

FortiADC Release Notes

Version 4.8.2

FORTINET DOCUMENT LIBRARY

<http://docs.fortinet.com>

FORTINET VIDEO GUIDE

<http://video.fortinet.com>

FORTINET BLOG

<https://blog.fortinet.com>

CUSTOMER SERVICE & SUPPORT

<https://support.fortinet.com>

FORTIGATE COOKBOOK

<http://cookbook.fortinet.com>

FORTINET TRAINING SERVICES

<http://www.fortinet.com/training>

FORTIGUARD CENTER

<http://www.fortiguard.com>

END USER LICENSE AGREEMENT

<http://www.fortinet.com/doc/legal/EULA.pdf>

FEEDBACK

Email: techdocs@fortinet.com



Wednesday, December 13, 2017

FortiADC 4.8.2 Release Notes

Third Update

TABLE OF CONTENTS



Change Log	4
Introduction	5
What's new	6
Hardware and VM support	7
Resolved issues	8
Known issues	9
Image checksums	11

Change Log

Date	Change Description
11/02/2017	Initial release.
11/13/2017	First update, which corrected the description of Bug 0443072 in the Resolved Issues section.
12/11/2017	Second update, adding Bugs 456771 and 456799 to the Resolved Issues section.
12/13/2017	Third update, removed Bug 0379236 from the Known Issues section, and added it to the Resolved Issues section.

Introduction

This *Release Notes* covers the new features, enhancements, known issues, and resolved issues of FortiADC™ Version 4.8.2, Build 0977.

To upgrade to FortiADC 4.8.2, see [FortiADC Upgrade Instructions](#).

FortiADC provides load balancing, both locally and globally, and application delivery control. For more information, visit: <http://docs.fortinet.com/fortiadc-d-series/>.

What's new

FortiADC 4.8.2 release mainly involves bug fixes; no new feature or enhancement has been implemented in this release.

Hardware and VM support

FortiADC 4.8.2 supports the following hardware models:

- FortiADC 200D
- FortiADC 300D
- FortiADC 400D
- FortiADC 700D
- FortiADC 1500D
- FortiADC 2000D
- FortiADC 4000D
- FortiADC 60F (without HSM and PageSpeed features)
- FortiADC 100F
- FortiADC 200F
- FortiADC 1000F
- FortiADC 2000F
- FortiADC 4000F

FortiADC Release 4.8.2 supports deployment of FortiADC-VM in the following virtual machine environments:

VM environment	Tested Versions
VMware	ESXi 3.5, 4.x, 5.0, 5.1, 5.5, 6.0
Microsoft Hyper-V	Windows Server 2012 R2
KVM	Linux version 3.19.0 qemu-img v2.0.0, qemu-img v2.2
Citrix Xen	XenServer 6.5.0
Xen Project Hypervisor	4.4.2, 4.5

Resolved issues

This sections lists the major known issues that have been resolved in this 4.8.2 release. For inquiries about particular bugs, please contact [Fortinet Customer Service & Support](#).

Table 1: Resolved issues

Bug ID	Description
0379236	Sometimes, the HA slave may still show "not sync" after the command "execute ha force sync-config" is executed from the master node.
0456771	HA sync file failed.
0456799	The cmdbsvr crashed when the directory /ect/cert/localor/etc/cert/intmed_ca is deleted.
0454563	SNMP, OID for virtual server status replies with "unknown" status.
0455132	Large CRL cannot be displayed correctly on the GUI/REST API or referenced in configuration.
0454568	The log filter for Event Log > Health Check logs with the time/group filter shows no result.
0452658	The interface with PPPoE setting does not send out PPP/PPPoED packets.
0452591	OCSP responses without the NONCE field set could cause FortiADC to fail to verify the clients.
0452515	SNMP traps incorrectly send back the OBJECT 'fadcSysSerial'.
0452509	SNMP MIBs have the NOTIFICATION-TYPE missing and some issues related to certain special characters.
0452202	The GUI does not show the correct interface status sometimes.
0454009	The system allows users to configure duplicate VSPs and locations when they are adding VSPs to the host for the first time.
0456732	NTLM authentication didn't support the scenario when the front-end authentication is different from the back-end authentication and SSO is disabled.
0443072	The system allows the user to delete content rewriting/routing rules when they are disabled in virtual servers.
0453804	The HTTP_DATA_REQUEST script doesn't support REDIRECT or content routing.

Known issues

This section highlights the major known issues discovered in FortiADC 4.8.2 release. For inquiries about particular bugs, please contact [Fortinet Customer Service & Support](#).

Table 2: Known issues

Bug ID	Description
401984	<p>The IP table rules created by rtsp_vs could not sync to the slave device in HA mode.</p> <p>Workaround: You must re-connect to the RTSP server when performing HA sync.</p>
233369	<p>Shutting down the PPPoE interface sometimes could cause the default route to be deleted from the default route table.</p> <p>Workaround: Reconfigure the default route table after shutting down the PPPoE interface.</p>
380628	<p>Sometimes, global load-balance link member configuration in HA VRRP configuration could not be fully synced to the slave device.</p> <p>Workaround: When that happens, execute the command <code>execute ha force sync-config</code> to sync the configuration.</p>
401508	<p>When FortiADC is in an HA active-passive configuration using a switch in transparent mode with the STP function enabled, traffic could get interrupted briefly when a fail-over occurs.</p> <p>Workaround: The interruption occurs because STP needs time to re-learn in order to adjust. This is not a FortiADC issue. You can change STP configuration in the switch to prevent this from happening.</p>
376784	<p>Some traffic log data may get missing when FortiADC is under heavy traffic stress.</p> <p>Workaround: Enable traffic logging only in normal traffic conditions; do NOT enable it when CPU usage exceeds 60%.</p>
372459	<p>Sometimes, the floating IP may be missing in the back-end after some operations.</p> <p>Workaround: When that happens, reconfigure the floating IP.</p>
414143	<p>The traffic limit control for FortiADC inbound/outbound packets in each VDOM only works for TCP traffic; it does not work for UDP traffic.</p> <p>Workaround: Do NOT impose the traffic limit on UDP traffic.</p>

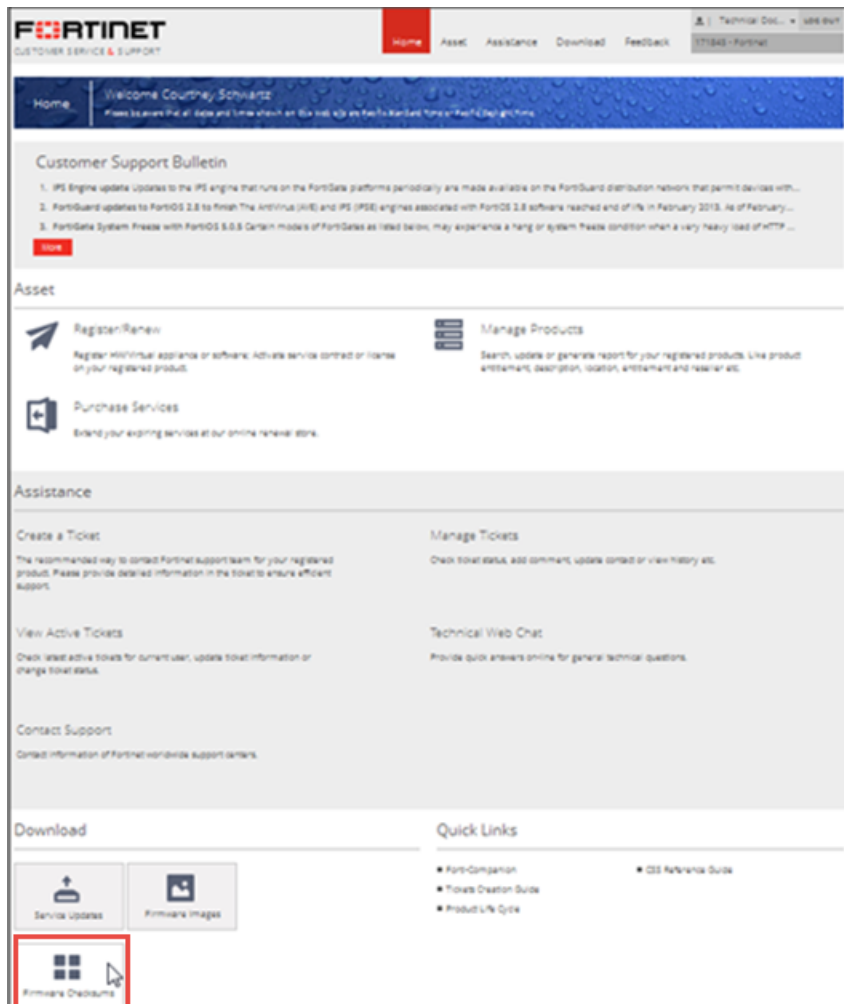
Bug ID	Description
377176	<p>The OSPF neighbor won't be built if the floating IP is the same as the interface IP.</p> <p>Workaround: Avoid setting the floating IP the same as the interface IP.</p>
451722	<p>Logging into FortiADc 60F immediately after boot-up may get an error message.</p> <p>Workaround: This may be because some daemon is still loading when you are logging in. It does not affect FortiADC in any way.</p>
451957	<p>The CLI on FortiADC 60F may freeze if you make configuration changes while switching from HA mode to standalone mode.</p> <p>Workaround: Do not attempt to change the appliance's configuration and HA mode at the same time.</p>
446943	<p>SSL throughput may decrease under certain circumstances.</p> <p>Workaround: Tune the tune-bufsize to 16384.</p>
444752	<p>When 300 wildcard administrators using different RADIUS servers in the system, it may take up to 5 minutes to log in.</p> <p>Workaround: Try to use no more than 10 RADIUS/LDAP servers for wildcard administrator authentication.</p>
446418	<p>After migrating RADIUS persistence profiles to Version 4.8.1, some vendor-specific attributes may get lost during backup and restore.</p> <p>Workaround: Vendor-specific attributes with empty values are for backward compatibility, and not intended for RADIUS persistence. You need to modify the configuration in 4.8.1.</p>
449128	<p>The Web Application Firewall signature page may show inaccurate information.</p> <p>Workaround: Update to the latest Web Application Firewall signatures.</p>
449822	<p>Some VDOM configurations may remain in the system if you delete a VDOM shortly after it is created.</p> <p>Workaround: Do not create and delete VDOMS in a rapid fashion.</p>
452815	<p>A verify process could fail when a real server is using a certificate signed by an intermediate CA.</p>

Image checksums

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

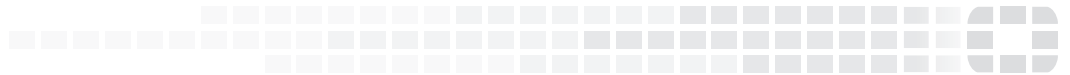
MD5 checksums for Fortinet software and firmware releases are available from [Fortinet Customer Service & Support](#). After logging in to the web site, near the bottom of the page, click the Firmware Image Checksums button. (The button appears only if one or more of your devices has a current support contract.) In the File Name field, enter the firmware image file name including its extension, then click Get Checksum Code.

Figure 1: Customer Service & Support image checksum tool



FORTINET

High Performance Network Security



Copyright© 2017 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features, or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.