FortiClient EMS - Release Notes

Version 6.0.0

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FortiClient EMS 6.0.0 Release Notes
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Change Log

Date	Change Description
2018-05-31	Initial release.
2018-07-24	Updated What's New on page 7.

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, macOS, Linux, 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 6.0.0 build 0052:

For information about FortiClient EMS, see the *FortiClient EMS 6.0.0 Administration Guide*.

Supported platforms

The EMS server can be installed on the following platforms:

- Windows Server 2008 R2
- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2016

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 macOS
- FortiClient for Linux
- FortiClient for Android OS
- FortiClient for iOS

The FortiClient version should be 5.4.0 or newer.

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 6.0.0 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 Administration Guide*.

What's New

The core features of FortiClient EMS 6.0.0 include the following:

Chromebook management merged to regular FortiClient EMS

You can now use a single FortiClient EMS console to manage all FortiClient platforms, including Chromebooks. All FortiClient endpoints can be managed from a single FortiClient EMS installation. Previously, a separate FortiClient EMS for Chromebooks install was needed to manage Chromebook clients.

Automatic quarantine from Fortinet Security Fabric

FortiClient EMS 6.0.0 supports automatic quarantine of suspicious FortiClient endpoints from the Security Fabric. An automated rule can be defined in FortiOS 6.0 to quarantine suspicious (IOC) FortiClient endpoints.

Automatic group assignment

Automatic group assignment allows you to dynamically group endpoints based on installer tags. Instead of manually creating or moving endpoints to custom groups, you can create rules which allow FortiClient EMS to automatically create dynamic groups and move endpoints to preassigned groups.

Quarantine file management

FortiClient EMS 6.0.0 introduces central quarantine management, which shows a central view of all file-based threats detected and quarantined by FortiClient. You can restore and whitelist a quarantined file on endpoints with a single click in the case of false-positive detections. This feature requires FortiClient 6.0.0 or later versions.

Endpoint installed software inventory

FortiClient EMS 6.0.0 introduces the Software Inventory management feature where administrators can centrally track software usage for all managed endpoints. The Inventory dashboard includes the name, publisher, and version of software installed on all managed endpoints.

Customize endpoint system quarantine message

You can now customize the quarantine message displayed on a user's FortiClient Console. This feature requires FortiClient 6.0.0 or later versions.

FortiClient local update server

Micro-FortiGuard Server for FortiClient is a local update server for FortiClient endpoints. FortiClient can receive software and signature updates locally from Micro-FortiGuard Server for FortiClient instead of reaching out to FortiGuard Distribution Server, helping save WAN bandwidth. It is recommended that organizations with more than 5000 FortiClient endpoints use Micro-FortiGuard Server for FortiClient to receive local updates.

For details, see the *Micro-FortiGuard Server for FortiClient Administrator Guide* that is available on the Fortinet Document Library under FortiClient EMS.

Upgrade

Upgrading from previous EMS versions

FortiClient EMS 6.0.0 supports upgrading from the following EMS versions:

- 1.2.4 and later

Downgrading to previous versions

Downgrading FortiClient EMS 6.0.0 to previous EMS versions is not supported.

Resolved Issues

The following issues have been fixed in version 6.0.0.

Dashboard

Bug ID	Description
468209	Endpoint Alerts always all endpoints as unprotected.
474326	Enable sorting on some Dashboard widgets.

Endpoints (AD domains, workgroups)

Bug ID	Description
448485	Change onnet/offnet status discovery for dual registration case.
454001	Installer persists after changing from a deployment to a non-deployment profile.
458135	Display FortiClient serial number.
458715	Last policy retrieval does not update.
462510	Need to have an option to clear events from EMS.
464921	IP gateway list is not assigned when endpoint dropped into the OU with it.
469202	Vulnerability scan summary not consistent with endpoint information on EMS 1.2.3.
469665	Search results are incorrect when ! is used in the OS filter for exclusion.
469729	Endpoints inherit installer settings from parent-OU when no deployment is configured on child OU.
470974	Scheduled AV scan shown in the EMS console as active, while in fact it's disabled.
471270	Filter is not applied when scrolling down to load more when filtering only by version.
471387	Some nested OU/groups are hidden until a new group is added to the parent OU.
479958	Domain cannot be deleted from EMS. EMS doesn't pull complete list of endpoints from DC.
480203	Endpoints go offnet despite onnet subnets explicitly specified.
480764	EMS 1.2.5 does not calculate onnet status correctly.

Bug ID	Description
485718	No scroll option in menu *Move to*.
486278	LDAP query returned an error (code Success).
490179	An OU will load the entire domain users list when scrolling to the bottom of the list.

Endpoint profiles

Bug ID	Description
438215	FortiClient EMS slow to load profile.
440139	After upgrading the EMS from 1.0.5 to 1.2.1 VPN settings are lost or don't work as intended.
445380	Add option to show block message from FortiClient Bubble popup for HTTPS site.
460245	Split *Block Malicious Websites* into subcategories.
460889	FortiClient fail to get auto-updated to the latest version (improve show/hide of auto patch and deployment tab).
462503	Add option for renew FortiClient UID to EMS GUI.
462661	Fix *Update* part of *System Settings* in EMS profile.
463983	Make the sub-option `<disable_fgt_switch>` visible.
468477	Allow customer to enable or disable auto update for existing installers.
468934	DPD related tags do not update.
469484	Use Windows Credentials should only be available if Show VPN before Logon is enabled.
469768	Reboot settings are missing for uninstaller.
470198	EMS GUI support proxy configurations for vulnerability scan.
471801	Add column to table for auto update status.
472666	"Prompt for Username" switch should be enabled by default.
473065	Profile fails to come into effect when exclusion list contains '\'.
473796	Error when editing default profile.
478092	Enabling "Auto Update" for installer will not update installer to the latest version already existing on EMS/
479483	Unable to save the profile when adding more than fourteen MAC addresses to 'Gateway MAC Addresses'.
485267	Support new web filtering categories (9X) in FortiClient and EMS.

Gateway IP lists

Bug ID	Description
459052	Deployed FortiClient does not register to EMS.
469931	Gateway list can still be deleted when used by an installer.

FortiClient deployment

Bug ID	Description
415585	Redeployment from EMS will reboot servers as no users logged in.
466445	Digitally signing the software package created by EMS does not work.
467530	Initial configuration for Mac deployment created by EMS has error in notification server field.

Notifications and email

Bug ID	Description
468475	Email alerts stopped working.
469959	Issues with setting test recipient.
471393	Email validation doesn't allow capital letter before @.

Other

Bug ID	Description
447016	Unable to add Domain User To Administration Tab of User Management in EMS 1.2.1.
461132	Cannot find the user 'NT AUTHORITY\SYSTEM'".
465629	Database backup is very small.
468898	Disabled TLS 1.0 Support to be compliant with PCI-DSS 3.2.
472340	EMS database table 'group_container_ancestor' does not purge old entries.
481372	Installation failed due to a big db size.
489311	Error Update Service Invalid object name 'information_schema.tables'.

Bug ID	Description
453392	Rerun transaction on deadlock.
469755	Restore of large EMS backup shows file missing.
470013	Correct wording to *Managed by EMS*.

Known Issues

The following issues have been identified in version 6.0.0. For inquiries about a particular bug or to report a bug, contact Customer Service & Support.

Dashboard

Bug ID	Description
489175	Allow sorting on *Dashboard* > *FortiClient Status* > *Endpoint Telemetry & Fabric*.
490203	*Dashboard* > *FortiClient Status* > *Endpoint Compliance* should only consider online endpoints.

Endpoints (AD domains, workgroups)

Bug ID	Description
466871	Duplicate device in EMS if a host name has more than 15 chars.
468033	Automatic cleanup of *Other Endpoints*.
477791	EMS crashes after assigning a profile to a big domain/OU.
482727	EMS allows quarantine request from FortiGate to be undone before it reaches the client.
486783	Right-clicking a group's menu should not have AV and Vulnerability Scan options when AV and Vulnerability Scan are disabled in the assigned profile.
487266	No scan status in endpoint summary page when AV scan is running or canceled.
492374	Imported CN or OU is disabled for management.

Endpoint profiles

Bug ID	Description
480822	FortiClient unable to update definitions from FortiManager when sending vulnerability statistics.
487488	Provide a message when profile cannot be opened due to a missed signatures.
488624	Add IPsec VPN support for *Allow non-administrators to use machine certificates*.
490138	Quick scan misleading about supported features.
491597	*Not Authorized* icon tip should only show if Sandbox needs to be authorized to use.
491831	Add *All files executed from mapped network drives* to Sandbox submission options.
492161	New Web Filter option: allow websites when rating error occurs.

FortiClient deployment

Bug ID	Description
477067	Create FortiClient for Linux in the EMS.

Notifications and email

Bug ID	Description
489370	Email alerts are incomplete for malicious website events.

Gateway IP list

Bug ID	Description
490825	Link gateway IP list on software creation.

Other

Bug ID	Description
414539	EMS should get renewal licenses information from FDS.
474317	Setting option names in EMS GUI are not clear.
479470	No log for certificate deployment.
484891	When account is disabled, it should not be shown on the LDAP user list.
487219	EMS user admin setting missed control for some features.
487411	The record on FortiGate did not match the EMS FortiClient IP address.
487886	Applications in host detail table and application table in EMS inventory section were not consistent.
491008	Throw error when sorting quarantine files by status.
491635	*First Detected* in *Software Inventory* should be local time.
492216	Edit LDAP user permission is not working.