

FortiAnalyzer Release Notes

VERSION 5.2.5

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FortiAnalyzer 5.2.5 Release Notes

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Change Log

Date	Change Description
2016-01-19	Initial Release.
2016-01-25	Updated the Upgrade Information section; updated FortiMail support information
2016-02-22	Removed Russian from language support
2016-02-23	Removed Hebrew and Hungarian from language support
2016-05-30	Updated the URL in resolved issue 306545
2017-02-01	Updated to add a special notice about Forward Compatibility with FortiOS 5.2.8 and Later.

Introduction

This document provides the following information for FortiAnalyzer version 5.2.5 build 3175 with branch point 738:

- · Supported models
- Introduction
- Special Notices
- Upgrade Information
- Product Integration and Support
- Resolved Issues
- Known Issues

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

Supported models

FortiAnalyzer version 5.2.5 supports the following models:

FortiAnalyzer	FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400C, FAZ-1000C, FAZ-1000D, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3500E, FAZ-3900E, and FAZ-4000B.
FortiAnalyzer VM	FAZ-VM32, FAZ-VM64, FAZ-VM64-HV, FAZ-VM64-XEN (Citrix XenServer and Open Source Xen), FAZ-VM64-KVM, and FAZ-VM64-AWS.

Special Notices

This section highlights some of the operational changes that administrators should be aware of in FortiAnalyzer version 5.2.5.

Forward Compatibility with FortiOS 5.2.8 and Later

Due to log field changes, FortiAnalyzer 5.2.5 is compatible with FortiOS/FortiOS Carrier 5.2.8 and later, but with possible interoperability issues. For full support, please upgrade to latest release of FortiAnalyzer.

Manually Starting LVM Service

If FortiAnalyzer does not have a valid Logical Volume Management (LVM) configuration, LVM service will not start on boot-up when the disk already contains data. Users will need to run execute lvm start to enable the service.

Hyper-V FortiManager-VM running on an AMD CPU

A Hyper-V FMG-VM running on a PC with an AMD CPU may experience a kernel panic. Fortinet recommends running VMs on an Intel based PC.

SSLv3 on FortiAnalyzer-VM64-AWS

Due to known vulnerabilities in the SSLv3 protocol, FortiAnalyzer-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
```

Limited support for remote SQL database

Starting with FortiAnalyzer software versions 5.0.7 and 5.2.0, remote SQL database support will only cover the insertion of log data into the remote MySQL database. Historical log search and reporting capabilities, which rely on the remote SQL data, will no longer be supported.

Those wishing to use the full set of FortiAnalyzer features are encouraged to switch as soon as possible to storing SQL data locally on the FortiAnalyzer. The local database can be built based upon existing raw logs already stored on the FortiAnalyzer.

SQL database rebuild Special Notices

SQL database rebuild

FortiAnalyzer 5.2.2 can receive new logs during SQL database rebuild.

FortiView, Log View, Event Management, and Reports are also available. However, all scheduled reports are skipped. It is recommended to generate reports only after finishing the database rebuilding process.

Device log settings

In version 5.2.1 and later you can configure local device logging in the GUI.

Log Array relocation

Log Array has been relocated to Log View under the FortiView module from the Device Manager module.

Log Arrays, devices, and VDOMs

In version 5.0.6 or earlier, when creating a Log Array with both devices and VDOMs, you need to select each device and VDOM to add it to the Log Array. In version 5.2.0 or later, when selecting to add a device with VDOMs, all VDOMs are automatically added to the Log Array.

Report grouping

If you are running a large number of reports which are very similar, you can significantly improve report generation time by grouping the reports. Report grouping can reduce the number of hcache tables and improve auto-hcache completion time and report completion time.

Step 1: Configure report grouping

To group reports whose titles contain the string Security_Report and are grouped by device ID and VDOM, enter the following CLI commands:

```
config system report group
  edit 0
    set adom root
    config group-by
    edit devid
    next
    edit vd
    next
end
set report-like Security_Report
next
```

end

Notes:

- 1. The report-like field is the name pattern of the report that will utilize the report-group feature. This string is case-sensitive.
- 2. The group-by value controls how cache tables are grouped.
- **3.** To see a listing of reports and which ones have been included in the grouping, enter the following CLI command: execute sql-report list-schedule <ADOM>

Step 2: Initiate a rebuild of hcache tables

To initiate a rebuild of hcache tables, enter the following CLI command:

```
diagnose sql rebuild-report-hcache <start-time> <end-time>
```

Where <start-time> and <end-time> are in the format: <yyyy-mm-dd hh:mm:ss>.

Step 3: Perform an hcache-check for a given report

Perform an heache-check for a given report to ensure that the heache tables exactly match the start and end time frame for the report time period. Enter the following CLI command:

```
execute sql-report hcache-check <adom> <report id> <start-time> <end-time>
```

If you do not run this command, the first report in the report group will take a little longer to run. All subsequent reports in that group will run optimally.

Generate reports during the database rebuild

After FortiAnalyzer is upgraded, the system may need to rebuild databases due to schema changes. Please note that the ability to generate accurate reports will be affected until the rebuild is complete.

Special characters in report name

FortiAnalyzer version 5.2 does not support the following special characters in report's name:

```
\ / ' " > < & , |
```

If you wish to import a report, please make sure the above special characters are not used. Otherwise, FortiAnalyzer may not display the name properly.

Required changes to dataset

Due to database schema changes in version 5.2, the following rules must be followed by any existing or new datasets:

If your dataset references any IP related data, such as <code>srcip</code> or <code>dstip</code>, please use the <code>ipstr('...')</code> function to convert an IP address for proper display. For example, <code>ipstr('srcip')</code> returns the source IP in a string.

FortiAnalyzer VM Special Notices

The column, status, has been changed to action. Please replace status with action in dataset query for proper status.

FortiAnalyzer VM

In VM environments, upgrade your VM server to latest stable update and patch release offered by the VM host server provider before installing or upgrading FortiAnalyzer VM.

Pre-processing logic of ebtime

Logs with the following conditions met are considered usable for the calculation of estimated browsing time:

Traffic logs with logid of 13 or 2, when logid == 13, hostname must not be empty. The service field should be either HTTP, 80/TCP or 443/TCP.

If all above conditions are met, then <code>devid</code>, <code>vdom</code>, and <code>user</code> (<code>srcip</code> if <code>user</code> is empty) are combined as a key to identify a user. For time estimation, the current value of <code>duration</code> is calculated against history session start and end time, only un-overlapped part are used as the <code>ebtime</code> of the current log.

In version 5.0.5 or later, Explicit Proxy logs (logid=10) are checked when calculating the estimated browsing time.

FortiAnalyzer VM license check

As a part of the license validation process FortiAnalyzer VM compares its IP addresses with the IP information in the license file. If the IP addresses do not match, FortiAnalyzer VM returns the error IP does not match within CLI command get system status output. If a new license has been imported or the FortiAnalyzer VM's IP address has been changed, the FortiAnalyzer VM must be manually rebooted in order for the system to validate the change and operate with a valid license.

Extended UTM log for Application Control

Upon upgrading to version 5.2.5, the application control log is not visible until you enable the extended UTM log in the FortiOS CLI.

To enable extended UTM log, use the following CLI command:

```
config application list
  edit <name>
    set extended-utm-log enable
end
```

ConnectWise Management Services Platform (MSP) support

ConnectWise Management Services Platform (MSP) is not supported in version 5.2.

Distributed upgrades

For Collector/Analyzer architecture upgrades, Fortinet recommends upgrading the Analyzer first.



Upgrading the Collector first could impact the Analyzer's performance.

Upgrade Information

Upgrading to FortiAnalyzer 5.2.5

You can upgrade FortiAnalyzer 5.0.6 or later directly to 5.2.5.If you are upgrading from 5.0.5 or earlier, you will need to upgrade to FortiAnalyzer 5.0.6 first.

For details about upgrading your FortiAnalyzer, see *FortiAnalyzer 5.2.5 Upgrade Guide*.

Downgrading to previous versions

FortiAnalyzer 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}
```

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. To verify the integrity of the download, select the *Checksum* link next to the *HTTPS* download link. A dialog box will be displayed with the image file name and checksum code. Compare this checksum with the checksum of the firmware image.

FortiAnalyzer VM firmware

Fortinet provides FortiAnalyzer VM firmware images for Amazon AWS, Microsoft Hyper-V Server, and VMware ESX/ESXi virtualization environments.

Amazon Web Services

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

Citrix XenServer and Open Source XenServer

- .out: Download the 64-bits firmware image to upgrade your existing FortiAnalyzer VM installation.
- .out.OpenXen.zip: Download the 64-bits package for a new FortiAnalyzer VM installation. This package contains the QCOW2 file for the Open Source Xen Server.

SNMP MIB files Upgrade Information

• .out.CitrixXen.zip: Download the 64-bits package for a new FortiAnalyzer VM installation. This package contains the Citrix XenServer Disk (VHD), and OVF files.

Linux KVM

- .out: Download the 64-bits firmware image to upgrade your existing FortiAnalyzer VM installation.
- .out.kvm.zip: Download the 64-bits package for a new FortiAnalyzer 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 FortiAnalyzer VM installation.
- .hyperv.zip: Download the package for a new FortiAnalyzer VM installation. This package contains a Virtual Hard Disk (VHD) file for Microsoft Hyper-V Server.

VMware ESX/ESXi

- .out: Download either the 32-bit or 64-bit firmware image to upgrade your existing VM installation.
- .ovf.zip: Download either the 32-bit or 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.

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 FortiAnalyzer v5.00 file folder.

Product Integration and Support

FortiAnalyzer version 5.2.5 support

The following table lists FortiAnalyzer version 5.2.5 product integration and support information:

Web browsers	 Microsoft Internet Explorer version 11 Mozilla Firefox version 40 Google Chrome version 45 Other web browsers may function correctly, but are not supported by Fortinet.
FortiOS/FortiOS Carrier	 5.2.0–5.2.7 See Forward Compatibility with FortiOS 5.2.8 and Later on page 7. 5.0.0 and later 4.3.2 and later
FortiAnalyzer	5.2.0 and later5.0.0 and later
FortiCache	• 3.0.0 and later
FortiClient	5.2.0 and later5.0.4 and later
FortiMail	5.2.4–5.2.75.1.55.0.8
FortiManager	5.2.0 and later5.0.0 and later
FortiSandbox	• 1.4.0 and later
FortiWeb	5.3.75.2.45.1.45.0.6
Syslog	Standard syslog

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



Always review the Release Notes of the supported platform firmware version before upgrading your Fortinet device.

Feature support

The following table lists FortiAnalyzer feature support for log devices.

Feature support per platform

Platform	Log View	FortiView	Event Management	Reports
FortiGate	•	•	•	•
FortiCarrier	✓	•	•	✓
FortiAnalyzer	•		~	
FortiCache	✓		•	~
FortiClient	~			
FortiMail	✓		•	~
FortiManager	~		~	
FortiSandbox	✓		•	
FortiWeb	~		~	✓
Syslog	•		•	

Language support

The following table lists FortiAnalyzer language support information.

Language support

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

To change the FortiAnalyzer 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:

For more information, see the FortiAnalyzer CLI Reference.

Supported models

The following tables list which FortiGate, FortiCarrier, FortiAnalyzer, FortiMail, FortiManager, FortiWeb, FortiCache, and FortiSandbox models and firmware versions can log to a FortiAnalyzer appliance running version 5.2.5. Please ensure that the log devices are supported before completing the upgrade.

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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-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, 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-620B, FG-621B, FG-800C, FG-1000C, FG-1000D, FG-1200D, FG-1240B, FG-1500D, FG-3016B, FG-3040B, FG-3140B, FG-3200D, FG-3240C, FG-3600C, FG-3700D, FG-3700DX, FG-3810A, FG-3810D, 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-300C-DC, FG-310B-DC, FG-600C-DC, FG-620B-DC, FG-621B-DC, FG-800C-DC, FG-1000C-DC, FG-1240B-DC, FG-3040B-DC, FG-3140B-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-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-HV, FG-VM64-KVM, FG-VM64-XEN

FortiSwitch: FCT-5902D, FS-5203B

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-80CM, FG-80DM, 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, 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-1000C, FG-1000D, FG-1200D, FG-1240B, FG-1500D, FG-3016B, FG-3040B, 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-300C-DC, FG-310B-DC, FG-600C-DC, FG-620B-DC, FG-621B-DC, FG-800C-DC, FG-1000C-DC, FG-1240B-DC, FG-3040B-DC, FG-3140B-DC, FG-3240C-DC, FG-3600C-DC, FG-3700D-DC, FG-3810A-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-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-HV, FG-VM64-KVM, FG-VM64-XEN

FortiSwitch: FS-5203B, FCT-5903C, FCT-5913

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Model Firmware Version

FortiGate: FG-20C, FG-20C-ADSL-A, FG-30B, FG-40C, FG-50B, FG-51B, FG-60B, GG-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-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

FortiSwitch: FS-5203B

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	5.2
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	

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

Supported FortiAnalyzer models

Model	Firmware Version
FortiAnalyzer: FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400C, FAZ-1000C, FAZ-1000D, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3500E, FAZ-3900E, FAZ-4000B	5.2
FortiAnalyzer VM: FAZ-VM32, FAZ-VM64, FAZ-VM64-HV	
FortiAnalyzer: FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400C, FAZ-1000B, FAZ-1000C, FAZ-1000D, FAZ-2000A, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3500E, FAZ-4000A, FAZ-4000B	5.0
FortiAnalyzer VM: FAZ-VM32, FAZ-VM64, FAZ-VM64-AWS, FAZ-VM64-HV	

Supported FortiCache models

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

Supported FortiMail models

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

Supported FortiManager models

Model	Firmware Version
FortiManager: FMG-100C, FMG-200D, FMG-300D, FMG-400C, FMG-1000C, FMG-1000D, FMG-3000C, FMG-3900E, FMG-4000D, FMG-4000E	5.2
FortiManager VM: FMG-VM32, FMG-VM64, FMG-VM64-AWS, FMG-VM64-HV, FMG-VM64-KVM, FMG-VM64-XEN	
FortiManager: FMG-100C, FMG-200D, FMG-300D, FMG-400B, FMG-400C, FMG-1000C, FMG-1000D, FMG-3000B, FMG-3000C, FMG-4000D, FMG-4000E, and FMG-5001A.	5.0
FortiManager VM: FMG-VM32, FMG-VM64, FMG-VM64-HV	

Supported FortiSandbox models

Model	Firmware Version
FortiSandbox: FSA-1000D, FSA-3000D	2.0
FortiSandbox VM: FSA-VM	1.4

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

Resolved Issues

The following issues have been fixed in FortiAnalyzer version 5.2.5. For inquires about a particular bug, please contact Customer Service & Support.

Event Management

Bug ID	Description
284440	There is an invalid Ref Field in the FortiGate Logs.
287216	Event Handlers returns SQL error: duplicated key (Alert ID) when inserting alert_logs.

FortiView

Bug ID	Description
291597	The Application Icons are not displayed in FortiView and Log View.

Logging

Bug ID	Description
288013	FortiAnalyzer returns errors for FortiClient related logs.
286190	Add Last 5 min interval option to the FortiLog Time Interval List.
286804	Search takes longer than expected and may return unexpected results.
291652	The fortilogd may be blocked by slow TCP log forwarding and may stop receiving incoming logs.

Reporting

Bug ID	Description
288326	The "Top 20 Websites by Bandwidth Pie Chart" does not correctly display a pie chart based on the calculated percentage.
291808	Some VDOMs are not displayed under a report's Configuration tab.

Supported models Resolved Issues

Other

Bug ID	Description
306545	Resolved SSH Undocumented Interactive Login Vulnerability. For details, see http://fortiguard.com/advisory/multiple-products-ssh-undocumented-login-vulnerability.
286498	FortiAnalyzer does not backup logs to FTP when using <code>log-file-archive-name</code> extended.
286513	Device Version should be set in the header field of CEF messages.
289066	The fazmaild daemon stops working.

Known Issues

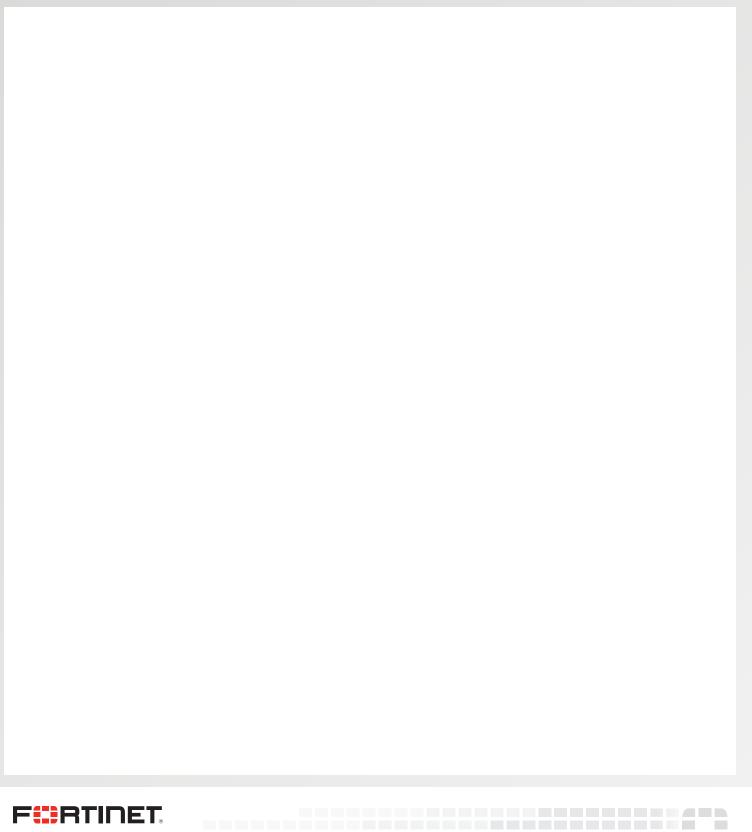
The following issues have been identified in FortiAnalyzer version 5.2.5. For inquires about a particular bug or to report a bug, please contact Fortinet Customer Service & Support.

Logging

Bug ID	Description
288558	When using Internet Explorer 11, and the user is in Log View or the Traffic page, the drop down menu is not displayed correctly.

VM

Bug ID	Description
248166	A Hyper-V FAZ-VM running on a PC with an AMD CPU may experience a kernel panic. Fortinet recommends running VMs on an Intel based PC.





High Performance Network Security

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