

# Release Notes

**FortiManager 7.2.6**



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FortiManager 7.2.6 Release Notes

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# Change Log

Date	Change Description
2024-08-15	Initial release.
2024-08-16	Updated <a href="#">Resolved Issues on page 45</a> and <a href="#">Known issues on page 53</a> .
2024-08-19	Updated <a href="#">Resolved Issues on page 45</a> and <a href="#">Known issues on page 53</a> .
2024-08-20	Updated <a href="#">Known issues on page 53</a> .
2024-08-27	Updated <a href="#">Known issues on page 53</a> and <a href="#">Resolved Issues on page 45</a> .
2024-09-03	Updated <a href="#">FortiGate models on page 29</a> .
2024-09-11	Updated <a href="#">Resolved Issues on page 45</a> .
2024-09-20	Updated <a href="#">FortiOS and FortiOS Carrier on page 22</a> .
2024-09-25	Updated <a href="#">FortiProxy on page 24</a> .
2024-09-27	Updated <a href="#">Known issues on page 53</a> .
2024-10-08	Updated <a href="#">Resolved Issues on page 45</a> .
2024-10-09	Updated <a href="#">Known issues on page 53</a> .
2024-10-30	Updated <a href="#">Resolved Issues on page 45</a> and <a href="#">Known issues on page 53</a> . Updated <a href="#">FortiGate special branch models on page 32</a> .
2024-11-14	Updated <a href="#">Resolved Issues on page 45</a> . Updated <a href="#">FortiGate models on page 29</a> and <a href="#">Known issues on page 53</a> .
2024-11-22	Updated <a href="#">Known issues on page 53</a> .
2024-12-03	Updated <a href="#">Special Notices on page 10</a> .
2024-12-10	Updated <a href="#">Supported models on page 7</a> with information about access to FortiManager container versions.
2025-01-14	Updated <a href="#">Appendix A - FortiGuard Distribution Servers (FDS) on page 57</a>
2025-01-15	Updated <a href="#">Resolved Issues on page 45</a> .
2025-02-11	Updated <a href="#">Resolved Issues on page 45</a> and <a href="#">Known issues on page 53</a> .
2025-03-11	Updated <a href="#">Resolved Issues on page 45</a> .

# FortiManager 7.2.6 Release

This document provides information about FortiManager version 7.2.6 build 1632.



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 8](#)

## Supported models

FortiManager version 7.2.6 supports the following models:

<b>FortiManager</b>	FMG-200F, FMG-200G, FMG-300F, FMG-400E, FMG-400G, FMG-410G, FMG-1000F, FMG-1000G, FMG-2000E, FMG-3000F, FMG-3000G, FMG-3100G, FMG-3700F, and FMG-3700G.
<b>FortiManager VM</b>	FMG_VM64, FMG_VM64_ALI, FMG_VM64_AWS, FMG_VM64_AWSOnDemand, FMG_VM64_Azure, FMG_VM64_GCP, FMG_VM64_IBM, FMG_VM64_HV (including Hyper-V 2016, 2019, and 2022), FMG_VM64_KVM, FMG_VM64_OPC, FMG_VM64_XEN (for both Citrix and Open Source Xen).



For access to container versions of FortiManager, contact [Fortinet Support](#).

## 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 19](#).

See also [Appendix B - Default and maximum number of ADOMs supported on page 58](#).

## Management extension applications

The following section describes supported models and minimum system requirements for management extension applications (MEA) in FortiManager 7.2.6.



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

As of FortiManager 7.2.3, the *Management Extensions* pane is only visible in the GUI when docker status is enabled and at least one MEA is enabled and downloaded. For more information about enabling and using the MEAs, see the Management Extensions documentation in the [FortiManager Documents Library](#).

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

<b>FortiManager</b>	FMG-3000F, FMG-3000G, FMG-3100G, FMG-3700F, and FMG-3700G.
<b>FortiManager VM</b>	FMG_VM64, FMG_VM64_ALI, FMG_VM64_AWS, FMG_VM64_AWSOnDemand, FMG_VM64_Azure, FMG_VM64_GCP, FMG_VM64_IBM, FMG_VM64_HV (including Hyper-V 2016, 2019, and 2022), 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
- 16 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*
<b>FortiAI Ops</b>	<ul style="list-style-type: none"> <li>• 8 vCPU</li> <li>• 32 GB RAM</li> <li>• 500 GB disk storage</li> </ul>	No change
<b>FortiSigConverter</b>	<ul style="list-style-type: none"> <li>• 4 vCPU</li> <li>• 8 GB RAM</li> </ul>	No change
<b>FortiSOAR</b>	<ul style="list-style-type: none"> <li>• 4 vCPU</li> <li>• 8 GB RAM</li> <li>• 500 GB disk storage</li> </ul>	<ul style="list-style-type: none"> <li>• 16 vCPU</li> <li>• 64 GB RAM</li> <li>• No change for disk storage</li> </ul>
<b>Policy Analyzer</b>	<ul style="list-style-type: none"> <li>• 4 vCPU</li> <li>• 8 GB RAM</li> </ul>	No change
<b>Universal Connector</b>	<ul style="list-style-type: none"> <li>• 1 GHZ vCPU</li> <li>• 2 GB RAM</li> <li>• 1 GB disk storage</li> </ul>	No change
<b>Wireless Manager (FortiWLM)</b>	<ul style="list-style-type: none"> <li>• 4 vCPU</li> <li>• 8 GB RAM</li> </ul>	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 7.2.6.

## Shell access has been removed

As of FortiManager 7.2.6, shell access has been removed.

The following CLI variables have been removed, which were previously used to enable shell access:

```
config system admin setting
    set shell-access {enable | disable}
    set shell-password <passwd>
```

The following CLI command has been removed, which was previously used to access shell when enabled:

```
execute shell
```

## Enable fcp-cfg-service for Backup Mode ADOMs

When performing a configuration backup from the CLI of FortiGates managed by FortiManager in Backup Mode ADOMs, you must enable the "fcp-cfg-service" using the following command on the FortiManager:

```
config system global
    set fcp-cfg-service enable
end
```

## Custom certificate name verification for FortiGate connection

FortiManager 7.2.5 introduces a new verification of the CN or SAN of a custom certificate uploaded by the FortiGate admin. This custom certificate is used when a FortiGate device connects to a FortiManager unit. The FortiGate and FortiManager administrators may configure the use of a custom certificate with the following CLI commands:

FortiGate-related CLI:

```
config system central-management
    local-cert Certificate to be used by FGFM protocol.
    ca-cert CA certificate to be used by FGFM protocol.
```

FortiManager-related CLI:

```
config system global
    fgfm-ca-cert set the extra fgfm CA certificates.
    fgfm-cert-exclusive set if the local or CA certificates should be used exclusively.
    fgfm-local-cert set the fgfm local certificate.
```

Upon upgrading to FortiManager 7.2.5, FortiManager will request that the FortiGate certificate must contain the FortiGate serial number either in the CN or SAN. The tunnel connection may fail if a matching serial number is not found. If the tunnel connection fails, the administrator may need to re-generate the custom certificates to include serial number.

Alternatively, FortiManager 7.2.5 provides a new CLI command to disable this verification. Fortinet recommends to keep the verification enabled.

```
config system global
    fgfm-peercert-withoutasn set if the subject CN or SAN of peer's SSL certificate sent in
    FGFM should include the serial number of the device.
```

When the CLI setting `fgfm-peercert-withoutasn` is disabled (default), the FortiGate device's certificate must include the FortiGate serial number in the subject CN or SAN. When the CLI setting `fgfm-peercert-withoutasn` is enabled, the FortiManager unit does not perform the verification serial number in subject CN or SAN.

## Configuration backup requires a password

As of FortiManager 7.2.5, configuration backup files are automatically encrypted and require you to set a password. In previous versions, the encryption and password were optional.

For more information, see the [FortiManager Administration Guide](#).

## Additional configuration required for SSO users

Beginning in 7.2.5, additional configuration is needed for FortiManager Users declared as wildcard SSO users.

When configuring Administrators as wildcard SSO users, the `ext-auth-accprofile-override` and/or `ext-auth-adom-override` features, under *Advanced Options*, should be enabled if the intent is to obtain the ADOMs list and/or permission profile from the SAML IdP.

## When using VPN Manager, IPSEC VPN CA certificates must be re-issued to all devices after upgrade

When FortiManager is upgraded to 7.2.5 or later, it creates a new CA <ADOM Name>\_CA3 certificate as part of a fix for resolved issue 796858. See [Resolved Issues in the FortiManager 7.2.5 Release Notes](#). These certificates are installed to the FortiGate devices on the next policy push. As a result, the next time any IPSEC VPNs which use certificates rekey, they will fail authentication and be unable to re-establish.

The old CA <ADOM Name>\_CA2 cannot be deleted, as existing certificates rely on it for validation. Similarly, the new CA <ADOM Name>\_CA3 cannot be deleted as it is required for the fix. Therefore, customers affected by this change must follow the below workaround after upgrading FortiManager to v7.2.5 or later.

A maintenance period is advised to avoid IPSEC VPN service disruption.

**Workaround:**

Re-issue *all* certificates again to *all* devices, and then delete the old CA <ADOM Name>\_CA2 from all devices. Next, regenerate the VPN certificates.

To remove CA2 from FortiManager, *Policy & Objects > Advanced > CA Certificates* must be enabled in feature visibility.

## Apache-mode changed from prefork to event

Before version 7.2.3, the default "apache-mode" utilized the "prefork" mode. However, starting from version 7.2.4, the default configuration switches to the "event" mode.

This change is aimed at supporting the HTTP/2.0 protocol. With HTTP/2.0, there is no limit on the maximum concurrency of HTTP requests, potentially leading to slower GUI performance if the client's environment imposes restrictions, whether network or implementation-related. HTTP/2 may face issues such as head-of-line blocking and resource prioritization, leading to slower performance compared to HTTP/1. Additionally, server push and intermediaries struggling with encrypted headers can further complicate matters. Implementing HTTP/2 requires more computational resources, which may affect response times. These complexities highlight scenarios where HTTP/1 might outperform HTTP/2.

If customers experience GUI slowness, they have the option to revert to the "prefork" mode using the following commands:

```
config system global
(global)# set apache-mode prefork
(global)# end
```

## FortiGuard web filtering category v10 update

Fortinet has updated its web filtering categories to v10, which includes two new URL categories for AI chat and cryptocurrency web sites. In order to use the new categories, customers must upgrade their Fortinet products to one of the versions below.

- FortiManager - Fixed in 6.0.12, 6.2.9, 6.4.7, 7.0.2, 7.2.0, 7.4.0.
- FortiOS - Fixed in 7.2.8 and 7.4.1.
- FortiClient - Fixed in Windows 7.2.3, macOS 7.2.3, Linux 7.2.3.
- FortiClient EMS - Fixed in 7.2.1.
- FortiMail - Fixed in 7.0.7, 7.2.5, 7.4.1.
- FortiProxy - Fixed in 7.4.1.

Please read the following CSB for more information to caveats on the usage in FortiManager and FortiOS.

<https://support.fortinet.com/Information/Bulletin.aspx>

## Install On column for policies

Prior to version 7.2.3, the 'Install-on' column for policies in the policy block had no effect. However, starting from version 7.2.3, the 'Install-on' column is operational and significantly impacts the behavior and installation process of policies. It's

important to note that using 'Install-on' on policies in the policy block is not recommended. If required, this setting can only be configured through a script or JSON APIs.

## 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 website](#).

## Option to enable permission check when copying policies

As of 7.2.3, a new command is added in the CLI:

```
config system global
    set no-copy-permission-check {enable | disable}
end
```

By default, this is set to `disable`. When set to `enable`, a check is performed when copying policies to prevent changing global device objects if the user does not have permission.

## Management Extensions visibility in the GUI

As of FortiManager 7.2.3, the *Management Extensions* pane is only visible in the GUI when docker status is enabled and at least one management extension application (MEA) is enabled and downloaded. For more information about enabling and using the MEAs, see the Management Extensions documentation in the [FortiManager Documents Library](#).

## FortiManager creates faulty dynamic mapping for VPN manager interface during PP import

If policy changes are made directly on the FortiGates, the subsequent PP import creates faulty dynamic mappings for *VPN Manager*.

It is strongly recommended to create a fresh backup of the FortiManager's configuration prior to this workaround. Perform the following command to check & repair the FortiManager's configuration database:

```
diagnose cdb check policy-packages <adom>
```

After executing this command, FortiManager will remove the invalid mappings of vpnmgr interfaces.

## SD-WAN Orchestrator removed in 7.2

Starting in 7.2.0, the SD-WAN Orchestrator is no longer available in FortiManager. Instead, you can use the *SD-WAN Overlay Template* wizard to configure your SD-WAN overlay network.

For more information, see [SD-WAN Overlay Templates](#) in the FortiManager Administration Guide.

## Changes to FortiManager meta fields

Beginning in 7.2.0, FortiManager supports policy object metadata variables.

When upgrading from FortiManager 7.0 to 7.2.0 and later, FortiManager will automatically create ADOM-level metadata variable policy objects for meta fields previously configured in System Settings that have per-device mapping configurations detected. Objects using the meta field, for example CLI templates, are automatically updated to use the new metadata variable policy objects.

Meta fields in *System Settings* can continue to be used as comments/tags for configurations.

For more information, see [ADOM-level meta variables for general use in scripts, templates, and model devices](#).

## Setup wizard requires FortiCare registration

Starting in FortiManager 7.2.1, the FortiManager Setup wizard requires you to complete the *Register with FortiCare* step before you can access the FortiManager appliance or VM. Previously the step was optional.

For FortiManager units operating in a closed environment, contact customer service to receive an entitlement file, and then load the entitlement file to FortiManager by using the CLI.

## Access lists as ADOM-level objects

Starting in 7.2.0, FortiManager supports IPv4 and IPv6 access list firewall policies as ADOM-level object configurations from FortiGate. Previously, these access lists were controlled by the device database/FortiGate configuration.

After upgrading to 7.2.0 from an earlier release, the next time you install changes to a FortiGate device with an IPv4 or IPv6 access list firewall policy (`config firewall acl/acl6`), FortiManager will purge the device database/FortiGate configuration which may have previously contained the access list.

To address this, administrators can re-import the FortiGate policy configuration to an ADOM's policy package or re-create the IPv4/IPv6 access list firewall policy in the original package.

## 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 policies with multiple interfaces, however, *View Mode* is still disabled even when policy blocks respect the interface pair.

## Reconfiguring Virtual Wire Pairs (VWP)

A conflict can occur between the ADOM database and device database when a Virtual Wire Pair (VWP) is installed on a managed FortiGate that already has a configured VWP in the device database. This can happen when an existing VWP has been reconfigured or replaced.

Before installing the VWP, you must first remove the old VWP from the device's database, otherwise a policy and object validation error may occur during installation. You can remove the VWP from the device database by going to *Device Manager > Device & Groups*, selecting the managed device, and removing the VWP from *System > Interface*.

## 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



Prior to upgrading your FortiManager, please review the FortiManager Upgrade Guide in detail as it includes all of the necessary steps and associated details required to upgrade your FortiManager device or VM.

See [FortiManager 7.2.6 Upgrade Guide](#).

You can upgrade FortiManager 7.0.1 or later directly to 7.2.6.



Before upgrading FortiManager, check ADOM versions. Check the ADOM versions supported by the destination firmware and the current firmware. If the current firmware uses ADOM versions not supported by the destination firmware, upgrade ADOM versions in FortiManager before upgrading FortiManager to the destination firmware version.

For example, FortiManager 7.0 supports ADOM versions 6.2, 6.4, and 7.0, but FortiManager 7.2 supports ADOM versions 6.4, 7.0, and 7.2. Before you upgrade FortiManager 7.0 to 7.2, ensure that all ADOM 6.2 versions have been upgraded to ADOM version 6.4 or later. See [FortiManager 7.2.6 Upgrade Guide](#).

This section contains the following topics:

- [Downgrading to previous firmware versions on page 18](#)
- [Firmware image checksums on page 18](#)
- [FortiManager VM firmware on page 19](#)
- [SNMP MIB files on page 20](#)
- [FortiManager instances on Azure Stack on page 20](#)

## 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, Amazon AWSOnDemand, 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](#).

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## 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.

## FortiManager instances on Azure Stack

After upgrading FortiManager on Azure Stack from version 7.2.3 to 7.2.4, the instance will become unreachable. To re-establish connectivity, dissociate the Public IP of the instance and then re-associate it via the Azure Stack client portal.

# Product Integration and Support

This section lists FortiManager 7.2.6 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 21](#)
- [Feature support on page 26](#)
- [Language support on page 27](#)
- [Supported models on page 28](#)

## Supported software

FortiManager 7.2.6 supports the following software:

- [Web browsers on page 22](#)
- [FortiOS and FortiOS Carrier on page 22](#)
- [FortiADC on page 22](#)
- [FortiAnalyzer on page 22](#)
- [FortiAnalyzer-BigData on page 23](#)
- [FortiAuthenticator on page 23](#)
- [FortiCache on page 23](#)
- [FortiClient on page 23](#)
- [FortiDDoS on page 23](#)
- [FortiDeceptor on page 24](#)
- [FortiFirewall and FortiFirewallCarrier on page 24](#)
- [FortiMail on page 24](#)
- [FortiPAM on page 24](#)
- [FortiProxy on page 24](#)
- [FortiSandbox on page 25](#)
- [FortiSOAR on page 25](#)
- [FortiSwitch ATCA on page 25](#)
- [FortiTester on page 25](#)
- [FortiWeb on page 26](#)
- [Virtualization on page 26](#)



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 7.2.6 supports the following web browsers:

- Microsoft Edge 114
- Mozilla Firefox version 96
- Google Chrome version 114

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 7.2.6 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 7.2.6 supports the following versions of FortiOS and FortiOS Carrier:

- 7.2.0 to 7.2.10
- 7.0.0 to 7.0.15
- 6.4.0 to 6.4.16

## FortiADC

FortiManager 7.2.6 supports the following versions of FortiADC:

- 7.2.0 and later
- 7.1.0 and later
- 7.0.0 and later

## FortiAnalyzer

FortiManager 7.2.6 supports the following versions of FortiAnalyzer:

- 7.2.0 and later
- 7.0.0 and later
- 6.4.0 and later

## FortiAnalyzer-BigData

FortiManager 7.2.6 supports the following versions of FortiAnalyzer-BigData:

- 7.2.0 and later
- 7.0.0 and later

## FortiAuthenticator

FortiManager 7.2.6 supports the following versions of FortiAuthenticator:

- 6.6.0 and later
- 6.5.0 and later
- 6.4.0 and later
- 6.3.0 and later
- 6.2.0 and later

## FortiCache

FortiManager 7.2.6 supports the following versions of FortiCache:

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

## FortiClient

FortiManager 7.2.6 supports the following versions of FortiClient:

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

## FortiDDoS

FortiManager 7.2.6 supports the following versions of FortiDDoS:

- 7.0.0 and later
- 6.6.0 and later
- 6.5.0 and later
- 6.4.0 and later
- 6.3.0 and later
- 6.2.0 and later

Limited support. For more information, see [Feature support on page 26](#).

## FortiDeceptor

FortiManager 7.2.6 supports the following versions of FortiDeceptor:

- 5.3.0 and later
- 5.2.0 and later
- 5.1.0 and later
- 5.0.0 and later
- 4.3.0 and later
- 4.2.0 and later

## FortiFirewall and FortiFirewallCarrier

FortiManager 7.2.6 supports the following versions of FortiFirewall and FortiFirewallCarrier:

- 7.2.0 and later
- 7.0.0 and later
- 6.4.0 and later

## FortiMail

FortiManager 7.2.6 supports the following versions of FortiMail:

- 7.2.0 and later
- 7.0.0 and later
- 6.4.0 and later

## FortiPAM

FortiManager 7.2.6 supports the following versions of FortiPAM:

- 1.1.0 and later
- 1.0.0 and later

## FortiProxy

FortiManager 7.2.6 supports configuration management for the following versions of FortiProxy:

- 7.2.9
- 7.2.7
- 7.2.6
- 7.2.3
- 7.2.2
- 7.0.12 to 7.0.17
- 7.0.7 to 7.0.10



Configuration management support is identified as *Management Features* in these release notes. See [Feature support on page 26](#).

---

FortiManager 7.2.6 supports logs from the following versions of FortiProxy:

- 7.2.0 to 7.2.9
- 7.0.0 to 7.0.17
- 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 7.2.6 supports the following versions of FortiSandbox:

- 4.4.0 and later
- 4.2.0 and later
- 4.0.0 and 4.0.1
- 3.2.0 and later

## FortiSOAR

FortiManager 7.2.6 supports the following versions of FortiSOAR:

- 7.3.0 and later
- 7.2.0 and later
- 7.0.0 and later

## FortiSwitch ATCA

FortiManager 7.2.6 supports the following versions of FortiSwitch ATCA:

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

## FortiTester

FortiManager 7.2.6 supports the following versions of FortiTester:

- 7.3.0 and later
- 7.2.0 and later
- 7.1.0 and later

- 7.0.0 and later
- 4.2.0 and later

## FortiWeb

FortiManager 7.2.6 supports the following versions of FortiWeb:

- 7.4.0 and later
- 7.2.0 and later
- 7.0.0 and later
- 6.4.0 and later

## Virtualization

FortiManager 7.2.6 supports the following virtualization software:

### Public Cloud

- Amazon Web Service AMI, Amazon EC2, Amazon EBS
- Alibaba Cloud
- Google Cloud Platform
- IBM Cloud
- Microsoft Azure
- Oracle Cloud Infrastructure

### Private Cloud

- Citrix XenServer 7.2
- OpenSource XenServer 4.2.5
- Microsoft Hyper-V Server 2016, 2019, and 2022
- Nutanix
  - AHV 20220304 and later
  - AOS 6.5 and later
  - NCC 4.6 and later
  - LCM 3.0 and later
- RedHat 9.1
  - Other versions and Linux KVM distributions are also supported
- VMware ESXi versions 6.5 and later

## 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			✓	✓	✓
FortiAuthenticator					✓
FortiCache			✓	✓	✓
FortiClient		✓		✓	✓
FortiDDoS			✓	✓	✓
FortiDeceptor		✓			
FortiFirewall	✓				✓
FortiFirewall Carrier	✓				✓
FortiMail		✓	✓	✓	✓
FortiPAM		✓	✓	✓	✓
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	✓	✓

Language	GUI	Reports
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 7.2.6.



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 29](#)
- [FortiGate special branch models on page 32](#)
- [FortiCarrier models on page 34](#)
- [FortiCarrier special branch models on page 35](#)
- [FortiADC models on page 37](#)
- [FortiAnalyzer models on page 37](#)
- [FortiAnalyzer-BigData models on page 38](#)
- [FortiAuthenticator models on page 38](#)
- [FortiCache models on page 38](#)
- [FortiDDoS models on page 38](#)
- [FortiDeceptor models on page 39](#)
- [FortiFirewall models on page 39](#)
- [FortiFirewallCarrier models on page 40](#)
- [FortiMail models on page 41](#)
- [FortiPAM models on page 42](#)
- [FortiProxy models on page 42](#)
- [FortiSandbox models on page 42](#)
- [FortiSOAR models on page 43](#)

- [FortiSwitch ATCA models on page 43](#)
- [FortiTester models on page 43](#)
- [FortiWeb models on page 44](#)

## 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 32](#).

Model	Firmware Version
<b>FortiGate:</b> FortiGate-40F, FortiGate-40F-3G4G, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60E-DSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-70F, FortiGate-70G, FortiGate-70G-POE, FortiGate-71F, FortiGate-71G, FortiGate-71G-POE, FortiGate-80E, FortiGate-80E-POE, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-80F-DSL, FortiGate-80F-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-81F, FortiGate-81F-POE, FortiGate-90E, FortiGate-90G, FortiGate-91E, FortiGate-91G, FortiGate-100E, FortiGate-100EF, FortiGate-100F, FortiGate-101E, FortiGate-101F, FortiGate-120G, FortiGate-121G, FortiGate-140E, FortiGate-140E-POE, FortiGate-200E, FortiGate-200F, FortiGate-201E, FortiGate-201F, FortiGate-300E, FortiGate-301E, FortiGate-400E, FortiGate-400F, FortiGate-400E-Bypass, FortiGate-401E, FortiGate-401F, FortiGate-500E, FortiGate-501E, FortiGate-600E, FortiGate-600F, FortiGate-601E, FortiGate-601F, FortiGate-800D, FortiGate-900D, FortiGate-900G, FortiGate-901G, FortiGate-1000D, FortiGate-1000F, FortiGate-1001F, FortiGate-1100E, FortiGate-1101E, FortiGate-1500D, FortiGate-1500DT, FortiGate-1800F, FortiGate-1801F, FortiGate-2000E, FortiGate-2200E, FortiGate-2201E, FortiGate-2500E, FortiGate-2600F, FortiGate-2601F, FortiGate-3000D, FortiGate-3000F, FortiGate-3001F, FortiGate-3100D, FortiGate-3200D, FortiGate-3200F, FortiGate-3201F, FortiGate-3300E, FortiGate-3301E, FortiGate-3400E, FortiGate-3401E, FortiGate-3500F, FortiGate-3501F, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3700F, FortiGate-3701F, FortiGate-3800D, FortiGate-3960E, FortiGate-3980E, FortiGate-4200F, FortiGate-4201F, FortiGate-4400F, FortiGate-4401F, FortiGate-4800F, FortiGate-4801F <b>FortiGate 5000 Series:</b> FortiGate-5001E, FortiGate-5001E1 <b>FortiGate 6000 Series:</b> FortiGate-6000F, FortiGate-6001F, FortiGate-6300F, FortiGate-6300F-DC, FortiGate-6301F, FortiGate-6301F-DC, FortiGate-6500F, FortiGate-6500F-DC, FortiGate-6501F, FortiGate-6501F-DC <b>FortiGate 7000 Series:</b> FortiGate-7000E, FortiGate-7000F, FortiGate-7030E, FortiGate-7040E, FortiGate-7060E, FortiGate-7060E-8-DC, FortiGate-7081F, FortiGate-7081F-2-DC, FortiGate-7081F-DC, FortiGate-7121F, FortiGate-7121F-2, FortiGate-7121F-2-DC, FortiGate-7121F-DC	7.2

Model	Firmware Version
<b>FortiGate DC:</b> FortiGate-400F-DC, FortiGate-401E-DC, FortiGate-401F-DC, FortiGate-800D-DC, FortiGate-900G-DC, FortiGate-901G-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-1800F-DC, FortiGate-1801F-DC, FortiGate-2201E-ACDC, FortiGate-2600F-DC, FortiGate-2601F-DC, FortiGate-3000D-DC, FortiGate-3000F-ACDC, FortiGate-3000F-DC, FortiGate-3001F-ACDC, FortiGate-3001F-DC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3400E-DC, FortiGate-3401E-DC, FortiGate-3600E-DC, FortiGate-3700D-DC, FortiGate-3800D-DC, FortiGate-3960E-ACDC, FortiGate-3960E-DC, FortiGate-3980E-DC, FortiGate-4200F-DC, FortiGate-4201F-DC, FortiGate-4400F-DC, FortiGate-4401F-DC, FortiGate-4800F-DC, FortiGate-4801F-DC <b>FortiWiFi:</b> FWF-60E, FWF-60E-DSL, FWF-60E-DSLJ, FWF-60F, FWF-61E, FWF-61F, FWF-70G, FWF-71G, FWF-80F-2R, FWF-81F-2R, FWF-81F-2R-3G4G-DSL, FWF-81F-2R-3G4G-POE, FWF-81F-2R-POE <b>FortiGate VM:</b> FortiGate-ARM64-AWS, FortiGate-ARM64-Azure, FortiGate-ARM64-GCP, FortiGate-ARM64-KVM, FortiGate-ARM64-OCI, FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-AWS, FortiGate-VM64-Azure, FortiGate-VM64-GCP, FortiGate-VM64-HV, FortiGate-VM64-IBM, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGate-VM64-XEN, FortiGate-VMX-Service-Manager <b>FortiOS-VM:</b> FOS-VM64, FOS-VM64-HV, FOS-VM64-KVM, FOS-VM64-Xen <b>FortiGate Rugged:</b> FGR-60F, FGR-60F-3G4G, FGR-70F, FGR-70F-3G4G	
<b>FortiGate:</b> FortiGate-40F, FortiGate-40F-3G4G, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60E-DSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-70F, FortiGate-71F, 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-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-400F, FortiGate-400E-Bypass, FortiGate-401E, FortiGate-401F, FortiGate-500D, FortiGate-500E, FortiGate-501E, FortiGate-600D, FortiGate-600E, FortiGate-600F, FortiGate-601E, FortiGate-601F, FortiGate-800D, FortiGate-900D, FortiGate-1000D, FortiGate-1100E, FortiGate-1101E, FortiGate-1200D, FortiGate-1500D, FortiGate-1500DT, FortiGate-1800F, FortiGate-1801F, FortiGate-2000E, FortiGate-2200E, FortiGate-2201E, FortiGate-2500E, FortiGate-2600F, FortiGate-2601F, FortiGate-3000D, FortiGate-3000F, FortiGate-3001F, FortiGate-3100D, FortiGate-3200D, FortiGate-3300E, FortiGate-3301E, FortiGate-3400E, FortiGate-3401E, FortiGate-3500F, FortiGate-3501F, FortiGate-3600E, FortiGate-3601E, FortiGate-3700D, FortiGate-3800D, FortiGate-3810D, FortiGate-3815D, FortiGate-3960E, FortiGate-3980E, FortiGate-4200F, FortiGate-4201F, FortiGate-4400F, FortiGate-4401F, FortiGate-5000 Series: FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1	7.0

Model	Firmware Version
<p><b>FortiGate DC:</b> FortiGate-400F-DC, FortiGate-401E-DC, FortiGate-401F-DC, FortiGate-800D-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-1800F-DC, FortiGate-1801F-DC, FortiGate-2201E-ACDC, FortiGate-2600F-DC, FortiGate-2601F-DC, FortiGate-3000D-DC, FortiGate-3000F-ACDC, FortiGate-3000F-DC, FortiGate-3001F-ACDC, FortiGate-3001F-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-ACDC, FortiGate-3960E-DC, FortiGate-3980E-DC, FortiGate-4200F-DC, FortiGate-4201F-DC, FortiGate-4400F-DC, FortiGate-4401F-DC</p> <p><b>FortiWiFi:</b> FWF-60E, FWF-60E-DSL, FWF-60E-DSLJ, FWF-60F, FWF-61E, FWF-61F, FWF-80F-2R, FWF-81F-2R, FWF-81F-2R-3G4G-POE, FWF-81F-2R-POE</p> <p><b>FortiGate VM:</b> FortiGate-ARM64-AWS, FortiGate-ARM64-KVM, FortiGate-ARM64-OCI, FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-AWS, FortiGate-VM64-Azure, FortiGate-VM64-GCP, FortiGate-VM64-HV, FortiGate-VM64-IBM, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGate-VM64-XEN, FortiGate-VMX-Service-Manager</p> <p><b>FortiOS-VM:</b> FOS-VM64, FOS-VM64-HV, FOS-VM64-KVM, FOS-VM64-Xen</p> <p><b>FortiGate Rugged:</b> FGR-60F, FGR-60F-3G4G</p>	
<p><b>FortiGate:</b> 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-80F-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-81F, FortiGate-81F-POE, 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-1800F, FortiGate-1801F, FortiGate-2000E, FortiGate-2200E, FortiGate-2201E, FortiGate-2500E, FortiGate-2600F, FortiGate-2601F, 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-4200F, FortiGate-4201F, FortiGate-4400F, FortiGate-4401F,</p> <p><b>FortiGate 5000 Series:</b> FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1</p> <p><b>FortiGate DC:</b> FortiGate-401E-DC, FortiGate-800D-DC, FortiGate-1100E-DC, FortiGate-1500D-DC, FortiGate-1800F-DC, FortiGate-1801F-DC, FortiGate-2201E-ACDC, FortiGate-2600F-DC, FortiGate-2601F-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-ACDC, FortiGate-3960E-DC, FortiGate-3980E-DC, FortiGate-4200F-DC, FortiGate-4201F-DC, FortiGate-4400F-DC, FortiGate-4401F-DC</p> <p><b>FortiGate Hardware Low Encryption:</b> FortiGate-100D-LENC</p>	6.4

Model	Firmware Version
<b>FortiWiFi:</b> FWF-40F, FWF-40F-3G4G, FWF-60E, FWF-60E-DSL, FWF-60E-DSLJ, FWF-60F, FWF-61E, FWF-61F, FWF-80F-2R, FWF-81F-2R, FWF-81F-2R-3G4G-POE, FWF-81F-2R-POE	
<b>FortiGate VM:</b> FortiGate-VM64, FortiGate-VM64-ALI, FortiGate-VM64-ALIONDEMAND, FortiGate-VM64-AWS, FortiGate-VM64-AZUREONDEMAND, FortiGate-VM64-Azure, FortiGate-VM64-GCP, VM64-GCPONDEMAND, FortiGate-VM64-HV, FortiGate-VM64-IBM, FortiGate-VM64-KVM, FortiGate-VM64-OPC, FortiGate-VM64-RAXONDEMAND, FortiGate-VM64-XEN, FortiGate-VMX-Service-Manager	
<b>FortiOS-VM:</b> FOS-VM64, FOS-VM64-HV, FOS-VM64-KVM, FOS-VM64-Xen	
<b>FortiGate Rugged:</b> FGR-60F, FGR-60F-3G4G	

## FortiGate special branch models

The following FortiGate models are released on special branches of FortiOS. FortiManager version 7.2.6 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 29](#).

### FortiOS 7.2

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-30G	7.2.8	6390
FortiGate-200G, FortiGate-201G	7.2.8	6397
FortiWiFi-30G	7.2.8	6390

### FortiOS 7.0

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-50G-DSL	7.0.12	7353
FortiGate-50G-SFP	7.0.12	7192
FortiGate-50G-SFP-POE	7.0.12	7257
FortiGate-51G-SFP-POE	7.0.12	7257
FortiGate-80F-DSL	7.0.15	7272
FortiGate-90G, FortiGate-91G	7.0.15	7288
FortiGate-120G, FortiGate-121G	7.0.15	7277
FortiGate-900G, FortiGate-900G-DC, FortiGate-901G, FortiGate-901G-DC	7.0.15	7266

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-1000F, FortiGate-1001F	7.0.15	7267
FortiGate-3200F	7.0.15	7278
FortiGate-3201F	7.0.15	7273
FortiGate-3700F, FortiGate-3701F	7.0.15	7286
FortiGate-4800F, FortiGate-4800F-DC	7.0.15	7286
FortiGate-4801F, FortiGate-4801F-DC	7.0.15	7286
FortiGate-6000F, FortiGate-6001F, FortiGate-6300F, FortiGate-6300F-DC, FortiGate-6301F, FortiGate-6301F-DC, FortiGate-6500F, FortiGate-6500F-DC, FortiGate-6501F, FortiGate-6501F-DC	7.0.15	0247
FortiGate-7000E, FortiGate-7030E, FortiGate-7040E, FortiGate-7060E, FortiGate-7060E-8-DC	7.0.15	0247
FortiGate-7000F, FortiGate-7081F, FortiGate-7081F-2-DC, FortiGate-7081F-DC, FortiGate-7121F, FortiGate-7121F-2, FortiGate-7121F-2-DC, FortiGate-7121F-DC	7.0.15	0247
FortiGateRugged-70F, FortiGateRugged- 70F-3G4G	7.0.15	7284
FortiGateRugged-70G-5G-Dual	7.0.12	7151
FortiWiFi-50G-5G	7.0.12	7192
FortiWiFi-50G-DSL	7.0.12	7353
FortiWiFi-50G-SFP	7.0.12	7192
FortiWiFi-80F-2R-3G4G-DSL, FortiWiFi-81F- 2R-3G4G-DSL	7.0.15	7272

## FortiOS 6.4

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-400F, FortiGate-400F-DC, FortiGate-401F, FortiGate-401F-DC	6.4.13	5455
FortiGate-600F, FortiGate-601F	6.4.13	5455
FortiGate-3500F	6.4.6	5886
FortiGate-3501F	6.4.6	6132

FortiGate Model	FortiOS Version	FortiOS Build
FortiGate-6000F, FortiGate-6001F, FortiGate-6300F, FortiGate-6300F-DC, FortiGate-6301F, FortiGate-6301F-DC, FortiGate-6500F, FortiGate-6500F-DC, FortiGate-6501F, FortiGate-6501F-DC	6.4.13	1926
FortiGate-7000E, FortiGate-7030E, FortiGate-7040E, FortiGate-7060E, FortiGate-7060E-8-DC	6.4.13	1926
FortiGate-7000F, FortiGate-7081F, FortiGate-7081F-2-DC, FortiGate-7081F-DC, FortiGate-7121F, FortiGate-7121F-2, FortiGate-7121F-2-DC, FortiGate-7121F-DC	6.4.13	1926
FortiWiFi-80F-2R-3G4G-DSL	6.4.7	5003

## FortiCarrier models

The following FortiCarrier models are released with FortiCarrier firmware.

For information about supported FortiCarrier models on special branch releases of FortiCarrier firmware, see [FortiCarrier special branch models on page 35](#).

Model	Firmware Version
<b>FortiCarrier:</b> FortiCarrier-2600F, FortiCarrier-2601F, FortiCarrier-3000D, FortiCarrier-3000F, FortiCarrier-3001F, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3200F, FortiCarrier-3201F, FortiCarrier-3300E, FortiCarrier-3301E, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3500F, FortiCarrier-3501F, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3700F, FortiCarrier-3701F, FortiCarrier-3800D, FortiCarrier-3960E, FortiCarrier-3980E, FortiCarrier-4200F, FortiCarrier-4201F, FortiCarrier-4400F, FortiCarrier-4401F, FortiCarrier-4800F, FortiCarrier-4801F, FortiCarrier-5001E, FortiCarrier-5001E1 <b>FortiCarrier 6000 Series:</b> FortiCarrier-6000F, FortiCarrier-6001F, FortiCarrier-6300F, FortiCarrier-6300F-DC, FortiCarrier-6301F, FortiCarrier-6301F-DC, FortiCarrier-6500F, FortiCarrier-6500F-DC, FortiCarrier-65001F, FortiCarrier-6501F-DC <b>FortiCarrier 7000 Series:</b> FortiCarrier-7000E, FortiCarrier-7000F, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7060E-8-DC, FortiCarrier-7081F, FortiCarrier-7081F-2, FortiCarrier-7081F-2-DC, FortiCarrier-7081F-DC, FortiCarrier-7121F, FortiCarrier-7121F-2, FortiCarrier-7121F-2-DC, FortiCarrier-7121F-DC <b>FortiCarrier-DC:</b> FortiCarrier-2600F-DC, FortiCarrier-2601F-DC, FortiCarrier-3000D-DC, FortiCarrier-3000F-ACDC, FortiCarrier-3000F-DC, FortiCarrier-3001F-ACDC, FortiCarrier-3001F-DC, FortiCarrier-3100D-DC, FortiCarrier-3200D-DC, FortiCarrier-3400E-DC, FortiCarrier-3401E-DC, FortiCarrier-3600E-DC, FortiCarrier-3700D-DC, FortiCarrier-3800D-DC, FortiCarrier-3960E-DC, FortiCarrier-3980E-DC, FortiCarrier-4200F-DC, FortiCarrier-4201F-DC, FortiCarrier-4400F-DC, FortiCarrier-4401F-DC	7.2

Model	Firmware Version
<b>FortiCarrier-VM:</b> FortiCarrier-ARM64-AWS, FortiCarrier-ARM64-Azure, FortiCarrier-ARM64-GCP, FortiCarrier-ARM64-KVM, FortiCarrier-ARM64-OCI, 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	
<b>FortiCarrier:</b> FortiCarrier-2600F, FortiCarrier-2601F, FortiCarrier-3000D, FortiCarrier-3000F, FortiCarrier-3001F, 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	7.0
<b>FortiCarrier-DC:</b> FortiCarrier-2600F-DC, FortiCarrier-2601F-DC, FortiCarrier-3000D-DC, FortiCarrier-3000F-ACDC, FortiCarrier-3000F-DC, FortiCarrier-3001F-ACDC, FortiCarrier-3001F-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	
<b>FortiCarrier-VM:</b> FortiCarrier-ARM64-AWS, FortiCarrier-ARM64-KVM, FortiCarrier-ARM64-OCI, 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	
<b>FortiCarrier:</b> 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	6.4
<b>FortiCarrier-DC:</b> FortiCarrier-3000D-DC, FortiCarrier-3000F-DC, FortiCarrier-3001F-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	
<b>FortiCarrier-VM:</b> 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 special branch models

The following FortiCarrier models are released on special branches of FortiOS Carrier. FortiManager version 7.2.6 supports these models on the identified FortiOS Carrier version and build number.

For information about supported FortiCarrier models released with FortiOS Carrier firmware, see [FortiCarrier models on page 34](#).

## FortiCarrier 7.0

FortiCarrier Model	FortiCarrier Version	FortiCarrier Build
FortiCarrier-3200F	7.0.15	7278
FortiCarrier-3201F	7.0.15	7273
FortiCarrier-3700F, FortiCarrier-3701F	7.0.15	7331
FortiCarrier-4800F, FortiCarrier-4800F-DC	7.0.15	7286
FortiCarrier-4801F, FortiCarrier-4801F-DC	7.0.15	7286
FortiCarrier-6000F, FortiCarrier-6001F, FortiCarrier-6300F, FortiCarrier-6300F-DC, FortiCarrier-6301F, FortiCarrier-6301F-DC, FortiCarrier-6500F, FortiCarrier-6500F-DC, FortiCarrier-65001F, FortiCarrier-6501F-DC	7.0.15	0247
FortiCarrier-7000E, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7060E-8-DC	7.0.15	0247
FortiCarrier-7000F, FortiCarrier-7081F, FortiCarrier-7081F-2, FortiCarrier-7081F-2- DC, FortiCarrier-7081F-DC, FortiCarrier- 7121F, FortiCarrier-7121F-2, FortiCarrier- 7121F-2-DC, FortiCarrier-7121F-DC	7.0.15	0247

## FortiCarrier 6.4

FortiCarrier Model	FortiCarrier Version	FortiCarrier Build
FortiCarrier-3500F	6.4.6	5886
FortiCarrier-3501F	6.4.6	6132
FortiCarrier-6000F, FortiCarrier-6001F, FortiCarrier-6300F, FortiCarrier-6300F-DC, FortiCarrier-6301F, FortiCarrier-6301F-DC, FortiCarrier-6500F, FortiCarrier-6500F-DC, FortiCarrier-65001F, FortiCarrier-6501F-DC	6.4.13	1926
FortiCarrier-7000E, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7060E-8-DC	6.4.13	1926
FortiCarrier-7000F, FortiCarrier-7081F, FortiCarrier-7081F-2, FortiCarrier-7081F-2- DC, FortiCarrier-7081F-DC, FortiCarrier- 7121F, FortiCarrier-7121F-2, FortiCarrier- 7121F-2-DC, FortiCarrier-7121F-DC	6.4.13	1926

## FortiADC models

Model	Firmware Version
<b>FortiADC:</b> 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 <b>FortiADC VM:</b> FortiADC-VM	7.0, 7.1, 7.2

## FortiAnalyzer models

Model	Firmware Version
<b>FortiAnalyzer:</b> FortiAnalyzer-150G, FortiAnalyzer-300F, FortiAnalyzer-300G, FortiAnalyzer-400E, FortiAnalyzer-800F, FortiAnalyzer-800G, FortiAnalyzer-810G, FortiAnalyzer-1000F, FortiAnalyzer-1000G, FortiAnalyzer-2000E, FortiAnalyzer-3000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3100G, FortiAnalyzer-3500E, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3510G, FortiAnalyzer-3700F, FortiAnalyzer-3700G, FortiAnalyzer-3900E <b>FortiAnalyzer VM:</b> FortiAnalyzer-VM64, FortiAnalyzer-VM64-ALI, FortiAnalyzer-VM64-AWS, FortiAnalyzer-VM64-AWS-OnDemand, FortiAnalyzer-VM64-Azure, FortiAnalyzer-VM64-Azure-OnDemand, FortiAnalyzer-VM64-GCP, FortiAnalyzer-VM64-HV, FortiAnalyzer-VM64-IBM, FortiAnalyzer-VM64-KVM, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-Xen	7.2
<b>FortiAnalyzer:</b> FortiAnalyzer-150G, FortiAnalyzer-200F, FortiAnalyzer-300F, FortiAnalyzer-300G, FortiAnalyzer-400E, FortiAnalyzer-800F, FortiAnalyzer-800G, FortiAnalyzer-810G, FortiAnalyzer-1000F, FortiAnalyzer-1000G, FortiAnalyzer-2000E, FortiAnalyzer-3000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3100G, FortiAnalyzer-3500E, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3510G, FortiAnalyzer-3700F, FortiAnalyzer-3700G, FortiAnalyzer-3900E <b>FortiAnalyzer VM:</b> FortiAnalyzer-VM64, FortiAnalyzer-VM64-ALI, FortiAnalyzer-VM64-ALI-OnDemand, FortiAnalyzer-VM64-AWS, FortiAnalyzer-VM64-Azure, FortiAnalyzer-VM64-Azure-OnDemand, FortiAnalyzer-VM64-GCP, FortiAnalyzer-VM64-GCP-OnDemand, FortiAnalyzer-VM64-HV, FortiAnalyzer-VM64-IBM, FortiAnalyzer-VM64-KVM, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-Xen	7.0
<b>FortiAnalyzer:</b> 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-3700G, FortiAnalyzer-3900E <b>FortiAnalyzer VM:</b> 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-BigData models

Model	Firmware Version
<b>FortiAnalyzer-BigData:</b> FortiAnalyzer-BigData-4500F <b>FortiAnalyzer-BigData VM:</b> FortiAnalyzer-BigData-VM64	7.2
<b>FortiAnalyzer-BigData:</b> FortiAnalyzer-BigData-4500F <b>FortiAnalyzer-BigData VM:</b> FortiAnalyzer-BigData-VM64	7.0

## FortiAuthenticator models

Model	Firmware Version
<b>FortiAuthenticator:</b> FAC-200D, FAC-200E, FAC-300F, FAC-400C, FAC-400E, FAC-800F, FAC-1000C, FAC-1000D, FAC-2000E, FAC-3000D, FAC-3000E, FAC-3000F <b>FortiAuthenticator VM:</b> FAC-VM	6.4, 6.5, 6.6
<b>FortiAuthenticator:</b> FAC-200D, FAC-200E, FAC-300F, FAC-400C, FAC-400E, FAC-800F, FAC-1000C, FAC-1000D, FAC-2000E, FAC-3000D, FAC-3000E <b>FortiAuthenticator VM:</b> FAC-VM	6.2, 6.3

## FortiCache models

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

## FortiDDoS models

Model	Firmware Version
<b>FortiDDoS:</b> FortiDDoS-200F, FortiDDoS-1500F, FortiDDoS-2000F, FortiDDoS-3000F <b>FortiDDoS VM:</b> FortiDDoS-VM	6.4, 6.5, 6.6, 7.0
<b>FortiDDoS:</b> FortiDDoS-200F, FortiDDoS-1500F, FortiDDoS-2000F <b>FortiDDoS VM:</b> FortiDDoS-VM	6.3
<b>FortiDDoS:</b> FortiDDoS-200F, FortiDDoS-1500F <b>FortiDDoS VM:</b> FortiDDoS-VM	6.2

## FortiDeceptor models

Model	Firmware Version
<b>FortiDeceptor:</b> FDC-100G, FDC-1000F, FDC-1000G <b>FortiDeceptor Rugged:</b> FDCR-100G <b>FortiDeceptor VM:</b> FDC-VM	5.0, 5.1, 5.2, 5.3
<b>FortiDeceptor:</b> FDC-1000F, FDC-1000G <b>FortiDeceptor Rugged:</b> FDCR-100G <b>FortiDeceptor VM:</b> FDC-VM	4.3
<b>FortiDeceptor:</b> FDC-1000F, FDC-1000G <b>FortiDeceptor Rugged:</b> FDCR-100G <b>FortiDeceptor VM:</b> FDC-VM	4.2

## FortiFirewall models

Some of the following FortiFirewall models are released on special branches of FortiFirewall firmware. FortiManager version 7.2.6 supports these models on the identified FortiFirewall firmware version and build number.

### FortiFirewall 7.2

Model	Firmware Version
<b>FortiFirewall:</b> FortiFirewall-1801F, FortiFirewall-2600F, FortiFirewall-3980E, FortiFirewall-4200F, FortiFirewall-4400F, FortiFirewall-4401F, FortiFirewall-4801F <b>FortiFirewall DC:</b> FortiFirewall-1801F-DC, FortiFirewall-2600F-DC, FortiFirewall-4200F-DC, FortiFirewall-4401F-DC <b>FortiFirewall-VM:</b> FortiFirewall-VM64, FortiFirewall-VM64-KVM	7.2

### FortiFirewall 7.0

Model	Firmware Version	Firmware Build (for special branch)
<b>FortiFirewall:</b> FortiFirewall-3001F	7.0.10	4955
<b>FortiFirewall:</b> FortiFirewall-3501F	7.0.10	4940
<b>FortiFirewall:</b> FortiFirewall-3980E <b>FortiFirewall DC:</b> FortiFirewall-3980E-DC <b>FortiFirewall-VM:</b> FortiFirewall-VM64, FortiFirewall-VM64-KVM	7.0	

## FortiFirewall 6.4

Model	Firmware Version	Firmware Build (for special branch)
<b>FortiFirewall:</b> FortiFirewall-1801F, FortiFirewall-2600F <b>FortiFirewall DC:</b> FortiFirewall-1801F-DC, FortiFirewall-2600F-DC	6.4.12	5423
<b>FortiFirewall:</b> FortiFirewall-3980E <b>FortiFirewall DC:</b> FortiFirewall-3980E-DC	6.4	
<b>FortiFirewall:</b> FortiFirewall-4200F, FortiFirewall-4400F	6.4	1999
<b>FortiFirewall:</b> FortiFirewall-4401F <b>FortiFirewall DC:</b> FortiFirewall-4401F-DC	6.4.12	5423
<b>FortiFirewall-VM:</b> FortiFirewall-VM64, FortiFirewall-VM64-KVM	6.4	

## FortiFirewallCarrier models

Some of the following FortiFirewallCarrier models are released on special branches of FortiFirewallCarrier firmware. FortiManager version 7.2.6 supports these models on the identified FortiFirewallCarrier firmware version and build number.

## FortiFirewallCarrier 7.2

Model	Firmware Version	Firmware Build (for special branch)
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-1801F <b>FortiFirewallCarrier-DC:</b> FortiFirewallCarrier-1801F-DC	7.2.6	4609
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-2600F, FortiFirewallCarrier-3980E, FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F, FortiFirewallCarrier-4401F, FortiFirewallCarrier-4801F <b>FortiFirewallCarrier-DC:</b> FortiFirewallCarrier-4200F-DC, FortiFirewallCarrier-4401F-DC <b>FortiFirewallCarrier-VM:</b> FortiFirewallCarrier-VM64, FortiFirewallCarrier-VM64-KVM	7.2	

## FortiFirewallCarrier 7.0

Model	Firmware Version	Firmware Build (for special branch)
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-3001F	7.0.10	4955
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-3501F	7.0.10	4940
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F	6.4	
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F	6.2.7	5148
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-4401F	6.4.9	5318
<b>FortiFirewallCarrier-VM:</b> FortiFirewallCarrier-VM64, FortiFirewallCarrier-VM64-KVM	7.0	

## FortiFirewallCarrier 6.4

Model	Firmware Version	Firmware Build (for special branch)
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F	6.4	
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-4401F	6.4.9	5318

## FortiFirewallCarrier 6.2

Model	Firmware Version	Firmware Build (for special branch)
<b>FortiFirewallCarrier:</b> FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F	6.2.7	5148

## FortiMail models

Model	Firmware Version
<b>FortiMail:</b> FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-2000F, FE-3000F	7.2
<b>FortiMail:</b> 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	7.0

Model	Firmware Version
<b>FortiMail VM:</b> FML-VM, FortiMail Cloud	
<b>FortiMail:</b> FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-1000D, FE-2000E, FE-3000D, FE-3000E, FE-3200E	6.4
<b>FortiMail VM:</b> FML-VM, FortiMail Cloud	

## FortiPAM models

Model	Firmware Version
<b>FortiPAM:</b> FortiPAM-1000G, FortiPAM-3000G	1.0, 1.1
<b>FortiPAM VM:</b> FortiPAM-AWS, FortiPAM-Azure, FortiPAM-GCP, FortiPAM-HyperV, FortiPAM-KVM, FortiPAM-VM64	

## FortiProxy models

Model	Firmware Version
<b>FortiProxy:</b> FPX-400E, FPX-400G, FPX-2000E, FPX-2000G, FPX-4000E, FPX-4000G	7.0, 7.2
<b>FortiProxy VM:</b> FortiProxy-AliCloud, FortiProxy-AWS, FortiProxy-Azure, FortiProxy-GCP, FortiProxy-HyperV, FortiProxy-KVM, FortiProxy-VM64	
<b>FortiProxy:</b> FPX-400E, FPX-2000E, FPX-4000E	1.0, 1.1, 1.2, 2.0
<b>FortiProxy VM:</b> FortiProxy-KVM, FortiProxy-VM64	

## FortiSandbox models

Model	Firmware Version
<b>FortiSandbox:</b> FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D	4.4
<b>FortiSandbox DC:</b> FSA-1000F-DC	
<b>FortiSandbox-VM:</b> FortiSandbox-AWS, FortiSandbox-Cloud, FSA-VM	
<b>FortiSandbox:</b> FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D	4.2
<b>FortiSandbox DC:</b> FSA-1000F-DC	
<b>FortiSandbox-VM:</b> FortiSandbox-AWS, FortiSandbox-Cloud, FSA-VM	
<b>FortiSandbox:</b> FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D	4.0
<b>FortiSandbox DC:</b> FSA-1000F-DC	
<b>FortiSandbox-VM:</b> FortiSandbox-AWS, FortiSandbox-Cloud, FSA-VM	

Model	Firmware Version
<b>FortiSandbox:</b> FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3500D	3.2
<b>FortiSandbox DC:</b> FSA-1000F-DC	
<b>FortiSandbox-VM:</b> FortiSandbox-AWS, FSA-VM	

## FortiSOAR models

Model	Firmware Version
<b>FortiSOAR VM:</b> FortiSOAR-VM	7.0, 7.2, 7.3

## FortiSwitch ATCA models

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

## FortiTester models

Model	Firmware Version
<b>FortiTester:</b> FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2000F, FortiTester-2500E, FortiTester-3000E, FortiTester-4000E, <b>FortiTester VM:</b> 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-IBM-BYOL, FortiTester-VM-IBM-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG	7.2, 7.3
<b>FortiTester:</b> FortiTester-60F, FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2000F, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F <b>FortiTester VM:</b> 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-IBM-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG	7.1

Model	Firmware Version
<b>FortiTester:</b> FortiTester-60F, FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2000F, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F <b>FortiTester VM:</b> 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-IBM-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG	7.0
<b>FortiTester:</b> FortiTester-60F, FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F <b>FortiTester VM:</b> 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

## FortiWeb models

Model	Firmware Version
<b>FortiWeb:</b> FortiWeb-100D, FortiWeb-100E, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-600D, FortiWeb-600E, FortiWeb-1000D, FortiWeb-1000E, FortiWeb-1000F, 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 <b>FortiWeb VM:</b> FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer	7.2, 7.4
<b>FortiWeb:</b> 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 <b>FortiWeb VM:</b> FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer	6.4, 7.0

# Resolved Issues

The following issues have been fixed in 7.2.6. To inquire about a particular bug, please contact [Customer Service & Support](#).

## AP Manager

Bug ID	Description
955558	FortiManager unsets the Protected Management Frame (PMF) setting when the SSID security mode is configured to OWE-enabled in the <i>AP Manager</i> .
1010485	Under the <i>AP Manager</i> , WiFi map view cannot load the AP Information.
1032319	Importing AP profiles for FortiWiFi models will cause "Unable to assign template" error.

## Device Manager

Bug ID	Description
895994	When using the 'where used' feature in Phase 2 quick mode selector, objects do not appear, and they can be removed.
959702	When creating or importing an SD-WAN template and assigning it to a device, the SD-WAN monitor dashboard may fail to load data and continuously displays the loading icon.
960363	<i>Traffic Shaping</i> widgets keep loading on <i>Dashboard</i> page of the <i>Device Manager</i> .
960538	FortiZTP AutoLink Device Discovery may get stuck at 10% during the autolink process (updating device) and subsequently fail.
961508	SD-WAN monitor table-view does not load.
963025	When using the static route template, the "SD-WAN Zone" does not appear under the Interface column.
966546	Unable to disable the "Create Address Object Matching Subnet" feature when the interfaces role is LAN.
976887	Unable to set non-HEX values for DHCP Option; it displays an error message: "...enter a valid Hexadecimal number...".
980659	When adding FortiGates (FWF-80F, FWF-80F-2R-3G4G-DSL, FWF-81F-2R-3G4G-DSL) as model devices, FortiManager may attempt to create a duplicate DHCP server. Consequently, this installation fails due to the duplicate configuration.

Bug ID	Description
981031	<i>Device Inventory</i> widget shows wrong date for "last seen".
993094	Firmware image for Azure Fortigate (PAYGO) is not available from ( <i>Device Manager</i> > <i>Firmware upgrade</i> ).
1000101	FortiManager fails to retrieve certificates that were directly imported into the FortiGate. As a result, FortiManager repeatedly attempts to push a CSR, leading to installation status conflicts.
1000686	HA autolink failure occurs when LAN interfaces do not exist.
1002289	Unable to delete default wireless-controller vap configuration with pre-run CLI templates.
1004389	Unable to remove or delete unused FortiGate certificate from FortiManager's GUI.
1006838	"Admin User" settings get modified if username is more than 37 characters.
1011744	Autoupdate will not update the Device DB with FortiGate's ssh local-key details
1015064	Disabling the "auto-firmware-update" in FortiManager device db does not disable it on the FortiGate. Please review the "FortiManager & FortiGate: handling of auto-firmware-upgrade setting" under <a href="#">Special Notices in the FortiManager 7.2.5 Release Notes</a> .
1016654	FortiManager fails to add FortiAnalyzer as a managed device.
1016987	FGFM's tunnel went down after upgrade because the device's SN doesn't match the expected certificate.
1021087	The out-of-sync notification is missing in FortiManager after upgrading to version 7.2.5.
1021693	Incorrect time displays on the SDWAN monitor health check status.
1026955	Configuring BGP communities encounters errors due to improper format on the FortiManager.
1029746	There are "carriage return characters" in the downloaded config files from the <i>Device Manager</i> .

## FortiSwitch Manager

Bug ID	Description
995984	Cannot create MC-LAG in <i>FortiSwitch Manager</i> .
1040428	FortiSwitch diagnostics tools do not display the cable test diagnose results, device information on Ports, and update Registration status.

## Global ADOM

Bug ID	Description
999500	Unable to configure EMS settings in the Global ADOM.
1005177	When creating a script to rename the policies on global db policy block by taking their IDs, the error, "[Policy id space out of range]", can be seen.

## Others

Bug ID	Description
954564	FortiManager attempts to change FortiExtender serial number and returns an installation error.
967214	Unable to set up metadata variables using CSV file when Workspace mode is enabled on ALL ADOMs.
968647	On the <i>Log View</i> (when FortiAnalyzer is added to FortiManager) changing time filters, first request always fails but second one is successful.
983359	The "40F-3G-4G LTE" modem is not listed on the FortiManager's <i>Extender Manager</i> .
986753	Policy installation may stuck on the validation due to recurrent Segmentation Fault error on the <code>webevent/webworkerprocesses</code> .
988422	The installation fails to FortiProxys when FortiManager attempts to set the firewall address object with the associated-interface value of "any". FortiProxy does not support the "any" value key.
988477	There is not detail output information when executing " <code>diagnose cdb check policy-packages</code> ".
991052	FortiManager AWS is not able to form GeoRedundant Cluster as VRRP HA fails to sync.
995459	Not able to fix and delete the "duplicate ADOM root node" objects after running the " <code>cdb upgrade</code> " command.
1003261	FortiManager displays the Vulnerability notification alert but the device list is blank.
1015415	When FortiAnalyzer is added as a managed device to FortiManager, filtered logs will not be displayed under <i>Log View</i> .
1015890	Unable to upgrade ADOM from v6.4 to v7.0 due to "switch-controller traffic-policy" error.
1022997	When devices are vulnerable, the table view freezes, resulting in the section not loading properly and the GUI continuously spinning.
1023512	FortiManager fails to install policies to FortiProxy if number of local users are more than 1000.
1025097	The GUI crashes with "Uncaught TypeError: Cannot read properties..." as soon as the first dot

Bug ID	Description
	of an IP address is entered in the generic search of the Firewall Addresses table. This occurs when there is an address object with a <NULL> subnet.
1032350	FortiManager fails to download Install preview log because the button is grayed out (for both policy package and device setting and device setting only installations).
1034511	Unable to upgrade ADOM from v7.2 to v7.4 due to a crash occurring with the assigned FortiSwitch template.
1050556	Unable to fix "adom-integrity" error using "diagnose cdb upgrade" command.

## Policy and Objects

Bug ID	Description
843716	FortiManager tries to unset url-map for TCP forwarding ZTNA virtual server.
852603	Per-device mapping feature is not available for EMS connector under the <i>Policy &amp; Objects</i> on the FortiManager.
883064	If any admin makes changes to "Object Selection Pane", either setting it to "Dock to Right", "Dock to Bottom", or "Classic Dual Pane", it will affect all other admin's GUI preferences.
897470	When running the "Policy Check", FortiManager occasionally incorrectly marks policies as shadowed.
902315	Multicast firewall policies are not visible in GUI when both interfaces are in VWP (virtual wire pair).
958206	Policy package import fails due to a certificate error in the SSL VPN web realm configuration for the virtual host server.
959877	The timestamps displayed for "First/Last Used" under the Hit Count for Firewall Policies within the <i>Policy &amp; Objects</i> section are invalid.
970056	The policy installation fails when FortiManager attempts to apply changes related to the "management address" on the interface of the FortiGates.
971610	FortiManager does not able to import the Central SNAT, DNAT, DOS, local-in, and traffic shaping policies.
993263	Filters in <i>Policy Packages</i> do not function correctly.
997752	Install preview randomly hangs and doesn't return any data on next screen.
998238	Unable to delete some Object Addresses due to the invalid policy nodes and references.
998850	Modification to Policy with install target does not update the policy package status.
1001027	If using Static Route template, FortiManager may become unresponsive when trying to install multiple devices simultaneously.

Bug ID	Description
1001165	Installation failure while installing the Fortinet_GUI_Server Certificate.
1002787	User external-identity-provider can't be created in the User Definition or CLI configuration under the <i>Policy &amp; Objects</i> .
1002794	FortiManager attempts to remove the existing external-resource when "set external-blocklist-enable-all enable" in AV profile.
1003295	"Install On" field in FortiManager does not exist anymore.
1003309	When an address object is cloned it is not automatically included in the original address group.
1004056	The installation may encounter an error related to Syntax support for the "ssh-enc-algo" command.
1008413	FortiManager fails to load IPS signatures in the profile. This may only occur when the number of signatures listed in the profile is larger than 80.
1008729	EMS tags fail to import upon clicking <i>Apply</i> and <i>Refresh</i> .
1009296	"Fork error (out of memory?)" message has been observed when installing Policy Package on multiple targets simultaneously.
1012389	"Negate Source" and "Negate Destination" options are missing.
1012400	The policy package installation is hanging due to a crash in the "securityconsole" application. This is more likely to happen when installing to more than five devices.
1012413	Searching for an address object by its IP address does not display the related address groups, instead it only shows the address object.
1012435	When editing an address group in a firewall policy, the members do not display correctly.
1013434	Unable to add VIP/VIP group in the destination address field of policies, as they are not visible when trying to add them in ADOM 6.4.
1013459	FortiManager fails to Load address object in SSL/SSH inspection.
1013948	After upgrading to FortiManager versions 7.2.5 or 7.4.3, the installation preview may hang. However, the installation process itself can be completed successfully.
1013990	There are no commands available for installing source or destination interfaces when adding them to a firewall policy or SNAT rule.
1014499	FortiManager Azure SDN connector is unable to pull K8s label from AKS.
1020917	When "partial-install" feature is enabled, clicking on " <i>Install Objects</i> " can sometimes freeze the GUI, preventing any modifications until it refreshes and also installation may not completed.
1027238	Unable to install when using vlan interfaces within a Virtual Wire Pair Policy.
1040160	When installing policy to a FortiGate that uses FortiSandbox inline scanning on an AV profile, FortiManager unsets the configuration on install.

## Revision History

Bug ID	Description
801614	FortiManager might display an error message "Failed to create a new revision." for some FortiGates when retrieving their configurations.

## Script

Bug ID	Description
1008268	The FortiManager script installation process hangs and does not complete.
1011730	FortiManager does not load scripts instantly; it takes a noticeable number of seconds for each script to open.
1012336	Pre-installation from CLI Template fails with the error message "Attribute source-IP check error for RADIUS users."
1020938	After the image upgrade, users may encounter a "Temporarily Unavailable" page message. This problem specifically occurs when special characters, like "\$(...)", are used within a TCL script in an ADOM. The Meta variable parsing function incorrectly identifies these characters as meta variable delimiters.
1030938	Unable to install IPS signature created through script from FortiManager.

## System Settings

Bug ID	Description
987173	The "ext-auth-group-match" feature doesn't work for SAML SSO users.
988343	SSO users are unable to switch between ADOMs.
1034076	Admin Profile with no access to provisioning template can view provisioning templates by using direct URLs.
1040130	GMT+6 is not visible on the <i>System Settings</i> .

## Common Vulnerabilities and Exposures

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

Bug ID	CVE references
1003799	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-33506</li></ul>
1018398	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-31496</li></ul>
1018399	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-32115</li></ul>
1019450	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-32118</li></ul>
1019451	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-32117</li></ul>
1020805	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-32123</li></ul>
1021287	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-33503</li></ul>
1023945	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-32116</li></ul>
1023953	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-45331</li></ul>
1023958	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-33501</li></ul>
1027360	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-33502</li></ul>
1027835	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-35277</li></ul>
1028284	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-23666</li></ul>
1028868	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-33505</li></ul>
1029379	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-36508</li></ul>
1034018	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-36512</li></ul>
1034881	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-35276</li></ul>
1040286	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-40584</li></ul>

Bug ID	CVE references
1051914	FortiManager 7.2.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2024-6387</li></ul>

# Known issues

Known issues are organized into the following categories:

- [New known issues on page 53](#)
- [Existing known issues on page 54](#)

To inquire about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

## New known issues

The following issues have been identified in version 7.2.6.

### Device Manager

Bug ID	Description
1063835	FortiManager ZTP installation to FortiGate versions 7.2.8 and lower may fail due to differing default "ssh-kex-algo" settings between FortiManager and FortiGate.
1067706	Metadata variables cannot be used in the firewall address objects.
1070943	Unable to upgrade the devices via Device Group Upgrade Firmware feature. <b>Workaround:</b> Upgrade devices individually by using the "Device Firmware Upgrade" feature or Create New Firmware Template for single devices or device groups and use the "Assign to Devices/Groups" feature.

### Policy & Objects

Bug ID	Description
983591	In the Firewall section, when attempting to add a note to the policy, the comment window shifts towards the left corner.
1068736	Best Quality SDWAN rules installation may fail with the following error message: "Commit failed: Bad health check name".

## Script

Bug ID	Description
931088	Unable to delete VDOMs using the FortiManager script. Interfaces remain in the device database, causing the installation to fail.

## Services

Bug ID	Description
1034102	<p>Unable to upgrade FortiGates from FortiManager due to a "no valid FMWR license" error, despite the FortiGates being licensed. This issue is reported when the "FMG Authorization table" on the FDS server is empty.</p> <p><b>Workaround:</b></p> <p>Re-downloading FortiGate contracts from FDS server by running the following commands on the FortiManager:</p> <pre>diagnose fmupdate del-device &lt;FGT_SN&gt; diagnose fmupdate service-restart fds diagnose fmupdate service-restart fwm</pre>
1068809	Users may encounter a "no valid FMWR license" error message when attempting to upgrade FortiGate firmware images from FortiManager, even if the devices have valid firmware contracts.

## Existing known issues

The following issues have been identified in a previous version of FortiManager and remain in FortiManager 7.2.6.

### AP Manager

Bug ID	Description
1010632	Floor Map shows wrong AP status and does not show the rest of APs when adding a new AP.

### Device Manager

Bug ID	Description
894948	FortiManager fails to push the FortiAnalyzer override settings to the FortiGate.
980362	The Firmware Version column in <i>Device Manager</i> incorrectly shows "Upgrading FortiGate from V1 to V2" even after a successful upgrade has been completed.

Bug ID	Description
1004220	The SD-WAN Overlay template creates route-map names that exceed the 35-character limit.
1062545	When using the backslash "\" in the preshared key of IPSEC settings, the install may fail.
1063635	FortiManager does not support the "FortiWiFi-80F-2R-3G4G-DSL".

## Others

Bug ID	Description
703585	FortiManager may return "Connection aborted" error with JSON API request.
777831	When FortiAnalyzer is added as a managed device to FortiManager, the " <i>Incident &amp; Event</i> " tile will be displayed instead of the " <i>FortiSoC</i> ".
1003711	<p>During the FortiGate HA upgrade, both the primary and secondary FortiGates may reboot simultaneously, which can disrupt the network. This issue is more likely to occur in FortiGates that require disk checks, leading to longer boot times.</p> <p><b>Workaround:</b></p> <p>Disabling the disk check on fmupdate before the upgrade using the following command:</p> <pre>config fmupdate fwm-setting   set check-fgt-disk disable end</pre>
1019261	<p>Unable to upgrade ADOM from 7.0 to 7.2, due to the error, "Do not support urlfilter-table for global scope webfilter profile".</p> <p><b>Workaround:</b></p> <p>Run the following script against the ADOM DB:</p> <pre>config webfilter profile   edit "g-default"     config web       unset urlfilter-table     end   next end</pre>
1029677	<p>Unable to upgrade ADOM from v6.4 to v7.0 due to global scope error in webfilter profile.</p> <p><b>Workaround:</b></p> <p>Rename the "g-default" to "g-test" &gt; save. It can be deleted after that. Once ADOM upgraded, new g-default is created.</p>

## Policy & Objects

Bug ID	Description
845022	SDN Connector failed to import objects from VMware VSphere.
967271	Installation failed when trying to remove firewall internet-service-name objects.

Bug ID	Description
1004929	FortiManager removes the Web Filter Profile from the Profile Group for Policy-Based FortiGates. <b>Workaround:</b> Use individual profiles in the policy instead of the profile group.
1005161	The policy package status changes for all devices even when an address object is opened and saved without any modifications. This issue is particularly observed in objects utilizing the per-device mapping feature.

## VPN Manager

Bug ID	Description
784385	If policy changes are made directly on the FortiGates, the subsequent policy package import creates faulty dynamic mappings for <i>VPN Manager</i> . <b>Workaround:</b> It is strongly recommended to create a fresh backup of the FortiManager's configuration prior to the workaround. Perform the following command to check & repair the FortiManager's configuration database: <pre>diagnose cdb check policy-packages &lt;adom&gt;</pre> After running this command, FortiManager will remove the invalid mappings of vpnmgr interfaces.
1042701	The traffic view page for the full mesh does not display the FortiGate and the external gateway.

## 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	✓	✓
FortiADC	✓	
FortiCache	✓	
FortiCarrier	✓	✓
FortiClient	✓	
FortiDeceptor	✓	✓
FortiDDoS	✓	
FortiEMS	✓	
FortiMail	✓	✓
FortiProxy	✓	✓
FortiSandbox	✓	✓
FortiSOAR	✓	
FortiTester	✓	
FortiWeb	✓	
FortiPAM	✓	

## 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. 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](#).



- FortiManager-VM subscription licenses are fully stackable.
  - For FortiManager-VM perpetual licenses, only the number of managed devices is stackable.
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