

# Release Notes

FortiClient EMS 7.4.6



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FortiClient EMS 7.4.6 Release Notes

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# Change log

Date	Change description
2026-03-17	Initial release.
2026-03-20	Updated <a href="#">New known issues on page 18</a> .

# Introduction

FortiClient Endpoint Management Server (EMS) is a Linux-based system that manages FortiClient installations on the following FortiClient platforms:

- Microsoft Windows
- macOS
- Linux
- Android OS
- Apple iOS
- ChromeOS and ChromeOS Flex

This document provides the following information for FortiClient EMS 7.4.6 build 2170.M:

- [Special notices on page 7](#)
- [Changes in default behavior on page 9](#)
- [What's new on page 10](#)
- [Installation information on page 11](#)
- [Upgrading on page 13](#)
- [Product integration and support on page 14](#)
- [Resolved issues on page 16](#)
- [Known issues on page 18](#)

For information about FortiClient EMS, see the *FortiClient EMS 7.4.6 Administration Guide*.

Fortinet uses the following version number format:

<Major version number>.<minor version number>.<patch number>.<build number>

Example: 7.4.6.2170.M

Release Notes correspond to a certain version and build number of the product.

## 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 14](#) for FortiClient version support information.

## Supported web browsers

The latest version of the following web browsers can be used to connect remotely to the FortiClient EMS 7.4.6 GUI:

- Google Chrome
- Microsoft Edge
- Mozilla Firefox

Internet Explorer is not recommended. You may need to enable remote access from the FortiClient EMS GUI. See [To enable remote access to FortiClient EMS](#).

## Licensing and installation

For information on licensing and installing FortiClient EMS, see the [FortiClient EMS Administration Guide](#).

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

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# Special notices

## Upgrade recommended

FortiClient EMS 7.4.6 has been updated to recognize newly issued April 16, 2026 Digicert CA used by FortiGuard Anycast servers (see [Resolved issues on page 16](#)). We recommend upgrading your existing 7.4 deployments to 7.4.6 to take advantage of this change. See [CSB-260303-1](#) for more information.

## Changes to compatibility with FortiManager 7.4 and 7.6

EMS 7.4.5 or later do not support FortiManager 7.4.0-7.4.8 and 7.6.0-7.6.4 due to the communication protocol upgrade from HTTP/1.0 to HTTP/2. Unlike HTTP/1.x, the new HTTP/2 replies do not include a traditional "200 OK" text response and cannot be interpreted by those FortiManager versions.

## Entra ID integration support limitation

FortiClient EMS supports Entra ID integration with Azure commercial subscription only. Azure Government (e.g. GCC, GCC High, GCC DoD) is not supported.

## Split tunnel

In EMS 7.4.6, you configure application split tunnel using per-tunnel configuration, not a global configuration. If you are upgrading from an older version that uses the global application split tunnel configuration, change the configuration to per-tunnel.

## SAML logins

Upon initial SAML single sign on account login, EMS creates a standard administrator for this user in *Administration > Admin Users*. A standard administrator has permissions to modify endpoints, policies, and

settings. Having the EMS super administrator manually assign the proper role to the newly created login is recommended.

## FortiGuard Web Filtering category v10 update

Fortinet has updated its web filtering categories to v10, which includes two new URL categories for AI chat and cryptocurrency websites. To use the new categories, customers must upgrade their Fortinet products to one of the following versions:

- FortiManager - Fixed in 6.0.12, 6.2.9, 6.4.7, 7.0.2, 7.2.0, 7.4.0.
- FortiOS - Fixed in 7.2.8 and 7.4.1.
- FortiClient - Fixed in Windows 7.2.3, macOS 7.2.3, Linux 7.2.3.
- FortiClient EMS - Fixed in 7.2.1.
- FortiMail - Fixed in 7.0.7, 7.2.5, 7.4.1.
- FortiProxy - Fixed in 7.4.1.

Please read the following CSB for more information to caveats on the usage in FortiManager and FortiOS:  
<https://support.fortinet.com/Information/Bulletin.aspx>

# Changes in default behavior

FortiClient EMS 7.4.6 includes the following changes in default behavior. For inquiries about a particular change, contact [Customer Service & Support](#).

ID	Description									
1230781	<p>The default encryption algorithm for IKEv2 <a href="#">IPsec VPN</a> is changed as follows for better security, performance, and compatibility:</p> <table border="1"> <thead> <tr> <th></th> <th>7.4.5 or earlier</th> <th>7.4.6</th> </tr> </thead> <tbody> <tr> <td>phase 1</td> <td>AES128-<b>SHA1</b> AES256-SHA256</td> <td>AES128-<b>SHA256</b> AES256-SHA256</td> </tr> <tr> <td>phase 2</td> <td><b>AES128-SHA1</b> AES256 SHA256</td> <td><b>AES128GCM-NONE</b> AES256 SHA256</td> </tr> </tbody> </table>		7.4.5 or earlier	7.4.6	phase 1	AES128- <b>SHA1</b> AES256-SHA256	AES128- <b>SHA256</b> AES256-SHA256	phase 2	<b>AES128-SHA1</b> AES256 SHA256	<b>AES128GCM-NONE</b> AES256 SHA256
	7.4.5 or earlier	7.4.6								
phase 1	AES128- <b>SHA1</b> AES256-SHA256	AES128- <b>SHA256</b> AES256-SHA256								
phase 2	<b>AES128-SHA1</b> AES256 SHA256	<b>AES128GCM-NONE</b> AES256 SHA256								
1109530	The default value of <code>&lt;implied_SPDO_timeout&gt;</code> is changed from 0 to 60. See <a href="#">IKE settings</a> for more details.									
1224581	The default value of <i>Enable HTTPS Deep Inspection</i> (under <i>Endpoint Profile &gt; Web Filter</i> ) is changed from disabled to enabled.									

# What's new

For information about what's new in FortiClient EMS 7.4.6, see the [FortiClient & FortiClient EMS 7.4 New Features Guide](#).

# Installation information

## Firmware images and tools

The following files are available in the firmware image file folder:

File	Description
forticlientems_7.4.6.2170.M.amd64.bin	FortiClient EMS installer for x86-64 processor.
forticlientems_7.4.6.2170.M.arm64.bin	FortiClient EMS installer for ARM64 processor.
forticlientems_7.4.6.2170.M_migration_tool.zip	FortiClient EMS migration tool.
forticlientems_7.4.6.2170.M_postgres-ha.tar.gz	PostgreSQL (Postgres) Docker container for EMS high availability.
forticlientems_7.4.6.2170.M_postgresql15.tar.gz	Postgres Docker container for EMS installation with remote database.
FortiClientEMSADConnector.msi	Active Directory (AD) connector, which acts as a proxy between the AD server and EMS.
FORTINET-FORTICLIENTEMS-build2170.M.mib	MIB file. Your SNMP manager requires this information to monitor EMS settings and receive traps from the EMS SNMP agent.

The following tools and files are available in the forticlientems\_7.4.6.2170.M\_migration\_tool.zip file:

File	Description
migration.exe	Migration tool.
migration.config	Migration tool config file.

## VM Images

The following EMS VM images are available to deploy in virtual environment:

File	Description
forticlientems_vm.7.4.6.2170.M.ova.zip	VMware vSphere - ESXi Hypervisor

File	Description
forticlientems_ vm.7.4.6.2170.M.qcow2.zip	Linux KVM (Kernel-based virtual machines)
forticlientems_ vm.7.4.6.2170.M.vhdx.zip	Microsoft Hyper-V
forticlientems_ vm.7.4.6.2170.M.vmdk.zip	Oracle VirtualBox

# Upgrading

See [Upgrading EMS](#) in the *EMS Administration Guide* for details about upgrading from previous EMS versions. FortiClient EMS does not support downgrading to previous EMS versions.

## Legacy Licenses

EMS 7.4.6 does not support legacy 158 licenses, which were in use before 2021 and have reached end-of-life. Following is a list of discontinued SKUs:

- FC1-15-EMS01-158-02-DD
- FC1-15-EMS02-158-02-DD

If you attempt an upgrade to EMS 7.4.6 with the legacy 158 licenses, the EMS installer displays an error message: *Legacy license is not supported after upgrade*. The EMS upgrade does not proceed.

EMS 7.4.6 does not support the following legacy licenses:

- FC1-15-EMS01-297-01-DD
- FC2-15-EMS01-297-01-DD
- FC3-15-EMS01-297-01-DD
- FC4-15-EMS01-297-01-DD
- FC1-15-EMS03-297-01-DD
- FC2-15-EMS03-297-01-DD
- FC1-15-EMS03-298-01-DD
- FC2-15-EMS03-298-01-DD
- FC1-15-EMS01-299-01-DD
- FC2-15-EMS01-299-01-DD
- FC3-15-EMS01-299-01-DD

You may use the EMS migration tool to migrate your Windows Server-based EMS 7.2 to the Linux-based EMS 7.4. If you attempt to migrate EMS 7.2 using a legacy license to EMS 7.4 using the migration tool, the migration tool aborts the process and displays *Current EMS Windows license is not supported in EMS Linux, migration is aborted*.

# Product integration and support

The following table lists version 7.4.6 product integration and support information:

<b>Server operating systems</b>	<ul style="list-style-type: none"> <li>• Ubuntu 22.04/24.04 LTS Server and Desktop—Minimal Ubuntu is not recommended as it may lack some packages required by EMS.</li> <li>• Red Hat Enterprise Linux 9</li> <li>• CentOS Stream 9</li> </ul>
<b>Minimum system requirements</b>	<ul style="list-style-type: none"> <li>• 2.0 GHz 64-bit processor, six virtual CPUs</li> <li>• 12 GB RAM</li> <li>• 80 GB free hard disk</li> <li>• Gigabit (10/100/1000baseT) Ethernet adapter</li> <li>• Internet access is recommended, but optional, during installation. EMS also tries to download information about FortiClient signature updates from FortiGuard.</li> <li>• ext4 file system</li> </ul> <p>Fortinet recommends that you install only FortiClient EMS and the default services on the Linux server and no other additional applications.</p>
<b>FortiOS</b>	<ul style="list-style-type: none"> <li>• 7.6.0 and later—For FortiOS 7.6.3 and later versions, see <a href="#">SSL VPN tunnel mode replaced with IPsec VPN</a>.</li> <li>• 7.4.0 and later</li> <li>• 7.2.0 and later</li> </ul>
<b>FortiClient (Windows/macOS/Linux)</b>	<ul style="list-style-type: none"> <li>• 7.4.0 and later</li> <li>• 7.2.0 and later</li> </ul>
<b>FortiClient iOS and Android</b>	<ul style="list-style-type: none"> <li>• 7.4.0 and later</li> </ul>
<b>FortiAnalyzer</b>	<ul style="list-style-type: none"> <li>• 7.6.0 and later</li> <li>• 7.4.0 and later</li> <li>• 7.2.0 and later</li> </ul>
<b>FortiManager</b>	<ul style="list-style-type: none"> <li>• 7.6.5 and later</li> <li>• 7.4.9 and later</li> </ul> <hr/> <div style="display: flex; align-items: center;">  <p>EMS 7.4.5 or later do not support FortiManager 7.4.0-7.4.8 and 7.6.0-7.6.4 due to the communication protocol upgrade from HTTP/1.0 to HTTP/2. See <a href="#">Changes to compatibility with FortiManager 7.4 and 7.6 on page 7</a> for more details.</p> </div> <hr/> <ul style="list-style-type: none"> <li>• 7.2.0 and later</li> </ul>
<b>FortiAuthenticator</b>	<ul style="list-style-type: none"> <li>• 8.0.0 and later</li> <li>• 6.6.0 and later</li> <li>• 6.5.0 and later</li> </ul>
<b>FortiSandbox</b>	<ul style="list-style-type: none"> <li>• 5.0.0 and later</li> </ul>

- 4.4.0 and later
- 4.2.0 and later

# Resolved issues

The following issues have been fixed in version 7.4.6. For inquiries about a particular bug or to report a bug, contact [Customer Service & Support](#).

## Deployment and Installers

Bug ID	Description
1247941	EMS deployment to update FortiClient feature sets for the same FortiClient version fails unless the initial deployment was done using the EMS-generated FortiClient EXE installer or the MSI file (rather than the MST file).

## Endpoint Management

Bug ID	Description
1176485	EMS AD sync fails because unique constraint is violated.
1211682	Unable to delete ADDS authentication server when it is not reachable.
1245191	FortiClient (macOS) 7.4.5 reports internal server error when registering with EMS.

## Endpoint Policy and Profile

Bug ID	Description
1219160	Server error when saving ZTNA Destination profile.
1229556	FortiClient EMS 7.4.0 to 7.4.5 do not support importing web filter profiles from FortiOS 7.6.4 or later.
1239611	(EMS Cloud) Web filter profiles imported from FortiGate do not sync after the initial import.

## Fabric and Connectors

Bug ID	Description
1232872	VPN IP is not shared by EMS after the endpoint is connected to VPN for IP/MAC Control.
1248774	Cannot change firewall fabric device options to share all forticlients.

## GUI

Bug ID	Description
1226876	Server error when viewing all events page.
1239395	Endpoints "Search all" returns irrelevant results.
1254568	EMS Cloud shows wrong license count on dashboard for user-based license SKU.

## Web Filter and Plugin

Bug ID	Description
1256767	FortiClient EMS fails to recognize the newly issued April 16, 2026 Digicert CA used by FortiGuard Anycast servers, which results in failed communication for the signature and engine updates and auto-upgrade. See <a href="#">CSB-260303-1</a> for more information.
1200573	FortiClient blocks PDF files if the web filter used in the policy is imported from FortiGate.

## Security Posture Tags

Bug ID	Description
1234721	Domain-joined endpoints get no domain tags upon deployment and the status keeps flapping.

# Known issues

Known issues are organized into the following categories:

- [New known issues on page 18](#)
- [Existing known issues on page 18](#)

To inquire about a particular bug or to report a bug, contact [Customer Service & Support](#).

## New known issues

The following issue has been identified in version 7.4.6.

### Upgrade

Bug ID	Description
1271902	Cannot add, use, or edit RADIUS configuration for admin login after EMS upgrade from 7.4.5 to 7.4.6.

## Existing known issues

The following issues have been identified in a previous version of FortiClient EMS and remain in FortiClient EMS 7.4.6.

### Endpoint control

Bug ID	Description
1252180	Endpoints on subnet 172.17.0.0/16 cannot register telemetry with EMS.

## Endpoint management

Bug ID	Description
1127493	EMS displays inaccurate user information for endpoints running on the Windows Server operating system.

## Endpoint policy and profile

Bug ID	Description
1219573	EMS fails to apply Entra ID policies to Entra ID-joined devices that use an alias domains instead of the primary UPN domain.

## GUI

Bug ID	Description
1186739	Back button in endpoint vulnerability details page returns to Dashboard instead of previous page.
1245995	EMS repeatedly shows alerts indicating that EMS upgrade is available.

## Other

Bug ID	Description
1254730	Cannot migrate existing EMS 7.2 configurations to EMS 7.4.6 on Docker with local DB due to failure in retrieving DB password.



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