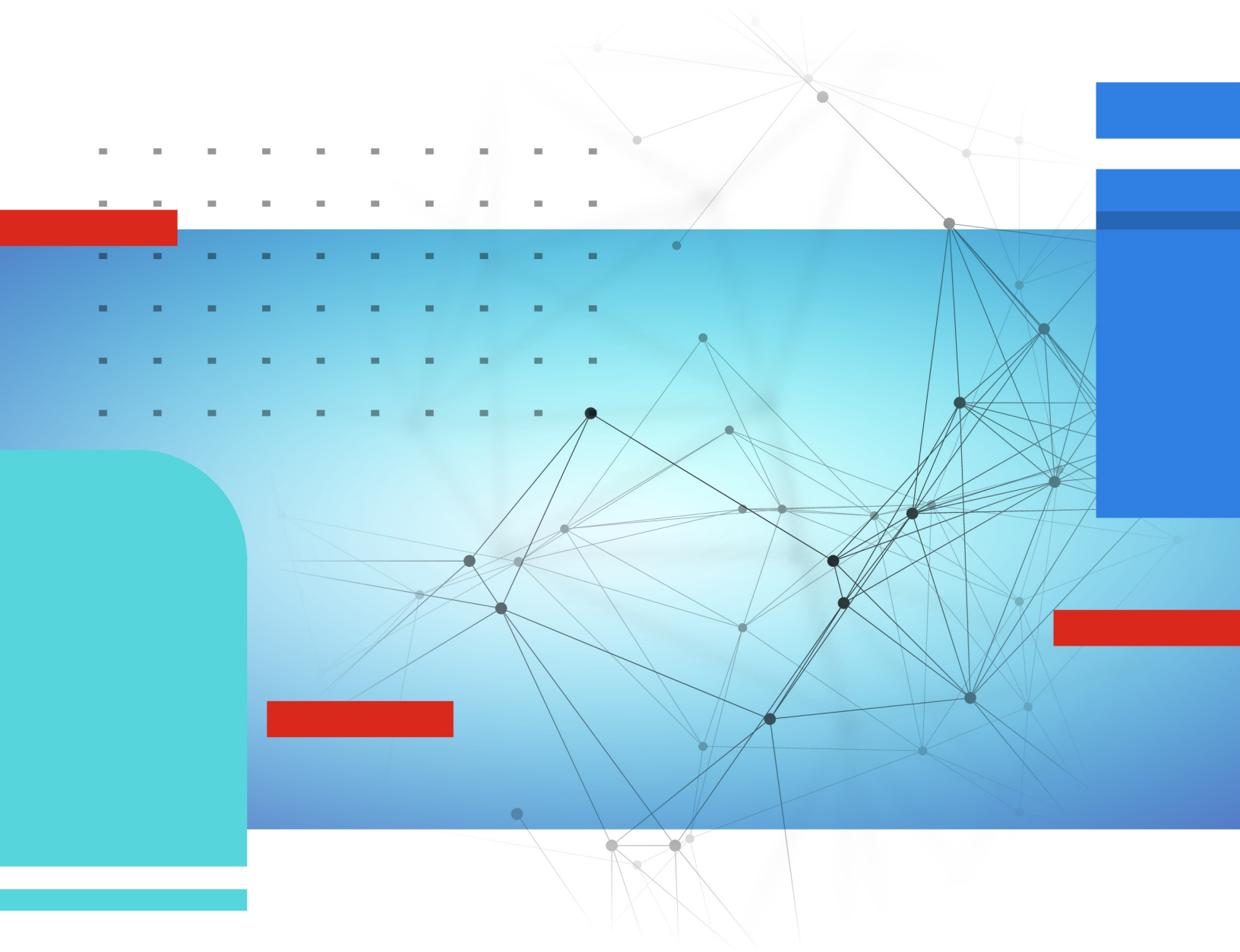
Release Notes

FortiManager 7.6.4



FORTINET DOCUMENT LIBRARY
https://docs.fortinet.com

FORTINET VIDEO LIBRARY
https://video.fortinet.com

FORTINET BLOG
https://blog.fortinet.com

CUSTOMER SERVICE & SUPPORT
https://support.fortinet.com

FORTINET TRAINING & CERTIFICATION PROGRAM
https://www.fortinet.com/training-certification

FORTINET TRAINING INSTITUTE
https://training.fortinet.com

FORTIGUARD LABS
https://www.fortiguard.com

END USER LICENSE AGREEMENT
https://www.fortinet.com/doc/legal/EULA.pdf

FEEDBACK
Email: techdoc@fortinet.com

February 27, 2026
FortiManager 7.6.4 Release Notes
02-764-1168460-20260227

TABLE OF CONTENTS

Change Log

Date	Change Description
2025-08-26	Initial release of 7.6.4.
2025-08-27	Updated Resolved Issues on page 57 and Known issues on page 63. Updated Web browsers on page 25.
2025-09-03	Updated Resolved Issues on page 57 and Known issues on page 63.
2025-09-04	Added FortiSASE on page 29.
2025-09-08	Updated Known issues on page 63.
2025-09-10	Added FortiManager 7.6.4 and FortiOS 7.2.12 compatibility issues on page 54.
2025-09-29	Updated Resolved Issues on page 57 and Known issues on page 63. Added FortiManager 7.6.4 and FortiOS 7.4.9 compatibility issues on page 55.
2025-10-09	Updated Resolved Issues on page 57.
2025-10-14	Updated Known issues on page 63.
2025-10-20	Updated Resolved Issues on page 57 and Known issues on page 63.
2025-10-24	Added "New Admin Profile permissions" to Special Notices on page 8. Updated Resolved Issues on page 57.
2025-10-27	Updated Known issues on page 63.
2025-10-31	Updated Known issues on page 63.
2025-11-07	Updated Resolved Issues on page 57 and Known issues on page 63. Added FortiManager 7.6.4 and FortiOS 7.0.18 compatibility issues on page 54.
2025-11-18	Updated Known issues on page 63.
2025-12-03	Updated Known issues on page 63.
2025-12-04	Updated Known issues on page 63.
2025-12-11	Updated Special Notices on page 8.
2025-12-22	Updated Known issues on page 63.
2026-02-05	Updated Known issues on page 63.
2026-02-12	Updated Known issues on page 63.
2026-02-27	Updated Special Notices on page 8.

FortiManager 7.6.4 Release

This document provides information about FortiManager version 7.6.4 build 3579.

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 7.6.4 supports the following models:

FortiManager	FMG-200F, FMG-200G, FMG-300F, 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_HV (including Hyper-V 2016, 2019, and 2022), FMG_VM64_IBM, 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 22.

See also Appendix B - Default and maximum number of ADOMs supported on page 69.

Special Notices

This section highlights some of the operational changes that administrators should be aware of in 7.6.4.

Upgrading FortiGate devices on FOS 7.6.1 and 7.6.2 from FortiManager

Due to FortiOS issue 1106072, image file transfers between FortiManager and FortiGate devices on FortiOS 7.6.1 and 7.6.2 may fail when the upgrade is initiated from the FortiManager acting as the Local FDS Server. This issue is resolved in FortiOS 7.6.3 and later.

If you select an multi-step upgrade path for FortiGate which contains FortiOS 7.6.1 or 7.6.2, the upgrade process may stop once the devices have been upgraded to these affected versions.

Workarounds:

When managed devices have access to public FortiGuard:

- If FortiGate devices have internet connectivity, you can enable the “Let Device Download Firmware From FortiGuard” option in FortiManager. This allows FortiGate devices to retrieve the firmware image directly from FortiGuard during the upgrade process, reducing load on FortiManager.

When managed devices do NOT have access to public FortiGuard (air-gapped or restricted environments):

- Firmware upgrades may require using the following CLI command on the FortiGate:

  ```
  execute restore image management-station <Image-ID> <Version>
  ```

  With this approach, the FortiGate pulls the firmware image from FortiManager, which acts as a Local FDS server.

  If multiple managed devices are affected, this CLI command can be deployed via a FortiManager script and installed across the FortiGate devices to streamline the upgrade process.

FortiManager and FortiClient EMS compatibility

In FortiClient EMS 7.4.5, the communication protocol has been upgraded from HTTP/1.0 to HTTP/2. Unlike HTTP/1.x, HTTP/2 does not return a traditional "200 OK" text response, so previous versions of FortiManager that expect this format cannot interpret the new HTTP/2 replies. Because of this, versions prior to FortiManager 7.4.9 and 7.6.5 are not compatible with the EMS version 7.4.5 and later.

New Admin Profile permissions

In FortiManager 7.6.4, the following permissions are added for Admin Profiles:

- *Firmware Upgrades* (`device-fwm-profile`): set permissions for device firmware profiles.
- *Assign Templates to Device* (`device-assignment`): set permissions to assign provisioning templates.
- *Execute Script* (`script-run`): set permissions to execute scripts.

To review the default settings for these permissions in predefined Admin Profiles, see the FortiManager Administration Guide.

For existing custom Admin Profiles created prior to upgrading to FortiManager 7.6.4, the new permissions will be set to `None`. You must update these settings according to your needs in the custom Admin Profiles.

Default password policy for local users

Beginning in FortiManager 7.6.4, a password policy for local users is enabled and configured by default. If you are setting up FortiManager 7.6.4 or later, the password created at setup must be at least 8 characters and must contain uppercase letter(s), lowercase letter(s), number(s), and special character(s).

Note that existing password policy settings are maintained after upgrading. For example, if the password policy is disabled prior to upgrading to FortiManager 7.6.4 or later, it will remain disabled after the upgrade.

MEAs removed in FortiManager 7.6.4

As of FortiManager 7.6.4, 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 7.6.3:

```
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.

SSL VPN tunnel mode no longer supported in FortiOS 7.6.3

Starting in FortiOS 7.6.3, the SSL VPN tunnel mode feature is no longer available in the GUI and CLI. Settings will not be upgraded from previous versions. This applies to all FortiGate models.

To ensure uninterrupted remote access, customers must migrate their SSL VPN tunnel mode configuration to IPsec VPN before upgrading to FortiOS 7.6.3.

See Migration from SSL VPN tunnel mode to IPsec VPN in the FortiOS *7.6 New Feature* guide for detailed steps on migrating to IPsec VPN before upgrade.

A complete migration guide can be found in the following links:

- For FortiOS 7.6, see SSL VPN to IPsec VPN Migration.
- For FortiOS 7.4, see SSL VPN to IPsec VPN Migration.

Adding VM devices to FortiManager

As of FortiManager 7.6.3, 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 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.

HA synchronization of FortiGuard package management receive status

Starting in FortiManager 7.6.2, the *To Be Deployed Version* configured in *FortiGuard > Packages > Receive Status* is synchronized in an HA cluster. This means that the package version selected for deployment on the primary device will persist during a failover event. For more information on the *To Be Deployed Version* setting, see the FortiManager Administration Guide.

When upgrading an operating FortiManager cluster to version 7.6.2, please review *To Be Deployed Version* settings for each cluster member before proceeding with the upgrade to ensure there is no unintended impact when the settings are synchronized. If the *To Be Deployed Version* package is not available on the secondary FortiManager, the secondary FortiManager will stay at the latest package to be installed.

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

Previously, 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.

FortiManager support for updated FortiOS private data encryption key

With the introduction of FortiOS 7.6.1, Fortinet has updated the `private-data-encryption` key feature. Administrators are no longer required to manually input a 32-digit hexadecimal `private-data-encryption` key. Instead administrators simply enable the command, and a random `private-data-encryption` key is generated.

Previous FortiOS CLI behavior

```
config system global
    set private-data-encryption enable
end
Please type your private data encryption key (32 hexadecimal numbers):
1234567890123456789012345678 9abc
Please re-enter your private data encryption key (32 hexadecimal numbers) again:
1234567890123456789012345678 9abc
Your private data encryption key is accepted.
```

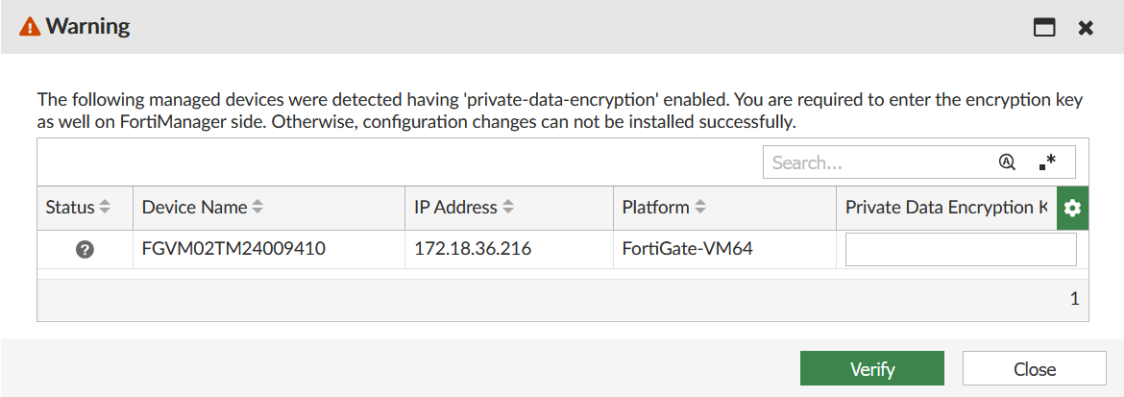
New FortiOS CLI behavior

```
config system global
    set private-data-encryption enable
end
This operation will generate a random private data encryption key!
Previous config files encrypted with the system default key cannot be restored after this
operation!
Do you want to continue? (y/n)y

Private data encryption key generation succeeded!
```

FortiManager behavior

Support for the FortiGate `private-data-encryption` key by the *Device Manager* in FortiManager 7.6.2 and earlier is unchanged. It automatically detects the remote FortiGate `private-data-encryption` key status and prompts the administrator to manually type the private key (see picture below). FortiManager 7.6.2 and earlier does not support the updated, random `private-data-encryption` key as the administrator will have no knowledge of the key generated in the FortiOS CLI command above. It will be supported in a later version of FortiManager.



FortiOS upgrade behavior

If in FortiOS 7.4.5 or 7.6.0 the 32-digit hexadecimal private key is enabled, and then the FortiGate device is upgraded to 7.6.1, the 32-digit hexadecimal `private-data-encryption` key is preserved. As a result, FortiManager 7.6.2 and earlier is aware of the 32-digit hexadecimal `private-data-encryption` key and can continue to manage the FortiGate device. However, if the `private-data-encryption` key is enabled after an upgrade of FortiOS to 7.6.1, FortiManager 7.6.2 and earlier no longer can manage FortiGate devices running FortiOS 7.6.1.

Shell access has been removed

As of FortiManager 7.6.0, 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
```

System Templates include new fields

Beginning in FortiManager 7.4.3, the *Hostname*, *Timezone*, *gui-device-latitude*, and *gui-device-longitude* fields have been added to System Templates.

System Templates created before upgrading to 7.4.3 must be reconfigured to specify these fields following the upgrade. If these fields are not specified in a System Template, the default settings will be applied the next time an install is performed which may result in preferred settings being overwritten on the managed device.

Custom certificate name verification for FortiGate connection

In FortiManager 7.6.2, the `fgfm-peercert-withoutsn` setting has been 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 7.4.3 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 7.4.3, 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.

Additional configuration required for SSO users

Beginning in 7.4.3, 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 7.4.2/7.6.0 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 7.4.2 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 FortiManager 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 v7.4.2/7.6.0 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.

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

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.

Configuration backup requires a password

As of FortiManager 7.4.2, 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.

FortiManager-400E support

FortiManager 7.4.2 and later does not support the FortiManager-400E device.

FortiManager 7.4.2 introduces an upgrade of the OpenSSL library to address known vulnerabilities in the library. As a result, the SSL connection that is setup between the FortiManager-400E device and the Google Map server hosted by Fortinet uses a SHA2 (2048) public key length. The certificate stored on the BIOS that is used during the setup of the SSL connection contains a SHA1 public key length, which causes the connection setup to fail. Running the following command shows the key length.

```
FMG400E # conf sys certificate local
   (local)# ed Fortinet_Local
      (Fortinet_Local)# get
      name : Fortinet_Local
      password : *
      comment : Default local certificate
      private-key :
      certificate :
```

```
        Subject: C = US, ST = California, L = Sunnyvale, O = Fortinet, OU = FortiManager, CN =
              FL3K5E3M15000074, emailAddress = support@fortinet.com
        Issuer: C = US, ST = California, L = Sunnyvale, O = Fortinet, OU = Certificate Authority,
              CN = support, emailAddress = support@fortinet.com
        Valid from: 2015-03-06 16:22:10 GMT
        Valid to: 2038-01-19 03:14:07 GMT
        Fingerprint: FC:D0:0C:8D:DC:57:B6:16:58:DF:90:22:77:6F:2C:1B
        Public key: rsaEncryption (1024 bits)
        Signature: sha1WithRSAEncryption
        Root CA: No
        Version: 3
        Serial Num:
        1e:07:7a
        Extension 1: X509v3 Basic Constraints:
        CA:FALSE
        ...
(Fortinet_Local)#
```

Serial console has changed for FortiManager deployments on Xen

As of FortiManager 7.4.1, the serial console for Xen deployments has changed from hvc0 (Xen specific) to ttyS0 (standard).

OpenXen in PV mode is not supported in FortiManager 7.4.1

As of FortiManager 7.4.1, kernel and rootfs are encrypted. OpenXen in PV mode tries to unzip the kernel and rootfs, but it will fail. Therefore, OpenXen in PV mode cannot be used when deploying or upgrading to FortiManager 7.4.1. Only HVM (hardware virtual machine) mode is supported for OpenXen in FortiManager 7.4.1.

Option to enable permission check when copying policies

As of 7.4.0, 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.

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.

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.

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*.

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.

New features

For information about what's new in FortiManager 7.6.4, see the FortiManager 7.6 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, including recommended upgrade paths.
See the *FortiManager Upgrade Guide* in the Fortinet Document Library.

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. See the *FortiManager Upgrade Guide* in the Fortinet Document Library.

This section contains the following topics:

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
```

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.

Product Integration and Support

This section lists FortiManager 7.6.4 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 7.6.4 supports the following software:

- Virtualization on page 31

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 7.6.4 supports the following web browsers:

- Google Chrome version 139.0.7258.155
- Microsoft Edge version 139.0.3405.119
- Mozilla Firefox 142.0.1

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 7.6.4 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 7.6.4 supports the following versions of FortiOS and FortiOS Carrier:

- 7.6.0 to 7.6.4
- 7.4.0 to 7.4.9
- 7.2.0 to 7.2.11
- 7.0.0 to 7.0.18

Some FortiOS versions are supported with compatibility issues. For more details, see Compatibility with FortiOS Versions on page 54.

FortiADC

FortiManager 7.6.4 supports the following versions of FortiADC:

- 7.6.0 and later
- 7.4.0 and later
- 7.2.0 and later
- 7.1.0 and later
- 7.0.0 and later
- 6.2.0 and later
- 6.1.0 and later
- 6.0.0 and later

FortiAnalyzer

FortiManager 7.6.4 supports the following versions of FortiAnalyzer:

- 7.6.0 and later
- 7.4.0 and later
- 7.2.0 and later
- 7.0.0 and later

FortiAnalyzer-BigData

FortiManager 7.6.4 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.

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

FortiAuthenticator

FortiManager 7.6.4 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

- 6.1.0 and later
- 6.0.0 and later

FortiCache

FortiManager 7.6.4 supports the following versions of FortiCache:

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

FortiCASB

FortiManager 7.6.4 supports the following versions of FortiCASB:

- 23.2.0 and later

FortiClient

FortiManager 7.6.4 supports the following versions of FortiClient:

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

FortiDDoS

FortiManager 7.6.4 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
- 6.1.0 and later
- 5.7.0 and later
- 5.6.0 and later

Limited support. For more information, see Feature support on page 31.

FortiDeceptor

FortiManager 7.6.4 supports the following versions of FortiDeceptor:

- 6.1.0 and later
- 6.0.0 and later
- 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

FortiFirewall and FortiFirewallCarrier

FortiManager 7.6.4 supports the following versions of FortiFirewall and FortiFirewallCarrier:

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

FortiMail

FortiManager 7.6.4 supports the following versions of FortiMail:

- 7.6.0 and later
- 7.4.0 and later
- 7.2.0 and later
- 7.0.0 and later
- 6.4.0 and later
- 6.2.0 and later

FortiPAM

FortiManager 7.6.4 supports the following versions of FortiPAM:

- 1.4.0 and later
- 1.3.0 and later
- 1.2.0 and later
- 1.1.0 and later
- 1.0.0 and later

FortiProxy

FortiManager 7.6.4 supports configuration management for the following versions of FortiProxy:

- 7.6.2 to 7.6.3
- 7.4.0 to 7.4.3, and 7.4.5 to 7.4.9
- 7.2.2, 7.2.3, 7.2.7, and 7.2.9 to 7.2.13
- 7.0.7 to 7.0.21

Configuration management support is identified as *Management Features* in these release notes. See Feature support on page 31.

FortiManager 7.6.4 supports logs from the following versions of FortiProxy:

- 7.6.0 to 7.6.3
- 7.4.0 to 7.4.9
- 7.2.0 to 7.2.13
- 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 7.6.4 supports the following versions of FortiSandbox:

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

FortiSASE

For more information about compatibility, see the FortiSASE Release Notes.

FortiSOAR

FortiManager 7.6.4 supports the following versions of FortiSOAR:

- 7.6.0 and later
- 7.5.0 and later
- 7.4.0 and later
- 7.3.0 and later
- 7.2.0 and later

FortiSRA

FortiManager 7.6.4 supports the following versions of FortiSRA:

- 1.1.0 and later
- 1.0.0 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 25.

For FortiOS Compatibility with FortiSwitchOS, see FortiLink Compatibility.

FortiTester

FortiManager 7.6.4 supports the following versions of FortiTester:

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

FortiToken

FortiManager 7.6.4 supports the following versions of FortiToken:

- 3.0.0 and later

FortiWeb

FortiManager 7.6.4 supports the following versions of FortiWeb:

- 7.6.0 and later
- 7.4.0 and later

- 7.2.0 and later
- 7.0.0 and later

Virtualization

FortiManager 7.6.4 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	✓	✓	✓	✓	✓	✓

Platform	Configuration Management	Firmware Management	FortiGuard Update Services	VM License Activation	Reports	Logging
FortiADC			✓	✓		
FortiAnalyzer				✓	✓	✓
FortiAP	✓*	✓				
FortiAuthenticator						✓
FortiCache				✓	✓	✓
FortiClient			✓		✓	✓
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	✓	✓
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 7.6.4.

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 39.

Model	Firmware Version
FortiGate: FortiGate-40F, FortiGate-40F-3G4G, FortiGate-50G, FortiGate-50G-5G, FortiGate-50G-DSL, FortiGate-50G-SFP, FortiGate-50G-SFP-POE, FortiGate-51G, FortiGate-51G-5G, FortiGate-51G-SFP-POE, FortiGate-60F, FortiGate-61F, FortiGate-70F, FortiGate-70G, FortiGate-70G-POE, FortiGate-71G, FortiGate-71G-POE, FortiGate-71F, FortiGate-80F, FortiGate-80F-Bypass, FortiGate-80F-POE, FortiGate-81F, FortiGate-81F-POE, FortiGate-90G, FortiGate-91G, FortiGate-100F, FortiGate-101F, FortiGate-120G, FortiGate-121G, FortiGate-200E, FortiGate-200F, FortiGate-200G, FortiGate-201E, FortiGate-201F, FortiGate-201G, 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-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-3600E-DC, FortiGate-3601E, FortiGate-3700D, FortiGate-3700F, FortiGate-3701F, FortiGate-3960E, FortiGate-3980E, FortiGate-4200F, FortiGate-4201F, FortiGate-4400F, FortiGate-4401F, FortiGate-4800F, FortiGate-4801F, FortiGate-4801F-NEBS **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	7.6

Model	Firmware Version
FortiGate 7000 Series: FortiGate-7000E, FortiGate-7000F, FortiGate-7030E, FortiGate-7040E, FortiGate-7060E, FortiGate-7060E-8-DC, FortiGate-7081F, FortiGate-7081F-DC, FortiGate-7081F-2-DC, FortiGate-7121F, FortiGate-7121F-2, FortiGate-7121F-2-DC, FortiGate-7121F-DC **FortiGate DC:** FortiGate-400F-DC, FortiGate-401E-DC, FortiGate-401F-DC, FortiGate-800D-DC, FortiGate-900G-DC, FortiGate-901G-DC, FortiGate-1100E-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-3700D-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, FortiGate-4801F-DC-NEBS **FortiWiFi:** FWF-40F, FWF-40F-3G4G, FWF-50G, FWF-50G-5G, FWF-50G-DSL, FWF-50G-SFP, FWF-51G, FWF-60F, FWF-61F, FWF-70G, FWF-70G-POE, FWF-71G, FWF-80F-2R, FWF-81F-2R, FWF-80F-2R-3G4G-DSL, FWF-81F-2R-3G4G-DSL, FWF-81F-2R-3G4G-POE, FWF-81F-2R-POE **FortiGate VM:** FortiGate-ARM64-AWS, FortiGate-ARM64-Azure, FortiGate-ARM64-GCP, FortiGate-ARM64-KVM, FortiGate-ARM64-OCI, FortiGate-VM64, 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 Rugged:** FGR-50G-5G, FGR-60F, FGR-60F-3G4G, FGR-70F, FGR-70F-3G4G, FGR-70G, FGR-70G-5G-Dual	

Model	Firmware Version
FortiGate: FortiGate-40F, FortiGate-40F-3G4G, FortiGate-50G, FortiGate-50G-5G, FortiGate-50G-DSL, FortiGate-50G-SFP, FortiGate-50G-SFP-POE, FortiGate-51G, FortiGate-51G-5G, FortiGate-51G-SFP-POE, 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-DSL, FortiGate-80F-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-81F, FortiGate-81F-POE, FortiGate-90E, FortiGate-90G, FortiGate-91E, FortiGate-91G, FortiGate-100F, FortiGate-101F, FortiGate-120G, FortiGate-121G, FortiGate-140E, FortiGate-140E-POE, FortiGate-200E, FortiGate-200F, FortiGate-200G, FortiGate-201E, FortiGate-201F, FortiGate-201G, 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-3600E-DC, 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, FortiGate-4801F-NEBS **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-DC, FortiGate-7081F-2-DC, FortiGate-7121F, FortiGate-7121F-2, FortiGate-7121F-2-DC, FortiGate-7121F-DC **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-DC, FortiGate-3000F-ACDC, FortiGate-3001F-DC, FortiGate-3001F-ACDC, FortiGate-3100D-DC, FortiGate-3200D-DC, FortiGate-3400E-DC, FortiGate-3401E-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-4801F-DC-NEBS **FortiWiFi:** FWF-40F, FWF-40F-3G4G, FWF-50G, FWF-50G-5G, FWF-50G-DSL, FWF-50G-SFP, FWF-51G, FWF-60E, FWF-60E-DSL, FWF-60E-DSLJ, FWF-60F, FWF-61E, FWF-61F, FWF-80F-2R, FWF-81F-2R, FWF-80F-2R-3G4G-DSL, FWF-81F-2R-3G4G-DSL, FWF-81F-2R-3G4G-POE, FWF-81F-2R-POE	7.4

Model	Firmware Version
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 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-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-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-400E-Bypass, FortiGate-400F, 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, FortiGate-4801F-NEBS **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-DC, FortiGate-7081F-2-DC, FortiGate-7121F, FortiGate-7121F-2, FortiGate-7121F-2-DC, FortiGate-7121F-DC	7.2

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-DC, FortiGate-3000F-ACDC, FortiGate-3001F-DC, FortiGate-3001F-ACDC, 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, FortiGate-4801F-DC-NEBS **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 **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 **FortiOS-VM:** FOS-VM64, FOS-VM64-HV, FOS-VM64-KVM, FOS-VM64-Xen **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-400E-Bypass, FortiGate-400F, 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
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-DC, FortiGate-3000F-ACDC, FortiGate-3001F-DC, FortiGate-3001F-ACDC, 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 **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 **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 **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 7.6.4 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 34.

FortiOS 7.4

FortiGate Model	FortiOS Version
FortiGate-30G, FortiGate-31G	7.4.8
FortiGate-70G, FortiGate-70G-POE, FortiGate-70G-POE-5G FortiGate-71G, FortiGate-71G-POE, FortiGate-71G-POE-5G	7.4.8
FortiGateRugged-50G-5G	7.4.8
FortiGateRugged-60G, FortiGateRugged-60G-5G, FortiGateRugged-60G-5G-M12, FortiGateRugged-60G-M12	7.4.8
FortiGateRugged-70G, FortiGateRugged-70G-5G, FortiGateRugged-70G-5G-Dual	7.4.8
FortiWiFi-30G, FortiWiFi-31G	7.4.8
FortiWiFi-70G, FortiWiFi-70G-POE, FortiWiFi-71G	7.4.8

FortiOS 7.2

FortiGate Model	FortiOS Version
FortiGate-30G, FortiGate-31G	7.2.11
FortiGate-70G, FortiGate-71G	7.2.11
FortiGate-70G-POE, FortiGate-71G-POE	7.2.11
FortiGate-200G, FortiGate-201G	7.2.11
FortiGate-700G, FortiGate-701G	7.2.11
FortiWiFi-30G, FortiWiFi-31G	7.2.11
FortiWiFi-70G, FortiWiFi-70G-POE, FortiWiFi-71G	7.2.11

FortiOS 7.0

FortiGate Model	FortiOS Version
FortiGate-50G, FortiGate-50G-5G, FortiGate-50G-DSL, FortiGate-50G-SFP, FortiGate-50G-SFP-POE	7.0.17
FortiGate-51G, FortiGate-51G-5G, FortiGate-51G-SFP-POE	7.0.17
FortiGate-80F-DSL	7.0.17
FortiGate-90G, FortiGate-91G	7.0.17
FortiGate-120G, FortiGate-121G	7.0.16
FortiGate-900G, FortiGate-900G-DC FortiGate-901G, FortiGate-901G-DC	7.0.17
FortiGate-1000F, FortiGate-1001F	7.0.17
FortiGate-3200F, FortiGate-3201F	7.0.17
FortiGate-3700F, FortiGate-3701F	7.0.17
FortiGate-4800F, FortiGate-4800F-DC FortiGate-4801F, FortiGate-4801F-DC, FortiGate-4801F-NEBS, FortiGate-4801F-DC-NEBS	7.0.17
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
FortiGate-7000E, FortiGate-7030E, FortiGate-7040E, FortiGate-7060E, FortiGate-7060E-8-DC	7.0.16
FortiGate-7000F, FortiGate-7081F, FortiGate-7081F-DC, FortiGate-7081F-2-DC, FortiGate-7121F, FortiGate-7121F-2, FortiGate-7121F-2-DC, FortiGate-7121F-DC	7.0.16

FortiGate Model	FortiOS Version
FortiGateRugged-50G-5G	7.0.17
FortiGateRugged-70F, FortiGateRugged-70F-3G4G	7.0.17
FortiGateRugged-70G	7.0.15
FortiGateRugged-70G-5G-Dual	7.0.16
FortiWiFi-50G, FortiWiFi-50G-5G, FortiWiFi-50G-DSL, FortiWiFi-50G-SFP	7.0.17
FortiWiFi-51G	7.0.17
FortiWiFi-51G-5G	7.0.15
FortiWiFi-80F-2R-3G4G-DSL, FortiWiFi-81F-2R-3G4G-DSL	7.0.17

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 43.

Model	Firmware Version
FortiCarrier: 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-3960E, FortiCarrier-3980E, FortiCarrier-4200F, FortiCarrier-4201F, FortiCarrier-4400F, FortiCarrier-4401F, FortiCarrier-4800F, FortiCarrier-4801F, FortiCarrier-4801F-NEBS **FortiCarrier 5000 Series**: FortiCarrier-5001E, FortiCarrier-5001E1 **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 **FortiCarrier 7000 Series**: FortiCarrier-7000E, FortiCarrier-7000F, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7060E-8-DC, FortiCarrier-7081F, FortiCarrier-7081F-DC, FortiCarrier-7081F-2-DC, FortiCarrier-7121F, FortiCarrier-7121F-2, FortiCarrier-7121F-2-DC, FortiCarrier-7121F-DC **FortiCarrier-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-3960E-DC, FortiCarrier-3980E-DC, FortiCarrier-4200F-DC, FortiCarrier-4201F-DC, FortiCarrier-4400F-DC, FortiCarrier-4401F-DC, FortiCarrier-4800F-DC, FortiCarrier-4801F-DC, FortiCarrier-4801F-DC-NEBS	7.6

Model	Firmware Version
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-GCP, FortiCarrier-VM64-HV, FortiCarrier-VM64-IBM, FortiCarrier-VM64-KVM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen	
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-4801F-NEBS **FortiCarrier 5000 Series**: FortiCarrier-5001E, FortiCarrier-5001E1 **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 **FortiCarrier 7000 Series**: FortiCarrier-7000E, FortiCarrier-7000F, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7060E-8-DC, FortiCarrier-7081F, FortiCarrier-7081F-DC, FortiCarrier-7081F-2-DC, FortiCarrier-7121F, FortiCarrier-7121F-2, FortiCarrier-7121F-2-DC, FortiCarrier-7121F-DC **FortiCarrier-DC**: FortiCarrier-2600F-DC, FortiCarrier-2601F-DC, FortiCarrier-3000D-DC, FortiCarrier-3000F-DC, FortiCarrier-3000F-ACDC, FortiCarrier-3001F-DC, FortiCarrier-3001F-ACDC, 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, FortiCarrier-4801F-DC-NEBS **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-KVM, FortiCarrier-VM64-IBM, FortiCarrier-VM64-OPC, FortiCarrier-VM64-Xen	7.4
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-4801F-NEBS **FortiCarrier 5000 Series**: FortiCarrier-5001E, FortiCarrier-5001E1	7.2

Model	Firmware Version
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 **FortiCarrier 7000 Series**: FortiCarrier-7000E, FortiCarrier-7000F, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7060E-8-DC, FortiCarrier-7081F, FortiCarrier-7081F-DC, FortiCarrier-7081F-2-DC, FortiCarrier-7121F, FortiCarrier-7121F-2, FortiCarrier-7121F-2-DC, FortiCarrier-7121F-DC **FortiCarrier-DC**: FortiCarrier-2600F-DC, FortiCarrier-2601F-DC, FortiCarrier-3000D-DC, FortiCarrier-3000F-DC, FortiCarrier-3000F-ACDC, FortiCarrier-3001F-DC, FortiCarrier-3001F-ACDC, 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, FortiCarrier-4801F-DC-NEBS **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	

FortiCarrier special branch models

The following FortiCarrier models are released on special branches of FortiOS Carrier. FortiManager version 7.6.4 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 41.

FortiCarrier 7.0

FortiCarrier Model	FortiCarrier Version
FortiCarrier-3200F, FortiCarrier-3201F	7.0.17
FortiCarrier-3700F, FortiCarrier-3701F	7.0.17
FortiCarrier-4800F, FortiCarrier-4800F-DC FortiCarrier-4801F, FortiCarrier-4801F-DC, FortiCarrier-4801F-NEBS, FortiCarrier-4801F-DC-NEBS	7.0.17
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

FortiCarrier Model	FortiCarrier Version
FortiCarrier-7000E, FortiCarrier-7030E, FortiCarrier-7040E, FortiCarrier-7060E, FortiCarrier-7060E-8-DC	7.0.16
FortiCarrier-7000F, FortiCarrier-7081F, FortiCarrier-7081F-DC, FortiCarrier-7081F-2-DC, FortiCarrier-7121F, FortiCarrier-7121F-2, FortiCarrier-7121F-2-DC, FortiCarrier-7121F-DC	7.0.16

FortiADC models

Model	Firmware Version
FortiADC: FortiADC-100F, FortiADC-120F, FortiADC-200F, FortiADC-220F, FortiADC-300D, FortiADC-300F, FortiADC-320F, FortiADC-400F, FortiADC-420F, FortiADC-1000F, FortiADC-1200F, FortiADC-2000F, FortiADC-2200F, FortiADC-4000F, FortiADC-4200F, FortiADC-5000F **FortiADC VM**: FortiADC-ALI, FortiADC-ALI_ONDEMAND, FortiADC-AZURE, FortiADC-AZURE_ONDEMAND, FortiADC-GCP, FortiADC-GCP_ONDEMAND, FortiADC-HYV, FortiADC-IBM, FortiADC-KVM, FortiADC-OCI, FortiADC-XENAWS, FortiADC-XENAWS_ONDEMAND, FortiADC-XENOPEN, FortiADC-XENSERVER, FortiADC-VM	7.6
FortiADC: FortiADC-100F, FortiADC-120F, FortiADC-200D, FortiADC-200F, FortiADC-220F, FortiADC-300D, FortiADC-300F, FortiADC-320F, FortiADC-400D, FortiADC-400F, FortiADC-420F, FortiADC-700D, FortiADC-1000F, FortiADC-1200F, FortiADC-1500D, FortiADC-2000D, FortiADC-2000F, FortiADC-2200F, FortiADC-4000D, FortiADC-4000F, FortiADC-4200F, FortiADC-5000F **FortiADC VM**: FortiADC-ALI, FortiADC-ALI_ONDEMAND, FortiADC-AZURE, FortiADC-AZURE_ONDEMAND, FortiADC-GCP, FortiADC-GCP_ONDEMAND, FortiADC-HYV, FortiADC-IBM, FortiADC-KVM, FortiADC-OCI, FortiADC-XENAWS, FortiADC-XENAWS_ONDEMAND, FortiADC-XENOPEN, FortiADC-XENSERVER, FortiADC-VM	7.4
FortiADC: FortiADC-100F, FortiADC-120F, FortiADC-200D, FortiADC-200F, FortiADC-220F, FortiADC-300D, FortiADC-300F, FortiADC-400D, FortiADC-400F, FortiADC-700D, FortiADC-1000F, FortiADC-1200F, FortiADC-1500D, FortiADC-2000D, FortiADC-2000F, FortiADC-2200F, FortiADC-4000D, FortiADC-4000F, FortiADC-4200F, FortiADC-5000F **FortiADC VM**: FortiADC-ALI, FortiADC-ALI_ONDEMAND, FortiADC-AZURE, FortiADC-AZURE_ONDEMAND, FortiADC-GCP, FortiADC-GCP_ONDEMAND, FortiADC-HYV, FortiADC-IBM, FortiADC-KVM, FortiADC-OCI, FortiADC-XENAWS, FortiADC-XENAWS_ONDEMAND, FortiADC-XENOPEN, FortiADC-XENSERVER, FortiADC-VM	6.2, 7.0, 7.1, 7.2

FortiAnalyzer models

Model	Firmware Version
FortiAnalyzer: FortiAnalyzer-150G, FortiAnalyzer-300G, FortiAnalyzer-800G, FortiAnalyzer-810G, FortiAnalyzer-1000F, FortiAnalyzer-1000G, FortiAnalyzer-2000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3100G, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3510G, FortiAnalyzer-3700F, FortiAnalyzer-3700G, FortiAnalyzer-3900E, FortiAnalyzer-K8S-CLOUD **FortiAnalyzer VM**: FortiAnalyzer-VM64, FortiAnalyzer-VM64-ALI, FortiAnalyzer-VM64-AWS, FortiAnalyzer-VM64-AWS-OnDemand, FortiAnalyzer-VM64-Azure, FortiAnalyzer-VM64-GCP, FortiAnalyzer-VM64-HV, FortiAnalyzer-VM64-IBM, FortiAnalyzer-VM64-KVM, FortiAnalyzer-VM64-KVM-CLOUD, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-VIO-CLOUD, FortiAnalyzer-VM64-Xen	7.6
FortiAnalyzer: FortiAnalyzer-150G, FortiAnalyzer-300F, FortiAnalyzer-300G, FortiAnalyzer-400E, FortiAnalyzer-800F, FortiAnalyzer-800G, FortiAnalyzer-810G, FortiAnalyzer-1000F, FortiAnalyzer-1000G, FortiAnalyzer-2000E, FortiAnalyzer-3000F, FortiAnalyzer-3000G, FortiAnalyzer-3100G, FortiAnalyzer-3500F, FortiAnalyzer-3500G, FortiAnalyzer-3510G, FortiAnalyzer-3700F, FortiAnalyzer-3700G, FortiAnalyzer-3900E, FortiAnalyzer-K8S-CLOUD **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-KVM-CLOUD, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-VIO-CLOUD, FortiAnalyzer-VM64-Xen	7.4
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, FortiAnalyzer-K8S-CLOUD **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-KVM-CLOUD, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-VIO-CLOUD, 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-3700F, FortiAnalyzer-3700G, FortiAnalyzer-3900E, FortiAnalyzer-K8S-CLOUD	7.0

Model	Firmware Version
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-KVM-CLOUD, FortiAnalyzer-VM64-OPC, FortiAnalyzer-VM64-VIO-CLOUD, FortiAnalyzer-VM64-Xen	

FortiAnalyzer-BigData models

Model	Firmware Version
FortiAnalyzer-BigData: FortiAnalyzer-BigData-4500F **FortiAnalyzer-BigData VM**: FortiAnalyzer-BigData-VM64	7.2
FortiAnalyzer-BigData: FortiAnalyzer-BigData-4500F **FortiAnalyzer-BigData VM**: FortiAnalyzer-BigData-VM64	7.0

FortiAuthenticator models

Model	Firmware Version
FortiAuthenticator: FAC-200E, FAC-300F, FAC-400E, FAC-800F, FAC-2000E, FAC-3000E, FAC-3000F **FortiAuthenticator VM:** FAC-VM	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, FAC-3000F **FortiAuthenticator VM:** FAC-VM	6.4
FortiAuthenticator: FAC-200D, FAC-200E, FAC-300F, FAC-400C, FAC-400E, FAC-800F, FAC-1000C, FAC-1000D, FAC-2000E, FAC-3000D, FAC-3000E **FortiAuthenticator VM:** FAC-VM	6.0, 6.1, 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 **FortiCache VM:** FCH-KVM, FCH-VM64	4.1, 4.2

Model	Firmware Version
FortiCache: FCH-400C, FCH-400E, FCH-1000C, FCH-1000D, FCH-3000C, FCH-3000D, FCH-3900E **FortiCache VM:** FCH-VM64	4.0

FortiDDoS models

Model	Firmware Version
FortiDDoS: FortiDDoS-200F, FortiDDoS-1500F, FortiDDoS-1500G, FortiDDoS-1500G-LR, FortiDDoS-2000F, FortiDDoS-2000G, FortiDDoS-3000F, FortiDDoS-3000G **FortiDDoS VM**: FortiDDoS-VM	7.0
FortiDDoS: FortiDDoS-200F, FortiDDoS-1500F, FortiDDoS-2000F, FortiDDoS-3000F **FortiDDoS VM**: FortiDDoS-VM	6.4, 6.5, 6.6
FortiDDoS: FortiDDoS-200F, FortiDDoS-1500F, FortiDDoS-2000F **FortiDDoS VM**: FortiDDoS-VM	6.3
FortiDDoS: FortiDDoS-200F, FortiDDoS-1500F **FortiDDoS VM**: FortiDDoS-VM	6.2
FortiDDoS: FortiDDoS-200B, FortiDDoS-400B, FortiDDoS-600B, FortiDDoS-800B, FortiDDoS-900B, FortiDDoS-1000B, FortiDDoS-1200B, FortiDDoS-1500E, FortiDDoS-2000B, FortiDDoS-2000E	5.6, 5.7

FortiDeceptor models

Model	Firmware Version
FortiDeceptor: FDC-100G, FDC-1000F, FDC-1000G **FortiDeceptor Rugged**: FDCR-100G **FortiDeceptor VM**: FDC-VM	5.0, 5.1, 5.2, 5.3, 6.0, 6.1
FortiDeceptor: FDC-1000F, FDC-1000G **FortiDeceptor Rugged**: FDCR-100G **FortiDeceptor VM**: FDC-VM	4.3

FortiFirewall models

Some of the following FortiFirewall models are released on special branches of FortiFirewall firmware. FortiManager version 7.6.4 supports these models on the identified FortiFirewall firmware version and build number.

Model	Firmware Version
FortiFirewall: FortiFirewall-1801F, FortiFirewall-2600F, FortiFirewall-3001F, FortiFirewall-3501F, FortiFirewall-3980E, FortiFirewall-4200F, FortiFirewall-4400F, FortiFirewall-4401F, FortiFirewall-4801F, FortiFirewall-4801F-NEBS **FortiFirewall DC**: FortiFirewall-3001F-DC, FortiFirewall-3980E-DC, FortiFirewall-4200F-DC, FortiFirewall-4400F-DC, FortiFirewall-4401F-DC, FortiFirewall-4801F-DC-NEBS **FortiFirewall-VM**: FortiFirewall-VM64, FortiFirewall-VM64-KVM	7.6
FortiFirewall: FortiFirewall-1801F, FortiFirewall-2600F, FortiFirewall-3001F, FortiFirewall-3501F, FortiFirewall-3980E, FortiFirewall-4200F, FortiFirewall-4400F, FortiFirewall-4401F, FortiFirewall-4801F, FortiFirewall-4801F-NEBS **FortiFirewall DC**: FortiFirewall-3001F-DC, FortiFirewall-3980E-DC, FortiFirewall-4200F-DC, FortiFirewall-4400F-DC, FortiFirewall-4401F-DC, FortiFirewall-4801F-DC-NEBS **FortiFirewall-VM**: FortiFirewall-VM64, FortiFirewall-VM64-KVM	7.4
FortiFirewall: FortiFirewall-3980E, FortiFirewall-4200F, FortiFirewall-4400F, FortiFirewall-4401F, FortiFirewall-4801F, FortiFirewall-4801F-NEBS **FortiFirewall DC**: FortiFirewall-4200F-DC, FortiFirewall-4401F-DC, FortiFirewall-4801F-DC-NEBS **FortiFirewall-VM**: FortiFirewall-VM64, FortiFirewall-VM64-KVM	7.2
FortiFirewall: FortiFirewall-3980E **FortiFirewall DC**: FortiFirewall-3980E-DC **FortiFirewall-VM**: FortiFirewall-VM64, FortiFirewall-VM64-KVM	7.0

FortiFirewall special branch models

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

FortiFirewallCarrier models

Some of the following FortiFirewallCarrier models are released on special branches of FortiFirewallCarrier firmware. FortiManager version 7.6.4 supports these models on the identified FortiFirewallCarrier firmware version and build number.

Model	Firmware Version
FortiFirewallCarrier: FortiFirewallCarrier-3001F, FortiFirewallCarrier-3501F, FortiFirewallCarrier-3980E, FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F, FortiFirewallCarrier-4401F, FortiFirewallCarrier-4801F, FortiFirewallCarrier-4801F-NEBS **FortiFirewallCarrier DC**: FortiFirewallCarrier-4200F-DC, FortiFirewallCarrier-4401F-DC, FortiFirewallCarrier-4801F-DC-NEBS **FortiFirewallCarrier-VM**: FortiFirewallCarrier-VM64, FortiFirewallCarrier-VM64-KVM	7.6
FortiFirewallCarrier: FortiFirewallCarrier-1801F, FortiFirewallCarrier-2600F, FortiFirewallCarrier-3001F, FortiFirewallCarrier-3501F, FortiFirewallCarrier-3980E, FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F, FortiFirewallCarrier-4401F, FortiFirewallCarrier-4801F, FortiFirewallCarrier-4801F-NEBS **FortiFirewallCarrier DC**: FortiFirewallCarrier-1801F-DC, FortiFirewallCarrier-4200F-DC, FortiFirewallCarrier-4401F-DC, FortiFirewallCarrier-4801F-DC-NEBS **FortiFirewallCarrier-VM**: FortiFirewallCarrier-VM64, FortiFirewallCarrier-VM64-KVM	7.4
FortiFirewallCarrier: FortiFirewallCarrier-2600F, FortiFirewallCarrier-3980E, FortiFirewallCarrier-4200F, FortiFirewallCarrier-4400F, FortiFirewallCarrier-4801F, FortiFirewallCarrier-4801F-NEBS **FortiFirewallCarrier DC**: FortiFirewallCarrier-4200F-DC, FortiFirewallCarrier-4801F-DC-NEBS **FortiFirewallCarrier-VM**: FortiFirewallCarrier-VM64, FortiFirewallCarrier-VM64-KVM	7.2
FortiFirewallCarrier-VM: FortiFirewallCarrier-VM64, FortiFirewallCarrier-VM64-KVM	7.0

FortiFirewall special branch models

Model	Firmware Version	Firmware Build
FortiFirewallCarrier: FortiFirewallCarrier-1801F, FortiFirewallCarrier-4401F	7.2.6	4609
FortiFirewallCarrier: FortiFirewallCarrier-3001F	7.0.10	4955
FortiFirewallCarrier: FortiFirewallCarrier-3501F	7.0.10	4940

FortiMail models

Model	Firmware Version
FortiMail: FE-60D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-900G, FE-2000E, FE-2000F, FE-3000D, FE-3000E, FE-3000F, FE-3200E	7.6

Model	Firmware Version
FortiMail VM: FML-VM, FML-VM-ALI, FML-VM-AWS, FML-VM-Azure, FML-VM-DK, FML-VM-GCP, FML-VM-HV, FML-VM-KVM, FML-VM-OCP, FML-VM-XEN, FortiMail Cloud	
FortiMail: FE-60D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-2000E, FE-2000F, FE-3000D, FE-3000E, FE-3000F, FE-3200E **FortiMail VM:** FML-VM, FML-VM-ALI, FML-VM-AWS, FML-VM-Azure, FML-VM-DK, FML-VM-GCP, FML-VM-HV, FML-VM-KVM, FML-VM-OCP, FML-VM-XEN	7.4
FortiMail: FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-2000E, FE-2000F, FE-3000D, FE-3000E, FE-3000F, FE-3200E **FortiMail VM:** FML-VM, FML-VM-ALI, FML-VM-AWS, FML-VM-Azure, FML-VM-DK, FML-VM-GCP, FML-VM-HV, FML-VM-KVM, FML-VM-OCP, FML-VM-XEN	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 **FortiMail VM:** FML-VM, FML-VM-ALI, FML-VM-AWS, FML-VM-Azure, FML-VM-DK, FML-VM-GCP, FML-VM-HV, FML-VM-KVM, FML-VM-OCP, FML-VM-XEN	7.0
FortiMail: FE-60D, FE-200D, FE-200E, FE-200F, FE-400E, FE-400F, FE-900F, FE-1000D, FE-2000E, FE-3000D, FE-3000E, FE-3200E **FortiMail VM:** FML-VM, FML-VM-ALI, FML-VM-AWS, FML-VM-Azure, FML-VM-DK, FML-VM-GCP, FML-VM-HV, FML-VM-KVM, FML-VM-OCP, FML-VM-XEN, **FortiMail Cloud**	6.2, 6.4

FortiPAM models

Model	Firmware Version
FortiPAM: FortiPAM-1000G, FortiPAM-3000G **FortiPAM VM:** FortiPAM-AWS, FortiPAM-Azure, FortiPAM-GCP, FortiPAM-HyperV, FortiPAM-KVM, FortiPAM-VM64	1.0, 1.1, 1.2, 1.3, 1.4

FortiProxy models

Model	Firmware Version
FortiProxy: FPX-400E, FPX-400G, FPX-2000E, FPX-2000G, FPX-4000E, FPX-4000G **FortiProxy VM:** FortiProxy-AliCloud, FortiProxy-AWS, FortiProxy-Azure, FortiProxy-GCP, FortiProxy-HyperV, FortiProxy-KVM, FortiProxy-OPC, FortiProxy-VM64	7.6
FortiProxy: FPX-400E, FPX-400G, FPX-2000E, FPX-2000G, FPX-4000E, FPX-4000G **FortiProxy VM:** FortiProxy-AliCloud, FortiProxy-AWS, FortiProxy-Azure, FortiProxy-GCP, FortiProxy-HyperV, FortiProxy-KVM, FortiProxy-OPC, FortiProxy-VM64	7.4

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

FortiSandbox models

Model	Firmware Version
FortiSandbox: FSA-500F, FSA-500G, FSA-1000F, FSA-1500G, FSA-2000E, FSA-3000E, FSA-3000F **FortiSandbox DC:** FSA-1000F-DC **FortiSandbox-VM:** FSA-AliCloud, FSA-AliCloud-Nested, FSA-AWS, FSA-AWS-Nested, FSA-Azure, FSA-Azure-Nested, FSA-Cloud, FSA-GCP, FSA-GCP-Nested, FSA-HYPERV, FSA-KVM, FSA-OCI-Nested, FSA-VM	5.0
FortiSandbox: FSA-500F, FSA-500G, FSA-1000D, FSA-1000F, FSA-1500G, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D **FortiSandbox DC:** FSA-1000F-DC **FortiSandbox-VM:** FSA-AWS, FSA-Cloud, FSA-VM	4.2, 4.4
FortiSandbox: FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3000F, FSA-3500D **FortiSandbox DC:** FSA-1000F-DC **FortiSandbox-VM:** FSA-AWS, FSA-Cloud, FSA-VM	4.0
FortiSandbox: FSA-500F, FSA-1000D, FSA-1000F, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3500D **FortiSandbox DC:** FSA-1000F-DC **FortiSandbox-VM:** FSA-AWS, FSA-VM	3.2

FortiSOAR models

Model	Firmware Version
FortiSOAR VM: FortiSOAR-VM	7.2, 7.3, 7.4, 7.5, 7.6

FortiSRA models

Model	Firmware Version
FortiSRA: FortiSRA-1000G, FortiSRA-3000G **FortiSRA-VM**: FortiSRA-Azure, FortiSRA-HyperV, FortiSRA-KVM, FortiSRA-VM64	1.0, 1.1

FortiTester models

Model	Firmware Version
FortiTester: FortiTester-100F, FortiTester-2000D, FortiTester-2000E, FortiTester-2000F, FortiTester-2500E, FortiTester-3000E, FortiTester-3000F, FortiTester-4000E, FortiTester-4000F **FortiTester VM:** FortiTester-VM, FortiTester-VM-ALI-BYOL, FortiTester-VM-ALI-PAYG, FortiTester-VM-AWS-BYOL, FortiTester-VM-AWS-PAYG, FortiTester-VM-AZURE-BYOL, FortiTester-VM-AZURE-PAYG, FortiTester-VM-GCP-BYOL, FortiTester-VM-GCP-PAYG, FortiTester-VM-IBM-BYOL, FortiTester-VM-IBM-PAYG, FortiTester-VM-KVM, FortiTester-VM-OCI-BYOL, FortiTester-VM-OCI-PAYG	7.1, 7.2, 7.3, 7.4

FortiWeb models

Model	Firmware Version
FortiWeb: FortiWeb-100D, FortiWeb-100E, FortiWeb-100F, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-400F, FortiWeb-600D, FortiWeb-600E, FortiWeb-600F, 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 **FortiWeb VM:** FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer **FortiWeb Cloud**, including FortiAppSec Cloud.	7.6
FortiWeb: FortiWeb-100D, FortiWeb-100E, FortiWeb-100F, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-400F, FortiWeb-600D, FortiWeb-600E, FortiWeb-600F, 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 **FortiWeb VM:** FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer	7.4

Model	Firmware Version
FortiWeb Cloud, including FortiAppSec Cloud.	
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 **FortiWeb VM:** FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer **FortiWeb Cloud**, including FortiAppSec Cloud.	7.2
FortiWeb: FortiWeb-100D, FortiWeb-100E, FortiWeb-400C, FortiWeb-400D, FortiWeb-400E, FortiWeb-600D, FortiWeb-600E, FortiWeb-1000D, FortiWeb-1000E, FortiWeb-2000E, FortiWeb-2000F, FortiWeb-3000C, FortiWeb-3000CFSX, FortiWeb-3000D, FortiWeb-3000DFSX, FortiWeb-3000E, FortiWeb-3000F, FortiWeb-3010E, FortiWeb-4000C, FortiWeb-4000D, FortiWeb-4000E, FortiWeb-4000F **FortiWeb VM:** FortiWeb-Azure, FortiWeb-Azure_OnDemand, FortiWeb-GCP, FortiWeb-GCP_OnDemand, FortiWeb-HyperV, FortiWeb-VM, FortiWeb-XENOpenSource, FortiWeb-XENServer **FortiWeb Cloud**, including FortiAppSec Cloud.	7.0

FortiExtender MODEM firmware compatibility

See the FortiOS Release Notes for a list of MODEM firmware filename and version for each FortiExtender model and where in the world the MODEMs are compatible.

Compatibility with FortiOS Versions

This section highlights compatibility issues that administrators should be aware of in FortiManager 7.6.4. 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 7.6.4. 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 7.6.4 and FortiOS 7.0.18 compatibility issues

This section identifies interoperability issues that have been identified with FortiManager 7.6.4 and FortiOS 7.0.18. FortiOS 7.0.18 includes syntax changes not supported by FortiManager 7.6.4

The following commands were added in FOS 7.0.18, and they cannot be configured from FortiManager 7.6.4.

```
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
```

FortiManager 7.6.4 and FortiOS 7.2.12 compatibility issues

This section identifies interoperability issues that have been identified with FortiManager 7.6.4 and FortiOS 7.2.12.

The following objects were added in FortiOS 7.2.12. These objects can only be configured on the FortiOS device, and they cannot be configured from FortiManager 7.6.4.

- `(attr) vpn ipsec phase1 cert-trust-store`
- `(attr) vpn ipsec phase1 dev-id`
- `(attr) vpn ipsec phase1 dev-id-notification`
- `(attr) vpn ipsec phase1 ems-sn-check`

- (attr) vpn ipsec phase1 exchange-fgt-device-id
- (attr) vpn ipsec phase1 link-cost
- (attr) vpn ipsec phase1 loopback-asymroute
- (attr) vpn ipsec phase1 network-id
- (attr) vpn ipsec phase1 network-overlay
- (attr) vpn ipsec phase1 remote-gw6-country
- (attr) vpn ipsec phase1 remote-gw6-end-ip
- (attr) vpn ipsec phase1 remote-gw6-match
- (attr) vpn ipsec phase1 remote-gw6-start-ip
- (attr) vpn ipsec phase1 remote-gw6-subnet
- (attr) vpn ipsec phase1 remote-gw-country
- (attr) vpn ipsec phase1 remote-gw-end-ip
- (attr) vpn ipsec phase1 remote-gw-match
- (attr) vpn ipsec phase1 remote-gw-start-ip
- (attr) vpn ipsec phase1 remote-gw-subnet

Other changes in FortiOS 7.2.12.

```
    vpn ipsec phase1 fec-mapping-profile
        tag: None -> ds
```

FortiManager 7.6.4 and FortiOS 7.4.9 compatibility issues

This section identifies interoperability issues that have been identified with FortiManager 7.6.4 and FortiOS 7.4.9.

The following objects were added in FortiOS 7.4.9 These objects can only be configured on the FortiOS device, and they cannot be configured from FortiManager 7.6.4.

- (attr) firewall access-proxy api-gateway realservers verify-cert
- (attr) firewall access-proxy api-gateway6 realservers verify-cert
- (attr) firewall access-proxy6 api-gateway realservers verify-cert
- (attr) firewall access-proxy6 api-gateway6 realservers verify-cert
- (node) firewall proxy-policy poolname6
- (attr) firewall vip realservers verify-cert
- (attr) log setting rest-api-performance
- (attr) system admin gui-dashboard widget modem
- (attr) system admin gui-dashboard widget temperature-unit
- (attr) system global geoip-full-db
- (attr) system global user-device-store-max-device-mem
- (attr) system settings intree-ses-best-route
- (attr) system sso-admin gui-dashboard widget modem

- (attr) system sso-admin gui-dashboard widget temperature-unit
- (attr) system sso-forticloud-admin gui-dashboard widget modem
- (attr) system sso-forticloud-admin gui-dashboard widget temperature-unit
- (attr) system sso-fortigate-cloud-admin gui-dashboard widget modem
- (attr) system sso-fortigate-cloud-admin gui-dashboard widget temperature-unit

Additional option changes in FortiOS 7.4.9. You must confirm these option changes do not conflict with options that you have set from FortiManager. For example, from FortiManager 7.6.4, you cannot use options that have been removed and you cannot set options that have been added.

```
system admin gui-dashboard widget type
    ++ 2 opts: modem-signal-info sensor-info
system interface speed
    ++ 1 opts: 100auto
system sso-admin gui-dashboard widget type
    ++ 2 opts: modem-signal-info sensor-info
system sso-forticloud-admin gui-dashboard widget type
    ++ 2 opts: modem-signal-info sensor-info
system sso-fortigate-cloud-admin gui-dashboard widget type
    ++ 2 opts: modem-signal-info sensor-info
```

Other changes in FortiOS 7.4.9. If a table size or integer range has changed in FortiOS 7.4.9, you are still restricted to the old table size or integer range in FortiManager.

```
system ntp key
    tag|sz: 59 -> 64
system ntp ntpserver key
    tag|sz: 59 -> 64
```

Resolved Issues

The following issues have been fixed in 7.6.4. To inquire about a particular bug, please contact Customer Service & Support.

AP Manager

Bug ID	Description
1131117	Not able to activate Factory Default profiles; GUI returns error, "The selected platform is no longer supported."
1148572	SSID per-device-mapping cannot save the DHCP server settings.
1150508	Unable to set the Override Radio feature for managed APs under the *AP Manager*.

Device Manager

Bug ID	Description
1094451	If the *Timezone* field in the *System Template* is left blank, FortiManager may apply its default timezone and overwrite the existing timezone on the FortiGates.
1119223	FortiManager erroneously tries to "unset annex" on DSL interface on the FortiGate "FGT-50G-DLS".
1129574	Unable to restrict Firmware upgrade via Admin Profile.
1148864	During provisioning, if multiple scripts attempt to modify the aggregate interface, the database installation fails with the following error: `[attribute "vdom" check error - runtime error -2: Virtual domain must be same as virtual domain () for all aggregate/redundant interfaces]` This issue occurs only with aggregate interfaces.
1149973	In the HA Status section of the managed FortiGate, the Uptime and State Changed fields are not populated.
1152564	Unable to edit route-map due to the following error "rule/2/set-priority is out of range (property: set-priority)"
1153376	If devices are added to FortiManager after SD-WAN is enabled, then *Traffic Shaping/SD-WAN* may display No Data or No Records Found.

Bug ID	Description
	If the user enables SD-WAN after the device is already managed by FortiManager, there should be no issue.
1166830	FortiGates may be unexpectedly renamed during policy package installation when deploying to multiple devices (more than 5).
1167436	FortiManager displays "retrievehaconffail" error when performing retrieve config for FortiGate's HA cluster.

FortiSwitch Manager

Bug ID	Description
1097467	There is a mismatch in the per-VDOM limit between the Managed FortiSwitch on the FortiManager and the actual FortiGate, causing a copy failure error when installing the configuration. So far, this issue has been observed on the FGT-90G.
1153287	The maximum number of managed FortiSwitches on FortiManager does not match with the maximum number of managed FortiSwitches by FortiGate, resulting in a copy failure error during installation to FortiGates.
1161320	FortiManager shows an incomplete FortiSwitch topology compared with FortiGate.

Global ADOM

Bug ID	Description
1141123	Installing the Global Header Policy fails with the error: "invalid value", this issue has been observed after upgrading FortiManager to v7.2.10.

Others

Bug ID	Description
1065593	Not able to upgrade ADOM.
1066240	The FortiSASE Connector is supported only on FortiManager VM platforms and is not supported on FortiManager hardware models.
1071646	Formatted Event logs do not display the correct timestamp.

Bug ID	Description
1103008	Not able to edit DNS Filter profile in FortiProxy ADOM.
1113799	Unable to upgarde the FortiAP or FortiSwitch form FortiManager.
1125382	When EMS is added as a Fabric Connector to these FortiGates from FortiManager, all devices appear under FortiManager-managed devices, but only the primary FortiGates serial number is displayed.
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.
1145473	Upgrading ADOM fails with FortiExtender object errors "Fail (errno=0):invalid value" and "fail: err=-999,The string contains XSS vulnerability characters"
1147636	Universal connector card on *Fabric View* page is missing under *Fabric View* > *Endpoint/Identity connectors*.
1157981	In the FortiProxy ADOM type, navigating to *Device Manager* always redirects to the Feature Visibility page, preventing access to FortiProxy configuration settings. This issue has been observed when the ADOM mode is set to Advanced Mode.
1158842	The FortiManager dashboard FortiGuard license status does not display the same data as shown on the FortiGuard page.
1160086	Unable to upgrade ADOM from v7.2 to v7.4 due to HTTP3(QUIC) error in deep-inspection profile.
1161082	FortiManager HA cluster status mismatch between GUI and CLI during force-resync.
1162845	It is not possible to delete the FortiExtender after performing a Quick Install on the model FortiGate. The FortiExtender can be deleted from D*evice Manager* > *Managed FortiGate* > *CLI Configuration*; however, it will still appear in *FortiExtender Manager*.
1163922	The *FortiView* tile is missing after adding FortiAnalyzer as a managed device to FortiManager.
1168422	FortiManager does not properly support the "FortiGate-50G-SFP-POE" platform.
1169450	When Backup ADOM is enabled and auto-sync is configured, FortiManager is not able to automatically retrieve the changes from FortiGate devices. Devices should remain in sync without the need for manual retrieval.
1170281	Not able to create a new VDOM or remove any interfaces from VDOMs when Workspace mode is enabled.
1177051	"retrievehaconffail" error has been observed when performing retrieve config on the FortiManager GUI.
1188452	Downstream FortiManagers in cascade mode does not download the Webfilter database from the Upstream FortiManager.

Policy and Objects

Bug ID	Description
971065	When the number of Custom Internet Services exceeds 256, installation fails due to this limitation.
1011220	FortiManager constantly changes the UUID of some objects.
1054707	FortiManager try to install "`unset qos-policy`" and installation fails.
1078598	Unable to import policy due to issues related to the protocol-options feature.
1083504	FortiManager attempts to configure the service in the ISDB6 policy (IPv6), but FortiOS rejects it, causing the installation to fail.
1087777	During policy installation, FortiManager tries to delete firewall address object for the SSID interface UUID causing PP Modifying
1089894	The Policy Package import may hang indefinitely on a specific FortiGate VDOM due to recursive object references.
1092581	FortiManager cannot modify `rat-timeout-profile` in Policy Packages.
1096879	When checking the policy package diff, FortiManager shows that the "`system replacemsg spam`" entry will be deleted; however, this change is not reflected in the install log.
1131041	Not able to create a ZTNA server due to the certificate error.
1134276	Installation of "`config system ddns`" configuration fails.
1142983	In FortiManager, creating a threat feed connector and applying it to multiple VDOMs results in the same UUID being assigned across all instances. This behavior may lead to duplicate UUID issues.
1152640	When no port setting (empty value) has been set for HTTPS on SSL/SSH Inspection Profile, the installation preview shows error "https ... Must set at least one port (default port:443) or enable ssl inspect-all".
1154383	Unable to move policy packages & move/delete folders. Error "cannot get pkg path" is displayed.
1157272	When creating a new entry under the Logical Relationship for a DLP dictionary, the Pattern field must be completed only for the applicable entry types; it should remain blank for those that do not require it.
1162327 1113980	Install preview may get stuck if another user is simultaneously pushing an install on a different FortiGate within FortiManager.
1167035	Installation to FortiGates with multiple VDOMs might fail with the following error message: "max entry. object: firewall internet-service-custom. detail: global limit. solution: limit is 512"

Bug ID	Description
1168866	In FortiManager under *Policy & Objects > Firewall Objects > Internet Service > IP Reputation Database*, most entries show 0 in the Number of Entries column, while the same entries display data on FortiGate devices.
1169058	Installation might fail to these devices "FGT/FWF-30G/31G" due to some unsupported syntax.
1171386	Install failure might be observed when pushing proxy-based antivirus profile to FortiGate models FGT-40F and FGT-60F.
1173197	Where Used feature is not working for objects that contain a forward slash (/).
1179704	FortiManager attempted to remove internet-service-custom objects from the FortiGates; however, the installation failed due to syntax incompatibility caused by static entries that cannot be deleted.
1180805	FortiManager is attempting to purge the "`webfilter ftgd-risk-level`" entries; however, because these are static, default built-in entries on the FortiGates, the installation fails.
1186242	Policy package installation with VIP type "server-load-balance" fails when VDOM exception "firewall.vip" is enabled.

Services

Bug ID	Description
1150398	FortiSandbox v5 is not supported for FortiGuard update download (for an air gapped environment).
1170893	When FortiManager is acting as Local FortiGaurd Servers, FortiClient applications running on Linux machines are not receiving any signature updates.

System Settings

Bug ID	Description
1151919	During policy installation, FortiManager unexpectedly pushed the `unset ha priority` command to all vClusters, changing the HA priority.
1169081	When clicking on the *Approve this request* link in the *Workflow* mode, the following error message can be observed. "Unable to complete action, failed to 'approve'. "

VPN Manager

Bug ID	Description
1166323	The *VPN Manager > IPsec VPN Communities* page no longer displays correctly the page loads but shows only a blank (white) screen.

Known issues

Known issues are organized into the following categories:

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 7.6.4.

Device Manager

Bug ID	Description
1198163	When installing an SD-WAN static route via a template, the push fails with a duplicated route error.

FortiSwitch Manager

Bug ID	Description
1193285	When changing the name of a FortiSwitch from FortiSwitch Manager, the next Installation will reset the ports configuration of the switch to default configuration. **Workaround:** Ensure the switch name in both FortiSwitch Manager and device DB (switch-controller managed-switch) are the same prior to installation.

Others

Bug ID	Description
1196043	Failed to create Event Handlers or Reports on FortiManager when a Fortinet Fabric Connection is established on FortiAnalyzer to connect to the FortiManager device. **Workaround:**

Bug ID	Description
	Go back to the specific ADOM on FortiAnalyzer and create the Event Handlers or Reports there. After synchronization, the new entries should become available on FortiManager.
1199504	When Workspace is in Workflow mode, the fmg-admin may observe "You have no write permission to do this operation" error message when attempting to modify an interface.
1201751	Unable to add managed FortiAnalyzer to FortiManager.
1230277	If the ADOM in an earlier FortiManager version contains DLP dictionary entries named "`fg-*`"—which are reserved in FortiManager 7.6—the upgrade from ADOM 7.4 to 7.6 will fail. The upgrade process attempts to copy these reserved-name objects, but ADOM 7.6 does not allow them to be created or modified.

Policy & Objects

Bug ID	Description

1198075	Upon any modification, policy installation will result in attempt to purge dns-database even though no changes are made to dns database.
	Workaround:
	Attach CLI template to device with the `config system dns-database` configuration.
	1. On the FortiGate, run the following CLI command:
	`config system dns-database`
	`show`
	`end`
	2. On FortiManager (*Device Manager*), create a new CLI Provisioning Template and paste the FortiGate CLI output from step 1; assign the template to the respective FortiGate.
	3. Verify if the Purge command shown in the install preview and proceed to install the config if it's not purging the dns-database.

1212118	Reinstalling policy packages for more than three devices may cause the Application Security Console to crash. **Workaround:** • Just select to install two device at the same time. • Use normal installation process, instead of Re-Install.

Existing known issues

The following issues have been identified in a previous version of FortiManager and remain in FortiManager 7.6.4.

AP Manager

Bug ID	Description
1086946	The FortiAP upgrade via FortiManager may fail (on FortiGate 7.6.1). The process could stop at the controller_download_image step or experience a prolonged stall, eventually resulting in a timeout.
1173274	FortiManager is trying to enable ddscan when it is not enabled on ADOM db, device db, and AP Manager profile
1174004	After FortiManager's upgrade to 7.4.7, FortiManager may suggest to "set ddscan enable" during the first installation, and this may create some issue on FortiAPs connected to the FortiGate.
1178251	FortiManager is attempting to unset the `auth-cert` on the wireless-controller VAP during every installation.
1204035	FAP-231K is not supported by FortiManager.

Device Manager

Bug ID	Description
1028515	The Greenwich time zone on FortiGate is not supported on the FortiManager.
1102790	FortiManager pushes the unset auto-connect command to config system lte-modem, where the default value is disabled on FortiOS but still enabled on FortiManager.
1152287	HA group-id not inherited from CSV file or from pre-run script.
1173182	CLI Template Installation Fails with error message "SSID rename not allowed".
1176785	Getting error while importing certificate 'no write permission to do this operation'. **Workaround:** Run script on device database to import the certificate.

Others

Bug ID	Description
1126662	In a FortiGate HA setup running on the public cloud platform, the FortiManager attempts to install changes on static routes, which may cause routes to be deleted after an HA failover.
1143100	Unable to add physical FortiProxy to FortiManager.
1158842	The FortiManager dashboard *FortiGuard license status* does not display the same data as shown on the FortiGuard page.
1199504	When Workspace is in Workflow mode, the fmg-admin may observe "You have no write permission to do this operation" error message when attempting to modify an interface.

1217534	During an upgrade of a FortiGate-HA cluster via FortiManager, if the disk-check feature is enabled, it may cause all cluster members to reboot simultaneously. This can result in an unexpected traffic interruption.
	Workaround:
	To prevent this issue, disable the disk check before performing the upgrade:
	`config fmupdate fwm-setting`
	`set check-fgt-disk disable`
	`end`

1217951	FortiManager may not recognize the 1000F serial number as valid for applying the corresponding Device Blueprint, preventing the CSV file from being loaded.

Policy & Objects

Bug ID	Description
1160047	Application control category "GenAI" is missing in FortiManager, but present in FortiGate. **Workaround:** Copy a FortiGate application list (Applist) from the CLI that includes Category 36, and insert it into a CLI template in FortiManager. Assign CLI template to FortiGate.
1181585	"Where Used" feature does not function.
1196308	EMS server security posture tags are not fully synchronized with FortiManager; ZTNA tags comment are missing.
1200063	Failed to update EMS tags from EMS cloud server on FortiManager v7.6.x.
1209756	Policy package installation fails for FGT-30G due to SSL VPN settings not supported by this FortiGate model.

Bug ID	Description
1212118	Reinstalling policy packages for more than three devices may cause the Application Security Console to crash. **Workaround**: • Just select to install 2 device at the same time. • Use normal installation process, instead of re-install.
1215349	FortiManager may delete policies or settings during device installation due to concurrent database interactions from tasks like auto-updates, policy installs, or HA-related updates running simultaneously. **Workaround**: Consider using policy package installations instead of device installations whenever possible. It is recommended to use Installation Preview before committing any changes to FortiGates. If you observe any unexpected actions, run an Integrity Check. If the issue is confirmed, retrieve the device configuration before proceeding.
1218648	The Alternative Resources setting under AWS connector is not pushed to FortiGate.

System Settings

Bug ID	Description
1063040	Unable to import a local certificate into FortiManager. This issue may occur if the certificate is encrypted with a newer OpenSSL version that FortiManager does not yet support. **Workaround:** Convert the latest certificate to the legacy format before uploading it to FortiManager.

1086386	Unable to save changes for SNMP users in FortiManager if more than one notification host is configured.
	Workaround:
	1. Make changes on the FortiGate directly and it would auto sync back to FortiManager.
	2. Run a script in FortiManager adding more hosts and run against relevant FortiGates.
	For example, something like the following after adding host 1 x.x.x.x via FortiManager GUI successfully:
	`config system snmp user`
	`edit "user1"`
	`set notify-hosts x.x.x.x y.y.y.y z.z.z.z`
	`next`
	`end`

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.

www.fortinet.com