FortiCache 4.2.9 Release Notes

Revision 1

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TABLE OF CONTENTS

Introduction

This document provides installation instructions and caveats, resolved issues, and known issues for FortiCache 4.2.9, build 0230. Please review all sections of this document prior to upgrading your device.

For additional documentation, please visit:

http://docs.fortinet.com/forticache/

Support models

The following models are supported on FortiCache 4.2.9, build 0230.

- FortiCache 400C
- FortiCache 400E
- FortiCache 1000C
- FortiCache 1000D
- FortiCache 3000C
- FortiCache 3000D
- FortiCache 3000E
- FortiCache 3000E-LENC
- FortiCache 3900E
- FortiCache VM64 (VMWare)
- FortiCache VM-KVM

Special Notices

Default RAM in VMware model upgraded

Introduced in FortiCache 4.1.0, the default minimum RAM in VMware models is now 1 GB.

TFTP boot process

The TFTP boot process erases all current FortiCache configuration and replaces it with the factory default settings.

Monitor settings for web-based manager access

Fortinet recommends setting your monitor to a screen resolution of 1600x1200. This allows for all the objects in the Web-based Manager to be viewed properly without need for scrolling.

Before any upgrade

Save a copy of your FortiCache unit configuration prior to upgrading. Go to **System** > **Maintenance** > **Config** and select **Download Backup File** to backup the configuration.

After any upgrade

If you are using the Web-based Manager, clear your browser cache prior to login on the FortiCache to ensure the Web-based Manager screens are displayed properly.

What's New

FortiCache 4.2.9 is a patch release which mainly involves bug fixes; no new feature or enhancement has been implemented in this release.

Upgrade Instructions

Back up your configuration before beginning this procedure. Whilst no data loss should occur if the procedures below are correctly followed, it is recommended a full backup is made before proceeding.

For information on how to back up the FortiCache configuration, see the FortiCache Administration Guide.

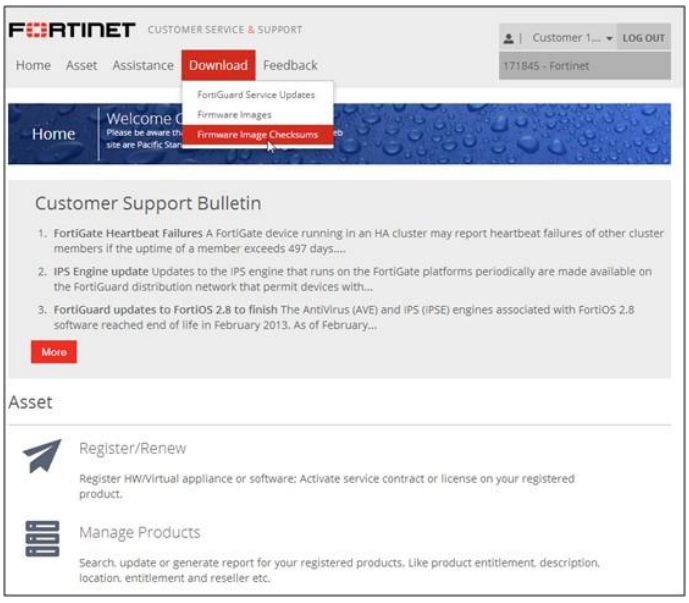
Image checksums

To verify the integrity of the firmware file, use a checksum tool to compute the firmware file's MD5 checksum. Compare it with the checksum indicated by Fortinet. If the checksums match, the file is intact.

MD5 checksums for software releases are available from Fortinet Customer Service & Support:

https://support.fortinet.com

Figure 1: Customer Service & Support image checksum tool



After logging in to the web site, in the menus at the top of the page, click **Download**, then click **Firmware Image Checksums**.

Alternatively, near the bottom of the page, click the **Firmware Image Checksums** button. (The button appears only if one or more of your devices has a current support contract.) In the File Name field, enter the firmware image file name including its extension, then click **Get Checksum Code**.

Upgrading from previous releases

FortiCache 4.2.9 (build 0230) supports upgrade from versions 3.0, 3.1.0, 3.1.1, 4.0.0, 4.0.1, 4.0.2, 4.1.0, 4.1.1, 4.1.3, 4.1.4, 4.2.0, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7 and 4.2.8

Firmware upgrade process

After backing up your configuration first, follow the following procedure to upgrade the firmware.

Before you can install FortiCache firmware, you must download the firmware package from the Customer Service & Support web site, then upload it from your computer to the FortiCache unit.

1. Log in to the Customer Service & Support web site at https://support.fortinet.com. In the **Download** section of the page, select the **Firmware Images** link to download the firmware.
2. To verify the integrity of the download, go back to the Download section of the login page, then click the **Firmware Image Checksums** link.
3. Log in to the FortiCache unit's Web-based Manager using the admin administrator account.
4. Go to **System > Dashboard > Status**.
5. In the System Information widget, in the Firmware Version row, select **Update**. The Firmware Upgrade or Downgrade dialog box opens.
6. In the Firmware section, select **Choose File**, and locate the upgrade package that you downloaded.
7. Select **OK** to upload the file to the FortiCache.

Your browser uploads the firmware file. The time required varies by the size of the file and the speed of your network connection. When the file transfer is complete, the following message is shown:

Wait until the unpacking, upgrade and reboot process completes (usually 3-5 minutes), then refresh the page.

Product Integration and Support

Web browser support

The following web browsers are supported by FortiCache 4.2.9:

- Microsoft Internet Explorer version 11
- Mozilla Firefox version 53
- Google Chrome version 59

Other web browsers may function correctly, but are not supported by Fortinet.

Virtualization support

FortiCache 4.2.9 supports VMware ESXi / ESX 4.0, 4.1, 5.0, 5.1, 5.5, 6.0, and 6.5. See FortiCache VM Install Guide for VMware for more information.

FortiCache 4.2.9 supports KVM (KVM qemu 0.12.1 and higher) and FortiHypervisor 1.0 and higher.

Language Support

The following table lists FortiCache Language Support information.

Language	Web-based Manager	Documentation
English	✔	✔
French (France)	✔	-
Spanish (Spain)	✔	-
Portuguese (Brazil)	✔	-
Korean	✔	-
Chinese (Simplified)	✔	-
Chinese (Traditional)	✔	-
Japanese	✔	-

To change the FortiCache language setting, go to **System** > **Admin** > **Settings**, in **View Settings** > **Language** and select the desired language from the drop-down menu.

Resolved Issues

The resolved issues listed below may not list every bug that has been corrected with this release. For inquiries about a particular bug, please contact Fortinet Customer Service & Support.

Bug ID	Description
566736	FortiCache wad crash when server disconnect at wanopt active-passive mode
567302	MIB OID fgSysMemUsage should not include reclaimable buffers value
567333	Fixed live-stream cache related issues and one security Vulnerability.
567347	Extending wad vcache feature to support more live-stream sites
504167	"FortiCache update failed" appear when update pass

Common Vulnerabilities and Exposures:

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

Bug ID	Description
537836	FortiCache 4.2.9 is no longer vulnerable to the following CVE-Reference: • CVE-2016-2183

Known Issues

FortiCache 4.2.9 includes the following known issues:

Bug ID	Description
363572	FTP broken in virtual-in-path WAN Opt. (non-transparent) - Under Investigation
379482	Deleting policy rule on cluster master fails - Under Investigation
379479	Access denied on address deletion on cluster master - Under Investigation
380864	FortiAnalyzer connection status wrong - Under Investigation
396990	WebUI corruption when adding Request Length in HTTP Transaction view - Under Investigation
389423	Config restore on cluster master fails, successful on slave - Under Investigation
379478	Address object creation fails on cluster master - Under Investigation