

# FortiManager - Release Notes

Version 5.6.7

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November 25, 2019

FortiManager 5.6.7 Release Notes

02-567-526138-20191125

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# Change Log

Date	Change Description
2018-12-06	Initial release of 5.6.7.
2018-12-17	Added Known Issue 510625.
2019-02-01	Added <i>IOC Support on FortiManager to Special Notices.</i>
2019-03-07	Added 505576 to <i>Resolved Issues.</i>
2019-11-25	Added 468740 to <i>Resolved Issues.</i>

# Introduction

This document provides the following information for FortiManager 5.6.7 build 1782:

- [Supported models](#)
- [Special Notices](#)
- [Upgrade Information](#)
- [Product Integration and Support](#)
- [Compatibility with FortiOS Versions](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [FortiGuard Distribution Servers \(FDS\)](#)

For more information on upgrading your device, see the FortiManager *Upgrade Guide*.

## Supported models

FortiManager version 5.6.7 supports the following models:

<b>FortiManager</b>	FMG-200D, FMG-200F, FMG-300D, FMG-300E, FMG-300F, FMG-400E, FMG-1000D, FMG-2000E, FMG-3000F, FMG-3900E, FMG-4000D, and FMG-4000E.
<b>FortiManager VM</b>	FMG-VM64, FMG-VM64-AWS, FMG-VM64-Azure, FMG-VM64-GCP, FMG-VM64-HV (including Hyper-V 2016), FMG-VM64-KVM, FMG-VM64-OPC and FMG-VM64-XEN (for both Citrix and Open Source Xen).

## Minimum screen resolution

The recommended minimum screen resolution is 1280 x 800. Please adjust the screen resolution accordingly. Otherwise, the GUI may not display properly.

# Special Notices

This section highlights some of the operational changes that administrators should be aware of in 5.6.7.

## IOC Support on FortiManager

Please note that FortiManager does not support IOC related features even when FortiAnalyzer mode is enabled.

## Recreate Guest List for Guest user group

After upgrading to FortiManager 5.6.7, recreate the guest list for the *Guest* user group in ADOM Policy Object before installing device settings to FortiGate devices.

## FortiAP Manager per-device management option

FortiAP Manager now supports a new per-device AP management option. When this option is enabled, the WiFi settings are managed at each FortiGate device level. The Central WiFi settings of the ADOM are not applied to the per-device managed APs.

## Traffic Shaping Policies

Starting from FortiManager 5.6.0, configuration for traffic shaping policies has been moved from individual FortiGate devices (the device database) to the ADOM database Policy Package. For FortiManager units that are upgraded from a previous release, a one-time operation of Importing all traffic shaping policies into the ADOM must be performed (a one-time manual or scripted reconfiguration can also be performed). Otherwise, the FortiManager will delete (purge) all existing traffic shaping policies on the FortiGate when installing the original policy package.

## WebSocket Implementation

As of version 5.6.0, WebSocket protocol has been implemented to allow for more efficient communication between the FortiManager and the browser. WebSocket protocol uses the standard TCP 80/443 browser ports, and is transparent to the operator. If your browser is using a proxy to access the FortiManager, ensure there are no limitations or restrictions on the using WebSocket.

## Virtual Wire Pair Support after Upgrade to 5.6.2 or Later

FortiManager 5.6.2 or later supports Virtual Wire Pair policies. After you upgrade FortiManager, you should import all policies and objects again from FortiGate units that use Virtual Wire Pair policies. Otherwise, a subsequent install may delete all policies on FortiGate units that reference a Virtual Wire Pair.

## FortiGate VM 16/32/UL license support

FortiOS 5.4.4 introduces new VM license types to support additional vCPUs. FortiManager 5.6.0 supports these new licenses with the prefixes of FGVM16, FGVM32, and FGVMUL.

## 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.

## IPsec connection to FortiOS for logging

FortiManager 5.4.2 and later does not support an IPsec connection with FortiOS 5.0/5.2. However UDP or TCP + reliable are supported.

Instead of IPsec, you can use the FortiOS reliable logging feature to encrypt logs and send them to FortiManager. You can enable the reliable logging feature on FortiOS by using the `configure log fortianalyzer setting` command. You can also control the encryption method on FortiOS by using the `set enc-algorithm default/high/low/disable` command.

## VM License (VM-10K-UG) Support

FortiManager 5.4.2 introduces a new VM license (VM-10K-UG) that supports 10,000 devices. It is recommended to upgrade to FortiManager 5.4.2 or later before applying the new license to avoid benign GUI issues.

## System Configuration or VM License is Lost after Upgrade

When upgrading FortiManager from 5.4.0 or 5.4.1 to 5.4.x or 5.6.0, it is imperative to reboot the unit before installing the 5.4.x or 5.6.0 firmware image. Please see the *FortiManager Upgrade Guide* for details about upgrading. Otherwise, FortiManager may lose system configuration or VM license after upgrade. There are two options to recover the FortiManager unit:



1. Reconfigure the system configuration or add VM license via CLI with `execute add-vm-license <vm license>`.
2. Restore the 5.4.0 backup and upgrade to 5.4.2.

## FortiOS 5.4.0 Support

With the enhancement in password encryption, FortiManager 5.4.2 and later no longer supports FortiOS 5.4.0. Please upgrade FortiGate to 5.4.2 or later.



The following ADOM versions are not affected: 5.0 and 5.2.

---

## Local in-policy after upgrade

After upgrading to FortiManager 5.4.1 or later, you must import or reconfigure local in-policy entries. Otherwise, the subsequent install of policy packages to FortiGate will purge the local in-policy entries on FortiGate.

## ADOM for FortiGate 4.3 Devices

FortiManager 5.4 and later no longer supports FortiGate 4.3 devices. FortiManager cannot manage the devices after the upgrade. To continue managing those devices, please upgrade all FortiGate 4.3 to a supported version, retrieve the latest configuration from the devices, and move the devices to an ADOM database with the corresponding version.

## SSLv3 on FortiManager-VM64-AWS

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

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

## Port 8443 reserved

Port 8443 is reserved for `https-logging` from FortiClient EMS for Chromebooks.

# Upgrade Information

## Upgrading to FortiManager 5.6.7

You can upgrade FortiManager 5.4.0 or later directly to 5.6.7. If you are upgrading from versions earlier than 5.4.x, you should upgrade to the latest patch version of FortiManager 5.4 first.



When upgrading from FortiManager 5.4 or 5.6.0 to 5.6.1, it is required to run the following CLI for proper rendering of GUI pages:

```
diagnose cdb upgrade force-retry resync-dbcache
```

---



When upgrading from FMG 5.2, an *Import Policy Package* should be performed on all FortiGates using *Local-In-Policies*. As of FMG 5.4, these are handled in Policies & Objects.

---



During upgrade from 5.2.4 or earlier, invalid dynamic mappings and duplicate package settings are removed from the ADOM database. Please allow sufficient time for the upgrade to complete.

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For details about upgrading your FortiManager device, see the *FortiManager Upgrade Guide*.

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## Upgrading from 5.2.x

Starting with FortiManager 5.4.0, you can create a maximum number of Global and ADOM objects for each object category, and the maximum is enforced. The maximum numbers are high and unlikely to be met. The purpose of the maximum is to help avoid excessive database sizes, which can impact performance.

During upgrade from FortiManager 5.2.x to 5.4.x to 5.6.7, objects are preserved, even if the 5.2 ADOM contains more than the maximum number of allowed objects. If you have met the maximum number of allowed objects, you cannot add additional objects after upgrading to FortiManager 5.6.7.

Following are examples of object limits:

- Firewall service custom: 8192 objects
- Firewall service group: 2000 objects

If you have reached the maximum number of allowed objects, you can reduce the number of objects by deleting duplicate or obsolete objects from the ADOM.

You can also reach the maximum number of allowed objects if you have multiple FortiGate/VDOMs in the same ADOM. You can reduce the number of objects by moving the FortiGates/VDOMs into different ADOMs.

## Downgrading to previous firmware versions

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

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

## FortiManager VM firmware

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

### Amazon Web Services

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

### Citrix XenServer and Open Source XenServer

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

- `.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 `FMG_VM64_AZURE-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 Azure.

### Microsoft Hyper-V Server

The files for Microsoft Hyper-V Server have HV in the filenames, for example, `FMG_VM64_HV-v<number>-build<number>-FORTINET.out.hyperv.zip`.

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



Microsoft Hyper-V 2016 is supported.

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### 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 product data sheet available on the Fortinet web site, <http://www.fortinet.com/products/fortimanager/virtualappliances.html>. VM installation guides are available in the [Fortinet Document Library](#).

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## 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 select *Download > Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

## 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

## FortiManager 5.6.7 support

The following table lists 5.6.7 product integration and support information:

### Web Browsers

- Microsoft Internet Explorer version 11 or Edge 40  
Due to limitation on Microsoft Internet Explorer or Edge, it may not completely render a page with a large set of policies or objects.
  - Mozilla Firefox version 63
  - Google Chrome version 70
- Other web browsers may function correctly, but are not supported by Fortinet.

**FortiOS/FortiOS Carrier**

- 5.6.7
- 5.6.6  
FortiManager 5.6.5 is fully tested as compatible with FortiOS/FortiOS Carrier 5.6.6, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.6.6 on page 25](#).
- 5.6.4 to 5.6.5  
FortiManager 5.6.4 is fully tested as compatible with FortiOS/FortiOS Carrier 5.6.5, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.6.5 on page 25](#).
- 5.6.2 to 5.6.3  
FortiManager 5.6.1 is fully tested as compatible with FortiOS/FortiOS Carrier 5.6.3, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.6.3 on page 25](#).
- 5.6.0 to 5.6.1  
FortiManager 5.6.0 is fully tested as compatible with FortiOS/FortiOS Carrier 5.6.0 to 5.6.1, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.6.0 and 5.6.1 on page 26](#).
- 5.4.10  
FortiManager 5.4.5 is fully tested as compatible with FortiOS/FortiOS Carrier 5.4.10, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.4.10 on page 26](#).
- 5.4.9  
FortiManager 5.6.3 is fully tested as compatible with FortiOS/FortiOS Carrier 5.4.9, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.4.9 on page 26](#).
- 5.4.1 to 5.4.8  
FortiManager 5.4.4 is fully tested as compatible with FortiOS/FortiOS Carrier 5.4.8, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.4.8 on page 26](#).
- 5.2.8 to 5.2.13  
FortiManager 5.4.1 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.10, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.10 on page 27](#).
- 5.2.7  
FortiManager 5.2.6 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.7, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.7 on page 27](#).
- 5.2.6  
FortiManager 5.2.4 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.6, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.6 on page 27](#).
- 5.2.2 to 5.2.5
- 5.2.1  
FortiManager 5.2.1 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.1, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.1 on page 28](#).
- 5.2.0  
FortiManager 5.2.1 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.0, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.0 on page 28](#).

<b>FortiAnalyzer</b>	<ul style="list-style-type: none"><li>• 5.6.0 and later</li><li>• 5.4.0 and later</li><li>• 5.2.0 and later</li><li>• 5.0.0 and later</li></ul>
<b>FortiCache</b>	<ul style="list-style-type: none"><li>• 4.2.8</li><li>• 4.1.6</li><li>• 4.0.0 to 4.0.4</li></ul>
<b>FortiClient</b>	<ul style="list-style-type: none"><li>• 5.6.0 to 5.6.6</li><li>• 5.4.0 and later</li><li>• 5.2.0 and later</li></ul>
<b>FortiMail</b>	<ul style="list-style-type: none"><li>• 5.4.7</li><li>• 5.3.12</li><li>• 5.2.10</li><li>• 5.1.7</li><li>• 5.0.10</li></ul> <p>Limited support. For more information, see <a href="#">Feature support on page 16</a>.</p>
<b>FortiSandbox</b>	<ul style="list-style-type: none"><li>• 2.5.2</li><li>• 2.4.1</li><li>• 2.3.3</li><li>• 2.2.2</li><li>• 2.1.2</li><li>• 1.4.0 and later</li><li>• 1.3.0</li><li>• 1.2.0 and 1.2.3</li></ul>
<b>FortiSwitch</b>	<ul style="list-style-type: none"><li>• 5.2.5</li></ul>
<b>FortiWeb</b>	<ul style="list-style-type: none"><li>• 5.9.1</li><li>• 5.8.6</li><li>• 5.8.3</li><li>• 5.8.1</li><li>• 5.8.0</li><li>• 5.7.2</li><li>• 5.6.1</li><li>• 5.5.6</li><li>• 5.4.1</li><li>• 5.3.9</li><li>• 5.2.4</li><li>• 5.1.4</li><li>• 5.0.6</li></ul>

<b>FortiDDoS</b>	<ul style="list-style-type: none"> <li>• 4.6.0</li> <li>• 4.5.0</li> <li>• 4.4.2</li> <li>• 4.3.2</li> <li>• 4.2.3</li> <li>• 4.1.12</li> </ul> <p>Limited support. For more information, see <a href="#">Feature support on page 16</a>.</p>
<b>FortiAuthenticator</b>	<ul style="list-style-type: none"> <li>• 5.2.2</li> </ul>
<b>Virtualization</b>	<ul style="list-style-type: none"> <li>• Amazon Web Service AMI, Amazon EC2, Amazon EBS</li> <li>• Citrix XenServer 7.2</li> <li>• Linux KVM Redhat 7.1</li> <li>• Microsoft Azure</li> <li>• Microsoft Hyper-V Server 2002 and 2016</li> <li>• OpenSource XenServer 4.2.5</li> <li>• VMware ESXi versions 5.0, 5.5, 6.0, 6.5, and 6.7</li> </ul>



To confirm that a device model or firmware version is supported by 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.

## Feature support

The following table lists FortiManager feature support for managed platforms.

Platform	Management Features	FortiGuard Update Services	Reports	Logging
FortiGate	✓	✓	✓	✓
FortiCarrier	✓	✓	✓	✓
FortiAnalyzer			✓	✓
FortiCache			✓	✓
FortiClient		✓	✓	✓
FortiDDoS			✓	✓
FortiMail		✓	✓	✓



Platform	Management Features	FortiGuard Update Services	Reports	Logging
FortiSandbox		✓	✓	✓
FortiSwitch ATCA	✓			
FortiWeb		✓	✓	✓
Syslog				✓

## Language support

The following table lists FortiManager language support information.

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

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

Russian, Hebrew, and Hungarian are not included in the default report languages. You can create your own language translation files for these languages and import the language translation files into FortiManager by using one of the following commands:

```
execute sql-report import-lang <language name> <ftp> <server IP address> <user name>
    <password> <file name>
execute sql-report import-lang <language name> <sftp> <server IP address> <user name>
    <password> <file name>
execute sql-report import-lang <language name> <scp> <server IP address> <user name>
    <password> <file name>
execute sql-report import-lang <language name> <tftp> <server IP address> <file name>
```

For more information about commands, see the *FortiManager CLI Reference*.

## Supported models

The following tables list which FortiGate, FortiCarrier, FortiDDoS, FortiAnalyzer, FortiMail, FortiSandbox, FortiSwitch ATCA, FortiWeb, and FortiCache models and firmware versions that can be managed by a FortiManager or send logs to a FortiManager running version 5.6.7.



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.

### FortiGate models

Model	Firmware Version
<p><b>FortiGate:</b> FG-30D, FG-30D-POE, FG-30E, FG-30E-3G4G-INTL, FG-30E-3G4G-NAM, FG-50E, FG-51E, FG-52E, FG-60D, FG-60D-POE, FG-60E, FG-60E-POE, FG-61E, FG-70D, FG-70D-POE, FG-80C, FG-80CM, FG-80D, FG-80E, FG-80E-POE, FG-81E, FG-81E-POE, FG-90D, FG-90D-POE, FG-90E, FG-91E, FG-92D, FG-94D-POE, FG-98D-POE, FG-100D, FG-100E, FG-100EF, FG-101E, FG-140D, FG-140D-POE, FG-140E, FG-140E-POE, FG-200D, FG-200D-POE, FG-200E, FG-201E, FG-240D, FG-240-POE, FG-280D-POE, FG-300D, FG-300E, FG-301E, FG-400D, FG-500D, FG-500E, FG-501E, FG-600C, FG-600D, FG-800C, FG-800D, FG-900D, FG-1000C, FG-1000D, FG-1200D, FG-1500D, FG-1500DT, FG-2000E, FG-2500E, FG-3000D, FG-3100D, FG-3200D, FG-3240C, FG-3600C, FG-3700D, FG-3700DX, FG-3800D, FG-3810D, FG-3815D, FG-3960E, FG-3980E,</p> <p><b>FortiGate 5000 Series:</b> FG-5001C, FG-5001D</p> <p><b>FortiGate DC:</b> FG-80C-DC, FG-600C-DC, FG-800C-DC, FG-800D-DC, FG-1000C-DC, FG-1500D-DC, FG-3000D-DC, FG-3100D-DC, FG-3200D-DC, FG-3240C-DC, FG-3600C-DC, FG-3700D-DC, FG-3800D-DC, FG-3810D-DC, FG-3815D-DC</p> <p><b>FortiGate Hardware Low Encryption:</b> FG-80C-LENC, FG-100D-LENC, FG-600C-LENC, FG-1000C-LENC</p> <p><b>Note:</b> All license-based LENC is supported based on the FortiGate support list.</p> <p><b>FortiWiFi:</b> FWF-30D, FWF-30D-POE, FWF-30E, FWF-30E-3G4G-INTL, FWF-30E-3G4G-NAM, FWF-50E, FWF-50E-2R, FWF-51E, FWF-60D, FWF-60D-POE, FWF-60E, FWF-61E, FWF-80CM, FWF-81CM, FWF-90D, FWF-90D-POE, FWF-92D</p> <p><b>FortiGate VM:</b> FG-VM64, FG-VM64-AWS, FG-VM64-AWSONDEMAND, FG-VM64-GCP, FG-VM64-HV, FG-VM64-KVM, FG-VM64-XEN, FG-VMX-Service-Manager, FOSVM64, FOSVM64-KVM</p> <p><b>FortiGate Rugged:</b> FGR-30D, FGR-35D, FGR-60D, FGR-90D</p>	5.6

Model	Firmware Version
<p><b>FortiGate:</b> FG-30D, FG-30D-POE, FG-30E, FG-30E-3G4G-INTL, FG-30E-3G4G-NAM, FG-50E, FG-51E, FG-52E, FG-60D, FG-60D-POE, FG-60E, FG-60E-DSL, FG-60E-POE, FG-61E, FG-70D, FG-70D-POE, FG-80C, FG-80CM, FG-80D, FG-80E, FG-80E-POE, FG-81E, FG-81E-POE, FG-90D, FG-90D-POE, FG-90E, FG-91E, FG-92D, FG-94D-POE, FG-98D-POE, FG-100D, FG-100E, FG-100EF, FG-101E, FG-140D, FG-140D-POE, FG-140E, FG-140-POE, FG-200D, FG-200D-POE, FG-240D, FG-240D-POE, FG-280D-POE, FG-200E, FG-201E, FGT-300D, FGT-300E, FGT-301E, FG-400D, FG-500D, FG-500E, FG-501E, FG-600C, FG-600D, FG-800C, FG-800D, FG-900D, FG-1000C, FG-1000D, FG-1200D, FG-1500D, FG-1500DT, FG-3000D, FG-3100D, FG-3200D, FG-3240C, FG-3600C, FG-3700D, FG-3700DX, FG 3800D, FG-3810D, FG-3815D, FG-3960E, FG3980E, FG-2000E, FG-2500E</p> <p><b>FortiGate 5000 Series:</b> FG-5001C, FG-5001D, FG-5001E, FG-5001E1</p> <p><b>FortiGate 6000 Series:</b> FG-6000F, FG-6300F, FG-6301F, FG-6500F, FG-6501F</p> <p><b>FortiGate 7000 Series:</b> FG-7030E-Q, FG-7030E-S, FG-7040E-1, FG-7040E-2, FG-7040E-3, FG-7040E-4, FG-7040E-5, FG-7040E-6, FG-7040E-8, FG-7040E-8-DC, FG-7060E-1, FG-7060E-2, FG-7060E-3, FG-7060E-4, FG-7060E-5, FG-7060E-6, FG-7060E-8</p> <p><b>FortiGate DC:</b> FG-80C-DC, FG-600C-DC, FG-800C-DC, FG-800D-DC, FG-1000C-DC, FG-1500D-DC, FG-3000D-DC, FG-3100D-DC, FG-3200D-DC, FG-3240C-DC, FG-3600C-DC, FG-3700D-DC, FG-3800D-DC, FG-3810D-DC, FG-3815DC</p> <p><b>FortiGate Hardware Low Encryption:</b> FG-80C-LENC, FG-100D-LENC, FG-600C-LENC, FG-1000C-LENC</p> <p><b>Note:</b> All license-based LENC is supported based on the FortiGate support list.</p> <p><b>FortiWiFi:</b> FWF-30D, FWF-30D-POE, FWF-30E, FWF-30E-3G4G-INTL, FWF-30E-3G4G-NAM, FWF-50E, FWF-50E-2R, FWF-51E, FWF-60D, FWF-60D-POE, FWF-60E-DSL, FWF-60E, FWF-61E, FWF-80CM, FWF-81CM, FWF-90D, FWF-90D-POE, FWF-92D</p> <p><b>FortiGate VM:</b> FG-VM, FG-VM64, FG-VM64-AWS, FG-VM64-AWSONDEMAND, FG-VM64-HV, FG-VM64-KVM, FG-VM64-OPC, FG-VM64-XEN, FG-VMX-Service-Manager, FOS-VM64, FOS-VM64-KVM</p> <p><b>FortiGate Rugged:</b> FGR-30D, FGR-30D-ADSL-A, FGR-35D, FGR-60D, FGR-90D</p>	5.4

Model	Firmware Version
<p><b>FortiGate:</b> FG-20C, FG-20C-ADSL-A, FG-30D, FG-30D-POE, FG-40C, FG-60C, FG-60C-POE, FG-60C-SFP, FG-60D, FG-60D-3G4G-VZW, FG-60D-POE, FG-70D, FG-70D-POE, FG-80C, FG-80CM, FG-80D, FG-90D, FG-90D-POE, FG-92D, FG-94D-POE, FG-98D-POE, FG-100D, FG-110C, FG-111C, FG-140D, FG-140D-POE, FG-140D-POE-T1, FG-200B, FG-200B-POE, FG-200D, FG-200D-POE, FG-240D, FG-240D-POE, FG-280D-POE, FG-300C, FG-300D, FG-310B, FG-311B, FG-400D, FG-500D, FG-600C, FG-600D, FG-620B, FG-621B, FG-800C, FG-800D, FG-900D, FG-1000C, FG-1000D, FG-1200D, FG-1240B, FG-1500D, FG-1500DT, FG-3000D, FG-3016B, FG-3040B, FG-3100D, FG-3140B, FG-3200D, FG-3240C, FG-3600C, FG-3700D, FG-3700DX, FG-3810A, FG-3810D, FG-3815D, FG-3950B, FG-3951B</p> <p><b>FortiGate 5000 Series:</b> FG-5001A, FG-5001A-SW, FG-5001A-LENC, FG-5001A-DW-LENC, FG-5001A-SW-LENC, FG-5001B, FG-5001C, FG-5001D, FG-5101C</p> <p><b>FortiGate DC:</b> FG-80C-DC, FG-300C-DC, FG-310B-DC, FG-600C-DC, FG-620B-DC, FG-621B-DC, FG-800C-DC, FG-800D-DC, FG-1000C-DC, FG-1240B-DC, FG-1500D-DC, FG-3000D-DC, FG-3040B-DC, FG-3100D-DC, FG-3140B-DC, FG-3200D-DC, FG-3240C-DC, FG-3600C-DC, FG-3700D-DC, FG-3810A-DC, FG-3810D-DC, FG-3815D-DC, FG-3950B-DC, FG-3951B-DC</p> <p><b>FortiGate Low Encryption:</b> FG-20C-LENC, FG-40C-LENC, FG-60C-LENC, FG-80C-LENC, FG-100D-LENC, FG-200B-LENC, FG-300C-LENC, FG-310B-LENC, FG-600C-LENC, FG-620B-LENC, FG-1000C-LENC, FG-1240B-LENC, FG-3040B-LENC, FG-3140B-LENC, FG-3810A-LENC, FG-3950B-LENC</p> <p><b>FortiWiFi:</b> FWF-20C, FWF-20C-ADSL-A, FWF-30D, FWF-30D-POE, FWF-40C, FWF-60C, FWF-60CM, FWF-60CX-ADSL-A, FWF-60D, FWF-60D-3G4G-VZW, FWF-60D-POE, FWF-80CM, FWF-81CM, FWF-90D, FWF-90D-POE, FWF-92D</p> <p><b>FortiGate Rugged:</b> FGR-60D, FGR-100C</p> <p><b>FortiGate VM:</b> FG-VM, FG-VM64, FG-VM64-AWSONDEMAND, FG-VM-Azure, FG-VM64-HV, FG-VM64-KVM, FG-VM64-XEN</p> <p><b>FortiSwitch:</b> FS-5203B, FCT-5902D</p>	5.2

### FortiCarrier Models

Model	Firmware Version
<p><b>FortiCarrier:</b> FCR-3000D, FCR-3100D, FCR-3200D, FCR-3700D, FCR-3700DX, FCR-3800D, FCR-3810D, FCR-3815D, FCR-5001C, FCR-5001D, FCR-3000D-DC, FCR-3100D-DC, FCR-3200D-DC, FCR-3240C, FCR-3600C, FCR-3700D-DC, FCR-3810D-DC, FCR-5001C</p> <p><b>FortiCarrier DC:</b> FCR-3000D-DC, FCR-3100D-DC, FCR-3200D-DC, FCR-3240C-DC, FCR-3600C-DC, FCR-3700D-DC, FCR-3800D-DC, FCR-3810D-DC, FCR-3815D-DC</p> <p><b>FortiCarrier VM:</b> FCR-VM, FCR-VM64, FCR-VM64-AWS, FCR-VM64-AWSONDEMAND, FCR-VM64-HV, FCR-VM64-KVM</p>	5.4

Model	Firmware Version
<b>FortiCarrier:</b> FCR-3000D, FCR-3100D, FCR-3200D, FCR-3240C, FCR-3600C, FCR-3700D, FCR-3700DX, FCR-3810A, FCR-3810D, FCR-3815D, FCR-3950B, FCR-3951B, FCR-5001A, FCR-5001B, FCR-5001C, FCR-5001D, FCR-5101C, FCR5203B, FCR-5902D <b>FortiCarrier DC:</b> FCR-3000D-DC, FCR-3100D-DC, FCR-3200D-DC, FCR-3700D-DC, FCR-3810D-DC <b>FortiCarrier Low Encryption:</b> FCR-5001A-DW-LENC <b>FortiCarrier VM:</b> FCR-VM, FCR-VM64, FCR-VM64-HV, FCR-VM64-KVM, FCR-Vm64-XEN, FCR-VM64-AWSONDEMAND	5.2

### FortiDDoS models

Model	Firmware Version
<b>FortiDDoS:</b> FI-200B, FI400B, FI-600B, FI-800B, FI-900B, FI-1000B, FI-1200B, FI-2000B, FI-3000B	4.2, 4.1, 4.0

### FortiAnalyzer models

Model	Firmware Version
<b>FortiAnalyzer:</b> FAZ-200D, FAZ-300D, FAZ-400E, FAZ-1000D, FAZ-1000E, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, and FAZ-3900E. <b>FortiAnalyzer VM:</b> FAZ-VM64, FAZ-VM64-AWS, FMG-VM64-Azure, FAZ-VM64-HV, FAZ-VM64-KVM, and FAZ-VM64-XEN (Citrix XenServer and Open Source Xen).	5.6
<b>FortiAnalyzer:</b> FAZ-200D, FAZ-300D, FAZ-400E, FAZ-1000D, FAZ-1000E, FAZ-2000B, FAZ-2000E, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, FAZ-3900E, and FAZ-4000B. <b>FortiAnalyzer VM:</b> FAZ-VM64, FMG-VM64-Azure, FAZ-VM64-HV, FAZ-VM64-XEN (Citrix XenServer and Open Source Xen), FAZ-VM64-KVM, and FAZ-VM64-AWS.	5.4
<b>FortiAnalyzer:</b> FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400C, FAZ-400E, FAZ-1000C, FAZ-1000D, FAZ-1000E, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, FAZ-3900E, FAZ-4000B <b>FortiAnalyzer VM:</b> FAZ-VM, FAZ-VM-AWS, FAZ-VM64, FAZ-VM64-Azure, FAZ-VM64-HV, FAZ-VM64-KVM, FAZ-VM64-XEN	5.2
<b>FortiAnalyzer:</b> FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400B, FAZ-400C, FAZ-400E, FAZ-1000B, FAZ-1000C, FAZ-1000D, FAZ-1000E, FAZ-2000A, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, FAZ-4000A, FAZ-4000B <b>FortiAnalyzer VM:</b> FAZ-VM, FAZ-VM64, FAZ-VM64-AWS, FAZ-VM64-Azure, FAZ-VM64-HV, FAZ-VM-KVM, FAZ-VM-XEN	5.0

**FortiMail models**

Model	Firmware Version
<b>FortiMail:</b> FE-60D, FE-200D, FE-200E, FE-400C, FE-400E, FE-1000D, FE-2000B, FE-2000E, FE-3000C, FE-3000D, FE-3000E, FE-3200E, FE-5002B <b>FortiMail Low Encryption:</b> FE-3000C-LENC <b>FortiMail VM:</b> FE-VM64, FE-VM64-HV, FE-VM64-XEN	5.3.7
<b>FortiMail:</b> FE-60D, FE-200D, FE-200E, FE-400C, FE-400E, FE-1000D, FE-2000B, FE-3000C, FE-3000D, FE-5002B <b>FortiMail VM:</b> FE-VM64, FE-VM64-HV, FE-VM64-XEN	5.2.8
<b>FortiMail:</b> FE-100C, FE-200D, FE-200E, FE-400B, FE-400C, FE-400E, FE-1000D, FE-2000B, FE-3000C, FE-3000D, FE-5001A, FE-5002B <b>FortiMail VM:</b> FE-VM64	5.1.6
<b>FortiMail:</b> FE-100C, FE-200D, FE-200E, FE-400B, FE-400C, FE-1000D, FE-2000A, FE-2000B, FE-3000C, FE-3000D, FE-4000A, FE-5001A, FE-5002B <b>FortiMail VM:</b> FE-VM64	5.0.10

**FortiSandbox models**

Model	Firmware Version
<b>FortiSandbox:</b> FSA-1000D, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3500D <b>FortiSandbox VM:</b> FSA-VM	2.4.0 2.3.2
<b>FortiSandbox:</b> FSA-1000D, FSA-3000D, FSA-3500D <b>FortiSandbox VM:</b> FSA-VM	2.2.0 2.1.0
<b>FortiSandbox:</b> FSA-1000D, FSA-3000D <b>FortiSandbox VM:</b> FSA-VM	2.0.0 1.4.2
<b>FortiSandbox:</b> FSA-1000D, FSA-3000D	1.4.0 and 1.4.1 1.3.0 1.2.0 and later

**FortiSwitch ACTA models**

Model	Firmware Version
<b>FortiController:</b> FTCL-5103B, FTCL-5902D, FTCL-5903C, FTCL-5913C	5.2.0
<b>FortiSwitch-ATCA:</b> FS-5003A, FS-5003B <b>FortiController:</b> FTCL-5103B, FTCL-5903C, FTCL-5913C	5.0.0
<b>FortiSwitch-ATCA:</b> FS-5003A, FS-5003B	4.3.0 4.2.0

**FortiWeb models**

Model	Firmware Version
<b>FortiWeb:</b> FWB-1000D, FWB-1000E, FWB-100D, FWB-2000E, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E, FWB-400C, FWB-400D, FWB-600D <b>FortiWeb VM:</b> FWB-Azure, FWB-CMINTF, FWB-HYPERV, FWB-KVM, FWB-KVM-PAYG, FWB-VM, FWB-VM-PAYG, FWB-XENAWS, FWB-XENAWS-Ondemand, FWB-XENOPEN	5.9.1
<b>FortiWeb:</b> FWB-1000C, FWB-1000D, FWB-1000E, FWB-100D, FWB-2000E, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E, FWB-400C, FWB-400D, FWB-600D <b>FortiWeb VM:</b> FWB-Azure, FWB-Azure-Ondemand, FWB-CMINTF, FWB-HYPERV, FWB-KVM, FWB-KVM-PAYG, FWB-VM, FWB-VM-PAYG, FWB-XENAWS, FWB-XENAWS-Ondemand, FWB-XENOPEN	5.8.6
<b>FortiWeb:</b> FWB-1000C, FWB-1000D, FWB-100D, FWB-2000E, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E, FWB-400C, FWB-400D, FWB-600D <b>FortiWeb VM:</b> FWB-Azure, FWB-HYPERV, FWB-KVM, FWB-OS1, FWB-VM, FWB-XENAWS, FWB-XENAWS-Ondemand, FWB-XENOPEN	5.7.2
<b>FortiWeb:</b> FWB-1000C, FWB-1000D, FWB-100D, FWB-2000E, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E, FWB-400C, FWB-400D, FWB-600D <b>FortiWeb VM:</b> FWB-Azure, FWB-HYPERV, FWB-KVM, FWB-VM, FWB-XENAWS, FWB-XENAWS-Ondemand, FWB-XENOPEN	5.6.1
<b>FortiWeb:</b> FWB-100D, FWB-400C, FWB-400D, FWB-1000C, FWB-1000D, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E <b>FortiWeb VM:</b> FWB-VM-64, FWB-XENAWS, FWB-XENOPEN, FWB-XENSERVR, FWB-HYPERV, FWB-KVM, FWB-AZURE	5.5.6
<b>FortiWeb:</b> FWB-100D, FWB-400C, FWB-1000C, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-4000C, FWB-4000D, FWB-4000E <b>FortiWeb VM:</b> FWB-VM64, FWB-XENAWS, FWB-XENOPEN, FWB-XENSERVR, FWB-HYPERV	5.4.1
<b>FortiWeb:</b> FWB-100D, FWB-400B, FWB-400C, FWB-1000B, FWB-1000C, FWB-1000D, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-4000C, FWB-4000D, FWB-4000E <b>FortiWeb VM:</b> FWB-VM64, FWB-XENAWS, FWB-XENOPEN, FWB-XENSERVR, and FWB-HYPERV	5.3.9

Model	Firmware Version
<b>FortiWeb:</b> FWB-100D, FWB-400B, FWB-400C, FWB-1000B, FWB-1000C, FWB-1000D, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-4000C, FWB-4000D, FWB-4000E <b>FortiWeb VM:</b> FWB-VM64, FWB-HYPERV, FWB-XENAWS, FWB-XENOPEN, FWB-XENSERVR	5.2.4

#### FortiCache models

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

#### FortiProxy models

Model	Firmware Version
<b>FortiProxy:</b> FPX-400E, FPX-2000E <b>FortiProxy VM:</b> FPX-KVM, FPX-VM64	1.0

#### FortiAuthenticator models

Model	Firmware Version
<b>FortiAuthenticator:</b> FAC-200D, FAC-200E, FAC-400C, FAC-400E, FAC-1000C, FAC-1000D, FAC-3000B, FAC-3000D, FAC-3000E, FAC-VM	4.0 and 4.1



# Compatibility with FortiOS Versions

This section highlights compatibility issues that administrators should be aware of in 5.6.7.

## Compatibility issues with FortiOS 5.6.6

The following table lists interoperability issues that have been identified with FortiManager version 5.6.5 and FortiOS 5.6.6.

Bug ID	Description
513066	FortiManager 5.6.5 does not support the following new value in FortiOS 5.6.6: <code>system sdn-connector</code> command with the <code>azure-region</code> variable set to <code>germany usgov local</code> . If set on FortiGate, the values will be unset during the next configuration installation from FortiManager.
513069	FortiManager 5.6.5 does not support the following new value in FortiOS 5.6.6: <code>system snmp user</code> command with the <code>community events</code> variable set to <code>av-oversize-blocked</code> or <code>faz-disconnect</code> . If set on FortiGate, the values will be unset during the next configuration installation from FortiManager.

## Compatibility issues with FortiOS 5.6.5

The following table lists known interoperability issues that have been identified with FortiManager version 5.6.4 and FortiOS version 5.6.5.

Bug ID	Description
496117	Install fails for purging dnsfilter profile.

## Compatibility issues with FortiOS 5.6.3

The following table lists interoperability issues that have been identified with FortiManager version 5.6.1 and FortiOS 5.6.3.

Bug ID	Description
469993	FortiManager has a different default value for <code>switch-controller-dhcp-snooping</code> from that on FortiGate.

## Compatibility issues with FortiOS 5.6.0 and 5.6.1

The following table lists interoperability issues that have been identified with FortiManager version 5.6.0 and FortiOS 5.6.0 and 5.6.1.

Bug ID	Description
451036	FortiManager may return verification error on <code>proxy enable</code> when installing a policy package.
460639	FortiManager may return verification error on <code>wtp-profile</code> when creating a new VDOM.

## Compatibility issues with FortiOS 5.4.10

The following table lists interoperability issues that have been identified with FortiManager version 5.4.5 and FortiOS 5.4.10.

Bug ID	Description
508337	FortiManager cannot edit the following configurations for replacement message: system replacemsg mail "email-decompress-limit" system replacemsg mail "smtp-decompress-limit" system replacemsg nntp "email-decompress-limit"

## Compatibility issues with FortiOS 5.4.9

The following table lists interoperability issues that have been identified with FortiManager version 5.6.3 and FortiOS 5.4.9.

Bug ID	Description
486592	FortiManager may report verification failure on the following attributes for RADIUS users: rso-endpoint-attribute rso-endpoint-block-attribute sso-attribute

## Compatibility issues with FortiOS 5.4.8

The following table lists interoperability issues that have been identified with FortiManager version 5.4.4 and FortiOS 5.4.8.

Bug ID	Description
469700	FortiManager is missing three wtp-profiles: FAP221E, FAP222E, and FAP223E.

## Compatibility issues with FortiOS 5.2.10

The following table lists interoperability issues that have been identified with FortiManager version 5.4.1 and FortiOS 5.2.10.

Bug ID	Description
397220	FortiOS 5.2.10 increased the maximum number of the firewall schedule objects for 1U and 2U+ appliances. As a result, a retrieve may fail if more than the maximum objects are configured.

## Compatibility issues with FortiOS 5.2.7

The following table lists interoperability issues that have been identified with FortiManager version 5.2.6 and FortiOS 5.2.7.

Bug ID	Description
365757	Retrieve may fail on LDAP User Group if object filter has more than 511 characters.
365766	Retrieve may fail when there are more than 50 portals within a VDOM.
365782	Install may fail on system global optimize or system fips-cc entropy-token.

## Compatibility issues with FortiOS 5.2.6

The following table lists interoperability issues that have been identified with FortiManager version 5.2.4 and FortiOS 5.2.6.

Bug ID	Description
308294	1) New default wtp-profile settings on FOS 5.2.6 cause verification errors during installation. 2) FortiManager only supports 10,000 firewall addresses while FortiOS 5.2.6 supports 20,000 firewall addresses.

## Compatibility issues with FortiOS 5.2.1

The following table lists interoperability issues that have been identified with FortiManager version 5.2.1 and FortiOS version 5.2.1.

Bug ID	Description
262584	When creating a VDOM for the first time it fails.
263896	If it contains the certificate: <code>Fortinet_CA_SSLProxy</code> or <code>Fortinet_SSLProxy</code> , <code>retrieve</code> may not work as expected.

## Compatibility issues with FortiOS 5.2.0

The following table lists known interoperability issues that have been identified with FortiManager version 5.2.1 and FortiOS version 5.2.0.

Bug ID	Description
262584	When creating a VDOM for the first time it fails.
263949	Installing a VIP with port forwarding and ICMP to a 5.2.0 FortiGate fails.

Bug ID	Description
230199	FortiManager allows the creation of a new FAP-320C WTP profile on a FortiOS 5.0.5 device causing the install to fail. FAP-320C is new for FortiOS 5.0.6.

Bug ID	Description
226064	Attempting to install time zones 79 and 80 fails. These time zones were added in FortiOS 5.0.5.
226078	When the password length is increased to 128 characters, the installation fails.
226098	When installing a new endpoint-control profile, installation verification fails due to default value changes in FortiOS 5.0.5.
226102	If DHCP server is disabled, installation fails due to syntax changes in FortiOS 5.0.5.
226203	Installation of address groups to some FortiGate models may fail due to table size changes. The address group table size was increased in FortiOS 5.0.5.
226236	The <code>set dedicated-management-cpu enable</code> and <code>set user-anonymize enable</code> CLI commands fail on device install. These commands were added in FortiOS 5.0.5.
230199	FortiManager allows the creation of a new FAP-320C WTP profile on a FortiOS 5.0.4 device causing the install to fail. FAP-320C is new for FortiOS 5.0.6.

# Resolved Issues

The following issues have been fixed in 5.6.7. For inquiries about a particular bug, please contact [Customer Service & Support](#).

## AP Manager

Bug ID	Description
494971	FortiAPs are not displayed in the AP Manager Map View after upgraded from 5.4 to 5.6.
525746	AP Manager cannot display imported SSIDs.

## Device Manager

Bug ID	Description
495195	Dedicated HA management interface should not have VDOM assigned.
500410	FortiManager GUI should allow configuring Phase 2 Selector Local and Destination addresses with an IPv6 type with subnet, range, IP, or name.
500708	When FortiManager is in advanced mode and FortiGate has multiple VDOMs, FortiManager cannot delete the device.
505576	B0196: After installing the policy package, device db status changed to <i>Modified</i> .
506163	Device Manager GUI no longer displays interface zone members following upgrade.
506697	Under HA's Port monitor, we should be able to see all port-monitored interfaces, such as aggregated, loopback, or VALN interface.
508810	Administrative Distance is missing for Static Route with Destination set as Named Address.
510929	GUI import wizard should display "Renamed Objects" before importing objects.
511256	Policy Package status should show as modified after changes in web filter profile.
513653	Using reserved port 162 cause Device Manager to crash affecting various services.
516789	Fabric Connector for VMWare NSX does not import any object and display the error message, "Internal Error", with NSX version 6.3.3.
517054	When editing Interface mapping on device with Internet Explorer, instead of showing available interfaces, system displays string, <code>{{item.key}}</code> .

Bug ID	Description
517235	Device Manager's System DHCP Server Lease Time is not editable via GUI.
518680	IP Pool is not imported due to error creating mapping.
518984	Clusters members should show consistent results in Dashboard and Device Settings.
519229	When using workspace mode, modification to device group is not recognized as a change.
524752	IPS custom signature using protocol type "icmp" is valid in FortiOS syntax and therefore should be able to import into FortiManager.

## Global ADOM

	Description
502330	Assign or un-assign of global Policy Package does not work.

## Policy and Objects

Bug ID	Description
407328	Policy data is not refreshed automatically when editing objects in policy.
434611	Policy check should detect policies with "none" objects and report them as a specific category under Policy Consistency Check.
463920	Address search no longer supports highlighting for all the addresses in address groups.
478907	Column Search should have the contain option.
499053	Section View should be available for proxy policies.
500069	DOS Policy Anomaly configuration settings are missing the Quarantine, Quarantine-Expiry and Quarantine-Log options.
500699	Profile group cannot be changed to none.
510641	Edit policy and click OK. The table scrolls back to top.
516530	After upgrade, policy install's copy operation is very slow and consume high CPU resource.
515932	Disabling two-factor for user does not delete the token's SN from the object causing copy to fail.
517232	The "Negate Cell" option should be displayed on FortiManager only if it is on FortiGate.

Bug ID	Description
517261	FortiManager returns "Object does not exist" message when trying to delete a policy package.
518949	When exporting a Policy Package using CSV, it does not include Footer policies.
519188	RADIUS VSA attributes can be used to gain read-write access to all ADOMs.
522440	FortiManager should support the IPS signature syntax, "--icmp.type !=".

## Revision History

Bug ID	Description
439512	FortiManager attempts to delete user groups that are used only under system admin, if not defined in the management VDOM.
511580	After upgrade, install may fail on web filtering profile.
511753	FortiManager should detect correctly the device with more than one power supply to have "power-supply-failure" SNMP event available for configuration.
513425	Revision cannot be deleted from database causing issues with installation preview, install, or retrieve.
518756	When "vdom-netflow" is disabled, FortiManager should not push any collector-ip and source-ip settings to FortiGate.
519719	When configuring FortiAnalyzer setting, the five minutes upload option cannot be configured and pushed to FortiGate.

## Script

Bug ID	Description
471553	FortiManager has issue to handle TCL script with address group members' name that contain space character.
486445	Scheduled TCL scripts fail when executed against a single device, multiple devices, or a Device Group.
519108	Scheduled Remote CLI Scripts may stuck at 1%.

## Services

Bug ID	Description
501467	Application fdgsrv crashes server times per day – parseFragment: url index out of range.
507674	The 'fmgd' daemon may crash for multiple times with signal 11.
519487	FortiGate fails to receive FortiGuard updates from FortiManager when ssl-static-key-ciphers is disabled.

## System Settings

Bug ID	Description
413390	FGFM connection flapping when FortiGate is moved to another ADOM.
483229	Locking ADOM on HA's secondary device will lock the primary's ADOM and it cannot be unlocked.
516158	FortiManager should not add domain-filter syntax during ADOM upgrade.
520548	It should be possible to close the pop up window and see current number of successful tasks the for the policy assignment of a global package.
522713	ADOM upgrade may stuck at 5%.
524202	Upgrading Global Database removes all ADOMs from policy package Assignment section.

## VPN Manager

Bug ID	Description
497179	The Monitor in the VPN Manager does not respect the units when sorting by incoming or outgoing Data.
5233639	VPN Manager Monitor page Stuck loading for 5.6 ADOM.

## Others

Bug ID	Description
503915	Users may not be able to change device's password via JSON APIs.



Bug ID	Description
512410	The showconf file is not deleted on the master FortiManager causing the /tmp directory to fill up and retrieves to fail.
512705	FortiGate's admin password may be shown in clear when using XML APIs.
514656	The SNMP OID, "hrStorageUsed", may report incorrect value.
522779	Secured backups fail due to issue with the SSH certificate.

## Common Vulnerabilities and Exposures

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

Bug ID	Description
464795	FortiManager 5.6.7 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2017-17541</li></ul>
468740	FortiManager 5.6.7 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2018-1351</li></ul>
473644	FortiManager 5.6.7 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2018-1354</li></ul>
474994	FortiManager 5.6.7 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none"><li>• CVE-2018-1355</li></ul>

# Known Issues

The following issues have been identified in 5.6.7. For inquiries about a particular bug or to report a bug, please contact [Customer Service & Support](#).

## Others

Bug ID	Description
510625	FortiOS-VM traffic drop when Invalid Response received from FortiManager during license check.
510663	Despite the FDS proxy settings, FortiManager is attempting to connect directly to the productapi.fortinet.com.
526232	The "execute reset hitcount" command tries to reset the hit count on 5.2 ADOMs, which do not exist, and returns an error.

# Appendix A - FortiGuard Distribution Servers (FDS)

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

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

## FortiGuard Center update support

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

Platform	Version	Antivirus	AntiSpam	Vulnerability Scan	Software
FortiClient (Windows)	<ul style="list-style-type: none"><li>• 5.0.0 and later</li><li>• 5.2.0 and later</li><li>• 5.4.0 and later</li><li>• 5.6.0 and later</li></ul>	✓		✓	
FortiClient (Windows)	<ul style="list-style-type: none"><li>• 4.3.0 and later</li></ul>	✓			
FortiClient (Windows)	<ul style="list-style-type: none"><li>• 4.2.0 and later</li></ul>	✓	✓		✓
FortiClient (Mac OS X)	<ul style="list-style-type: none"><li>• 5.0.1 and later</li><li>• 5.2.0 and later</li><li>• 5.4.0 and later</li><li>• 5.6.0 and later</li></ul>	✓		✓	
FortiMail	<ul style="list-style-type: none"><li>• 4.2.0 and later</li><li>• 4.3.0 and later</li><li>• 5.0.0 and later</li><li>• 5.1.0 and later</li><li>• 5.2.0 and later</li></ul>	✓	✓		
FortiSandbox	<ul style="list-style-type: none"><li>• 1.2.0, 1.2.3</li><li>• 1.3.0</li><li>• 1.4.0 and later</li></ul>	✓			

Platform	Version	Antivirus	AntiSpam	Vulnerability Scan	Software
FortiWeb	<ul style="list-style-type: none"><li>• 5.0.6</li><li>• 5.1.4</li><li>• 5.2.0 and later</li><li>• 5.3.0</li></ul>	✓			

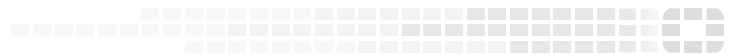


To enable FortiGuard Center updates for FortiMail version 4.2 enter the following CLI command:

```
config fmupdate support-pre-fgt-43
set status enable
end
```



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