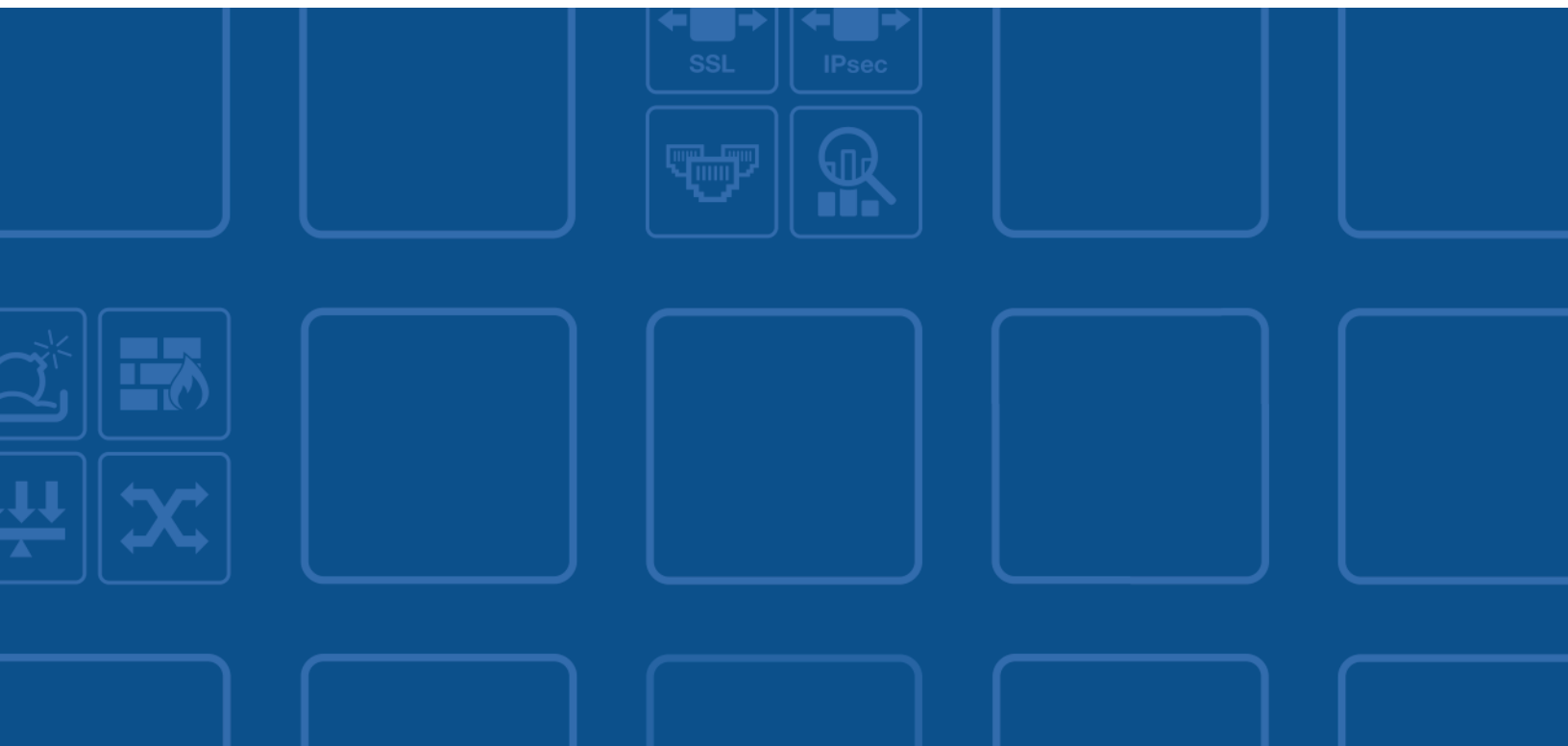
FORTINET
High Performance Network Security

FortiClient EMS - Release Notes

VERSION 1.0.3



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FortiClient EMS 1.0.3 Release Notes

04-103-393390-20161214

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Change Log

Date	Change Description
2016-11-18	Initial release.
2016-11-21	Added Resolved Issues > Common Vulnerabilities and Exposures > CVE Reference numbers.
2016-12-14	Added *You should only install EMS and the default services for the operating system on the server. Additional services should not be installed on the same server as EMS* note to *System Requirements*.

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 that was 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 could choose to use a FortiGate or the EMS to manage their installations.

This document provides the following information for FortiClient EMS 1.0.3 build 0107:

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

Supported platforms

The EMS server can be installed on any of the following platforms:

- Microsoft Windows Server 2016
- Microsoft Windows Server 2012, 2012 R2
- Microsoft Windows Server 2008 R2 SP1 or newer with latest windows updates

System Requirements

The minimum system requirement is as follows.

- 2.0 GHz 64-bit processor, dual core (or two virtual CPUs)
- 8 GB RAM
- 200 GB free hard disk
- Gigabit (10/100/1000baseT) Ethernet adapter
- Internet access

See also the subsection: Management Capacity in the Main Features section of this document for more details.

Internet access is required during installation. This becomes optional once installation is completed. The EMS uses access to the internet to obtain information about FortiGuard engine and signature updates.

You should only install EMS and the default services for the operating system on the server. Additional services should not be installed on the same server as EMS.

Endpoint Requirements

The following FortiClient platforms are supported:

- FortiClient for Microsoft Windows
- FortiClient for Mac OS X

The FortiClient version should be 5.4.1 or newer.

FortiClient is supported on multiple Microsoft Windows and Mac OS X platforms. The EMS supports all such platforms as endpoints.

Licensing and installation

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

Special Notices

Cooperative Security Fabric Upgrade

FortiOS 5.4.1 greatly increases the interoperability between other Fortinet products. This includes:

- FortiClient 5.4.1 and later
- FortiClient EMS 1.0.1 and later
- FortiAP 5.4.1 and later
- FortiSwitch 3.4.2

The upgrade of the firmware for each product must be completed in a precise order so the network connectivity is maintained without the need of manual steps. Customers must read the following two documents prior to upgrading any product in their network:

- *Cooperative Security Fabric - Upgrade Guide*
  This document is available on the Fortinet Document Library on the FortiOS page.
- *FortiOS 5.4.X Upgrade Guide for Managed FortiSwitch Devices*
  This document is available in the Customer Support Firmware Images download directory for FortiSwitch 3.4.2.

Main features

There are no new features or enhancements added in this release.

Upgrade

Upgrading from previous EMS versions

FortiClient EMS 1.0.3 supports upgrading from EMS 1.0.0, 1.0.1 and 1.0.2.

Downgrading to previous versions

Downgrading FortiClient EMS 1.0.3 to previous EMS versions is not supported.

Resolved Issues

The following issues have been fixed in version 1.0.3.

Bug ID	Description
391719	Add Video Link for easy access.
391442	EMS and FCT shows different on-net/off-net statuses.
391261	*Sandbox >Timeout* tooltip does not show any message when the mouse hovers over it.
390373	EMS generates duplicate devices.
388195	Limit on *Application Overrides* in Basic mode.
380271	Unable to update FortiClient from EMS server.
391100	Server error when creating an uninstaller in *Advanced Config* settings.
386499	Importing button should be disabled when no profile can be imported.
388206	Some Mac OS X devices from the Active Directory is shown as *Other End-points*.
388152	Unable to upgrade to EMS 1.0.2.93 or to EMS 1.0.1.77 from EMS 1.0.0.18.
386674	Warning sign does not disappear when testing/discarding SSL certificate changes.
379992	*Error Bad Request (400)* occurs when accessing EMS 1.0.1 via HTTPS.
390968	FortiClient logs *Alerts* but not the *Action Taken*.
392819	*All Endpoints* only shows the endpoints in Workgroups.
391603	When importing a domain with the wrong Distinguished Name, the error message is hidden.
391104	EMS will prompt *Profile name already exists* when editing a profile right after creating it in Advanced Mode.
384016	*Unable to reach database. Are you restoring?* error message appears when logging in.

Common Vulnerabilities and Exposures

Bug ID	Description
389240	FortiClient EMS 1.0.3 is no longer vulnerable to the following CVE References: • 2016-2177 • 2016-2179 • 2016-2181 • 2016-2182 • 2016-6302 • 2016-6303 • 2016-6304 • 2016-6305 • 2015-6306 • 2016-6307 • 2016-6308 Please visit https://fortiguard.com/psirt for more information.
390356	FortiClient EMS1.0.3 is no longer vulnerable to the following CVE References: • 2016-6153 Please visit https://fortiguard.com/psirt for more information.

Known Issues

The following issues have been identified in version 1.0.3. For inquires about a particular bug or to report a bug,please contact Customer Service & Support.

Bug ID	Description
379495	Endpoints move to Other Endpoints Workgroup after being assigned to a Domain EMS group.
393691	EMS server should notify if port already in use.
393123	Email alerts may not be sent for C&C Attack Communication with botnet.
387820	FortiClient and FortiClient EMS does not support Microsoft recommended exclusion methods.
387391	Endpoint status switches to out-of-sync.

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