FortiClient EMS - Release Notes

Version 6.2.8

FORTINET DOCUMENT LIBRARY
https://docs.fortinet.com

FORTINET VIDEO GUIDE
https://video.fortinet.com

FORTINET BLOG
https://blog.fortinet.com

CUSTOMER SERVICE & SUPPORT
https://support.fortinet.com

FORTINET TRAINING & CERTIFICATION PROGRAM
https://www.fortinet.com/support-and-training/training.html

NSE INSTITUTE
https://training.fortinet.com

FORTIGUARD CENTER
https://fortiguard.com/

END USER LICENSE AGREEMENT
https://www.fortinet.com/doc/legal/EULA.pdf

FEEDBACK
Email: techdoc@fortinet.com

October 13, 2020
FortiClient EMS 6.2.8 Release Notes
04-628-637104-20201013

TABLE OF CONTENTS

Introduction

FortiClient Endpoint Management Server (EMS) is a system intended to be used to manage installations of FortiClient. It uses the Endpoint Control protocol and supports all FortiClient platforms: Microsoft Windows, macOS, Linux, Android OS, Apple iOS, and Chrome OS. FortiClient EMS runs on a Microsoft Windows server.

This document provides the following information for FortiClient EMS 6.2.8 build 0961:

For information about FortiClient EMS, see the *FortiClient EMS 6.2.8 Administration Guide*.

Endpoint requirements

The following FortiClient platforms are supported:

- FortiClient for Microsoft Windows
- FortiClient for macOS
- FortiClient for Linux
- FortiClient for Android OS
- FortiClient for iOS
- FortiClient for Chromebooks

See Product integration and support on page 8 for FortiClient version support information.

FortiClient is supported on multiple Microsoft Windows, macOS, and Linux platforms. EMS supports all such platforms as endpoints.

Supported web browsers

The latest version of the following web browsers can be used to connect remotely to the FortiClient EMS 6.2.8 GUI:

- Mozilla Firefox
- Google Chrome
- Microsoft Edge

Internet Explorer is not recommended. Remote access may need to be enabled from the FortiClient EMS GUI.

Licensing and installation

For information on licensing and installing FortiClient EMS, see the *FortiClient EMS Administration Guide*.

Ensuring that all installed software, including EMS and SQL Server, is up-to-date, is considered best practice.

Special notices

FortiClient EMS Microsoft Visual C++ installation

The EMS installation includes installation of Microsoft Visual C++ (VC) 2015. If the server already has a newer version of VC installed, the installation fails. See VC++ 2015 Redistributable installation returns error 1638 when newer version already installed.

If you have a version of VC installed on your server that is newer than 2015, uninstall VC before installing EMS.

SQL Server Enterprise with 5000 or more endpoints

When managing more than 5000 endpoints, install SQL Server Enterprise instead of SQL Server Express, which the EMS installation also installs by default. Otherwise, you may experience database deadlocks. The minimum SQL Server version that FortiClient EMS supports is 2014. Using SQL Server 2017 or a later version is recommended. See *Upgrading Microsoft SQL Server Express to Microsoft SQL Server Standard or Enterprise*.

Upgrading

Upgrading from previous EMS versions

FortiClient EMS supports upgrading from previous EMS versions as outlined in *FortiClient and FortiClient EMS Upgrade Paths*. After upgrading from FortiClient EMS 6.0, you cannot make changes to the FortiClient Enterprise Management Server license. Increasing the number of managed endpoints requires you to purchase a new FortiClient Security Fabric Agent license.

Downgrading to previous versions

FortiClient EMS EMS does not support downgrading to previous EMS versions.

Product integration and support

The following table lists version 6.2.8 product integration and support information:

Server operating systems	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2
Minimum system requirements	• 2.0 GHz 64-bit processor, dual core (or two virtual CPUs) • 4 GB RAM (8 GB RAM or more is recommended) • 40 GB free hard disk • Gigabit (10/100/1000baseT) Ethernet adapter • Internet access is recommended, but optional, during installation. SQL Server may require some dependencies to be downloaded over the Internet. EMS also tries to download information about FortiClient signature updates from FortiGuard. You should only install FortiClient EMS and the default services for the operating system on the server. You should not install additional services on the same server as FortiClient EMS.
FortiClient (Linux)	• 6.2.0 and later • 6.0.0 and later
FortiClient (macOS)	• 6.2.0 and later • 6.0.1 and later
FortiClient (Windows)	• 6.2.0 and later • 6.0.0 and later
FortiOS	• 6.2.0 and later • 6.0.0 and later
FortiSandbox	• 3.1.0 and later for detailed reports on files that FortiSandbox has detected • 3.0.0 and later • 2.5.0 and later

Installing and running EMS on a domain controller is not supported.

Resolved issues

The following issues have been fixed in version 6.2.8. For inquiries about a particular bug or to report a bug, contact Customer Service & Support.

Administration

Bug ID	Description
596653	EMS does not send email notification for out-of-date antivirus signatures on endpoint.
629638	Remove TLS 1.1 from EMS.
632393	EMS denies administrator with standard administrator role permission to manage endpoint policies.
640558	System information is missing from diagnostics.
646417	Wrong EMS console system time.

Endpoints

Bug ID	Description
620863	Unable to view endpoints list from EMS console.
631744	FortiClient Linux version widget does not show endpoints.

Endpoint policy and profile

Bug ID	Description
625671	Endpoint profile does not list the profiles folder correctly while creating deployment packages.

FortiClient Cloud

Bug ID	Description
607522	*The server IP address was changed...* alert should not appear in FortiClient Cloud.
640701	Errors creating deployment packages in FortiClient Cloud.

GUI

Bug ID	Description
614823	Vulnerability Scan events do not show on EMS server.
632083	EMS server uptime format error shows after upgrade.

Licensing

Bug ID	Description
627118	FortiClient deployment fails with *There are no licenses available* log message when the License Information widget shows licenses available.
641447	*License expired...* message shows when EMS is licensed, but one of the licenses has expired.

AD domain

Bug ID	Description
605280	Active Directory bind does not work due to unexpected naming contexts.
624338	LDAP sync fails with *The LDAP server is unavailable. at System.DirectoryServices.Protocols.LdapConnection.Connect()* error.
637026	Domain sync fails with *System.Exception: An error occurred while enumerating computers. Turn on debug logging, retry...* error.

System

Bug ID	Description
596403	FcmDaemon causes high CPU.
662355	Uninitialized pointer causes daemon to crash.
664960	FcmDaemon crashes when an endpoint sends a malformed EC message with an empty hostname.

Other

Bug ID	Description
645056	Compliance verification rules do not work after upgrade.
643836	DBTools log leaks sensitive error information.

Known issues

The following issues have been identified in version 6.2.8. For inquiries about a particular bug or to report a bug, contact Customer Service & Support.

Administration

Bug ID	Description
625652	Service accounts in domain register as devices in EMS.
654303	Unable to see users imported from user server when creating new admin account.

EMS deployment

Bug ID	Description
615247	EMS does not remove installer from its directory when the administrator deletes it from EMS.

Endpoints

Bug ID	Description
602790	Endpoints do not reporting correctly.
622054	Fails to sync profile: name *self* is undefined.
646033	EMS server downloads large amounts of data daily.
650218	Other Endpoints group becomes parent to All Groups.
655977	EMS does not display endpoints and loads endlessly.

Licensing

Bug ID	Description
646082	Expired license warning.

FortiClient Cloud

Bug ID	Description
592303	Compliance verification/host tagging does not work.
622213	Unable to save, delete, or apply FortiClient Cloud compliance policies.

AD domains

Bug ID	Description
608500	Active Directory (AD) sync to EMS issue. Groups do not populate in EMS.
664962	AD synchronization issue.

Change log

Date	Change Description
2020-10-13	Initial release.