



# FortiADC - Release Notes

Version 5.4.1

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**FEEDBACK**

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FortiADC 5.4.1 Release Notes

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## Change Log

Date	Change Description
2020-03-30	FortiADC 5.4.1 Release Notes initial release.
2020-05-27	Added known issues

# Introduction

This *Release Notes* covers the new features, enhancements, known issues, and resolved issues of FortiADC™ version 5.4.1, Build 0728.

To upgrade to FortiADC 5.4.1, 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 5.4.1 offers the following new features:

- **One-Click GSLB on FortiADC** (requires a license) – will be available in Q2PL  
Integrated with Fortinet's NEW cloud GSLB service. When creating a new virtual server, administrator can easily publish the VS IP and its domain to cloud with one click. Access from internet will then be intelligently distributed across multiple data centers/applications.
- **Credential Stuffing Defense** (requires a license)  
Fortinet's Credential Stuffing Defense identifies login attempts using credentials that have been compromised using an always up-to-date feed of stolen credentials. FortiADC automatically downloads the DB from the FortiGuard service. The administrator can configure it to detect and block the unwanted login access, defending against data breaches.

## Hardware and VM support

FortiADC 5.4.1 supports the following hardware models:

- FortiADC 200D
- FortiADC 300D
- FortiADC 400D
- FortiADC 700D
- FortiADC 1500D
- FortiADC 2000D
- FortiADC 4000D
- FortiADC 100F
- FortiADC 200F
- FortiADC 300F
- FortiADC 400F
- FortiADC 1000F
- FortiADC 2000F
- FortiADC 4000F
- FortiADC 5000F

FortiADC Release 5.4.1 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, 6.7
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

## Known issues

This section highlights the major known issues discovered in FortiADC 5.4.1 release. For inquiries about particular bugs, please contact [Fortinet Customer Service & Support](#).

### Known Issues

Bug ID	Description
633117	SIP proxy not sending request to real server. (Fix scheduled in v.5.4.2)
633350	i40e driver issue causes 2000F port 17,18 to go down intermittently. (Fix scheduled in v.5.4.2)



## Resolved issues

The following issues have been resolved in FortiADC 5.4.1 release. For inquiries about particular bugs, please contact [Fortinet Customer Service & Support](#).

### Resolved issues

Bug ID	Description
618398	Route Health Injection (RHI) for OSPF and BGP are not working with non-root vdom
616628	MIB Misspelling on "facdTrapSysCrIExpires"
614083	Forward Proxy doesn't add the certificate chain along with the signed cert during TLS handshake
613965	ADFS proxy pass-through failing due to auto-generated script
611170	Wrong IP address conflict observed with message "Detect MAC address xxx to have our IP x.x.x.x."
609969	Synchronization status stuck at "Not sync" after new admin accessprofile and admin was added
607937	Update CLI and handbook for remote-ip-failover-threshold
607420	Non working VRRP ADC node generates Router LSA for the active ippool addresses causing services to fail
605465	FortiView should show the identical color when SNMP health-check result is "maintain"
604464	Coredump by IP reputation
603572	Statistics Not Updating in GUI
603280	"502 Bad gateway" error in HTTP/2 with quick refresh on the html page.
602635	Excessive memory usage by httpproxy-ssl process though the appliance is idle without traffic or when there is less traffic.
599068	Unable to de-select a service (e.g. https, ping, etc.) from "allow access" for non-used interface on WebUI.
598662	domain\username in Authentication Form treats backslash plus two following characters as hexcode
597439	Update CLI guide: execute ha manage
595611	"pool_member" does not failback according to the value of "recover".
594801	Resource Usage and Server Load Balance Graph has no data
587743	httpproxy has high CPU and crashes in certain circumstances

Bug ID	Description
618606	Shutdown of Vmware FAD instance not complete
615664	Cannot create virtual service under non-root vdom with error code "Maximum number of entries has been reached"
614251	AV statistics are sent to infod too frequently under a load test
612763	Httpproxy crashes when ddos http and AV enabled
612599	Httpproxy_ssl cordump due to QAT hardware SSL card
609239	Refresh fortiview slb VS session table with memory leak

# 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.

## Customer Service & Support image checksum tool

The screenshot shows the Fortinet Customer Service & Support website. At the top, there is a blue header with a 'Home' link and a welcome message for Samuel Liu. Below this is a 'Customer Support Bulletin' section with three items listed, each with a 'More' button. The main content area is divided into several sections: 'Asset' with 'Register/Renew' and 'Manage Products' links; 'Assistance' with 'Create a Ticket', 'View Active Tickets', 'Contact Support', 'Manage Tickets', and 'Technical Web Chat'; 'Quick Links' with a list of links including 'Firmware Images' and 'VM Images Download' (both highlighted with a red box); and 'Resources' with a list of links including 'Customer Support Bulletin', 'Knowledge Base', 'Fortinet Video Library', 'Fortinet Document Library', 'Discussion Forums', and 'Training & Certification'.

Home | Welcome Samuel Liu  
Please be aware that all dates and times shown on this web site are Pacific Standard Time or Pacific Daylight Time.

**Customer Support Bulletin**

1. AV engine 5.355 released to FortiGuard AV engine update will be available on the FortiGuard network...
2. IPS engine 3.532 released to FortiGuard for FDS 5.4 Release of a new IPS Engine to FortiGuard Distribution Network (FortiOS 5.4)...
3. IPS engine 3.532 released to FortiGuard for FDS 5.6 Release of a new IPS Engine to FortiGuard Distribution Network (FortiOS 5.6)...

[More](#)

**Asset**

[Register/Renew](#)  
Register HW/Virtual appliance or software; Activate service contract or license on your registered product.

[Manage Products](#)  
Search, update or generate report for your registered products. Like product entitlement, description, location, entitlement and reseller etc.

**Assistance**

[Create a Ticket](#)  
The recommended way to contact Fortinet support team for your registered product. Please provide detailed information in the ticket to ensure efficient support.

[View Active Tickets](#)  
Check latest active tickets for current user; update ticket information or change ticket status.

[Contact Support](#)  
Contact information of Fortinet worldwide support centers.

[Manage Tickets](#)  
Check ticket status; add comment; update contact or view history etc.

[Technical Web Chat](#)  
Provide quick answers on-line for general technical questions.

**Quick Links**

- [Firmware Images](#)
- [VM Images Download](#)
- [Service Updates](#)
- [Product Life Cycle](#)
- [Fortinet Service Terms & Conditions](#)
- [Guidelines, Policies & Documents](#)
- [Help Documents](#)

**Resources**

- [Customer Support Bulletin](#)
- [Knowledge Base](#)
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# Upgrade notes

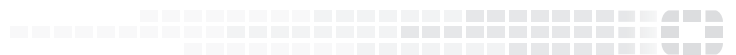
## Suggestions

- The backup config file in versions 5.2.0-5.2.4/5.3.0-5.3.1 containing certificate config might not be restored properly (causing config to be lost). After upgrading to 5.4.1, please discard the old V5.2.x/V5.3.x config file, backup the config file in V5.4.1 again.
- Keep the old SSL version predefined config to ensure a smooth upgrade.
- HSM does not support TLVv1.3. If the HSM certificate is used in VS, the TLSv1.3 handshake will fail.

**Workaround:** Uncheck the TLSv1.3 in the SSL profile if you are using the HSM certificate to avoid potential handshake failure.



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