# Release Notes

## FortiManager 7.2.12

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# Change Log

| Date | Change Description |
|------|-------------------|
| 2026-01-29 | Initial release. |

# FortiManager 7.2.12 Release

This document provides information about FortiManager version 7.2.12 build 1721.

| | 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

FortiManager version 7.2.12 supports the following models:

| FortiManager | 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. |
|---|---|
| FortiManager VM | 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 20.

See also Appendix B - Default and maximum number of ADOMs supported on page 55.

# Special Notices

This section highlights some of the operational changes that administrators should be aware of in 7.2.12.

# MEAs removed in FortiManager 7.2.11

As of FortiManager 7.2.11, there is no support for management extension applications (MEAs) in FortiManager.

# New CLI option for managing FortiGate HA clusters

By default, FortiManager no longer installs HA-related configurations to FortiGate clusters unless explicitly configured to do so.

The following CLI option has been added in FortiManager 7.2.11:

```
config system dm
    set handle-nonhasync-config {enable | disable}
end
```

Previously, there was no CLI option like `handle-nonhasync-config`. This caused issues during installations to FortiGate HA clusters. For example, FortiManager could push FortiGate A's IP to FortiGate B, leading to partial or failed policy package (PP) installations.

Now, with the introduction of the `handle-nonhasync-config` CLI setting:

- Disabled (default): FortiManager will skip any configuration items marked as nonhasync when installing to the FortiGate. This avoids pushing HA-related or member-specific configurations that might break HA sync.
- Enabled: FortiManager will include nonhasync configuration items during installation, allowing updates to HA settings, vdom-exception configs, and other per-platform objects.

This change makes FortiManager behavior safer by default and gives admins more control over what gets pushed to HA clusters.

# The system interface speed is read-only in FortiManager

The default value for `system interface speed` in FortiOS depends on the FortiGate platform, specified interface, and config. This attribute is read-only in FortiManager, and can only be edited in the FortiGate.

# Adding VM devices to FortiManager

As of FortiManager 7.2.10, connection between VM devices and FortiManager is restricted for security. By default, FortiManager will not allow VM platform connection in FGFM.

This applies to the following products:

- FortiGate-VM
- FortiCarrier-VM
- FortiProxy-VM
- FortiFirewall-VM

When upgrading from an earlier version of FortiManager, VM devices already managed by FortiManager will continue to be supported without interruption, but you must enable `fgfm-allow-vm` in global settings before adding additional VM devices.

To allow VM platform connection in FGFM, enter the following command in the FortiManager CLI:

```
config system global
    set fgfm-allow-vm enable
end
```

# The names of policies derived from policy blocks no longer automatically include the policy block name

In FortiManager 7.2.9 and earlier, when a policy was derived from a "policy block," its name was automatically prefixed with the policy block name, ensuring unique names but sometimes exceeding the 35-character limit in the policy package. To address this, the renaming behavior has been removed, and policies now retain their original names without policy block prefixes, avoiding the character limit issue.

After the fix, FortiManager may encounter duplicate policy names if multiple policy blocks previously contained policies with the same base name. Since FortiManager requires unique policy names for proper management, this duplication can break the installation or functionality of policies. To resolve this, customers may need to manually identify and rename all conflicting policies after upgrading.

# Custom certificate name verification for FortiGate connection

In FortiManager 7.2.10, the `fgfm-peercert-withoutsn` setting was removed, so there is no method to disable this verification. The FortiGate certificate must contain the FortiGate serial number in either the CN or SAN.

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.

# 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
```

# Configuration backup requires a password

As of FortiManager 7.2.5, configuration backup files are automatically encrypted and require you to set a password. The password is required for scheduled backups as well.

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 t1sv1
end
```

# New features

For information about what's new in FortiManager 7.2.12, see the FortiManager 7.2 New Features Guide. The index in the New Features Guide lists new features by release.

# 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 7.2.12 Upgrade Guide.

You can upgrade FortiManager 7.0.1 or later directly to 7.2.12.

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 7.2.12 Upgrade Guide.

This section contains the following topics:

- Downgrading to previous firmware versions on page 19
- Firmware image checksums on page 20
- FortiManager VM firmware on page 20
- SNMP MIB files on page 21
- FortiManager instances on Azure Stack on page 21

# 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.

### Oracle Private Cloud

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

### VMware ESX/ESXi

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

> For more information see the FortiManager Data Sheet available on the Fortinet web site. VM installation guides are available in the Fortinet Document Library.

# SNMP MIB files

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

# 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 7.2.12 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

FortiManager 7.2.12 supports the following software:

⚠️ 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 7.2.12 supports the following web browsers:

- Google Chrome version 144
- Microsoft Edge version 144
- Mozilla Firefox 147

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 7.2.12 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 7.2.12 supports the following versions of FortiOS and FortiOS Carrier:

- 7.2.0 to 7.2.13
- 7.0.0 to 7.0.19
- 6.4.0 to 6.4.16

⚠️ Some FortiOS versions are supported with compatibility issues. For more details, see Compatibility with FortiOS Versions on page 49.

# FortiADC

FortiManager 7.2.12 supports the following versions of FortiADC:

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

# FortiAnalyzer

FortiManager 7.2.12 supports the following versions of FortiAnalyzer:

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

# FortiAnalyzer-BigData

FortiManager 7.2.12 supports the following versions of FortiAnalyzer-BigData:

- 7.2.0 and later
- 7.0.0 and later

# FortiAP

FortiAP devices are controlled by the FortiGate devices managed by FortiManager. Thus, support for FortiAP firmware is dependent on supported FortiOS versions.

For FortiManager compatibility with FortiOS, see FortiOS and FortiOS Carrier on page 23.

For FortiOS compatibility with FortiAP, see the FortiAP and FortiOS Compatibility Matrix.

# FortiAuthenticator

FortiManager 7.2.12 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 7.2.12 supports the following versions of FortiCache:

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

# FortiClient

FortiManager 7.2.12 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 7.2.12 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 28.

# FortiDeceptor

FortiManager 7.2.12 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 7.2.12 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 7.2.12 supports the following versions of FortiMail:

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

# FortiPAM

FortiManager 7.2.12 supports the following versions of FortiPAM:

- 1.1.0 and later
- 1.0.0 and later

# FortiProxy

FortiManager 7.2.12 supports configuration management for the following versions of FortiProxy:

- 7.2.9 to 7.2.13
- 7.2.6 to 7.2.7
- 7.2.2 to 7.2.3
- 7.0.12 to 7.0.21
- 7.0.7 to 7.0.10

> Configuration management support is identified as *Management Features* in these release notes. See Feature support on page 28.

FortiManager 7.2.12 supports logs from the following versions of FortiProxy:

- 7.2.0 to 7.2.14
- 7.0.0 to 7.0.21
- 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 7.2.12 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 7.2.12 supports the following versions of FortiSOAR:

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

# FortiSwitch

FortiSwitch devices are controlled by the FortiGate devices managed by FortiManager. Thus, support for FortiSwitchOS is dependent on supported FortiOS versions.

For FortiManager compatibility with FortiOS, see FortiOS and FortiOS Carrier on page 23.

For FortiOS Compatibility with FortiSwitchOS, see FortiLink Compatibility.

# FortiTester

FortiManager 7.2.12 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 7.2.12 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 7.2.12 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 8.2 and later
- 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 | Configuration Management | Firmware Management | FortiGuard Update Services | VM License Activation | Reports | Logging |
|---|---|---|---|---|---|---|
| **FortiGate** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **FortiCarrier** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| **FortiADC** | | | ✓ | ✓ | | |
| **FortiAnalyzer** | | | | ✓ | ✓ | ✓ |
| **FortiAP** | ✓* | ✓ | | | | |
| **FortiAuthenticator** | | | | | | ✓ |
| **FortiCache** | | | | ✓ | ✓ | ✓ |
| **FortiClient** | | | ✓ | | ✓ | ✓ |

| Platform | Configuration Management | Firmware Management | FortiGuard Update Services | VM License Activation | Reports | Logging |
|---|---|---|---|---|---|---|
| **FortiDDoS** | | | | ✓ | ✓ | ✓ |
| **FortiDeceptor** | | | ✓ | | | |
| **FortiExtender** | ✓* | ✓ | | | | |
| **FortiFirewall** | ✓ | | | | | ✓ |
| **FortiFirewall Carrier** | ✓ | | | | | ✓ |
| **FortiMail** | | | ✓ | ✓ | ✓ | ✓ |
| **FortiProxy** | ✓ | ✓** | ✓ | ✓ | ✓ | ✓ |
| **FortiSandbox** | | | ✓ | ✓ | ✓ | ✓ |
| **FortiSOAR** | | | ✓ | ✓ | | |
| **FortiSwitch** | ✓* | ✓ | | | | |
| **FortiTester** | | | ✓ | | | |
| **FortiWeb** | | | ✓ | ✓ | ✓ | ✓ |
| **Syslog** | | | | | | ✓ |

*FortiManager can push FortiAP, FortiSwitch, and FortiExtender configuration to FortiGate. FortiGate then manages the FortiAP, FortiSwitch, or FortiExtender; they will not be directly managed by FortiManager.

**Only upgrades performed directly on an individual device from *Device Manager* are supported. Firmware management templates are not supported for these devices.

# Language support

The following table lists FortiManager language support information.

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

| Language | GUI | Reports |
|----------|-----|---------|
| **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, FortiWeb, FortiCache, FortiProxy, FortiAuthenticator, and other Fortinet product models and firmware versions can be managed by a FortiManager or send logs to a FortiManager running version 7.2.12.

> 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

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 34.

| Model | Firmware Version |
|---|---|
| **FortiGate:** FortiGate-40F, FortiGate-40F-3G4G, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60E-DSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-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 | 7.2 |
| **FortiGate 5000 Series:** FortiGate-5001E, FortiGate-5001E1 | |
| **FortiGate 6000 Series:** FortiGate-6000F, FortiGate-6001F, FortiGate-6300F, FortiGate-6300F-DC, FortiGate-6301F, FortiGate-6301F-DC, FortiGate-6500F, FortiGate-6500F-DC, FortiGate-6501F, FortiGate-6501F-DC | |
| **FortiGate 7000 Series:** 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 | |

| Model | Firmware Version |
|---|---|
| **FortiGate DC:** 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<br><br>**FortiWiFi:** FWF-60E, FWF-60E-DSL, FWF-60E-DSLJ, FWF-60F, FWF-61E, FWF-61F, FWF-70G, FWF-71G, FWF-80F-2R, FWF-80F-2R-3G4G-DSL, FWF-81F-2R, FWF-81F-2R-3G4G-DSL, FWF-81F-2R-3G4G-POE, FWF-81F-2R-POE<br><br>**FortiGate VM:** 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<br><br>**FortiOS-VM:** FOS-VM64, FOS-VM64-HV, FOS-VM64-KVM, FOS-VM64-Xen<br><br>**FortiGate Rugged:** FGR-60F, FGR-60F-3G4G, FGR-70F, FGR-70F-3G4G | |
| **FortiGate:** 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,<br><br>**FortiGate 5000 Series:** FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1 | 7.0 |

| Model | Firmware Version |
|---|---|
| **FortiGate DC:** 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 <br><br> **FortiWiFi:** 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 <br><br> **FortiGate VM:** 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 <br><br> **FortiOS-VM:** FOS-VM64, FOS-VM64-HV, FOS-VM64-KVM, FOS-VM64-Xen <br><br> **FortiGate Rugged:** FGR-60F, FGR-60F-3G4G | |
| **FortiGate:** FortiGate-40F, FortiGate-40F-3G4G, FortiGate-60E, FortiGate-60E-DSL, FortiGate-60E-DSLJ, FortiGate-60E-POE, FortiGate-60F, FortiGate-61E, FortiGate-61F, FortiGate-80E, FortiGate-80E-POE, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-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, <br><br> **FortiGate 5000 Series:** FortiGate-5001D, FortiGate-5001E, FortiGate-5001E1 <br><br> **FortiGate DC:** 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 | 6.4 |

| Model | Firmware Version |
|---|---|
| **FortiGate Hardware Low Encryption:** FortiGate-100D-LENC | |
| **FortiWiFi:** 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 | |
| **FortiGate VM:** 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 | |
| **FortiOS-VM:** FOS-VM64, FOS-VM64-HV, FOS-VM64-KVM, FOS-VM64-Xen | |
| **FortiGate Rugged:** FGR-60F, FGR-60F-3G4G | |

# FortiGate special branch models

The following FortiGate models are released on special branches of FortiOS. FortiManager version 7.2.12 supports these models on the identified FortiOS version and build number.

For information about supported FortiGate models released with FortiOS firmware, see .

## FortiOS 7.2

| FortiGate Model | FortiOS Version | FortiOS Build |
|---|---|---|
| FortiGate-30G, FortiGate-31G | 7.2.12 | 6662 |
| FortiGate-70G, FortiGate-71G | 7.2.11 | 6559 |
| FortiGate-70G-POE, FortiGate-71G-POE | 7.2.11 | 6559 |
| FortiGate-200G, FortiGate-201G | 7.2.12 | 6660 |
| FortiWiFi-30G, FortiWiFi-31G | 7.2.12 | 6662 |
| FortiWiFi-70G, FortiWiFi-71G FortiWiFi-70G-POE | 7.2.11 | 6566 |

## FortiOS 7.0

| FortiGate Model | FortiOS Version | FortiOS Build |
|---|---|---|
| FortiGate-50G, FortiGate-50G-5G, FortiGate-50G-DSL, FortiGate-50G-SFP, FortiGate-50G-SFP-POE | 7.0.17 | 7592 |
| FortiGate-51G, FortiGate-51G-5G, FortiGate-51G-SFP-POE | 7.0.17 | 7592 |
| FortiGate-80F-DSL | 7.0.17 | 7569 |
| FortiGate-90G, FortiGate-91G | 7.0.17 | 7571 |
| FortiGate-120G, FortiGate-121G | 7.0.16 | 7534 |
| FortiGate-900G, FortiGate-900G-DC, FortiGate-901G, FortiGate-901G-DC | 7.0.17 | 7573 |
| FortiGate-1000F, FortiGate-1001F | 7.0.17 | 7574 |
| FortiGate-3200F, FortiGate-3201F | 7.0.17 | 7575 |
| FortiGate-3700F, FortiGate-3701F | 7.0.17 | 7575 |
| FortiGate-4800F, FortiGate-4800F-DC | 7.0.17 | 7575 |
| FortiGate-4801F, FortiGate-4801F-DC | 7.0.17 | 7575 |
| FortiGate-6000F, FortiGate-6001F, FortiGate-6300F, FortiGate-6300F-DC, FortiGate-6301F, FortiGate-6301F-DC, FortiGate-6500F, FortiGate-6500F-DC, FortiGate-6501F, FortiGate-6501F-DC | 7.0.16 | 0280 |
| FortiGate-7000E, FortiGate-7030E, FortiGate-7040E, FortiGate-7060E, FortiGate-7060E-8-DC | 7.0.16 | 0280 |
| FortiGate-7000F, FortiGate-7081F, FortiGate-7081F-2-DC, FortiGate-7081F-DC, FortiGate-7121F, FortiGate-7121F-2, FortiGate-7121F-2-DC, FortiGate-7121F-DC | 7.0.16 | 0280 |
| FortiGateRugged-50G-5G | 7.0.17 | 7577 |
| FortiGateRugged-70F, FortiGateRugged-70F-3G4G | 7.0.17 | 7570 |
| FortiGateRugged-70G | 7.0.15 | 7496 |
| FortiGateRugged-70G-5G-Dual | 7.0.16 | 7515 |
| FortiWiFi-50G, FortiWiFi-50G-5G, FortiWiFi-50G-DSL, FortiWiFi-50G-SFP | 7.0.17 | 7592 |

| FortiGate Model | FortiOS Version | FortiOS Build |
|---|---|---|
| FortiWiFi-51G | 7.0.17 | 7592 |
| FortiWiFi-51G-5G | 7.0.15 | 7537 |
| FortiWiFi-80F-2R-3G4G-DSL, FortiWiFi-81F-2R-3G4G-DSL | 7.0.17 | 7569 |

## 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-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 .

| Model | Firmware Version |
|---|---|
| **FortiCarrier**: 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 <br><br>**FortiCarrier 6000 Series:** FortiCarrier-6000F, FortiCarrier-6001F, FortiCarrier-6300F, FortiCarrier-6300F-DC, FortiCarrier-6301F, FortiCarrier-6301F-DC, FortiCarrier-6500F, FortiCarrier-6500F-DC, FortiCarrier-65001F, FortiCarrier-6501F-DC <br><br>**FortiCarrier 7000 Series:** 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 <br><br>**FortiCarrier-DC**: 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 <br><br>**FortiCarrier-VM**: 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 | 7.2 |
| **FortiCarrier**: 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 <br><br>**FortiCarrier-DC**: 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 <br><br>**FortiCarrier-VM**: 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 | 7.0 |

| Model | Firmware Version |
|---|---|
| **FortiCarrier:** FortiCarrier-3000D, FortiCarrier-3100D, FortiCarrier-3200D, FortiCarrier-3300E, FortiCarrier-3301E, FortiCarrier-3400E, FortiCarrier-3401E, FortiCarrier-3500F, FortiCarrier-3501F, FortiCarrier-3600E, FortiCarrier-3601E, FortiCarrier-3700D, FortiCarrier-3800D, FortiCarrier-3810D, FortiCarrier-3815D, FortiCarrier-3960E, FortiCarrier-3980E, FortiCarrier-5001D, FortiCarrier-5001E, FortiCarrier-5001E1 | 6.4 |
| **FortiCarrier-DC:** 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 | |
| **FortiCarrier-VM:** FortiCarrier-VM64, FortiCarrier-VM64-ALI, FortiCarrier-VM64-AWS, FortiCarrier-VM64-Azure, FortiCarrier-VM64-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-IBM, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen | |

# FortiCarrier special branch models

The following FortiCarrier models are released on special branches of FortiOS Carrier. FortiManager version 7.2.12 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 36.

## FortiCarrier 7.0

| FortiCarrier Model | FortiCarrier Version | FortiCarrier Build |
|---|---|---|
| FortiCarrier-3200F, FortiCarrier-3201F | 7.0.17 | 7575 |
| FortiCarrier-3700F, FortiCarrier-3701F | 7.0.17 | 7575 |
| FortiCarrier-4800F, FortiCarrier-4800F-DC | 7.0.17 | 7575 |
| FortiCarrier-4801F, FortiCarrier-4801F-DC | 7.0.17 | 7575 |
| FortiCarrier-6000F, FortiCarrier-6001F, FortiCarrier-6300F, FortiCarrier-6300F-DC, FortiCarrier-6301F, FortiCarrier-6301F-DC, FortiCarrier-6500F, FortiCarrier-6500F-DC, FortiCarrier-65001F, FortiCarrier-6501F-DC | 7.0.16 | 0280 |

| FortiCarrier Model | FortiCarrier Version | FortiCarrier Build |
|---|---|---|
| FortiCarrier-7000E, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7060E-8-DC | 7.0.16 | 0280 |
| 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 | 7.0.16 | 0280 |

## 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 |
|---|---|
| **FortiADC**: FortiADC-100F, FortiADC-120F, FortiADC-200D, FortiADC-200F, FortiADC-220F, FortiADC-300D, FortiADC-300F, FortiADC-400D, FortiADC-400F, FortiADC-700D, FortiADC-1000F, FortiADC-1200F, FortiADC-1500D, FortiADC-2000D, FortiADC-2000F, FortiADC-2200F, FortiADC-4000D, FortiADC-4000F, FortiADC-4200F, FortiADC-5000F<br>**FortiADC VM**: FortiADC-VM | 7.0, 7.1, 7.2 |

# FortiAnalyzer models

| Model | Firmware Version |
|---|---|
| **FortiAnalyzer**: 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<br><br>**FortiAnalyzer VM**: 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 |
| **FortiAnalyzer**: 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<br><br>**FortiAnalyzer VM**: 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 |
| **FortiAnalyzer:** FortiAnalyzer-150G, FortiAnalyzer-200F, FortiAnalyzer-300F, FortiAnalyzer-300G, FortiAnalyzer-400E, FortiAnalyzer-800F, FortiAnalyzer-800G, FortiAnalyzer-1000E, FortiAnalyzer-1000F, FortiAnalyzer-2000E, FortiAnalyzer-3000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3500E, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3700F, FortiAnalyzer-3700G, FortiAnalyzer-3900E<br><br>**FortiAnalyzer VM:** 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 |
|---|---|
| **FortiAnalyzer-BigData**: FortiAnalyzer-BigData-4500F | 7.2 |

| Model | Firmware Version |
|---|---|
| **FortiAnalyzer-BigData VM**: FortiAnalyzer-BigData-VM64 | |
| **FortiAnalyzer-BigData**: FortiAnalyzer-BigData-4500F<br>**FortiAnalyzer-BigData VM**: FortiAnalyzer-BigData-VM64 | 7.0 |

# FortiAuthenticator models

| Model | Firmware Version |
|---|---|
| **FortiAuthenticator:** FAC-200D, FAC-200E, FAC-300F, FAC-400C, FAC-400E, FAC-800F, FAC-1000C, FAC-1000D, FAC-2000E, FAC-3000D, FAC-3000E, FAC-3000F<br>**FortiAuthenticator VM:** FAC-VM | 6.4, 6.5, 6.6 |
| **FortiAuthenticator:** FAC-200D, FAC-200E, FAC-300F, FAC-400C, FAC-400E, FAC-800F, FAC-1000C, FAC-1000D, FAC-2000E, FAC-3000D, FAC-3000E<br>**FortiAuthenticator VM:** FAC-VM | 6.2, 6,3 |

# FortiCache models

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

# FortiDDoS models

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

# FortiDeceptor models

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

# FortiFirewall models

Some of the following FortiFirewall models are released on special branches of FortiFirewall firmware. FortiManager version 7.2.12 supports these models on the identified FortiFirewall firmware version and build number.

## FortiFirewall 7.2

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

## FortiFirewall 7.0

| Model | Firmware Version | Firmware Build (for special branch) |
|---|---|---|
| **FortiFirewall**: FortiFirewall-3001F | 7.0.10 | 4955 |
| **FortiFirewall**: FortiFirewall-3501F | 7.0.10 | 4940 |

| Model | Firmware Version | Firmware Build (for special branch) |
|---|---|---|
| **FortiFirewall**: FortiFirewall-3980E<br>**FortiFirewall DC**: FortiFirewall-3980E-DC<br>**FortiFirewall-VM**: FortiFirewall-VM64, FortiFirewall-VM64-KVM | 7.0 | |

## FortiFirewall 6.4

| Model | Firmware Version | Firmware Build (for special branch) |
|---|---|---|
| **FortiFirewall**: FortiFirewall-1801F, FortiFirewall-2600F<br>**FortiFirewall DC**: FortiFirewall-1801F-DC, FortiFirewall-2600F-DC | 6.4.12 | 5423 |
| **FortiFirewall**: FortiFirewall-3980E<br>**FortiFirewall DC**: FortiFirewall-3980E-DC | 6.4 | |
| **FortiFirewall**: FortiFirewall-4200F, FortiFirewall-4400F | 6.4 | 1999 |
| **FortiFirewall**: FortiFirewall-4401F<br>**FortiFirewall DC**: FortiFirewall-4401F-DC | 6.4.12 | 5423 |
| **FortiFirewall-VM**: 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 7.2.12 supports these models on the identified FortiFirewallCarrier firmware version and build number.

## FortiFirewallCarrier 7.2

| Model | Firmware Version | Firmware Build (for special branch) |
|---|---|---|
| **FortiFirewallCarrier**: FortiFirewallCarrier-1801F<br>**FortiFirewallCarrier-DC**: FortiFirewallCarrier-1801F-DC | 7.2.6 | 4609 |

| Model | Firmware Version | Firmware Build (for special branch) |
|---|---|---|
| **FortiFirewallCarrier**: FortiFirewallCarrier-2600F, FortiFirewallCarrier-3980E, FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F, FortiFirewallCarrier-4401F, FortiFirewallCarrier-4801F<br><br>**FortiFirewallCarrier-DC**: FortiFirewallCarrier-4200F-DC, FortiFirewallCarrier-4401F-DC<br><br>**FortiFirewallCarrier-VM**: FortiFirewallCarrier-VM64, FortiFirewallCarrier-VM64-KVM | 7.2 | |

## FortiFirewallCarrier 7.0

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

## FortiFirewallCarrier 6.4

| Model | Firmware Version | Firmware Build (for special branch) |
|---|---|---|
| **FortiFirewallCarrier**: FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F | 6.4 | |
| **FortiFirewallCarrier**: FortiFirewallCarrier-4401F | 6.4.9 | 5318 |

## FortiFirewallCarrier 6.2

| Model | Firmware Version | Firmware Build (for special branch) |
|---|---|---|
| **FortiFirewallCarrier**: FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F | 6.2.7 | 5148 |

# FortiMail models

| Model | Firmware Version |
|---|---|
| **FortiMail:** FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-2000F, FE-3000F | 7.2 |
| **FortiMail:** FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-1000D, FE-2000E, FE-2000F, FE-3000D, FE-3000E, FE-3000F, FE-3200E<br>**FortiMail VM:** FML-VM, FortiMail Cloud | 7.0 |
| **FortiMail:** FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-1000D, FE-2000E, FE-3000D, FE-3000E, FE-3200E<br>**FortiMail VM:** FML-VM, FortiMail Cloud | 6.4 |

# FortiPAM models

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

# FortiProxy models

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

# FortiSandbox models

| Model | Firmware Version |
|---|---|
| **FortiSandbox:** FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D <br> **FortiSandbox DC:** FSA-1000F-DC <br> **FortiSandbox-VM:** FortiSandbox-AWS, FortiSandbox-Cloud, FSA-VM | 4.4 |
| **FortiSandbox:** FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D <br> **FortiSandbox DC:** FSA-1000F-DC <br> **FortiSandbox-VM:** FortiSandbox-AWS, FortiSandbox-Cloud, FSA-VM | 4.2 |
| **FortiSandbox:** FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D <br> **FortiSandbox DC:** FSA-1000F-DC <br> **FortiSandbox-VM:** FortiSandbox-AWS, FortiSandbox-Cloud, FSA-VM | 4.0 |
| **FortiSandbox:** FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3500D <br> **FortiSandbox DC:** FSA-1000F-DC <br> **FortiSandbox-VM:** FortiSandbox-AWS, FSA-VM | 3.2 |

# FortiSOAR models

| Model | Firmware Version |
|---|---|
| **FortiSOAR VM:** FortiSOAR-VM | 7.0, 7.2, 7.3 |

# FortiTester models

| Model | Firmware Version |
|---|---|
| **FortiTester:** FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2000F, FortiTester-2500E, FortiTester-3000E, FortiTester-4000E, <br> **FortiTester VM:** FortiTester-VM, FortiTester-VM-ALI-BYOL, FortiTester-VM-ALI-PAYG, FortiTester-VM-AWS-BYOL, FortiTester-VM-AWS-PAYG, FortiTester-VM-AZURE-BYOL, FortiTester-VM-AZURE-PAYG, FortiTester-VM-GCP-BYOL, FortiTester-VM-GCP-PAYG, FortiTester-VM-IBM-BYOL, FortiTester-VM-IBM-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG | 7.2, 7.3 |

| Model | Firmware Version |
|---|---|
| **FortiTester:** FortiTester-60F, FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2000F, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F<br>**FortiTester VM:** FortiTester-VM, FortiTester-VM-ALI-BYOL, FortiTester-VM-ALI-PAYG, FortiTester-VM-AWS-BYOL, FortiTester-VM-AWS-PAYG, FortiTester-VM-AZURE-BYOL, FortiTester-VM-AZURE-PAYG, FortiTester-VM-GCP-BYOL, FortiTester-VM-GCP-PAYG, FortiTester-VM-IBM-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG | 7.1 |
| **FortiTester:** FortiTester-60F, FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2000F, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F<br>**FortiTester VM:** FortiTester-VM, FortiTester-VM-ALI-BYOL, FortiTester-VM-ALI-PAYG, FortiTester-VM-AWS-BYOL, FortiTester-VM-AWS-PAYG, FortiTester-VM-AZURE-BYOL, FortiTester-VM-AZURE-PAYG, FortiTester-VM-GCP-BYOL, FortiTester-VM-GCP-PAYG, FortiTester-VM-IBM-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG | 7.0 |
| **FortiTester:** FortiTester-60F, FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F<br>**FortiTester VM:** FortiTester-VM, FortiTester-VM-ALI-BYOL, FortiTester-VM-ALI-PAYG, FortiTester-VM-AWS-BYOL, FortiTester-VM-AWS-PAYG, FortiTester-VM-AZURE-BYOL, FortiTester-VM-AZURE-PAYG, FortiTester-VM-GCP-BYOL, FortiTester-VM-GCP-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG | 4.2 |

# FortiWeb models

| Model | Firmware Version |
|---|---|
| **FortiWeb:** FortiWeb-100D, FortiWeb-100E, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-600D, FortiWeb-600E, FortiWeb-1000D, FortiWeb-1000E, FortiWeb-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<br>**FortiWeb VM:** FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer | 7.2, 7.4 |
| **FortiWeb:** FortiWeb-100D, FortiWeb-100E, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-600D, FortiWeb-600E, FortiWeb-1000D, FortiWeb-1000E, FortiWeb-2000E, FortiWeb-2000F, FortiWeb-3000C, FortiWeb-3000CFSX, FortiWeb-3000D, FortiWeb-3000DFSX, FortiWeb-3000E, FortiWeb-3000F, FortiWeb-3010E, FortiWeb-4000C, FortiWeb-4000D, FortiWeb-4000E, FortiWeb-4000F | 6.4, 7.0 |

| Model | Firmware Version |
|---|---|
| **FortiWeb VM:** FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer | |

# Compatibility with FortiOS Versions

This section highlights compatibility issues that administrators should be aware of in FortiManager 7.2.12. This includes providing the syntax diff between the fully supported versions of FortiOS and the newly released versions that may have objects changed, added, or removed. The differences listed apply to FortiOS, but not to FortiManager 7.2.12. Thus, administrators should be aware if they are using the related FortiOS version(s), platform(s), and object(s) listed in this section.

FortiOS versions will be added to this section as the syntax diff becomes available after the FortiOS release. For current support, see the FortiOS Compatibility Tool on the Fortinet Document Library.

## FortiManager 7.2.12 and FortiOS 7.0.18 & 7.0.19 compatibility issues

This section identifies interoperability issues that have been identified with FortiManager 7.2.12 and FortiOS 7.0.18 / FortiOS 7.0.19. FortiOS 7.0.18 and FortiOS 7.0.19 includes syntax changes not supported by FortiManager 7.2.12.

The following commands were added in FOS 7.0.18 (and are also available in FOS 7.0.19), and they cannot be configured from FortiManager 7.2.12.

```
config user saml
    edit <name>
        set require-signed-resp-and-asrt {enable | disable} default = disable
```

```
config system saml
  set require-signed-resp-and-asrt {enable | disable} default = disable
```

# Resolved issues

The following issues have been fixed in 7.2.12. To inquire about a particular bug, please contact Customer Service & Support.

# Common Vulnerabilities and Exposures

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

| Bug ID | CVE references |
|---|---|
| 1247736 | FortiManager 7.2.12 is no longer vulnerable to the following CVE Reference:<br>• CVE-2026-24858 |

# Known issues

Known issues are organized into the following categories:

- New known issues
- Existing known issues

To inquire about a particular bug or to report a bug, please contact Fortinet Customer Service & Support.

# New known issues

No new issues have been identified in version 7.2.12.

# Existing known issues

The following issues have been identified in a previous version of FortiManager and remain in FortiManager 7.2.12.

## 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 *Device Manager* incorrectly shows 'Upgrading FortiGate from V1 to V2' even after a successful upgrade has been completed. |
| 1004220 | The SD-WAN Overlay template creates route-map names that exceed the 35-character limit. |

# Others

| Bug ID | Description |
|--------|-------------|
| 703585 | FortiManager may return 'Connection aborted' error with JSON API request. |
| 968647 | On the *Log View* (when FortiAnalyzer is added to FortiManager) changing time filters, first request always fails but second one is successful.<br>**Workaround**:<br>Use FortiAnalyzer's *Log View* to view logs. |
| 1019261 | Unable to upgrade ADOM from 7.0 to 7.2, due to the error "Do not support urlfilter-table for global scope webfilter profile".<br>**Workaround**:<br>Run the following script against the ADOM DB:<br><br>`config webfilter profile`<br><br>`    edit "g-default"`<br><br>`        config web`<br><br>`            unset urlfilter-table`<br><br>`        end`<br><br>`    next`<br><br>`end` |
| 1029677 | Unable to upgrade ADOM from v6.4 to v7.0 due to global scope error in webfilter profile.<br>**Workaround**:<br>Rename the "g-default" to "g-test" and save. It can be deleted after that. Once ADOM upgraded, new g-default is created. |
| 1052341 | Not able to select Address type MAC in SD-WAN rule source address. |
| 1093040 | SDWAN template import failed when meta variable has the default value set. |
| 1142559 | When attempting to upload the firmware image from FortiGuard, FortiManager returns the following error "Code: -1, Invalid image". This issue has primarily been observed on FortiGate hardware platforms running special build firmware versions, where the image contains an encrypted MBR such as on the FortiGateRugged-70G-5G-Dual, FortiGateRugged-70G, FortiGateRugged-50G-5G, FortiWiFi-70G models. |

# Policy and 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. |
| 971065 | When the number of Custom Internet Services exceeds 256, installation fails due to this limitation. |
| 1029921 | Under the "Web Application Firewall" security profiles, users are unable to disable the signatures via GUI. |
| 1030914 | Copy and paste function in GUI removes name of the policy rule and adds unwanted default security profiles (SSL-SSH no-inspection and default PROTOCOL OPTIONS). |
| 1054707 | FortiManager try to install "unset qos-policy" and installation fails. |
| 1131041 | Not able to create ZTNA Server due to the certificate error. |
| 1215309 | Installation hang when pushing configurations to firewall groups. |

# VPN Manager

| Bug ID | Description |
| --- | --- |
| 784385 | If policy changes are made directly on the FortiGates, the subsequent PP import creates faulty dynamic mappings for *VPN Manager*.<br>**Workaround**:<br>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.<br>`diagnose cdb check policy-packages <adom>`<br>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 443 to communicate with the proxy server in *tunnel* mode by default. Alternatively, you can configure web proxy to use *proxy* mode using port 80. For more information, see the FortiManager Administration Guide.

## 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 | VM License Activation |
|---|:---:|:---:|:---:|
| 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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