

# FortiADC Release Notes

**Version 5.2.2**

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FortiADC 5.2.2 Release Notes

First Edition

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## Change Log

Date	Change Description
3/15/2019	FortiADC 5.2.2 Release Notes initial release.

# Introduction

This *Release Notes* covers the new features, enhancements, known issues, and resolved issues of FortiADC™ Version 5.2.2, Build 0442.

To upgrade to FortiADC 5.2.2, 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 5.2.2 offers the following new features:

### **Remove Memory Restriction on Cloud platform**

Memory Restriction has been removed for all BYOL VM on AWS/GCP/Azure/OCI/Aliyun cloud platforms.

### **PROXY protocol**

Support PROXY protocol for HTTP/HTTPS virtual server, to pass original client information, such as the client IP address, to the backend proxies or servers.

See the PROXY protocol [reference](#).

# Upgrade notes

## **Converting**

After upgrading to V5.2.2, the old statistics data will not be converted to the new version automatically; instead, there is a warning on the top right position. The client may click the warning to start the converting. However, the converting may consume CPU and memory resources. Only clients upgrading from prior to 5.2.0 can have old statistic data.

## **allow-ssl-version**

There is an old SSL version in the allow-ssl-version config that is not recommend; but the client may have configured it before. This is removed when you upgrade from 5.0.x to 5.1.x/5.2.x. The client may need to add it back manually for compatibility.

## **Adjust boot partition**

VM's prior to 5.1.x had a size limit to the boot partition. Thus, you need to upgrade to 5.1.x, first, to adjust the boot partition. Then you can upgrade to 5.2.0. Otherwise it will report "Unmatched partition size."

No such issue for physical platforms.

## **Dynamic auth feature**

It is suggested that the customer should only enable "dynamic auth feature" on RADIUS accounting virtual servers.

# Hardware and VM support

FortiADC 5.2.2 supports the following hardware models:

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

FortiADC Release 5.2.2 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, 6.5
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 section lists the major known issues that have been resolved in this 5.2.2 release. For inquiries about particular bugs, please contact [Fortinet Customer Service & Support](#).

**Table 1: Resolved issues**

Bug ID	Description
0540882	HA-AP: Can't exit a telnet session (of 'execute ha manage 0').
0538416	DNS Zone changes don't generate higher serial numbers. Zone transfers to DNS slaves aren't possible.
0539519	After upgrading, a core crash occurs on the HA cluster.
0539889	After customer upgrades to 5.2.0, the 300D device crashed
0539896	After upgrade from 4.8.6 to 5.1.3 and L7VS and duplicate entry errors
0539904	FortiADC 300D's in HA reboot at different times.
0540066	Kernel Panic after activating FTP Load Balancer config (1500D)
0541877	getty: ttyS0: ioctl: Input/output error
0542593	Unexpected Reboot
0538163	Admin User Authenticated by LDAP Cannot Change the 'Global Admin' Value
0535860	Save debug file running status and upload status STANDBY is not clear
0538914	HA-VRRP: Failover does not happen.
0539738	L4VS on port25 is failing after upgrade from 5.1.2 to 5.2.1
0543002	Increasing DNS Max values
0536549	Radius health check is not work
0541180	Restapi crashes when uploading fortiguard library by restful
0538977	There is fail assertion printed on the console.
0540946	Log messages saying that port status changed from DOWN to UP

Bug ID	Description
0538694	Japan customer has been seeing a few logs of "Link status changed"
0541343	IP reputation's version is showing 00000
0536455	Interface distribution is empty after logging in and rebooting the ADC
0527290	HA VRRP traffic status for floating ip addresses is unable to show completely when VS name is long
0539168	IP Reputation DB not updated and thus IP reputation not working
0530612	Change GLB zone allow transfer address group not take effect
0538971	The image cannot be deployed successfully on the new OCI platform.
0527717	FortiADC on SLB L7, the amount of connection of the "Connection Limit" setting into VS is exceeding the configured threshold
542427	Remove memory check from license key for all VM models
0541332	when virtual server using hash related persistence the pool member connection-limit is not working
0536665	Log browsing in Dashboard optimize
0537059	There is core dump happening at backend.

# Known issues

This section highlights the major known issues discovered in FortiADC 5.2.2 release. For inquiries about particular bugs, please contact [Fortinet Customer Service & Support](#).

**Table 2: Known issues**

Bug ID	Description
523216	<p>If a prior-to-5.1.2 backup configuration is saved by an admin user who happens to have '_' in his name, the configuration will not be listed after upgrading to 5.2.0.</p> <p><b>Workaround:</b> before upgrading to 5.2.0, redo the backup with another admin user whose name does not include '_'.</p>
515275	<p>5.2.0 Global Load Balance supports a new "server-performance" method in the virtual server pool. But remote servers which are running images prior to 5.2.0 will not report information to the 5.2.0 GLB server. As a result, it will be treated as the worst performance server in the pool.</p>
526074	<p>In the slave device of HA AP mode, it may fail to ping its HA mgmt IP.</p>
518447	<p>On Google Cloud Platform (GCP), the VM does not support the following features:</p> <ul style="list-style-type: none"> <li>• HA AP mode</li> <li>• HA AA mode</li> <li>• Floating IP of interface</li> <li>• IPv6</li> <li>• Vlan interface</li> <li>• Softswitch interface</li> <li>• Aggregate interface</li> </ul>
530020	<p>On Azure the VM does not support the following features:</p> <ul style="list-style-type: none"> <li>• HA AP mode</li> <li>• HA AA mode</li> <li>• VLAN interface</li> <li>• Softswitch interface</li> <li>• Aggregate interface</li> </ul>

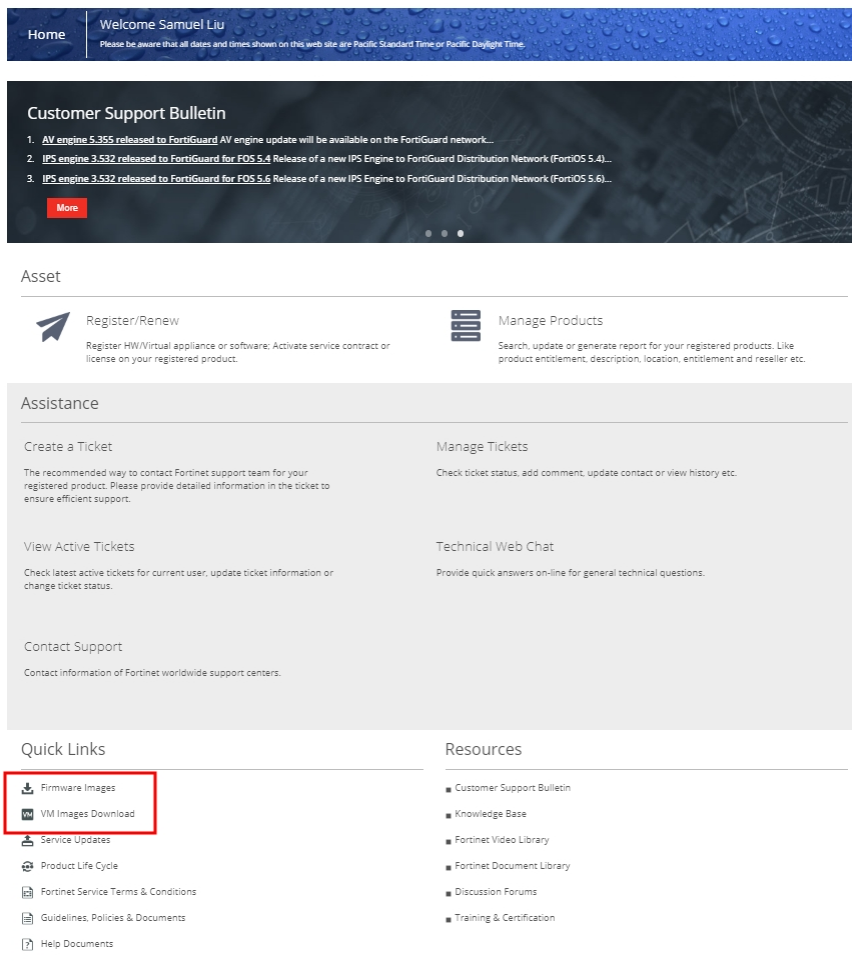
Bug ID	Description
530017	On AWS the VM does not support the following features: <ul style="list-style-type: none"><li>• HA AP mode</li><li>• HA AA mode</li><li>• VLAN interface</li><li>• Softswitch interface</li><li>• Aggregate interface</li></ul>
524335	SIP sessions CPS performance drops, when source address is enabled
518048	In FortiGuard Services, please remember that the system will reload and traffic may interrupt after upgrade/reset "Geo IP"
528695	In Cloud platform(AWS/GCP/Azure/Aliyun), after changing the IP settings in ADC, like VS IP, interface ip/secondary ip etc, please also change the IP configuration of the interface in cloud networking
514583	In GUI>Global>System File, it is only able to upload a file up to 300MB.
0537052	After the customer upgrades to V5.2.1, the ADC will take some CPU resources to transform the old data to new format, possibly resulting in higher CPU usage for some time.
0537058	If the VDOM is not enabled, the WCCP can only be configured on CLI. However, if the VDOM is enabled, you can configure it on both CLI and GUI.
542995	HSM only supports V5

# 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.

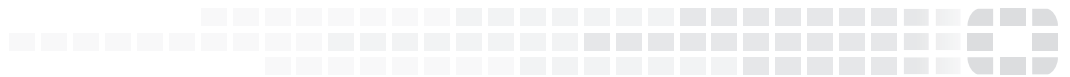
MD5 checksums for Fortinet software and firmware releases are available from [Fortinet Customer Service & Support](#). After logging in to the web site, near the bottom of the page, click the Firmware Image Checksums button. (The button appears only if one or more of your devices has a current support 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**





High Performance Network Security



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