# FortiClient EMS - Release Notes

Version 1.2.3

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# Change Log

| Date | Change Description |
| --- | --- |
| 2017-12-12 | Initial release. |
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| | |

# Introduction

FortiClient Enterprise Management Server (EMS) is a system intended to be used to manage installations of FortiClient. It uses the same Endpoint Control protocol introduced in FortiOS 5.0 and enhanced in FortiOS 5.2. Like FortiOS, EMS supports all FortiClient platforms: Microsoft Windows, Mac OS X, Android OS, and Apple iOS. FortiClient EMS does not require a Fortinet device. It runs on a Microsoft Windows server. End users with FortiClient installations can use a FortiGate or EMS to manage their installations.

This document provides the following information for FortiClient EMS 1.2.3 build 0457:


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For information about FortiClient EMS, see the *FortiClient EMS 1.2.3 Administration Guide*.

## Supported platforms

The EMS server can be installed on the following platforms:

- Microsoft Windows Server 2008 R2 or newer

### System requirements

The minimum system requirements are as follows.

- 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

Internet access is required during installation. This becomes optional once installation is complete. FortiClient EMS accesses the Internet to obtain information about FortiGuard engine and signature updates.

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.

## Endpoint requirements

The following FortiClient platforms are supported:

- FortiClient for Microsoft Windows
- FortiClient for Mac OS X
- FortiClient for Android OS
- FortiClient for iOS

The FortiClient version should be 5.4.0 or newer.

FortiClient is supported on multiple Microsoft Windows and Mac OS X 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 1.2.3 GUI:

- Mozilla Firefox
- Google Chrome
- Microsoft Edge

Internet Explorer is no longer 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 1.2.3 Administration Guide*.

# Special Notices

## Automatic download of the FortiClient installer

FortiClient EMS automatically downloads the FortiClient (Windows) and FortiClient (Mac OS X) installer package once Fortinet has posted it to FortiGuard. The installer for FortiClient 5.6.3 (Windows) and FortiClient 5.6.3 (Mac OS X) will be posted to FortiGuard by mid-January 2018. Customers wishing to deploy FortiClient 5.6.3 must log into the Fortinet Support site at https://support.fortinet.com/, download the installer, and upload it to FortiClient EMS manually.

For information on downloading FortiClient installers, see the *FortiClient EMS 1.2.3 Administration Guide*.

# Upgrade

## Upgrading from previous EMS versions

FortiClient EMS 1.2.3 supports upgrading from the following EMS versions:

- 1.0.3 and later
- 1.2.0 and later

## Downgrading to previous versions

Downgrading FortiClient EMS 1.2.3 to previous EMS versions is not supported.

# Resolved Issues

The following issues have been fixed in version 1.2.3.

| Bug ID | Description |
|---|---|
| 438215 | [Profiles][Performance] FortiClient EMS slow to load profile. |
| 439370 | [Profiles][VPN] Add GUI support for prompt_username setting for SSL/IPsec VPN. |
| 440139 | After upgrading EMS from 1.0.5 to 1.2.1, VPN settings are lost or do not work as intended. |
| 453148 | [Events] Unprotected client information must be sent to EMS. |
| 453258 | [Sidebar] Keep opened sections open and active item active after a refresh. |
| 456623 | [Profiles][Web Filter] Default action for exclusion URL list should be block. |
| 456817 | [Profiles][Sandbox] Icon for unauthorized (red times circle) is misleading. |
| 458135 | [Endpoints] Display FortiClient serial number. |
| 458457 | Fail to download EMS 1.2.3 full installer. |
| 458715 | EMS Chrome OS - Last Policy Retrieval does not update. |
| 458740 | FortiClient fails to download installer during deployment. |
| 458950 | EMS generated FortiClient 5.6.1 software return error code 2711. |
| 459052 | [Deployment] Deployed FortiClient does not register to EMS. |
| 459355 | EMS events for endpoints Windows and Mac. |
| 460275 | [Endpoints][Details] Deployment progress bar is blank. |
| 460731 | [Logs] Database errors when downloading with filters applied. |
| 461132 | Cannot find the user 'NT AUTHORITY\SYSTEM'. |
| 461368 | b0443: Status filter under FortiTelemetry has no effect. |
| 461416 | [Profiles][VPN] Some XML tags are missing in IPsec tunnel. |
| 461576 | [Software] Clear button is covered by file input. |
| 462316 | [Endpoints][Filters] Filtering by gateway list status shows endpoints without one assigned. |
| 462699 | [Profiles][System] On-net subnets should not be enabled by default. |
| 463952 | IPsec tunnel failed to parse after upgrade. |

# Known Issues

The following issues have been identified in version 1.2.3. For inquiries about a particular bug or to report a bug, contact Customer Service & Support.

| Bug ID | Description |
|---|---|
| 414620 | EMS and OpenDirectory/LDAP. |
| 415585 | b0126: Redeployment from EMS will reboot servers as no users logged in. |
| 444108 | Files are getting blocked/quarantined while they are white listed. |
| 448080 | [Endpoints][Actions] "Mark as Uninstalled" should be available for offline domain endpoints. |
| 451605 | b0394: EMS reports NPAPI Flash Pluging vulnerable while not installed. |
| 454697 | [Profiles] Add an option to find where profile is assigned. |
| 455188 | Unable to open the "Errors or Warnings (last 7 days)" on the EMS, when there is a large amount of events. |
| 456501 | EMS failed to upgrade profiles after upgrade from 1.0.3 to 1.2.1. |
| 457094 | [Database] Change the global setting so that cursors are LOCAL by default. |
| 460245 | [Profiles][Antivirus] Split *Block Malicious Websites* into subcategories. |
| 460511 | FCMDaemon crash Fault offset: 0x000846eb. |
| 461627 | [GUI] Add ability to filter and sort all tables. |
| 462329 | [Sidebar][Endpoints] Unable to create custom group under domain where the root is an OU. |
| 462510 | [Endpoints] Need to have an option to clear events from EMS. |
| 462944 | EMS Back up database shows Memory Error. |
| 463455 | EMS Upgrade of the same build generated an error. |
| 464220 | [Database][Backup] Backup database fails on the second try. |
| 462784 | [Profiles][VPN] Cannot set "Specify DNS Server" and "Assign IP Address".<br>Changes for these two IPsec VPN options from the EMS GUI will be saved correctly and sent to endpoints, but the EMS GUI currently (in error) does not display such changes. |