



# FortiClient EMS - Release Notes

Version 6.2.2

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December 06, 2019

FortiClient EMS 6.2.2 Release Notes

04-622-579775-20191206

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# 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 6.2.2 build 0833:

- [Special notices on page 6](#)
- [What's New on page 1](#)
- [Upgrading on page 7](#)
- [Resolved issues on page 9](#)
- [Known issues on page 11](#)

For information about FortiClient EMS, see the [FortiClient EMS 6.2.2 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 6.2.2 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](#).

## 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 is installed with EMS by default. Otherwise, you may experience database deadlocks. The minimum SQL Server version that FortiClient EMS supports is 2014. It is recommended to use SQL Server 2017 or a later version. See the [FortiClient EMS Administration Guide](#).

# 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

Downgrading FortiClient EMS 6.2.2 to previous EMS versions is not supported.

# Product integration and support

The following table lists version 6.2.2 product integration and support information:

<b>Server operating systems</b>	<ul style="list-style-type: none"><li>• Windows Server 2012 R2</li><li>• Windows Server 2016</li><li>• Windows Server 2019</li></ul>
<b>Minimum system requirements</b>	<ul style="list-style-type: none"><li>• 2.0 GHz 64-bit processor, dual core (or two virtual CPUs)</li><li>• 4 GB RAM (8 GB RAM or more is recommended)</li><li>• 40 GB free hard disk</li><li>• Gigabit (10/100/1000baseT) Ethernet adapter</li><li>• Internet access required during installation</li></ul> <p>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.</p>
<b>FortiClient (Linux)</b>	<ul style="list-style-type: none"><li>• 6.2.0 and later</li><li>• 6.0.0 and later</li></ul>
<b>FortiClient (macOS)</b>	<ul style="list-style-type: none"><li>• 6.2.0 and later</li><li>• 6.0.1 and later</li></ul>
<b>FortiClient (Windows)</b>	<ul style="list-style-type: none"><li>• 6.2.0 and later</li><li>• 6.0.0 and later</li></ul>
<b>FortiOS</b>	<ul style="list-style-type: none"><li>• 6.2.0 and later</li><li>• 6.0.0 and later</li></ul>
<b>FortiSandbox</b>	<ul style="list-style-type: none"><li>• 3.1.0 and later for detailed reports on files that FortiSandbox has detected</li><li>• 3.0.0 and later</li><li>• 2.5.0 and later</li></ul>



## Resolved issues

The following issues have been fixed in version 6.2.2. For inquiries about a particular bug or to report a bug, contact [Customer Service & Support](#).

### Dashboard

Bug ID	Description
0575520	EMS Chromebook license is exhausted at 800 seats while EMS console shows 3300 seats available.

### EMS installation and upgrade

Bug ID	Description
0573360	Upgrade from 6.2.0 to 6.2.1 not working for EMS that uses a remote SQL server.

### Endpoints

Bug ID	Description
0523242	Inconsistencies in endpoint and endpoint group sorting.
0543354	Endpoints show in EMS as unscanned.
0555016	Number of signatures in FortiClient does not match EMS (resulting in reported vulnerabilities from FortiClient now showing in EMS GUI).
0560706	EMS 6.2.0 fails to sync with LDAP and gives errors.
0562914	EMS reports error when importing a domain using the hostname.
0564332	EMS 6.2.0 process crashes frequently.
0574721	Group Assignment Rules for Type <i>AD Group</i> not working as expected.

## Endpoint policy and profile

Bug ID	Description
0546404	Unable to delete Chromebook profiles.
0552884	FortiClient receives configuration update every time it reconnects to EMS.
0564308	EMS does not allow setting of HTTPS block method as 2.
0566903	Change default setting for <i>Log off When User Logs out of Windows</i> .
0571032	Rename <i>Keep Running Max Tries</i> " to <i>"Always Up Max Tries</i> .
0578444	FortiClient 6.0.5 won't synchronize on EMS 6.2.1.
0580937	Plugin for HTTPS web filtering and bubble notification in Chromebook profile.

## FortiClient deployment

Bug ID	Description
0573026	EMS installer Auto Update feature will not update Mac installer.
0573027	Auto Update feature on EMS will not remove original installer.
0573029	Auto Update feature on EMS will not update MSI installer.
0579954	Deployment from FortiClient 6.0.5 to 6.2.1 not working.

## Other

Bug ID	Description
0536640	EMS sidebar keeps on refreshing once per minute.
0569676	EMS 6.2.0 not sending alert emails unless the user logs into the EMS console.

## Known issues

The following issues have been identified in version 6.2.2. For inquiries about a particular bug or to report a bug, contact [Customer Service & Support](#).

## Compliance verification

Bug ID	Description
0579348	Host tag monitor does not show any devices when compliance verification rules are configured.

## EMS administration

Bug ID	Description
0549212	Domain import fails when using a remote SQL server.
0549723	EMS does not retrieve the saved Distinguished name if a user edits the user server.
0572762	User server LDAP query doesn't work when specific OU DN used.
0576108	Distinguished name parsing problems.
0585162	EMS Server Remote login with Edge browser failed to work

## EMS installation and upgrade

Bug ID	Description
0578016	Unable to access EMS console after upgrading from 6.2.0 to 6.2.1.
0585704	Upgrade from 6.0.8 to 6.2.1 results in inability to log into EMS.

## Endpoints

Bug ID	Description
0575344	Endpoints' OU membership reverting back to original OU.
0576410	Endpoints are not seen for second domain when selecting the domain or OU, but will show when doing a search in <i>All Endpoints</i> .
0578802	EMS 6.2.1 is reporting vulnerabilities that do not exist on the FortiClient.
0579436	Incomplete OS information for domain-joined macOS devices.
0579700	Vulnerabilities that require manual patch show as scheduled on EMS.
0586722	FortiClient blocks files based on FortiSandbox results that are inconsistent with the FortiSandbox console.
0588212	Endpoint in domain shows up in workgroups in EMS.
0588710	EMS failed to report <i>Combines host Verification Rule</i> match
0588716	Unable to delete custom group if it is not empty.

## Endpoint policy and profile

Bug ID	Description
0565304	Profile synchronization between FortiOS and EMS fails if FortiOS admin password changes.

## FortiClient Cloud EMS

Bug ID	Description
0587534	FortiClient EMS Cloud does not update master user permissions after changing master user in FortiCare.
0588141	FortiClient EMS Cloud with FortiSandbox-only license asks for FortiSandbox license to use feature.
0588597	EMS reported it failed to delete an invitation being used when deleting a deployment package.

## Other

Bug ID	Description
0587602	Configured EMS will mess up database when importing databases exported from older releases.

## Change log

Date	Change Description
2019-10-15	Initial release.
2019-12-06	Updated <a href="#">SQL Server Enterprise with 5000 or more endpoints</a> on page 6.



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