in an ADOM, even if the fabric connectors are not in use. See also bug ID 496870 in [Known Issues on page 46](#).

Workaround: Place FortiGates in another ADOM when you do not want to install SDN fabric connectors to the devices.

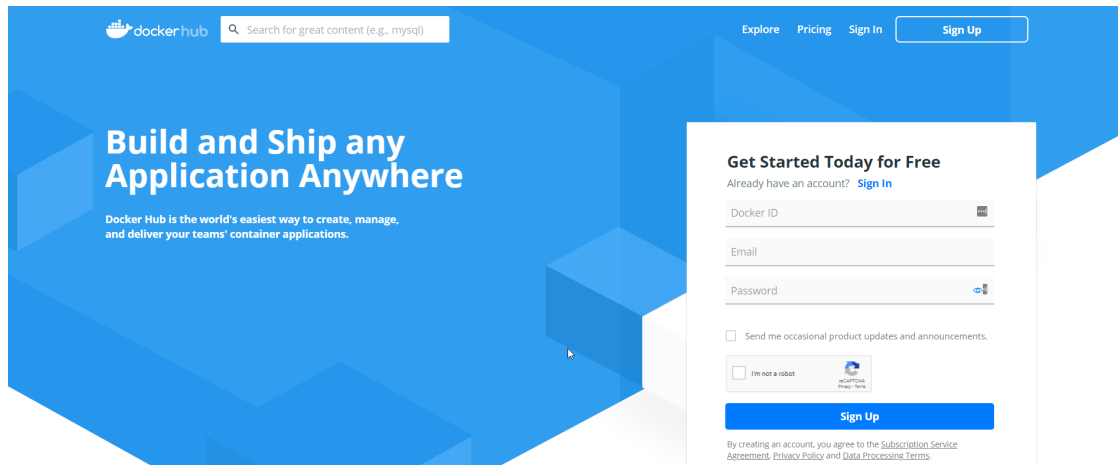
Fortinet verified publisher docker image

FortiManager docker images are available for download from Fortinet's Verified Publisher public repository on dockerhub.

To download the FortiManager image from dockerhub:

1. Go to dockerhub at <https://hub.docker.com/>.

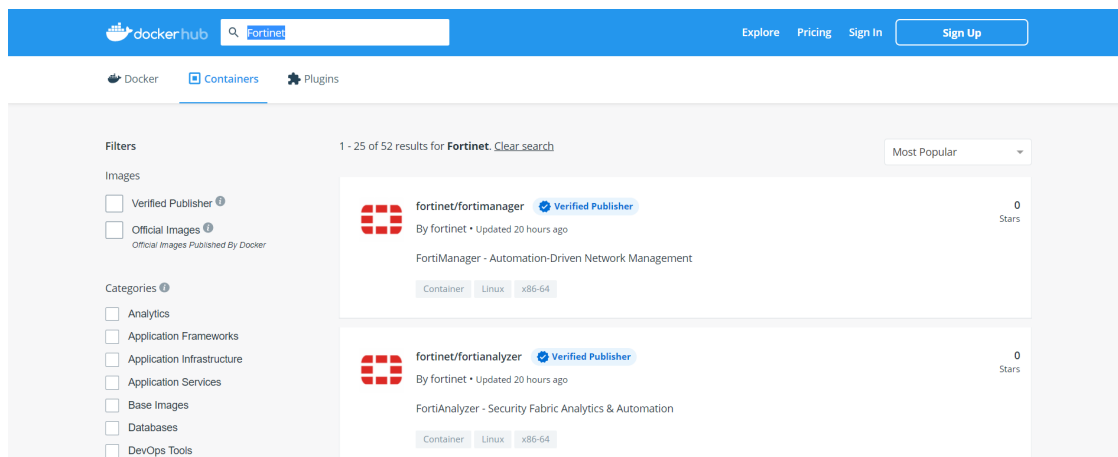
The dockerhub home page is displayed.



2. In the banner, click *Explore*.

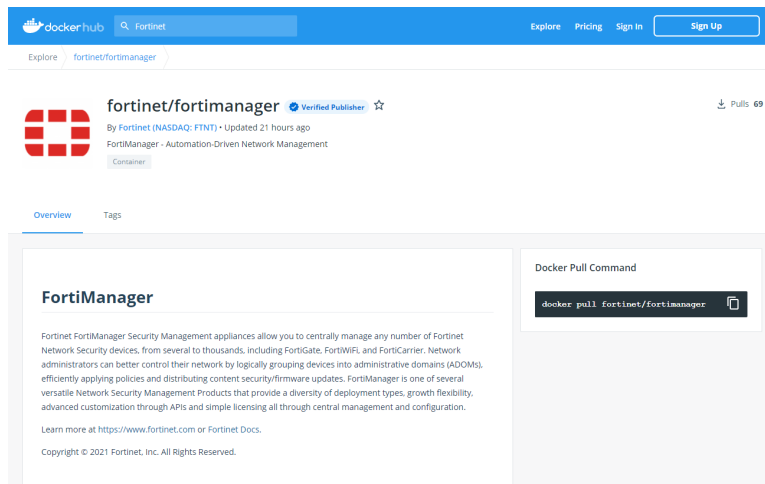
3. In the search box, type *Fortinet*, and press *Enter*.

The *fortinet/fortimanager* and *fortinet/fortianalyzer* options are displayed.



4. Click *fortinet/fortimanager*.

The *fortinet/fortimanager* page is displayed, and two tabs are available: *Overview* and *Tags*. The *Overview* tab is selected by default.



5. On the **Overview** tab, copy the docker pull command, and use it to download the image. The CLI command from the **Overview** tab points to the latest available image. Use the **Tags** tab to access different versions when available.

Scheduling firmware upgrades for managed devices

Starting in FortiManager 7.0.0, firmware templates should be used to schedule firmware upgrades on managed FortiGates. Attempting firmware upgrade from the FortiManager GUI by using legacy methods may ignore the *schedule upgrade* option and result in FortiGates being upgraded immediately.

Modifying the interface status with the CLI

Starting in version 7.0.1, the CLI to modify the interface status has been changed from `up/down` to `enable/disable`.

For example:

```
config system interface
  edit port2
    set status <enable/disable>
  next
end
```

SD-WAN with upgrade to 7.0

Due to design change with SD-WAN Template, upgrading to FortiManager 7.0 may be unable to maintain dynamic mappings for all SD-WAN interface members. Please reconfigure all the missing interface mappings after upgrade.

Citrix XenServer default limits and upgrade

Citrix XenServer limits ramdisk to 128M by default. However the FMG-VM64-XEN image is larger than 128M. Before updating to FortiManager 6.4, increase the size of the ramdisk setting on Citrix XenServer.

To increase the size of the ramdisk setting:

1. On Citrix XenServer, run the following command:

```
xenstore-write /mh/limits/pv-ramdisk-max-size 536,870,912
```

2. Confirm the setting is in effect by running `xenstore-ls`.

```
-----  
limits = ""  
pv-kernel-max-size = "33554432"  
pv-ramdisk-max-size = "536,870,912"  
boot-time = ""  
-----
```

3. Remove the pending files left in `/run/xen/pygrub`.



The ramdisk setting returns to the default value after rebooting.

Multi-step firmware upgrades

Prior to using the FortiManager to push a multi-step firmware upgrade, confirm the upgrade path matches the path outlined on our support site. To confirm the path, please run:

```
dia fwmanager show-dev-upgrade-path <device name> <target firmware>
```

Alternatively, you can push one firmware step at a time.

Hyper-V FortiManager-VM running on an AMD CPU

A Hyper-V FMG-VM running on a PC with an AMD CPU may experience a kernel panic. Fortinet recommends running VMs on an Intel-based PC.

SSLv3 on FortiManager-VM64-AWS

Due to known vulnerabilities in the SSLv3 protocol, FortiManager-VM64-AWS only enables TLSv1 by default. All other models enable both TLSv1 and SSLv3. If you wish to disable SSLv3 support, please run:

```
config system global  
set ssl-protocol tlsv1
```

end

Upgrade Information

You can upgrade to FortiManager 7.0.3 from the following versions:

- FortiManager 6.4.0 to 6.4.x
- FortiManager 7.0.1 to 7.0.x

If you are upgrading from FortiManager 7.0.0, upgrade to FortiManager 7.0.1, and then upgrade to 7.0.3. See also [FortiManager upgrades from 7.0.0 on page 11](#).



For other upgrade paths and details about upgrading your FortiManager device, see the *FortiManager Upgrade Guide*.

This section contains the following topics:

- [Downgrading to previous firmware versions on page 16](#)
- [Firmware image checksums on page 16](#)
- [FortiManager VM firmware on page 16](#)
- [SNMP MIB files on page 18](#)

Downgrading to previous firmware versions

FortiManager does not provide a full downgrade path. You can downgrade to a previous firmware release by using the GUI or CLI, but doing so results in configuration loss. A system reset is required after the firmware downgrade process has completed. To reset the system, use the following CLI commands via a console port connection:

```
execute reset {all-settings | all-except-ip}  
execute format {disk | disk-ext4 | disk-ext3}
```

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, <https://support.fortinet.com>. After logging in, go to *Download > Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

FortiManager VM firmware

Fortinet provides FortiManager VM firmware images for Amazon AWS, Citrix and Open Source XenServer, Linux KVM, Microsoft Hyper-V Server, and VMware ESX/ESXi virtualization environments.

Amazon Web Services

- The 64-bit Amazon Machine Image (AMI) is available on the AWS marketplace.

Citrix XenServer and Open Source XenServer

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiManager VM installation.
- `.out.OpenXen.zip`: Download the 64-bit package for a new FortiManager VM installation. This package contains the QCOW2 file for the Open Source Xen Server.
- `.out.CitrixXen.zip`: Download the 64-bit package for a new FortiManager VM installation. This package contains the Citrix XenServer Virtual Appliance (XVA), Virtual Hard Disk (VHD), and OVF files.

Google Cloud Platform

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiManager VM installation.
- `.out.gcp.zip`: Download the 64-bit package for a new FortiManager VM installation.

Linux KVM

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiManager VM installation.
- `.out.kvm.zip`: Download the 64-bit package for a new FortiManager VM installation. This package contains QCOW2 that can be used by qemu.

Microsoft Azure

The files for Microsoft Azure have AZURE in the filenames, for example `<product>_VM64_AZURE-v<number>-build<number>-FORTINET.out.hyperv.zip`.

- `.out`: Download the firmware image to upgrade your existing FortiManager VM installation.

Microsoft Hyper-V Server

The files for Microsoft Hyper-V Server have HV in the filenames, for example, `<product>_VM64_HV-v<number>-build<number>-FORTINET.out.hyperv.zip`.

- `.out`: Download the firmware image to upgrade your existing FortiManager VM installation.
- `.hyperv.zip`: Download the package for a new FortiManager VM installation. This package contains a Virtual Hard Disk (VHD) file for Microsoft Hyper-V Server.



Microsoft Hyper-V 2016 is supported.

Oracle Private Cloud

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiManager VM installation.
- `.out.opc.zip`: Download the 64-bit package for a new FortiManager VM installation.

VMware ESX/ESXi

- `.out`: Download the 64-bit firmware image to upgrade your existing VM installation.
- `.ovf.zip`: Download either the 64-bit package for a new VM installation. This package contains an Open Virtualization Format (OVF) file for VMware and two Virtual Machine Disk Format (VMDK) files used by the OVF file during deployment.



For more information see the [FortiManager Data Sheet](#) available on the Fortinet web site. VM installation guides are available in the [Fortinet Document Library](#).

SNMP MIB files

You can download the *FORTINET-FORTIMANAGER-FORTIANALYZER.mib* MIB file in the firmware image file folder. The Fortinet Core MIB file is located in the main FortiManager version 5.00 file folder.

Product Integration and Support

This section lists FortiManager 7.0.3 support of other Fortinet products. It also identifies what FortiManager features are supported for managed platforms and what languages FortiManager supports. It also lists which Fortinet models can be managed by FortiManager.

The section contains the following topics:

- [Supported software on page 19](#)
- [Feature support on page 23](#)
- [Language support on page 24](#)
- [Supported models on page 25](#)

Supported software

FortiManager 7.0.3 supports the following software:

- [Web browsers on page 20](#)
- [FortiOS and FortiOS Carrier on page 20](#)
- [FortiADC on page 20](#)
- [FortiAnalyzer on page 20](#)
- [FortiAuthenticator on page 20](#)
- [FortiCache on page 21](#)
- [FortiClient on page 21](#)
- [FortiDDoS on page 21](#)
- [FortiDeceptor on page 21](#)
- [FortiFirewall and FortiFirewallCarrier on page 21](#)
- [FortiMail on page 21](#)
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- [FortiSwitch ATCA on page 22](#)
- [FortiTester on page 23](#)
- [FortiWeb on page 23](#)
- [Virtualization on page 23](#)



To confirm that a device model or firmware version is supported by the current firmware version running on FortiManager, run the following CLI command:

```
diagnose dvm supported-platforms list
```



Always review the Release Notes of the supported platform firmware version before upgrading your device.

Web browsers

FortiManager 7.0.3 supports the following web browsers:

- Microsoft Edge 80 (80.0.361 or later)
- Mozilla Firefox version 96
- Google Chrome version 97

Other web browsers may function correctly, but are not supported by Fortinet.

FortiOS and FortiOS Carrier



The *FortiManager Release Notes* communicate support for FortiOS versions that are available at the time of the FortiManager 7.0.3 release. For additional information about other supported FortiOS versions, please refer to the FortiManager compatibility chart in the [Fortinet Document Library](#).

See [FortiManager compatibility with FortiOS](#).

FortiManager 7.0.3 supports the following versions of FortiOS and FortiOS Carrier:

- 7.0.0 to 7.0.5
- 6.4.0 to 6.4.8
- 6.2.0 to 6.2.10

FortiADC

FortiManager 7.0.3 supports the following versions of FortiADC:

- 6.2.0 and later
- 6.1.0 and later
- 6.0.0 and later

FortiAnalyzer

FortiManager 7.0.3 supports the following versions of FortiAnalyzer:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.0 and later

FortiAuthenticator

FortiManager 7.0.3 supports the following versions of FortiAuthenticator:

- 6.4.0 and later
- 6.3.0 and later
- 6.2.0 and later

FortiCache

FortiManager 7.0.3 supports the following versions of FortiCache:

- 4.2.0 and later
- 4.1.0 and later
- 4.0.0 and later

FortiClient

FortiManager 7.0.3 supports the following versions of FortiClient:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.1 and later

FortiDDoS

FortiManager 7.0.3 supports the following versions of FortiDDoS:

- 6.2.0 and later
- 6.1.0 and later
- 6.0.0 and later

Limited support. For more information, see [Feature support on page 23](#).

FortiDeceptor

FortiManager 7.0.3 supports the following versions of FortiDeceptor:

- 4.1 and later
- 4.0 and later
- 3.3 and later

FortiFirewall and FortiFirewallCarrier

FortiManager 7.0.3 supports the following versions of FortiFirewall and FortiFirewallCarrier:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.0 and later

FortiMail

FortiManager 7.0.3 supports the following versions of FortiMail:

- 7.0.0 and later
- 6.4.0 and later
- 6.2.0 and later

FortiProxy

FortiManager 7.0.3 supports configuration management for the following versions of FortiProxy:

- 7.0.2



Configuration management support is identified as *Management Features* in these release notes. See [Feature support on page 23](#).

FortiManager 7.0.3 supports logs from the following versions of FortiProxy:

- 7.0.0 to 7.0.5
- 2.0.0 to 2.0.5
- 1.2.0 to 1.2.13
- 1.1.0 to 1.1.6
- 1.0.0 to 1.0.7

FortiSandbox

FortiManager 7.0.3 supports the following versions of FortiSandbox:

- 4.2.0 and later
- 4.0.0 and 4.0.1
- 3.2.0 and later
- 3.1.0 and later

FortiSOAR

FortiManager 7.0.3 supports the following versions of FortiSOAR:

- 6.4.0 and later
- 6.0.0 and later

FortiSwitch ATCA

FortiManager 7.0.3 supports the following versions of FortiSwitch ATCA:

- 5.2.0 and later
- 5.0.0 and later
- 4.3.0 and later

FortiTester

FortiManager 7.0.3 supports the following versions of FortiTester:

- 7.0.0 and later
- 4.2.0 and later
- 4.1.0 and later

FortiWeb

FortiManager 7.0.3 supports the following versions of FortiWeb:

- 7.0.0 and later
- 6.4.0 and later
- 6.3.0 and later

Virtualization

FortiManager 7.0.3 supports the following virtualization software:

- Amazon Web Service AMI, Amazon EC2, Amazon EBS
- Citrix XenServer 7.2
- Google Cloud Platform
- Linux KVM Redhat 7.1
- Microsoft Azure
- Microsoft Hyper-V Server 2012, 2016, and 2019
- Nutanix AHV (AOS 5.10.5)
- OpenSource XenServer 4.2.5
- Oracle Private Cloud
- VMware ESXi versions 5.0, 5.5, 6.0, 6.5 , 6.7, and 7.0

Feature support

The following table lists FortiManager feature support for managed platforms.

| Platform | Management Features | FortiGuard Update Services | VM License Activation | Reports | Logging |
|----------------------|---------------------|----------------------------|-----------------------|---------|---------|
| FortiGate | ✓ | ✓ | ✓ | ✓ | ✓ |
| FortiCarrier | ✓ | ✓ | ✓ | ✓ | ✓ |
| FortiADC | | ✓ | ✓ | | |
| FortiAnalyzer | | | ✓ | ✓ | ✓ |

| Platform | Management Features | FortiGuard Update Services | VM License Activation | Reports | Logging |
|-----------------------|---------------------|----------------------------|-----------------------|---------|---------|
| FortiAuthenticator | | | | | ✓ |
| FortiCache | | | ✓ | ✓ | ✓ |
| FortiClient | | ✓ | | ✓ | ✓ |
| FortiDDoS | | | ✓ | ✓ | ✓ |
| FortiDeceptor | | ✓ | | | |
| FortiFirewall | ✓ | | | | ✓ |
| FortiFirewall Carrier | ✓ | | | | ✓ |
| FortiMail | | ✓ | ✓ | ✓ | ✓ |
| FortiProxy | ✓ | ✓ | ✓ | ✓ | ✓ |
| FortiSandbox | | ✓ | ✓ | ✓ | ✓ |
| FortiSOAR | | ✓ | ✓ | | |
| FortiSwitch ATCA | ✓ | | | | |
| FortiTester | | ✓ | | | |
| FortiWeb | | ✓ | ✓ | ✓ | ✓ |
| Syslog | | | | | ✓ |

Language support

The following table lists FortiManager language support information.

| Language | GUI | Reports |
|-----------------------|-----|---------|
| English | ✓ | ✓ |
| Chinese (Simplified) | ✓ | ✓ |
| Chinese (Traditional) | ✓ | ✓ |
| French | | ✓ |
| Japanese | ✓ | ✓ |
| Korean | ✓ | ✓ |
| Portuguese | | ✓ |
| Spanish | | ✓ |

To change the FortiManager language setting, go to *System Settings > Admin > Admin Settings*, in *Administrative Settings > Language* select the desired language on the drop-down menu. The default value is *Auto Detect*.

Russian, Hebrew, and Hungarian are not included in the default report languages. You can create your own language translation files for these languages by exporting a predefined language from FortiManager, modifying the text to a different language, saving the file as a different language name, and then importing the file into FortiManager. For more information, see the *FortiManager Administration Guide*.

Supported models

The following tables list which FortiGate, FortiCarrier, FortiDDoS, FortiAnalyzer, FortiMail, FortiSandbox, FortiSwitch ATCA, FortiWeb, FortiCache, FortiProxy, and FortiAuthenticator models and firmware versions that can be managed by a FortiManager or send logs to a FortiManager running version 7.0.3.



Software license activated LENC devices are supported, if their platforms are in the supported models list. For example, support of FG-3200D indicates support of FG-3200D-LENC.

This section contains the following topics:

- [FortiGate models on page 25](#)
- [FortiGate special branch models on page 29](#)
- [FortiCarrier models on page 30](#)
- [FortiADC models on page 31](#)
- [FortiAnalyzer models on page 32](#)
- [FortiAuthenticator models on page 32](#)
- [FortiCache models on page 33](#)
- [FortiDDoS models on page 33](#)
- [FortiDeceptor models on page 33](#)
- [FortiFirewall models on page 33](#)
- [FortiFirewallCarrier models on page 34](#)
- [FortiMail models on page 34](#)
- [FortiProxy models on page 34](#)
- [FortiSandbox models on page 34](#)
- [FortiSOAR models on page 35](#)
- [FortiSwitch ATCA models on page 35](#)
- [FortiTester models on page 35](#)
- [FortiWeb models on page 36](#)

FortiGate models

The following FortiGate models are released with FortiOS firmware. For information about supported FortiGate models on special branch releases of FortiOS firmware, see [FortiGate special branch models on page 29](#).

| Model | Firmware Version |
|--|------------------|
| FortiGate: FortiGate-40F, FortiGate-40F-3G4G, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60EDSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-80E, FortiGate80E-POE, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-80F-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-81F, FortiGate-81F-POE, FortiGate-90E, FortiGate-91E, FortiGate-100E, FortiGate-100EF, FortiGate-100F, FortiGate-101E, FortiGate-101F, FortiGate-140E, FortiGate-140E-POE, FortiGate-200E, FortiGate-200F, FortiGate-201E, FortiGate-201F, FortiGate-300D, FortiGate-300E, FortiGate301E, FortiGate-400D, FortiGate-400E, FortiGate-400E-Bypass, FortiGate-401E, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600D, FortiGate600E, FortiGate-601E, FortiGate-800D, FortiGate-900D, FortiGate-1000D, FortiGate-1100E, FortiGate-1101E, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-2000E, FortiGate-2200E, FortiGate2201E, FortiGate-2500E, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3300E, FortiGate-3301E, FortiGate-3400E, FortiGate-3401E, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate3960E, FortiGate-3980E FortiGate 5000 Series: FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1 FortiGate DC: FortiGate-401E-DC, FortiGate-800D-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3400E-DC, FortiGate3401E-DC, FortiGate-3600E-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC, FortiGate-3815D-DC, FortiGate-3960E-DC, FortiGate-3980E-DC FortiWiFi: FortiWiFi-40F, FortiWiFi-40F-3G4G, FortiWiFi-60E, FortiWiFi-60E-DSL, FortiWiFi-60E-DSLJ, FortiWiFi-60F, FortiWiFi-61E, FortiWiFi-61F, FortiWiFi-80F-2R, FortiWiFi-81F-2R, FortiWiFi-81F-2R-3G4G-POE, FortiWiFi-81F-2R-POE FortiGate VM: FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-AWS, FortiGate-VM64-AZURE, FortiGate-VM64-GCP, FortiGate-VM64-HV, FortiGate-VM64-IBM, FortiGate-ARM64-KVM, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGateVM64-Xen, FortiGate-VMX, FortiGate-VMX-Service-Manager, FortiGate-VM64-IBM FortiOS: FortiOS-VM64, FortiOS-VM64-HV, FortiOS-VM64-KVM, FortiOS-VM64-Xen FortiGateRugged: FortiGateRugged-60F, FortiGateRugged-60F-3G4G | 7.0 |

| Model | Firmware Version |
|--|------------------|
| FortiGate: FortiGate-40F, FortiGate-40F-3G4G, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60E-DSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-80E, FortiGate-80E-POE, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-81E, FortiGate-81E-POE, FortiGate-81F, FortiGate-90E, FortiGate-91E, FortiGate-100D, FortiGate-100E, FortiGate-100EF, FortiGate-100F, FortiGate-101E, FortiGate-101F, FortiGate-140E, FortiGate-140E-POE, FortiGate-200E, FortiGate-200F, FortiGate-201E, FortiGate-201F, FortiGate-300D, FortiGate-300E, FortiGate-301E, FortiGate-400D, FortiGate-400E, FortiGate-400E-Bypass, FortiGate-401E, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600D, FortiGate-600E, FortiGate-601E, FortiGate-800D, FortiGate-900D, FortiGate-1000D, FortiGate-1100E, FortiGate-1101E, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-2000E, FortiGate-2200E, FortiGate-2201E, FortiGate-2500E, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3300E, FortiGate-3301E, FortiGate-3400E, FortiGate-3401E, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate-3960E, FortiGate-3980E FortiGate 5000 Series: FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1 FortiGate DC: FortiGate-401E-DC, FortiGate-800D-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3400E-DC, FortiGate-3401E-DC, FortiGate-3600E-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC, FortiGate-3815D-DC, FortiGate-3960E-DC, FortiGate-3980E-DC FortiGate Hardware Low Encryption: FortiGate-100D-LENC FortiWiFi: FortiWiFi-40F, FortiWiFi-40F-3G4G, FortiWiFi-60E, FortiWiFi-60E-DSL, FortiWiFi-60E-DSLJ, FortiWiFi-60F, FortiWiFi-61E, FortiWiFi-61F, FortiGate VM: FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-AWS, FortiGate-VM64-AZURE, FortiGate-VM64-AZUREONDEMAND, FortiGate-VM64-GCP, FortiGate-VM64-GCPONDEMAND, FortiGate-VM64-HV, FortiGate-VM64-IBM, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGate-VM64-Xen, FortiGate-VMX, FortiGate-VMX-Service-Manager, FortiGate-VM64-IBM FortiOS: FortiOS-VM64, FortiOS-VM64-HV, FortiOS-VM64-KVM, FortiOS-VM64-Xen FortiGateRugged: FortiGateRugged-60F, FortiGateRugged-60F-3G4G | 6.4 |

| Model | Firmware Version |
|--|------------------|
| FortiGate: FortiGate-30E, FortiGate-30E-3G4G-GBL, FortiGate-30E-3G4G-INTL, FortiGate-30E-3G4G-NAM, FortiGate-40F, FortiGate-40F-3G4G, FortiGate-50E, FortiGate-51E, FortiGate-52E, FortiGate-60E, FG-60E-DSL, FG-60E-DSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-80D, FortiGate-80E, FortiGate-80E-POE, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-80F-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-81F, FortiGate-81F-POE, FortiGate-90E, FortiGate-91E, FortiGate-92D, FortiGate-100D, FortiGate-100E, FortiGate-100EF, FortiGate-100F, FortiGate-101E, FortiGate-101F, FortiGate-140D, FortiGate-140D-POE, FortiGate-140E, FortiGate-140E-POE, FortiGate-200E, FortiGate-201E, FortiGate-300D, FortiGate-300E, FortiGate-301E, FortiGate-400D, FG-400E, FG-400E-Bypass, FG-401E, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600D, FortiGate-600E, FortiGate-601E, FortiGate-800D, FortiGate-900D, FortiGate-1000C, FortiGate-1000D, FortiGate-1100E, FortiGate-1101E, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-2000E, FortiGate-2200E, FortiGate-2201E, FortiGate-2500E, FortiGate-3000D, FortiGate-3100D, FortiGate-3200D, FortiGate-3300E, FortiGate-3301E, FortiGate-3400E, FortiGate-3401E, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate-3960E, FortiGate-3980E FortiGate 5000 Series: FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1 FortiGate 6000 Series: FortiGate-6000F, FortiGate-6300F, FortiGate-6301F, FortiGate-6500F, FortiGate-6501F FortiGate 7000 Series: FortiGate-7000E, FortiGate-7000F FortiGate DC: FortiGate-80C-DC, FortiGate-401E-DC, FortiGate-600C-DC, FortiGate-800C-DC, FortiGate-800D-DC, FortiGate-1000C-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-3000D-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3240C-DC, FortiGate-3400E-DC, FortiGate-3401E-DC, FortiGate-3600E-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3810D-DC, FortiGate-3815D-DC, FortiGate-3960E-DC, FortiGate-3980E-DC, FortiGate-6300F-DC, FortiGate-6301F-DC, FortiGate-6500F-DC, FortiGate-6501F-DC FortiGate Hardware Low Encryption: FortiGate-80C-LENC, FortiGate-100D-LENC, FortiGate-600C-LENC, FortiGate-1000C-LENC FortiWiFi: FortiWiFi-30E, FortiWiFi-30E-3G4G-INTL, FortiWiFi-30E-3G4G-NAM, FortiWiFi-40F, FortiWiFi-40F-3G4G, FortiWiFi-50E, FortiWiFi-50E-2R, FortiWiFi-51E, FortiWiFi-60E, FortiWiFi-60E-DSL, FortiWiFi-60E-DSLJ, FortiWiFi-60F, FortiWiFi-61E, FortiWiFi-61F, FortiWiFi-80F-2R, FortiWiFi-81F-2R, FortiWiFi-81F-2R-POE, FortiGate-VM: FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-ALIONDEMAND, FortiGate-VM64-AWS, FortiGate-VM64-AWSONDEMAND, FortiGate-VM64-AZUREONDEMAND, FortiGate-VM64-Azure, FortiGate-VM64-GCP, FortiGate-VM64-GCPONDEMAND, FortiGate-VM64-HV, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGate-VM64-Xen, FortiGate-VMX-Service-Manager FortiGate Rugged: FortiGateRugged-30D, FortiGateRugged-35D, FortiGateRugged-60F, FortiGateRugged-60F-3G4G, FortiGateRugged-90D FortiOS: FortiOS-VM64, FortiOS-VM64-HV, FortiOS-VM64-KVM, FortiOS-VM64-Xen | 6.2 |

FortiGate special branch models

The following FortiGate models are released on special branches of FortiOS. FortiManager version 7.0.3 supports these models on the identified FortiOS version and build number.

For information about supported FortiGate models released with FortiOS firmware, see [FortiGate models on page 25](#).

FortiOS 7.0

| FortiGate Model | FortiOS Version | FortiOS Build |
|--|-----------------|-----------------------------------|
| FortiGate-1800F, FortiGate-1800F-DC FortiGate-1801F, FortiGate-1801F-DC | 7.0 | Build 291 and special branch 4334 |
| FortiGate-3500F FortiGate-3501F | 7.0 | Build 294 and special branch 4344 |
| FortiGate-2600F, FortiGate-2600F-DC FortiGate-2601F, FortiGate-2601F-DC | 7.0 | Build 291 and special branch 4334 |
| FortiGate-4200F, FortiGate-4200F-DC FortiGate-4201F, FortiGate-4201F-DC | 7.0 | Build 291 and special branch 4334 |
| FortiGate-4400F, FortiGate-4400F-DC FortiGate-4401F, FortiGate-4401F-DC | 7.0 | Build 291 and special branch 4334 |

FortiOS 6.4

| FortiGate Model | FortiOS Version | FortiOS Build |
|---|-----------------|---------------|
| FortiGate-1800F, FortiGate-1800F-DC FortiGate-1801F, FortiGate-1801F-DC | 6.4.8 | 6165 |
| FortiGate-2600F, FortiGate-2600F-DC FortiGate-2601F, FortiGate-2601F-DC | 6.4.8 | 6165 |
| FortiGate-4200F, FortiGate-4200F-DC FortiGate-4201F, FortiGate-4201F-DC | 6.4.8 | 6165 |
| FortiGate-80F-POE, FortiGate-81F-POE | 6.4.7 | 5944 |
| FortiWiFi-80F-2R FortiWiFi-81F-2R FortiWiFi-81F-2R-3G4G-POE FortiWiFi-81F-2R-POE | 6.4.7 | 5944 |
| FortiGate-3500F | 6.4.6 | 5886 |
| FortiGate-3501F | 6.4.6 | 6132 |

| FortiGate Model | FortiOS Version | FortiOS Build |
|--|-----------------|---------------|
| FortiGate-4400F, FortiGate-4400F-DC FortiGate-4401F, FortiGate-4401F-DC | 6.4.6 | 5868 |
| FortiGate-6000F | 6.4.6 | 1766 |
| FortiGate-7000E, FortiGate-7000F | 6.4.6 | 1766 |

FortiOS 6.2

| FortiGate Model | FortiOS Version | FortiOS Build |
|--|-----------------|---------------|
| FortiGate-80D | 6.2.10 | 5168 |
| FortiGate-1800F, FortiGate-1800F-DC FortiGate-1801F, FortiGate-1801F-DC | 6.2.9 | 7197 |
| FortiGate-2600F, FortiGate-2600F-DC FortiGate-2601F, FortiGate-2601F-DC | 6.2.9 | 7197 |
| FortiGate-4200F, FortiGate-4200F-DC FortiGate-4201F, FortiGate-4201F-DC | 6.2.9 | 7197 |
| FortiGate-4400F, FortiGate-4400F-DC | 6.2.9 | 7197 |
| FortiGate-4401F, FortiGate-4401F-DC | 6.2.9 | 7197 |
| FortiWiFi-80F-2R-3G4G-DSL FortiWiFi-81F-2R-3G4G-DSL | 6.2.6 | 7219 |
| FortiWiFi-81F-2R-3G4G-POE | 6.2.6 | 7099 |
| FortiWiFi-81F-2R-3G4G-POE | 6.2.6 | 7099 |

FortiCarrier models

| Model | Firmware Version |
|--|------------------|
| FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3300E, FortiCarrier-3301E, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3500F, FortiCarrier-3501F, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E, FortiCarrier-5001D, FortiCarrier-5001E, FortiCarrier-5001E1 FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3400E-DC, FortiCarrier-3401E-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC | 7.0 |

| Model | Firmware Version |
|---|------------------|
| FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-ALI, FortiCarrier-VM64-AWS, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-IBM, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen, FortiCarrier-ARM64-KVM | |
| FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3300E, FortiCarrier-3301E, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3500F, FortiCarrier-3501F, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E, FortiCarrier-5001D, FortiCarrier-5001E, FortiCarrier-5001E1 FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3400E-DC, FortiCarrier-3401E-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-ALI, FortiCarrier-VM64-AWS, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-IBM, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen | 6.4 |
| FortiCarrier: FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3300E, FortiCarrier-3301E, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E, FortiCarrier-5001D, FortiCarrier-5001E, FortiCarrier-5001E1 FortiCarrier-DC: FortiCarrier-3000D-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3400E-DC, FortiCarrier-3401E-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3810D-DC, FortiCarrier-3815D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC FortiCarrier 6K and 7K: FortiCarrier-6000F, FortiCarrier-6300F, FortiCarrier-6301F, FortiCarrier-6500F, FortiCarrier-6501F, FortiCarrier-7000E, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7000F, FortiCarrier-7121F, FortiCarrier-7121F-2 FortiCarrier 6K and 7K DC: FortiCarrier-6000F-DC, FortiCarrier-6300F-DC, FortiCarrier-6301F-DC, FortiCarrier-6500F-DC, FortiCarrier-6501F-DC, FortiCarrier-7060E-8-DC, FortiCarrier-7121F-DC, FortiCarrier-7121F-2-DC FortiCarrier-VM: FortiCarrier-VM64, FortiCarrier-VM64-ALI, FortiCarrier-VM64-AWS, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen | 6.2 |

FortiADC models

| Model | Firmware Version |
|--|------------------|
| FortiADC: FortiADC-100F, FortiADC-120F, FortiADC-200D, FortiADC-200F, FortiADC-220F, FortiADC-300D, FortiADC-300F, FortiADC-400D, FortiADC-400F, FortiADC-700D, FortiADC-1000F, FortiADC-1200F, FortiADC-1500D, FortiADC-2000D, FortiADC-2000F, FortiADC-2200F, FortiADC-4000D, FortiADC-4000F, FortiADC-4200F, FortiADC-5000F FortiADC VM: FortiADC-VM | 6.2 |

| Model | Firmware Version |
|---|------------------|
| FortiADC: FortiADC-100F, FortiADC-200D, FortiADC-200F, FortiADC-220F, FortiADC-300D, FortiADC-300F, FortiADC-400D, FortiADC-400F, FortiADC-700D, FortiADC-1000F, FortiADC-1200F, FortiADC-1500D, FortiADC-2000D, FortiADC-2000F, FortiADC-2200F, FortiADC-4000D, FortiADC-4000F, FortiADC-4200F, FortiADC-5000F FortiADC VM: FortiADC-VM | 6.0, 6.1 |

FortiAnalyzer models

| Model | Firmware Version |
|--|------------------|
| FortiAnalyzer: FortiAnalyzer-150G, FortiAnalyzer-200F, FortiAnalyzer-300F, FortiAnalyzer-300G, FortiAnalyzer-400E, FortiAnalyzer-800F, FortiAnalyzer-800G, FortiAnalyzer-1000F, FortiAnalyzer-2000E, FortiAnalyzer-3000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3500E, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3700F, FortiAnalyzer-3900E FortiAnalyzer VM: FortiAnalyzer-DOCKER, FortiAnalyzer-VM64, FortiAnalyzer-VM64-AWS, FortiAnalyzer-VM64-Azure, FortiAnalyzer-VM64-GCP, FortiAnalyzer-VM64-HV, FortiAnalyzer-VM64-KVM, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-Xen | 7.0 |
| FortiAnalyzer: FortiAnalyzer-150G, FortiAnalyzer-200F, FortiAnalyzer-300F, FortiAnalyzer-300G, FortiAnalyzer-400E, FortiAnalyzer-800F, FortiAnalyzer-800G, FortiAnalyzer-1000E, FortiAnalyzer-1000F, FortiAnalyzer-2000E, FortiAnalyzer-3000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3500E, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3700F, FortiAnalyzer-3900E FortiAnalyzer VM: FortiAnalyzer-DOCKER, FortiAnalyzer-VM64, FortiAnalyzer-VM64-ALI, FortiAnalyzer-VM64-ALI-OnDemand, FortiAnalyzer-VM64-AWS, FortiAnalyzer-VM64-AWSOnDemand, FortiAnalyzer-VM64-Azure, FortiAnalyzer-VM64-Azure-OnDemand, FortiAnalyzer-VM64-GCP, FortiAnalyzer-VM64-GCP-OnDemand, FortiAnalyzer-VM64-HV, FortiAnalyzer-VM64-KVM, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-Xen | 6.4 |
| FortiAnalyzer: FAZ-200D, FAZ-200F, FAZ-300D, FAZ-300F, FAZ-300G, FAZ-400E, FAZ-800F, FAZ-1000D, FAZ-1000E, FAZ-1000F, FAZ-2000E, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3000G, FAZ-3500E, FAZ-3500F, FAZ-3500G, FAZ-3700F and FAZ-3900E. FortiAnalyzer VM: FortiAnalyzer-DOCKER, FAZ-VM64, FAZ-VM64-Ali, FAZ-VM64-AWS, FAZ-VM64-AWS-OnDemand, FAZ-VM64-Azure, FAZ-VM64-GCP, FortiAnalyzer-VM64-GCP-OnDemand, FAZ-VM64-HV, FAZ-VM64-KVM, FAZ-VM64-OPC, and FAZ-VM64-XEN (Citrix XenServer and Open Source Xen). | 6.2 |

FortiAuthenticator models

| Model | Firmware Version |
|--|------------------|
| FortiAuthenticator: FAC-200D, FAC-200E, FAC-300F, FAC-400C, FAC-400E, FAC-800F, FAC-1000C, FAC-1000D, FAC-2000E, FAC-3000D, FAC-3000E FortiAuthenticator VM: FAC-VM | 6.2, 6.3, 6.4 |

FortiCache models

| Model | Firmware Version |
|--|------------------|
| FortiCache: FCH-400C, FCH-400E, FCH-1000C, FCH-1000D, FCH-3000C, FCH-3000D, FCH-3000E, FCH-3900E FortiCache VM: FCH-KVM, FCH-VM64 | 4.1, 4.2 |
| FortiCache: FCH-400C, FCH-400E, FCH-1000C, FCH-1000D, FCH-3000C, FCH-3000D, FCH-3900E FortiCache VM: FCH-VM64 | 4.0 |

FortiDDoS models

| Model | Firmware Version |
|--|------------------|
| FortiDDoS: FortiDDoS-200F, FortiDDoS-1500F FortiDDoS VM: FortiDDoS-VM | 6.0, 6.1, 6.2 |

FortiDeceptor models

| Model | Firmware Version |
|---|------------------|
| FortiDeceptor: FDC-1000F, FDC-1000G FortiDeceptor Rugged: FDCR-100G FortiDeceptor VM: FDC-VM | 4.1 |
| FortiDeceptor: FDC-1000F, FDC-1000G FortiDeceptor Rugged: FDCR-100G FortiDeceptor VM: FDC-VM | 4.0 |
| FortiDeceptor: FDC-1000F, FDC-3000D FortiDeceptor VM: FDC-VM | 3.3 |

FortiFirewall models

Some of the following FortiFirewall models are released on special branches of FortiFirewall firmware. FortiManager version 7.0.3 supports these models on the identified FortiFirewall firmware version and build number.

| Model | Firmware Version | Firmware Build |
|--|------------------|----------------|
| FortiFirewall: FortiFirewall-3980E FortiFirewall DC: FortiFirewall-3980E-DC | 6.2 | 1262 |
| FortiFirewall: FortiFirewall-4200F | 6.2.7 | 5141 |
| FortiFirewall: FortiFirewall-4400F | 6.2.7 | 5148 |

FortiFirewallCarrier models

The following FortiFirewallCarrier models are released on special branches of FortiFirewallCarrier firmware. FortiManager version 7.0.3 supports these models on the identified FortiFirewallCarrier firmware version and build number.

| Model | Firmware Version | Firmware Build |
|---|------------------|----------------|
| FortiFirewallCarrier: FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F | 6.2.7 | 5148 |

FortiMail models

| Model | Firmware Version |
|---|------------------|
| FortiMail: FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-1000D, FE-2000E, FE-2000F, FE-3000D, FE-3000E, FE-3000F, FE-3200E FortiMail VM: FML-VM | 7.0 |
| FortiMail: FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-1000D, FE-2000E, FE-3000D, FE-3000E, FE-3200E FortiMail VM: FML-VM | 6.2, 6.4 |

FortiProxy models

| Model | Firmware Version |
|---|------------------|
| FortiProxy: FPX-400E, FPX-2000E, FPX-4000E FortiProxy VM: FortiProxy-AWS, FortiProxy-Azure, FortiProxy-GCP, FortiProxy-HyperV, FortiProxy-KVM, FortiProxy-VM64 | 7.0 |
| FortiProxy: FPX-400E, FPX-2000E, FPX-4000E FortiProxy VM: FortiProxy-KVM, FortiProxy-VM64 | 1.2, 2.0 |

FortiSandbox models

| Model | Firmware Version |
|--|------------------|
| FortiSandbox: FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D FortiSandbox DC: FSA-1000F-DC FortiSandbox-VM: FortiSandbox-AWS, FortiSandbox-Cloud, FSA-VM | 4.0 |
| FortiSandbox: FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3500D FortiSandbox DC: FSA-1000F-DC | 3.1, 3.2 |

| Model | Firmware Version |
|--|------------------|
| FortiSandbox-VM: FortiSandbox-AWS, FSA-VM | |

FortiSOAR models

| Model | Firmware Version |
|-----------------------------------|------------------|
| FortiSOAR VM: FortiSOAR-VM | 6.0, 6.4 |

FortiSwitch ATCA models

| Model | Firmware Version |
|---|------------------|
| FortiController: FTCL-5103B, FTCL-5903C, FTCL-5913C | 5.2 |
| FortiSwitch-ATCA: FS-5003A, FS-5003B FortiController: FTCL-5103B | 5.0 |
| FortiSwitch-ATCA: FS-5003A, FS-5003B | 4.3 |

FortiTester models

| Model | Firmware Version |
|---|------------------|
| FortiTester: FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F FortiTester VM: FortiTester-VM, FortiTester-VM-ALI-BYOL, FortiTester-VM-ALI-PAYG, FortiTester-VM-AWS-BYOL, FortiTester-VM-AWS-PAYG, FortiTester-VM-AZURE-BYOL, FortiTester-VM-AZURE-PAYG, FortiTester-VM-GCP-BYOL, FortiTester-VM-GCP-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG | 7.0 |
| FortiTester: FortiTester-60F, FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F FortiTester VM: FortiTester-VM, FortiTester-VM-ALI-BYOL, FortiTester-VM-ALI-PAYG, FortiTester-VM-AWS-BYOL, FortiTester-VM-AWS-PAYG, FortiTester-VM-AZURE-BYOL, FortiTester-VM-AZURE-PAYG, FortiTester-VM-GCP-BYOL, FortiTester-VM-GCP-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG | 4.2 |
| FortiTester: FortiTester-60F, FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F FortiTester VM: FortiTester-VM, FortiTester-VM-ALI-BYOL, FortiTester-VM-ALI-PAYG, FortiTester-VM-AWS-BYOL, FortiTester-VM-AWS-PAYG, FortiTester-VM-AZURE-BYOL, FortiTester-VM-AZURE-PAYG, FortiTester-VM-GCP-BYOL, FortiTester-VM-GCP-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG | 4.1 |

FortiWeb models

| Model | Firmware Version |
|---|------------------|
| FortiWeb: FortiWeb-100D, FortiWeb-100E, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-600D, FortiWeb-600E, FortiWeb-1000D, FortiWeb-1000E, FortiWeb-2000E, FortiWeb-2000F, FortiWeb-3000C, FortiWeb-3000CFSX, FortiWeb-3000D, FortiWeb-3000DFSX, FortiWeb-3000E, FortiWeb-3000F, FortiWeb-3010E, FortiWeb-4000C, FortiWeb-4000D, FortiWeb-4000E, FortiWeb-4000F FortiWeb VM: FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-Docker, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer | 6.4, 7.0 |
| FortiWeb: FortiWeb-100D, FortiWeb-100E, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-600D, FortiWeb-600E, FortiWeb-1000D, FortiWeb-1000E, FortiWeb-2000E, FortiWeb-3000C, FortiWeb-3000CFSX, FortiWeb-3000D, FortiWeb-3000DFSX, FortiWeb-3000E, FortiWeb-3010E, FortiWeb-4000C, FortiWeb-4000D, FortiWeb-4000E FortiWeb VM: FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-Docker, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer | 6.3 |

Resolved Issues

The following issues have been fixed in 7.0.3. For inquiries about a particular bug, please contact [Customer Service & Support](#).

AP Manager

| Bug ID | Description |
|--------|--|
| 691540 | Where Used should indicate that an AP is still in use in one or more FortiGate devices. |
| 697444 | SSID with MPSK may not pass verification during an install. |
| 726287 | Deleting Floor Map may return a blank popup with error. |
| 750255 | FortiManager should enable DFS channels on WTP profiles for FAP234F and FAP231F with region N. |
| 750458 | AP Manager should not send local-authentication for VAP with wpa-enterprise and Radius to managed FortiGate. |
| 755675 | FortiManager may remove radius configuration from VAP when using "security wpa3-enterprise". |
| 757706 | FortiManager might downgrade FortiAP with enforce firmware version. |
| 763233 | AP profile may not contain SSID when AP Manager is in central management mode. |
| 772194 | FortiManager should not install the setting, set security-redirect-url, without making any such change. |

Device Manager

| Bug ID | Description |
|--------|--|
| 673008 | SD-WAN Rules order changes to the default when creating a rule and moving it to the top. |
| 699893 | SD-WAN's priority-members is missing from CLI configuration page. |
| 709214 | System template should allow source interface to be selected when specify is activated as interface-select-method. |
| 712578 | FortiManager does not allow WiFi SSID with special characters. |
| 726721 | Unable to add multiple DNS domain names in provisioning template. |

| Bug ID | Description |
|--------|--|
| 729301 | A managed FortiGate with assigned CLI template remains in "modified" state following a successful device configure installation. |
| 733379 | FortiManager cannot edit global level configuration when management VDOM is not in the current ADOM. |
| 735360 | When editing a device group, search results do not show the device if VDOM name is matched by search keyword first. |
| 740428 | Device Manager is unable to display and download conflict URL filter firewall objects during import. |
| 740893 | Secondary IP may be purged when setting a description to VLAN interface. |
| 742543 | NTP server system template advance options may not be saved. |
| 744628 | After exported system template, importing the same configuration via CLI may fail. |
| 744973 | FortiManager GUI throws an error when switching from Policy & Objects to Device Manager. |
| 747955 | There may be performance issue when onboarding new SD-WAN devices. |
| 748240 | When FortiAnalyzer is managed via FortiManager, new devices that are registered to FortiManager should be synchronization under the corresponding ADOM on FortiAnalyzer. |
| 749823 | Named Address Static Route with SD-WAN cannot be selected on FortiManager. |
| 749923 | SD-WAN logs cannot be saved for some devices when sdwan-monitor-history is set as enabled. |
| 750303 | Under <i>System > Interface</i> , the data shown on this page may be incomplete. |
| 750838 | FortiManager may fail to import device list from another FortiManager due to the meta field containing prefix "_meta_". |
| 752666 | Provisioning System Templates page may stuck when an entry contains forward slash character. |
| 753258 | FortiManager may be unable to show SD-WAN monitor data when the rtmmond daemon is stuck. |
| 754228 | If a device group has been added as a group member, it should reside only as a group member and not as a root device group. |
| 754465 | FortiManager should also count promoted hidden devices. |
| 754952 | Deleting an interface referenced in the dashboard stops FortiManager auto-update. |
| 755388 | SD-WAN Monitor may not display any device when a device does not have any port monitor data. |
| 755519 | Zero-touch provisioning with script installation may fail due to duplicated snmp-index. |
| 759905 | When creating a device zone, device mapping may not be created when the zone is mapped to a normalized interface with the 'map as zone only' option. |
| 760099 | When creating EMAC VLAN from <i>Device Manager</i> , FortiManager should show VLAN ID field. |

| Bug ID | Description |
|--------|---|
| 760132 | <i>Device Manager</i> may not be able to delete FortiGate-7000E HA cluster members. |
| 760579 | FortiManager may not be able to install meta field variable used in SD-WAN profile to multiple FortiGate devices. |
| 762082 | When creating a Static Route, FortiManager may take a few seconds to display available "Named Address". |
| 762365 | When creating a static route, FortiManager may not be able to assign interface. |
| 762650 | FortiManager is sending commands which do not exist in FortiGates; issue happens only on 80/81F and 60F. |
| 763797 | Installation fails due to configuring forward-error-correction on FortiGate's interfaces. |
| 767647 | Map view may not show device status properly. |
| 769303 | FortiManager may not be able to delete Firmware Template with special characters. |
| 770829 | FortiManager may raise error when using the meta field SD-WAN template neighbor. |
| 773147 | Installation fails due to the unexpected system interface config changes for "pvc" related settings. |

FortiSwitch Manager

| Bug ID | Description |
|--------|---|
| 748200 | FortiSwitch monitor may show incorrect interface status for QSFP port. |
| 756609 | There may be issues to rename FortiSwitch template if it is imported using the import configuration option. |
| 760538 | Adding a new FortiSwitch template for FortiSwitch-108F may fail due to invalid data source for dsl-profile. |
| 764258 | FortiManager should not update trunk-member value as it is controlled by FortiGate. |
| 770471 | Importing FortiSwitch may fail due to NAC segment. |

Global ADOM

| Bug ID | Description |
|--------|--|
| 660852 | FortiManager should not save invalid default value for ssl-ssh-profile in global database. |
| 725763 | Automatic install to ADOM devices may fail from Global ADOM. |

| Bug ID | Description |
|--------|--|
| 741942 | FortiManager should show clear error message for duplicated object assigned from Global ADOM. |
| 755201 | Policy package list is empty after created an admin and specific the access to Global ADOM. |
| 758903 | After upgraded FortiManager, all Global policies are still assigned as before but with Status "Pending changes". |
| 760417 | Internet Services may not be displayed in Global Database ADOM. |
| 760804 | FortiManager may return an error when adding address object to global policy. |

Others

| Bug ID | Description |
|--------|---|
| 605560 | Flag is_model and linked_to_model are not working for add model device with JSON API. |
| 622448 | FortiManager should support the FortiClient EMS Fabric Connector. |
| 732116 | Setting of "FortiCloud Single Sign-On" is always displayed on login. |
| 738639 | Users should be able to obtain status of the fgfm reclaim-dev-tunnel via API call. |
| 740523 | Retrieve task may fail due to autoupdate file already been deleted by fgfm. |
| 744197 | If an VDOM is created and then get the VDOM information from JSON API, the VDOM mode may be shown as NULL. |
| 750419 | Execution of integrity check may remove dynamic mappings. |
| 756555 | There should be a diagnose command to reset or remove rating statistics database. |
| 763669 | FortiManager Pay-As-You-Go should support connect to FortiCare via proxy. |
| 764674 | Map should use the region defined by the coordinates in System Settings' Advanced Settings or the FortiManager's time zone. |
| 766105 | FortiManager may not be able to upgrade ADOM from 6.2 to 6.4 due to cdb crash. |

Policy and Objects

| Bug ID | Description |
|--------|---|
| 748467 | FortiManager does not have the same profiles as on FortiGate with explicit proxy policy. |
| 713886 | FortiManager returns an error, "method failure", when setting a shaping profile in normalized interface using per device mapping. |

| Bug ID | Description |
|--------|--|
| 717031 | FortiManager doesn't update the "Hit Count" number. |
| 718223 | Hyperscale firewall EIF shall not be enabled when IP pool with CGN overload configuration is used in a policy. |
| 719104 | FortiManager may not be able to select Internet Service group members when creating Internet Service group. |
| 721253 | FortiManager may not import all the roles and address groups from ClearPass. |
| 726328 | SSL-SSH profile may display incorrect options when using SSL Certificate Inspection. |
| 729179 | FortiManager may not be able to add Geography type address when interface mapping is enabled. |
| 732199 | FortiManager displays the group ID instead of display name with NSX-T Connector. |
| 733602 | FortiManager should support multiple GCP projects within a single SDN connector. |
| 736115 | FortiManager may not be able to create Web Forwarding Server Group. |
| 737062 | FortiManager may unset shaping profile with per-device mapping. |
| 738114 | FortiManager should return a proper message for error such as "get install scripts error (st=4,err=-8)". |
| 738475 | Special characters within policy's comment causes all policies missing on GUI. |
| 744049 | Proxy policy does not accept configuration with both ipv4 and ipv6 address objects. |
| 744766 | FortiManager may not be able to retrieve IP address for group with NSX-T v3.1.2. |
| 744934 | FortiManager may try to install undesirable changes to FortiGate-5001E, FortiGate-5001E1, and FortiGate-5001D. |
| 745884 | FortiManager GUI may not response when triggering policy package install wizard under Policy & Objects. |
| 747537 | Where Used should show the correct object references for newly cloned objects. |
| 747558 | FortiManager filters should work for HitCounters, First Session, and Last session. |
| 748222 | Cloning of a policy package is greyed out for admin users with restricted access to particular policy packager folder. |
| 748235 | Filtering by hit count may not work for policies. |
| 748246 | "Where Used" may result an empty top left frame for policy packages. |
| 748498 | There may be issue with Transparent Web Proxy when using interface pair view. |
| 748556 | FortiManager should not allow users to create Explicit proxy FTP with pool name. |
| 749576 | FortiManager may try to install hidden synproxy parameters for DOS policy to FortiGate. |
| 750539 | If FortiGate allows selecting LogMeIn app using specific filter override, FortiManager should also allow it. |
| 750882 | User may not be able to save changes in SSL/SSH inspection profile from GUI. |

| Bug ID | Description |
|--------|---|
| 751137 | There may be install performance issue when there is a huge number of dynamic mappings and there are many FortiAP or FortiSwitch devices. |
| 751710 | Editing a global user FSSO object's dynamic mapping is not possible. |
| 752777 | FortiManager should be able to manage valid authentication rules containing "User-Agent" proxy address. |
| 752822 | FortiManager may not response when adding a firewall address or group to a policy and changing the policy comment at the same time. |
| 754225 | Policy package status is out of sync without changes. |
| 755072 | Type mac address object without any mac addresses listed causes addresses table does not show entries. |
| 755233 | FortiManager should install the agent successfully for FSSO via FortiGate. |
| 755252 | Plus "+" sign should be added for SMS phone number when two-factor FortiToken Cloud is enabled. |
| 755348 | FortiManager should support more than one thousand traffic shapers. |
| 757164 | FortiManager database contains parameter webfilter-searchengine-Baidu-gb2312 that does not exist on FortiGate. |
| 758021 | After upgrading FortiManager, editing a policy with locking policy package duplicates the policy. |
| 758526 | FortiManager should be able to delete many per-device mappings quickly. |
| 758534 | Address objects which are MAC Address type may not be lost after upgrade. |
| 758809 | When policy package in policy-based NGFW mode, FortiManager may still set action to accept even when the policy is specified as deny. |
| 760436 | FortiManager may not be able to enable reputable website for SSL/SSH Inspection profile. |
| 760869 | Deleted objects may remain referenced in firewall policy. |
| 761072 | FortiManager may prompt "Cannot modify" error when using right-click menu to add object to policy. |
| 765793 | Adding custom signature with '_vdom-name' should not prevent pushing changes to numerous devices. |
| 765812 | Hyperscale policy packages do not show log server until you get into a policy. |
| 767317 | Policy Hit Count may not be updated for Read-Only admin. |
| 768353 | Commit action is taking too much time and it makes the FMG slow. |
| 769997 | Selection for user SAML as member under the user group may not take effect. |
| 770678 | Changing Action from Accept to Deny should ignore all UTM profiles within the firewall policy. |
| 770700 | FortiManager may install changes to a different device than the FortiGate selected. |

Revision History

| Bug ID | Description |
|--------|---|
| 618305 | FortiManager changes configuration system csf settings. |
| 657424 | FortiManager may disable the "l2forward" and "stpforward" settings on virtual switch interface when installing policy package. |
| 660525 | When installing from FortiManager, it may unset comment, organization, and subnet-name during install. |
| 691240 | FortiManager should not unset the value <i>forward-error-correction</i> with certain FortiGate platforms. |
| 700495 | FortiManager 6.2 ADOM may be sending set synproxy to FortiGate-1801F. |
| 722604 | After removed a member of user group that is used only in XAUTH, FortiManager is not deleting the unused local user on FortiGate. |
| 740858 | GCP project name must be set during install. |
| 748350 | Explicit proxy FTP ssl-ssh-profile application-list may not be installed. |
| 748462 | FortiManager should not set the HA interface IP under the central-management on FortiGate when the master unit fails. |
| 750637 | FortiGate-5001E, FortiGate-5001E1, and FortiGate-5001D may be mistakenly set to support switch-profile. |
| 751771 | Users may not be able to create hardware switch interface from FortiManager. |
| 751776 | Renaming IPSec Phase1 that is a member of a zone causes all zone related rules to be re-created. |
| 752764 | Install wizard may purge key-string for OSPF interface authentication. |
| 753724 | After imported and edited policy with NAT46, the subsequent install may fail due to NAT setting. |
| 754081 | Application Control signatures belong to Industrial Category are removed from FortiGate in split mode during policy install. |
| 755059 | After disabled NAT on hyperscale policy, there may be installation failure on unset action. |
| 756508 | FortiManager may unset chassis ID causing HA cluster lost. |
| 757716 | There may be install issue with Web Filter's "config ftgd-wf" which does not exist on NGFW policy mode on FortiGate. |
| 761968 | FortiManager may not be able to install resource limits to FortiGate. |
| 764497 | FortiManager should not create a new wildcard FQDN object while renaming it. |
| 767824 | FortiManager may unexpectedly delete custom signature when installing policy package. |

Script

| Bug ID | Description |
|--------|---|
| 384139 | Filter does not work on device group. |
| 654700 | Users need to open "View Script Execution History" to see that TCL script fails. |
| 740938 | Direct CLI script may fail when it contains an 'exec' command. |
| 757156 | When running CLI script remotely on 100+ firewalls, partial configuration is retrieved and it may cause routing to be removed from device database. |
| 762611 | Policy package status should not go out-of-sync when an automated script is triggered. |

Services

| Bug ID | Description |
|--------|---|
| 718256 | FMG-VM64-AWSONDemand may not retrieve the proper license when it is behind a proxy. |
| 746680 | FortiGate cannot update to latest patch due to image list not updated. |
| 753871 | FortiClient packages should not continue to be received once the service for that firmware version has been disabled. |

System Settings

| Bug ID | Description |
|--------|---|
| 687992 | Backup that includes IPSec VPN cannot be restored. |
| 553488 | TACACS is unable to assign multiple ADOMs to admins. |
| 634220 | Event logs should record changes related to CLI Template. |
| 640670 | If a user specified ADOMs including global ADOM, workflow approval may not be able to find the same user. |
| 697328 | When trying to change Chassis ADOM status to disable, FortiManager may prompt "not defined" error. |
| 706303 | Template assignment or save may not generate clear Event logs. |
| 734422 | The "svc sys" daemon may have high memory usage when API is used to upgrade FortiGate devices. |
| 737142 | FortiManager should support using the special character "@" in SNMP community name. |

| Bug ID | Description |
|--------|--|
| 738395 | FortiManager tasks' time used should not be increased by timezone. |
| 745288 | Meta field variable does not works in System Templates for interface widget when action is set as DHCP Server. |
| 745333 | Remote authentication servers should not be synchronized among HA members. |
| 745365 | Event log may be truncated when the log contains many address objects. |
| 745449 | Link color is not clear to see when hovering over or selecting the link. |
| 746568 | FortiManager may continuously changing NTP synchronization server. |
| 747181 | Idle timeout may not work for SSO user. |
| 748237 | Users may not be able to disable ADOM via GUI or CLI. |
| 748860 | User may not be able to upgrade Backup ADOM. |
| 751069 | User may not be able to disable ADOM after upgrade. |
| 758975 | FortiManager may not be able to upgrade ADOM from v6.4 to v7.0 due to change with replacement message. |
| 760427 | FortiManager is not able to upload MIB files without any error message. |
| 762708 | LDAP may stuck for twenty seconds if LDAP is not responding. |

VPN Manager

| Bug ID | Description |
|--------|--|
| 735417 | FortiManager may purge mac-addr-check-rule when installing to FortiGate. |
| 748488 | Cloned VPN Phase1 interface may have several different parameters than the original interface. |
| 750227 | Removing a spoke or hub from VPN community may result in partial configuration removal. |
| 757734 | FortiManager may unset peer if "peertype" is not set as "peer". |

Common Vulnerabilities and Exposures

Visit <https://fortiguard.com/psirt> for more information.

| Bug ID | CVE references |
|--------|---|
| 770575 | FortiManager 7.0.3 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"> CVE-2022-22300 |

Known Issues

The following issues have been identified in 7.0.3. For inquiries about a particular bug or to report a bug, please contact [Customer Service & Support](#).

AP Manager

| Bug ID | Description |
|--------|--|
| 708100 | AP Manager cannot show Channels when 160 MHz channel width is set. |
| 749820 | <i>AP Manager > SSID > Advanced Options</i> may not list objects under the settings "address-group". |
| 770234 | 5GHz DFS channels on AP Profile were not supported for FAP U231F. |
| 772213 | FortiManager may try to delete default <i>wtp 11ac-only profile</i> on FortiWiFi-60F causing install to fail. |
| 781561 | User may not be able to access AP Manager with custom read only admin profile. |
| 785471 | FortiManager was deleting wireless-controller wtp and the objects referenced by wtp during the first installation after the upgrade. |

Device Manager

| Bug ID | Description |
|--------|--|
| 545239 | After added FortiAnalyzer fabric ADOM to FortiManager, Device Manager's log status, Log Rate, or Device Storage column cannot get data from FortiAnalyzer. |
| 587404 | FortiManager sets incorrect captive-portal-port value when installing v6.0 PolicyPackage to v6.2 devices. |
| 651560 | SD-WAN monitor may stuck loading when admin user belongs to device group. |
| 677836 | The Client Address Range setting should allow users to configure assign-IPs from firewall address or group. |
| 704106 | Certificate Enrollment fails using SCEP on Microsoft server with sub-ca certificate chains. |
| 705212 | When editing device in HA cluster, admin password change is not applied to secondary unit. |
| 725334 | Importing policy package shows ngfw-mode policy-based with the inspection-mode set to proxy. |

| Bug ID | Description |
|--------|---|
| 729413 | FortiManager is missing peer options with dial up user configuration with VPN IPSec Phase 1. |
| 743102 | <i>Device & Groups > VPN Phase1/Phase2</i> does not show the proposal column when using FGT-VM type "FGVMIB". |
| 748578 | Retrieve FortiGate configuration may fail due to FSSO connector. |
| 751427 | Provisioning Template with empty name cannot be deleted or edited. |
| 752443 | Vertical scroll bar is missing in SD-WAN configuration. |
| 759255 | User may not be able to click on the check box to import configuration with 6.2 ADOM. |
| 759708 | The provisioning template 's status on Summary Dashboard always displays "Modified". |
| 763907 | Certificates CN information may be invalid when FortiGate is registered by Zero-Touch-Provisioning. |
| 764369 | FortiManager tries to install Security Fabric trusted list to all downstream FGs when a new one is added. |
| 764841 | FortiManager is unable to use secondary IP as source IP in DNS database. |
| 765762 | FortiManager is unable to install the <i>Switch controller > VLAN interface</i> configuration during the ZTP process. |
| 767185 | Unable to create route map rule using 'match-interface' when using the BGP Templates under the Provisioning Templates. |
| 770567 | When a device uses IPsec Tunnel Provisioning template with enable value for aggregate member, FortiManager may create a new system interface with the same name which is not expected behavior. |
| 770600 | Comma between IP address and subnet causes saving problem on Prefix List Rule under BGP Templates. |
| 773336 | FortiToken provision button is greyed out in Device Manager while it is enabled on FortiGate with the same token. |
| 776605 | Editing provisioning CLI template without any modification may cause device status changed to <i>Modified</i> . |
| 779836 | FortiManager cannot install TCP-connect using Random port for SD-WAN. |
| 779900 | Administrative user GUI-dashboard information should be deleted upon VDOM deletion. |
| 780833 | FortiManager cannot use space to set location under SNMP configuration. |
| 783517 | Input-Device under <i>CLI Configuration > System > SD-WAN > Service</i> displays loading forever. |
| 791117 | Unable to create simultaneous static routes with named address objects. |
| 791274 | When optional meta fields are being used users cannot edit the devices. |
| 793941 | Unable to install VPN psk with special characters through CLI template. |

| Bug ID | Description |
|--------|---|
| 794368 | Removing the objects from Device Level DB did not delete the objects' reference from ADOM Level DB. |
| 795913 | Error Probe Failure has been observed when adding FortiAnalyzer to FortiManager. |
| 799259 | Duplicate CSF groups for 7.0 FortiGates (7.0.2+) due to syntax returning upstream-ip instead of upstream. |

Global ADOM

| Bug ID | Description |
|--------|--|
| 691562 | Threat feeds global objects are not installed to destination ADOM when using the assign all object option. |
| 740942 | "srcintf" selector in Traffic Shaping Header or Footer Policy may not work in Global ADOM. |
| 743734 | Cannot remove objects from Global Database. |
| 752328 | Global database may be locked when viewing Workflow Session Diff. |
| 795327 | When adding an ADOM to Global Database, the message "Double global assignment exists" keeps showing up. |

Others

| Bug ID | Description |
|--------|---|
| 703585 | FortiManager may return 'Connection aborted' error with JSON API request. |
| 707911 | FortiManager should be able to assign VLAN interface to FortiExtender. |
| 729175 | FortiManager should highlight device consisting of specific IP address under <i>Fabric View</i> . |
| 747716 | JSON API does not return gateway for IPSec route. |
| 774872 | FortiManager should support more than 88 characters for password when backing up all settings. |
| 775574 | There is a Criteria Latency field which is different between FGT & FMG when creating the manual interface option for SDWAN rules. |
| 776342 | System NPU values may be different between FortiManager and FortiGate-1801F. |
| 776413 | FortiManager Lock/commit operation is very slow when FortiManager HA is enabled. |
| 781642 | FortiManager displays "failed to copy BRANCH_BGP_Recommended" error when performing the "check adom-integrity" test. |

| Bug ID | Description |
|--------|--|
| 781831 | FortiManager should be able to retrieve EMS tags using hostname of FortiClient EMS Server if its able to resolve the hostname. |
| 783226 | <i>Fabric View</i> may keep loading. |
| 786281 | During the installation, FortiManager displays Policy Consistency Check failure without any clear reason. |
| 792887 | Verification fail for default dnsfilter profile due to wrongly install "set category 0". |

Policy & Objects

| Bug ID | Description |
|--------|---|
| 701750 | The App Control set to Monitor in FortiManager causes the App to disappear from FortiGate. |
| 713692 | Web Filter Profile install may fail when using pre-defined URL filter. |
| 725427 | Policy package install skips the policy where destination interface is set as SD-WAN zone and policy is IPSEC policy. |
| 731037 | There may be File Filter file type mismatch between FortiGate and FortiManager. |
| 751767 | Export to excel when filters are applied for a policy package does not work. |
| 758494 | Searching members inside an address group does not work. |
| 758680 | Unable to complete the Cisco pxGrid fabric connector's configuration on FortiManager. |
| 767255 | FortiManager fails to install the custom signature because it is too long. |
| 770210 | Where used may not reporting used objects properly. |
| 770256 | FortiManager displays error when using "push to install" for objects utilized by policy blocks. |
| 771165 | Removing the objects from Device Level DB did not delete the object's reference from ADOM Level DB. |
| 771941 | FortiManager is unable to import or create virtual server with real servers using the same IP but different "http-host". |
| 773249 | FortiManager may not display the correct number of firewall address objects while adding the objects to DoS policy. |
| 773333 | For User, the configurations for two-factor-authentication and two-factor-notification should not lead to installation failure. |
| 773403 | FortiManager may now differentiate between the ISDB objects "Predefined Internet Services" and "IP Reputation Database". |
| 774058 | Rule list order may not be saved under File Filter Profile. |

| Bug ID | Description |
|--------|---|
| 774111 | FortiManager does not support Dynamic firewall address with sub-type Switch Controller NAC Policy TAG. |
| 774435 | Right-click menu to add object may return an error: "cgn-resource-quote:out of range". |
| 775128 | Unable to create more than 20 SAML users in policy package object. |
| 776361 | Policy lookup may not work if the managed devices are in Transparent mode. |
| 777017 | FortiManager purges the "arrp-profile" when installing the v6.2 policy packages to v6.4 FortiGates. |
| 777554 | There may be slowness when using Find Duplicate Objects with Merge tools. |
| 777879 | Copy fail error due to external-resource used in webfilter profile. |
| 778111 | Removing the objects from Device Level DB did not delete the object's reference from ADOM Level DB. |
| 779853 | When creating a Central DNAT policy in FortiManager, more services may not be added to policy with error: can't assign to property "from" on NaN: not an object. |
| 779947 | Address group changes for per-device mapping does not apply to FortiGate when Address group is used in policy route. |
| 779965 | Users may not be able to export firewall Header and Footer policies to Excel. |
| 781118 | 6.4 version ADOM policy package failed to enable policy NAT from GUI |
| 781118 | ADOM version 6.4 policy package failed to enable policy NAT from GUI. |
| 782435 | Moving a policy by dragging may not work properly. |
| 783899 | There may not be empty lines in "IPS Signature and Filters". |
| 785341 | Consolidated policy NAT is always disabled on the GUI. |
| 786684 | Installation fails because the virtual-wan-link did not exist. |
| 786740 | FortiManager displays Install failure due to adding "g-" prefix to the external-resource objects. |
| 789957 | Created time doesn't indicate AM or PM on the <i>Tools > Find Unused Policies</i> . |
| 792980 | Installation fails when trying to install SAML user configuration. |
| 793240 | <p>FortiManager fails to retrieve FortiGate's configuration when external-resource objects include a "g-" prefix.</p> <p>There are two workarounds; use the approach that works best for your environment. If it is possible, create a new backup of your FMG and FGT(s) before making any changes:</p> <p>First workaround approach:</p> <ol style="list-style-type: none"> 1. Re-create all threat feeds locally in VDOM configuration and update policies and security profiles that reference them to the local threat feed vs. the global feed. 2. Delete the global threat feed objects. <p>Second workaround approach:</p> <ol style="list-style-type: none"> 1. Perform policy reinstallation. FMG adds original threat feed objects within the VDOM |

| Bug ID | Description |
|--------|--|
| | configuration without the 'g' prefix. |
| | 2. FMG reports 'install OK/verify FAIL' at the end of the policy installation. |
| | 3. Run scripts to delete the global threat feed objects (objects with the 'g' prefix) from the FGT. |
| | 4. Retrieve the FGT configuration from FMG. |
| | 5. Perform another policy installation to update the configuration synchronization status between the FGT and FMG. No commands are pushed during this stage according to the install wizard. |
| 797091 | "Synchronize Firewall Addresses" under the FortiClient EMS Connector does not automatically create and synchronize addresses for all EMS tags. |
| 801876 | Installation failed due to "Copy global shared objects" failure. |
| 805783 | After the 6.0 ADOM upgrade, installing the same v6.0 policy package got "unset webfilter-profile" in wanopt proxy policy. |

Revision History

| Bug ID | Description |
|--------|--|
| 496870 | Fabric SDN connector is installed on FortiGate, even if it is not in use. |
| 729148 | Install fails when new transparent mode VDOM is added directly via FortiGate CLI and imported into FortiManager. |
| 774115 | After upgrade, install may fail for FSSO password when private-data-encryption is enabled. |
| 775577 | AutoUpdate may purge firewall shaping-profile. |

Script

| Bug ID | Description |
|--------|---|
| 766019 | Failed to run the Post-Run CLI Template due to the "datasrc invalid" error. |
| 767577 | Installing a script to device database fails if switch-interface member contains VXLAN interface. |
| 780604 | When creating a new phase1 interface, dpd=on-idle settings may not be saved. |
| 787113 | TCL scripts fails to run if the admin's password is longer than 36 characters. |
| 793407 | Installation fails if one of the BGP network prefix entry is a supernet. |

Services

| Bug ID | Description |
|--------|---|
| 798979 | FortiManager cannot download the latest IPS DB. |

System Settings

| Bug ID | Description |
|--------|--|
| 728972 | "fmDeviceEntSupportState" OID returns incorrect value for some devices. |
| 752916 | FortiManager should be able to set desired permissions for <i>Extender Manager</i> in administrator profile settings. |
| 753690 | SNMPv3 security option configuration has discrepancy between GUI and CLI. |
| 762663 | FortiManager should have the CA Identifier as configurable for SCEP server request. |
| 768636 | Password cannot be longer than 63 characters for configuration auto backup. |
| 768682 | Setting a Cluster ID for a model HA cluster results in an invalid group ID under config system HA. |
| 775091 | Two factor authentication fails when special characters are used in CN. |
| 777726 | FortiManager may not generate event logs for meta field changes. |
| 778405 | Script Groups should be copied with their members when cloning an ADOM. |
| 782345 | FortiManager may not be able to upgrade ADOM from 6.2 to 6.4: err=-2,Policy ippool (ippool6) name cannot be empty. |
| 783066 | The number of FortiGate devices registered is in the upper limit of the license count may causes HA becomes asynchronized. |
| 787588 | Webfiltering HTTPS 8888 is not working after FMG upgraded from 6.4.7 to 7.0.4. |
| 790409 | idle_timeout under admin's setting is not converted properly after performing the upgrade. |

VPN Manager

| Bug ID | Description |
|--------|--|
| 615890 | IPSec VPN Authusergrp option "Inherit from Policy" is missing when setting xauthtype as auto server. |

| Bug ID | Description |
|--------|---|
| 699759 | When installing a policy package, per device mapped objects used in SSL VPN cannot be installed. |
| 773710 | When editing an existing SSL VPN settings, the Banned-cipher and cipersuite may be keep changing. |
| 774040 | Keyboard-layout configuration in VPN SSL web portal predefined RDP bookmark generates incorrect commands. |
| 779498 | VPN monitor may not display correct information when FortiManager is in advanced ADOM mode. |
| 780154 | Policy package should be pushed to VPN hubs without error, "interface IP is 0". |

Appendix A - FortiGuard Distribution Servers (FDS)

In order for FortiManager to request and retrieve updates from FDS, and for FortiManager to serve as an FDS, please configure the necessary settings on all devices between FortiManager and FDS, or between FortiManager and FortiGate devices based on the following items:

- FortiManager accesses FDS for antivirus and attack updates through TCP/SSL port 443.
- If there is a proxy server between FortiManager and FDS, FortiManager uses port 80 to communicate with the proxy server by default, and connects to the proxy server using HTTP protocol.
- If FortiManager manages a FortiGate device located behind a proxy server, the proxy server permits TCP/SSL traffic to pass through port 443.

FortiGuard Center update support

You can configure FortiManager as a local FDS to provide FortiGuard updates to other Fortinet devices and agents on your network. The following table lists which updates are available per platform:

| Platform | Update Service | Query Service |
|---------------|----------------|---------------|
| FortiGate | ✓ | ✓ |
| FortiCarrier | ✓ | ✓ |
| FortiClient | ✓ | |
| FortiDeceptor | ✓ | ✓ |
| FortiMail | ✓ | ✓ |
| FortiProxy | ✓ | ✓ |
| FortiSandbox | ✓ | ✓ |
| FortiTester | ✓ | |
| FortiWeb | ✓ | |

Appendix B - Default and maximum number of ADOMs supported

This section identifies the supported number of ADOMs for FortiManager hardware models and virtual machines.

Hardware models

FortiManager supports a default number of ADOMs based on hardware model.

Some hardware models support an ADOM subscription license. When you purchase an ADOM subscription license, you increase the number of supported ADOMs. For example, you can purchase an ADOM subscription license for the FMG-3000G series, which allows you to use up to a maximum of 8000 ADOMs.

Other hardware models do not support the ADOM subscription license. For hardware models that do not support the ADOM subscription license, the default and maximum number of ADOMs is the same.

| FortiManager Platform | Default number of ADOMs | ADOM license support? | Maximum number of ADOMs |
|-----------------------|-------------------------|-----------------------|-------------------------|
| 200G Series | 30 | | 30 |
| 300F Series | 100 | | 100 |
| 400G Series | 150 | | 150 |
| 1000F Series | 1000 | | 1000 |
| 2000E Series | 1200 | | 1200 |
| 3000G Series | 4000 | ✓ | 8000 |
| 3700G Series | 10,000 | ✓ | 12,000 |

For FortiManager F series and earlier, the maximum number of ADOMs is equal to the maximum devices/VDOMs as described in the [FortiManager Data Sheet](#).

Virtual Machines

FortiManager VM subscription license includes five (5) ADOMs. Licenses are non-stackable. Additional ADOMs can be purchased with an ADOM subscription license.

For FortiManager VM perpetual license, the maximum number of ADOMs is equal to the maximum number of Devices/VDOMs listed in the [FortiManager Data Sheet](#).



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