FORTINET

High Performance Network Security

FortiManager - Release Notes

VERSION 5.2.10

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FortiManager 5.2.10 Release Notes

05-5210-402464-20171220

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Change Log

Date	Change Description
2017-01-12	Initial Release.
2017-01-27	Removed the *Compatibility issues with FortiOS 5.2.5 or earlier* section.
2017-05-24	Added *Product Integration & Support* > *FortiOS* > *5.2.11*.
2017-08-21	Added 0380790 to *Known Issues*.
2017-10-23	Added 369270 to *Known Issues*.
2017-12-11	Added 407044 to *Known Issues*.
2017-12-20	Added *Product Integration & Support* > *FortiOS* > *5.2.12 and 5.2.13*.

Introduction

This document provides the following information for FortiManager 5.2.10 build 0786:

- Supported models on page 6
- Special Notices on page 1
- Upgrade Information on page 1
- Product Integration and Support on page 1
- Compatibility with FortiOS Versions on page 1
- Resolved Issues on page 1
- FortiGuard Distribution Servers (FDS) on page 1

For more information on upgrading your device, see the FortiManager 5.2.10 Upgrade Guide.

Supported models

FortiManager version 5.2.10 supports the following models:

FortiManager	FMG-100C, FMG-200D, FMG-300D, FMG-300E, FMG-400C, FMG-400E, FMG-1000C, FMG-1000D, FMG-2000E, FMG-3000C, FMG-3000F, FMG-3900E, FMG-4000D, and FMG-4000E.
FortiManager VM	FMG-VM64, FMG-VM64-AWS, FMG-VM64-HV, FMG-VM64-KVM, and FMG-VM64-XEN (for both Citrix and Open Source Xen).

Special Notices

This section highlights some of the operational changes that administrators should be aware of in 5.2.10.

Deploy FortiManager AWS

Due to the change with Amazon’s services to deploy FortiManager with a longer instance ID, FortiManager is subject to the following restrictions:

- For existing FortiManager AWS instances, FortiManager can be upgraded to the 5.2.10 release.
- To deploy a new FortiManager AWS instance, please deploy FortiManager with the 5.4.2 release.

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.

FortiSandbox Support

Due to technical restriction, FortiManager currently only supports logging and FortiGuard updates for FortiSandbox.

Limitation on backing up and restoring FortiManager’s Database

Users may not be able to back up and restore FortiManager’s database from web GUI when the backup file is 2 GB or larger. For large scale deployments, please back up FortiManager’s database via CLI with FTP, SCP, or SFTP.

SSLv3 on FortiManager-VM64-AWS

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

```
  config system global
set ssl-protocol t1sv1
  end
```

SQL database rebuild

Upgrading the device firmware can trigger an SQL database rebuild. During this time, new logs will not be available until the rebuild is complete. The time required to rebuild the database is dependent on the size of the database. You can use the `diagnose sql status rebuild-db` command to display the SQL log database rebuild status.

The following features will not be available until after the SQL database rebuild has completed: FortiView, Log View, Event Management, and Reports.

Web Portal support

Web Portal is no longer available as it has been replaced by Restricted Admin Profile in version 5.2. Users can still access web portal content via the Web Portal API services.

CLI commands for configuring dynamic objects

In version 5.2, all dynamic objects are consolidated from devices to the ADOM database. For those users who wish to configure a dynamic mapping via a CLI script, the configuration for the mapping must be defined in the dynamic object under the `config dynamic_mapping` sub-tree. Also, the CLI script must be run on policy package instead of the device database. Below are some examples:

Example 1: Dynamic VIP

```
config firewall vip
   edit "vip1"
   …
   config dynamic_mapping
      edit "FW60CA3911000089"-"root"
         set extintf "any"
         set extip 172.18.26.100
         set mappedip 192.168.3.100
         set arp-reply disable
      next
   end
end
```

Example 2: Dynamic Address

```
config firewall address
   edit "address1"
   …
   config dynamic_mapping
      edit "FW60CA3911000089"-"root"
         set subnet 192.168.4.0 255.255.255.0
      next
   end
end
```

Example 3: Dynamic Interface

```
config dynamic interface
…
   config dynamic_mapping
      edit "FW60CA3911000089"-"root"
         set local-intf internal
         set intrazone-deny disable
      next
   end
end
```

ADOM for FortiCarrier

Please note that FortiGate and FortiCarrier devices can no longer be grouped into the same ADOM in FortiManager. FortiCarrier devices should be grouped into a dedicated FortiCarrier ADOM.

After upgrade, FortiCarrier devices will no longer be shown in any of the existing ADOMs. When creating a FortiCarrier ADOM, the FortiCarrier devices will be listed and can be grouped into the ADOM.

ADOM mode must be enabled in order to create a FortiCarrier ADOM and manage FortiCarrier devices.

Update services provided to FortiMail 4.2 devices

Please enable the following option in order to provide update services to FortiMail version 4.2 devices:

```
config fmupdate support-pre-fgt43
   set status enable
end
```

Upgrade Information

Upgrading to FortiManager5.2.10

For information about upgrading your FortiManager device to 5.2.10, see *FortiManager5.2.10 Upgrade Guide*.

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.

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
execute format {disk | disk-ext4}
```

FortiManager VM firmware

Fortinet provides FortiManager VM firmware images for Amazon AWS, 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.

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 Hyper-V Server

- `.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.

VMware ESX/ESXi

- `.out`: Download the 64-bit firmware image to upgrade your existing VM installation.
- `.ovf.zip`: Download 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://wwwfortinet.com/products/fortimanager/virtualappliances.html. VM installation guides are available in the Fortinet Document Library.

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 5.2.10 support

The following table lists 5.2.10 product integration and support information:

Web Browsers	• Microsoft Internet Explorer™ 11.0 • Mozilla Firefox version 50 • Google Chrome version 55 Other web browsers may function correctly, but are not supported by Fortinet. Please make sure your computer's screen resolution is set to at least 1280x1024. Otherwise, web pages may not be displayed properly.
FortiOS/FortiOS Carrier	FortiManager 5.2.10 expects to support the following versions: • 5.2.0 to 5.2.13 • 5.0.4 to 5.0.14 • 4.3.2 to 4.3.18 For the latest information, see FortiOS and FortiManager Compatibility at http://docs.fortinet.com/d/fortimanager-compatibility
FortiAnalyzer	• 5.2.0 and later • 5.0.0 and later
FortiCache	• 3.0.0 to 3.0.8
FortiClient	• 5.2.0 and later • 5.0.4 and later
FortiMail	• 5.2.8 • 5.1.5 to 5.1.6 • 5.0.8 to 5.0.10
FortiSandbox	• 2.3 • 2.1.3 • 1.4.0 and later • 1.3.0 • 1.2.0 and 1.2.3

FortiSwitch ATCA	• 5.0.0 and later • 4.3.0 and later • 4.2.0 and later
FortiWeb	• 5.3.8 • 5.2.4 • 5.1.4 • 5.0.6
Virtualization	• Amazon Web Service AMI, Amazon EC2, Amazon EBS • Citrix XenServer 6.2 • Linux KVM Redhat 6.5 • Microsoft Hyper-V Server 2008 R2, 2012, and 2012 R2 • OpenSource XenServer 4.2.5 **VMware** • ESX versions 4.0 and 4.1 • ESXi versions 4.0, 4.1, 5.0, 5.1, 5.5, and 6.0

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		✓		✓

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

Language support

The following table lists FortiManager language support information.

Language	GUI	Reports	Documentation
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 import language translation files for these languages via the command line interface 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, see the *FortiManager CLI Reference*.

Supported models

The following tables list which FortiGate, FortiCarrier, 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 5.2.10.

Supported FortiGate models

Model	Firmware Version
FortiGate: 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-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 **FortiGate 5000 Series:** FG-5001A, FG-5001A-SW, FG-5001A-LENC, FG-5001A-DW-LENC, FG-5001A-SW-LENC, FG-5001B, FG-5001C, FG-5001D, FG-5101C **FortiGate DC:** FG-80C-DC, FG-310B-DC, FG-600C-DC, FG-620B-DC, FG-621B-DC, FG-800C-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-3950B-DC, FG-3951B-DC **FortiGate Low Encryption:** FG-20C-LENC, FG-40C-LENC, FG-60C-LENC, FG-80C-LENC, FG-100D-LENC, FG-200B-LENC, FG-300C-LENC, FG-620B-LENC, FG-1000C-LENC, FG-1240B-LENC, FG-3040B-LENC, FG-310B-LENC, FG-600C-LENC, FG-3140B-LENC, FG-3810A-LENC, FG-3950B-LENC **FortiWiFi:** 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 **FortiGate Rugged:** FGR-60D, FGR-100C **FortiGate VM:** FG-VM, FG-VM64, FG-VM64-AWS, FG-VM64-AWSONDEMAND, FG-VM64-HV, FG-VM64-KVM, FG-VM64-XEN **FortiSwitch:** FCT-5902D, FS-5203B	5.2

Model	Firmware Version
FortiGate: 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-240D-POE, FG-280D-POE, FG-300C, FG-300D, FG-310B, FG-311B, FG-500D, FG-600C, FG-620B, FG-621B, FG-800C, FG-900D, FG-1000C, FG-1000D, FG-1200D, FG-1240B, FG-1500D, FG-3016B, FG-3040B, FG-3100D, FG-3140B, FG-3200D, FG-3240C, FG-3600C, FG-3700D, FG-3810A, FG-3950B, FG-3951B, FGT-3000D **FortiGate 5000 Series:** FG-5001A, FG-5001A-SW, FG-5001A-LENC, FG-5001A-DW-LENC, FG-5001A-SW-LENC, FG-5001B, FG-5001C, FG-5001D, FG-5101C **FortiGate DC:** FG-80C-DC, FG-310B-DC, FG-600C-DC, FG-620B-DC, FG-621B-DC, FG-800C-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-3815D-DC, FG-3950B-DC, FG-3951B-DC **FortiGate Low Encryption:** 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 **FortiWiFi:** 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-POE, FWF-60D-3G4G-VZW, FG-70D-POE, FWF-80CM, FWF-81CM, FWF-90D, FWF-90D-POE, FWF-92D **FortiGate Rugged:** FGR-60D, FGR-90D, FGR-100C **FortiGateVoice:** FGV-40D2, FGV-70D4 **FortiGate VM**: FG-VM, FG-VM64, FG-VM64-AWS, FG-VM64-AWSONDEMAND, FG-VM64-Azure, FG-VM64-HV, FG-VM64-KVM, FG-VM64-XEN **FortiSwitch:** FS-5203B, FCT-5903C, FCT-5913	5.0

Model	Firmware Version
FortiGate: FG-20C, FG-20C-ADSL-A, FG-30B, FG-40C, FG-50B, FG-51B, FG-60B, FG-60C, FG-60C-POE, FG-60C-SFP, FG-80C, FG-80CM, FG-82C, FG-100A, FG-100D, FG-110C, FG-111C, FG-200A, FG-200B, FG-200B-POE, FG-224B, FG-300A, FG-300C, FG-310B, FG-311B, FG-400A, FG-500A, FG-600C, FG-620B, FG-621B, FG-800, FG-800C, FG-800F, FG-1000A, FG-1000AFA2, FG-1000C, FG-1240B, FG-3016B, FG-3040B, FG-3140B, FG-3240C, FG-3600, FG-3600A, FG-3810A, FG-3950B, FG-3951B **FortiGate 5000 Series:** FG-5001, FG-5001A, FG-5001A-SW, FG-5001A-LENC, FG-5001A-DW-LENC, FG-5001A-SW-LENC, FG-5001B, FG-5001C, FG-5001FA2, FG-5001FA2-LENC, FG-5002A, FG-5002A-LENC, FG-5002FB2, FG-5005FA2, FG-5005FA2-2G, FG-5005FA2-4G, FG-5101C **FortiGate DC:** FG-80C-DC, FG-300C-DC, FG-310B-DC, FG-620B-DC, FG-600C-DC, FG-621B-DC, FG-800C-DC, FG-1000C-DC, FG-1240B-DC, FG-3040B-DC, FG-3140B-DC, FG-3240C-DC, FG-3810A-DC, FG-3950B-DC, FG-3951B-DC **FortiGate Low Encryption:** FG-20C-LENC, FG-40C-LENC, FG-50B-LENC, FG-51B-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-1000A-LENC, FG-1000C-LENC, FG-1240B-LENC, FG-3040B-LENC, FG-3140B-LENC, FG-3810A-LENC, FG-3950B-LENC, FG-5001FA2-LENC, FG-5002A-LENC **FortiWiFi:** FWF-20C, FWF-20C-ADSL-A, FWF-30B, FWF-40C, FWF-50B, FWF-60B, FWF-60C, FWF-60CM, FWF-60CM-3G4G-B, FWF-60CX-ADSL-A, FWF-80CM, FWF-81CM **FortiGate Rugged:** FGR-100C **FortiGate One:** FG-ONE **FortiGate VM:** FG-VM, FG-VM64, FG-VM64-XEN, FG-VMX **FortiSwitch:** FS-5203B	4.3

Supported FortiCarrier models

Model	Firmware Version
FortiCarrier: FCR-3240C, FCR-3600C, FCR-3810A, FCR-3950B, FCR-3951B, FCR-5001A, FCR-5001B, FCR-5001C,FCR-5001D, FCR-5101C **FortiCarrier DC:** FCR-3240C-DC, FCR-3600C-DC, FCR-3810A-DC, FCR-3950B-DC, FCR-3951B-DC **FortiCarrier Low Encryption:** FCR-5001A-DW-LENC **FortiCarrier VM:** FCR-VM, FCR-VM64	5.2
FortiCarrier: FCR-3240C, FCR-3600C, FCR-3810A, FCR-3950B, FCR-3951B, FCR-5001A, FCR-5001B, FCR-5001C, FCR-5101C **FortiCarrier DC:** FCR-3240C-DC, FCR-3600C-DC, FCR-3810A-DC, FCR-3950B-DC, FCR-3951B-DC **FortiCarrier Low Encryption:** FCR-5001A-DW-LENC **FortiCarrier VM:** FCR-VM, FCR-VM64	5.0
FortiCarrier: FCR-3810A, FCR-3950B, FCR-3951B, FCR-5001, FCR-5001A, FCR-5001B, FCR-5001FA2, FCR-5005FA2, FCR-60B, FCR-60C **FortiCarrier DC:** FCR-3810A-DC, FCR-3950B-DC, FCR-3951B-DC **FortiCarrier Low Encryption:** FCR-5001A-DW-LENC	4.3

Supported FortiAnalyzer models

Model	Firmware Version
FortiAnalyzer: FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400C, FAZ-400E, FAZ-1000C, FAZ-1000D, FAZ-1000E, FAZ-2000B, FAZ-2000E, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, FAZ-3900E, FAZ-4000B **FortiAnalyzer VM:** FAZ-VM, FAZ-VM64, FAZ-VM64-HV	5.2
FortiAnalyzer: FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400B, FAZ-400C, FAZ-1000B, FAZ-1000C, FAZ-1000D, FAZ-2000A, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3500E, FAZ-4000A, FAZ-4000B **FortiAnalyzer VM:** FAZ-VM, FAZ-VM64, FAZ-VM64-AWS, FAZ-VM64-HV	5.0

Supported FortiMail models

Model	Firmware Version
FortiMail: FE-200D, FE-400C, FE-1000D, FE-2000B, FE-3000C, FE-3000D, FE-5002B **FortiMail VM:** FE-VM64, FE-VM64-HV, FE-VM64-XEN	5.2
FortiMail: FE-100C, FE-200D, FE-400B, FE-400C, FE-1000D, FE-2000B, FE-3000C, FE-3000D, FE-5001A, FE-5002B **FortiMail VM:** FE-VM64	5.1
FortiMail: FE-100C, FE-200D, FE-400B, FE-400C, FE-1000D, FE-2000A, FE-2000B, FE-3000C, FE-3000D, FE-4000A, FE-5001A, FE-5002B **FortiMail VM:** FE-VM64	5.0

Supported FortiSandbox models

Model	Firmware Version
FortiSandbox: FSA-3000E	2.3
FortiSandbox: FSA-1000D, FSA-3000D, FSA-3500D **FortiSandbox VM:** FSA-VM	2.1 1.4
FortiSandbox: FSA-1000D, FSA-3000D	1.3 1.2

Supported FortiSwitch ATCA models

Model	Firmware Version
FortiSwitch-ATCA: FS-5003A, FS-5003B **FortiController:** FTCL-5103B, FTCL-5903C, FTCL-5913C	5.0
FortiSwitch-ATCA: FS-5003A, FS-5003B	4.3 4.2

Supported FortiWeb models

Model	Firmware Version
FortiWeb: FWB-400B, FWB-400C, FWB-1000B, FWB-1000C, FWB-1000D, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-4000C, FWB-4000D **FortiWeb VM:** FWB-VM64	5.3
FortiWeb: FWB-400B, FWB-400C, FWB-1000B, FWB-1000C, FWB-1000D, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-4000C, FWB-4000D **FortiWeb VM:** FWB-VM64	5.2 5.1 5.0

Supported FortiCache models

Model	Firmware Version
FortiCache: FCH-400C, FCH-1000C, FCH-1000D, FCH-3000C, FCH-3000D **FortiCache VM:** FCH-VM64	3.0 and later

Resolved Issues

The following issues have been fixed in 5.2.10. For inquires about a particular bug, please contact Customer Service & Support.

Device Manager

366436	Users may not be able to change FortiGate’s admin password from FortiManager if password has expired on FortiGate.
391166	Users may not be able to create a new admin user on the managed FortiGate when password policy is enabled.
392255	Incorrect subnet masks may be accepted for a static route.
366726	Users may not be able to change FortiGate’s HA device sequence with FortiOS 5.2.7.
397220	A retrieve from FortiOS may fail if the maximum number of firewall schedule objects is configured.
389258	FortiManager may not display all Proposal Encryption or Authentication algorithms for IPSec Phase 1 in Device Manager.

Policy and Objects

Bug ID	Description
363970	Users may not be able to view the result for Policy Consistency Check.
377913	The configuration, `tertiary-secret`, of a radius server may not be installed to FortiGate.
386768	Users may not be able to edit an object with the object name contains a trailing *\t* character.
392453	Cloned Virtual IP objects may get incorrect ID for dynamic mapping.

Revision History

Bug ID	Description
302371	Installation may fail when FortiManager tries to set built-in certificate's password.
385815	Settings with password may cause installation failure for FIPS devices.
385924	Installation to FortiGate 5.2.5 devices may fail because of wireless-controller wtp-profile.
386235	A restricted admin, who manages a list of VDOMs, may not be able to install changes to FortiGate.
400844	Installing associate-interface may trigger a copy fail.
401369	Installation may fail if VAP interface is being used.

Script

Bug ID	Description
388531	Script execution history may show unencrypted password of a FortiGate admin.

VPN Manager

Bug ID	Description
387573	FortiManager may not allow the same PeerID or LocalID within IPSec Phase 1 interface.

System Settings

Bug ID	Description
296680	Device registration may fail due to SSL Fragmentation on TCP port 541.
384357	Unsupported ADOM version may exist.
391022	End of Daylight Savings time zone for Turkey/Istanbul GMT +3.

Bug ID	Description
393255	The *rpc-permit* setting of default admin may be changed to *read-write* after a reboot.
394723	An administrator should not be able to install a policy when the privilege to *Install to Devices* is set to *Read Only*.

Services

Bug ID	Description
381536	AV PUSH updates may not get sent to FortiMail.
385925	Users may not be able to disable TLSv1 for FortiGuard Services.

Others

Bug ID	Description
393295	The command `diagnose cdb check adom-integrity` may modify the `ALL_ICMP` service object.
393965	It may be slow to load FortiManager main page upon login.
396074	After running the `diagnose cdb check adom-integrity` command, FortiManager may install an empty policy package to FortiGate if workspace mode is enabled.
389137	Port 8900 and 8901 may be open without being in use.
399646	FortiManager may intermittently lose connectivity to SLBC clusters.

Common Vulnerabilities and Exposures

Bug ID	Description
389255	FortiManager 5.2.10 is no longer vulnerable to the following CVE-References: • 2016-6304 • 2016-6305 • 2016-2183 • 2016-6303 • 2016-6302 • 2016-2182 • 2016-2180 • 2016-2177 • 2016-2178 • 2016-2179 • 2016-2181 • 2016-6306 • 2016-6307 • 2016-6308 Visit https://fortiguard.com/psirt for more information.
389615	FortiManager 5.2.10 is no longer vulnerable to the following CVE-References: • 2016-6309 • 2016-7052 Visit https://fortiguard.com/psirt for more information.
390355	FortiManager 5.2.10 is no longer vulnerable to the following CVE-Reference: • 2016-6153 Visit https://fortiguard.com/psirt for more information.
395427	FortiManager 5.2.10 is no longer vulnerable to the following CVE-Reference: • 2004-0230 Visit https://fortiguard.com/psirt for more information.
399178	Security hardening: admin with Read-only/None access should not get any other admin’s hashed password.
401614	FortiManager 5.2.10 is no longer vulnerable to the following CVE-Reference: • 2012-6704 Visit https://fortiguard.com/psirt for more information.
402095	FortiManager 5.2.10 is no longer vulnerable to the following CVE-References: • 2016-10011 • 2016-10009 Visit https://fortiguard.com/psirt for more information.

Known Issues

The following issues have been identified in 5.2.10. For inquires about a particular bug or to report a bug, please contact Customer Service & Support.

Others

Bug ID	Description
0380790	Linefeed code in PAC File for ExplictProxy is getting changed from "CR LF" to "LF"
407044	Autobackup caused "system global" in device DB has 2 entry

FortiAnalyzer Features/Log

Bug ID	Description
369270	FMG secondary unit may stop receiving FGT logs after changing device name **Workaround**: Restart oftpd on FMG secondary unit by using the `dia test application oftpd 99` command. After oftpd restarts, oftp connections can be established, and FMG secondary unit can receive logs again from the FGT.

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)	• 5.0.0 and later • 5.2.0 and later	✓		✓	
FortiClient (Windows)	• 4.3.0 and later	✓			
FortiClient (Windows)	• 4.2.0 and later	✓	✓		✓
FortiClient (Mac OS X)	• 5.0.1 and later • 5.2.0 and later	✓		✓	
FortiMail	• 4.2.0 and later • 4.3.0 and later • 5.0.0 and later • 5.1.0 and later • 5.2.0 and later	✓	✓		
FortiSandbox	• 1.2.0, 1.2.3 • 1.3.0 • 1.4.0 and later	✓			

Platform	Version	Antivirus	AntiSpam	Vulnerability Scan	Software
FortiWeb	• 5.0.6 • 5.1.4 • 5.2.0 and later • 5.3.0	✓			

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
```

High Performance Network Security