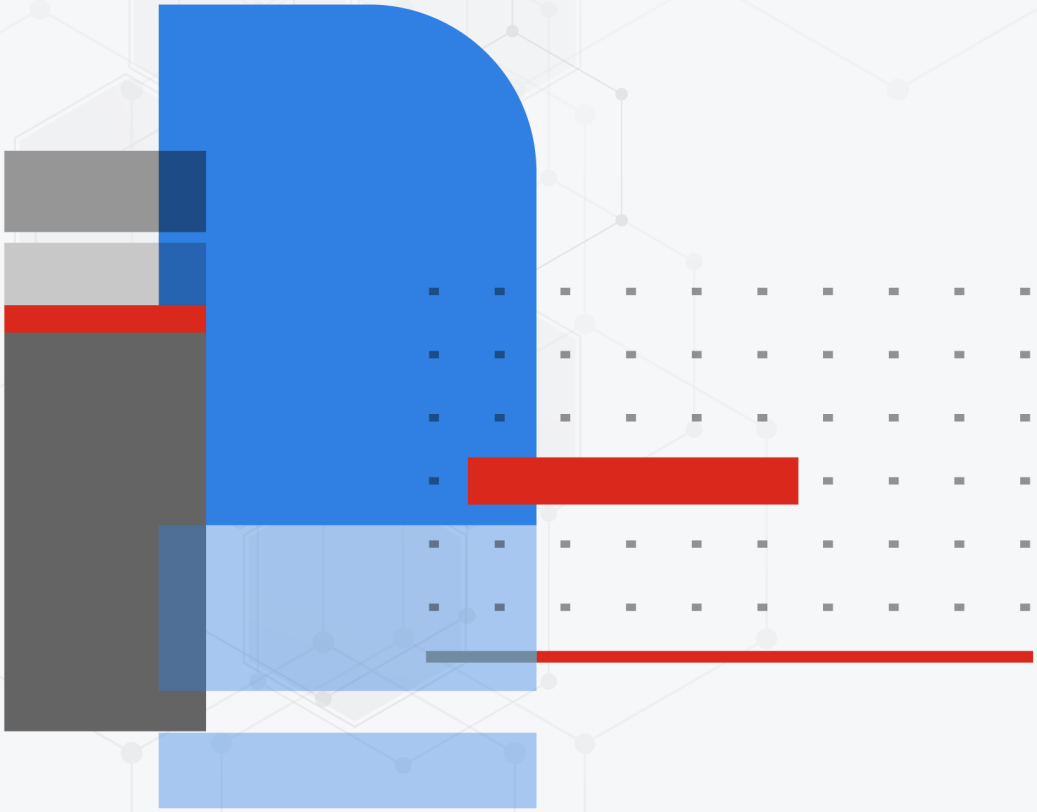
Release Notes

FortiClient EMS 7.4.3



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March 02, 2026
FortiClient EMS 7.4.3 Release Notes
04-743-1109383-20260302

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Change log

Date	Change description
2025-03-20	Initial release.
2025-03-24	Updated: • VM Images on page 10 • Product integration and support on page 14
2025-05-13	Updated Common Vulnerabilities and Exposures on page 18.
2025-05-28	Updated Product integration and support on page 14.
2025-06-10	Updated Common Vulnerabilities and Exposures on page 18.
2025-08-29	Updated Special notices on page 7 and New known issues on page 19.
2026-01-02	Updated New known issues on page 19.
2026-02-27	Updated New known issues on page 19.

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
- Chrome OS

This document provides the following information for FortiClient EMS 7.4.3 build 1926:

For information about FortiClient EMS, see the *FortiClient EMS 7.4.3 Administration Guide*.

Fortinet uses the following version number format:

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

Example: 7.4.3.1926

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 7.4.3 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*.

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

Special notices

Split tunnel

In EMS 7.4.3, 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

Upgrade from Ubuntu 22.04 to 24.04

When FortiClient EMS 7.4.3 is installed on Ubuntu 22.04, upgrading Ubuntu to 24.04 will break the EMS database backup and restore function.

To work around the issue, upgrade EMS to 7.4.4 or run the following to fix the EMS database backup and restore function:

1. Run the following query on postgres DB: `update pg_database set datcollversion = '2.39' where datcollversion = '2.35'`.
2. Run the following command: `sudo apt-get install libdbd-pg-perl`.

What's new

For information about what's new in FortiClient EMS 7.4.3, 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_ 7.4.3.1926.amd64.bin	FortiClient EMS installer for x86-64 processor.
forticlientems_ 7.4.3.1926.arm64.bin	FortiClient EMS installer for ARM64 processor.
forticlientems_7.4.3.1926_ migration_tool.zip	FortiClient EMS migration tool.
forticlientems_7.4.3.1926_ postgres-ha.tar.gz	PostgreSQL (Postgres) Docker container for EMS high availability.
forticlientems_7.4.3.1926_ 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.

The following tools and files are available in the forticlientems_7.4.3.1926_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.7.4.3.1926.ova.zip	VMware vSphere - ESXi Hypervisor

File	Description
forticlientems_vm.7.4.3.1926.qcow2.zip	Linux KVM (Kernel-based virtual machines)
forticlientems_vm.7.4.3.1926.vhdx.zip	Microsoft Hyper-V
forticlientems_vm.7.4.3.1926.vmdk.zip	Oracle VirtualBox

Upgrading

Upgrading from previous EMS versions

Upgrade endpoints running older FortiClient versions

EMS 7.4.3 only supports FortiClient 7.4, 7.2, and 7.0. You must first upgrade older FortiClient versions to 7.0.7 or newer before upgrading EMS to 7.4.3.

Endpoint security improvement

With the endpoint security improvement feature, there are backward compatibility issues to consider while planning upgrades. See Recommended upgrade path.

Legacy Licenses

EMS 7.4.3 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 7.4.3 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 7.4.3 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`.

Downgrading to previous versions

FortiClient EMS does not support downgrading to previous EMS versions.

Product integration and support

The following table lists version 7.4.3 product integration and support information:

Server operating systems	• Ubuntu 22.04 LTS Server and Desktop • Ubuntu 24.04 LTS Server and Desktop Fortinet recommends using Ubuntu Server.
Minimum system requirements	• 2.0 GHz 64-bit processor, six virtual CPUs • 12 GB RAM • 80 GB free hard disk • Gigabit (10/100/1000baseT) Ethernet adapter • Internet access is recommended, but optional, during installation. EMS also tries to download information about FortiClient signature updates from FortiGuard. • ext4 file system Fortinet recommends that you install only FortiClient EMS and the default services on the Linux server and no other additional applications.
FortiOS	• 7.6.0 and later. For FortiOS 7.6.3 and later versions, see Migrating from SSL VPN tunnel mode to IPsec VPN. • 7.4.0 and later • 7.2.0 and later • 7.0.0 and later (for zero trust network access, 7.0.6 or later is recommended) • 6.4.0 and later
FortiClient (Windows)	• 7.4.0 and later • 7.2.0 and later • 7.0.2 and later
FortiClient (macOS)	• 7.4.0 and later • 7.2.0 and later • 7.0.2 and later
FortiClient (Linux)	• 7.4.0 and later • 7.2.0 and later • 7.0.2 and later
FortiAnalyzer	• 7.6.0 and later • 7.4.0 and later • 7.2.0 and later • 7.0.0 and later
FortiManager	• 7.4.0 and later • 7.2.0 and later • 7.0.0 and later
FortiAuthenticator	• 6.6.0 and later

	• 6.5.0 and later • 6.4.0 and later • 6.3.0 and later
FortiSandbox	• 4.4.0 and later • 4.2.0 and later • 4.0.0 and later

Resolved issues

The following issues have been fixed in version 7.4.3. For inquiries about a particular bug or to report a bug, contact Customer Service & Support.

Dashboard

Bug ID	Description
1076303	Vulnerability dashboard shows wrong numbers for low, medium, high, and critical vulnerabilities.

Endpoint management

Bug ID	Description
993480	FortiClient unexpectedly disconnects from EMS.
1076058	Under *Administration > Authentication Servers*, you must edit the username and remove domain\ (or @domain) to authenticate via NTLM instead of Kerberos.
1085449	Azure domain sync is stuck at 1% because AdDaemon does not send all configured domains to Active Directory connector for syncing.
1110507	EMS does not use Kerberos authentication for LDAP and always uses NTLM.
1112618	EMS fails to recognize endpoints as Microsoft Entra ID-joined devices and puts them in workgroup instead of Entra ID group.
1116613	Invalid characters in filter by distinguished name causes LDAP result code 201 filter compile error.
1116767	FortiClient 7.2.7 cannot register with FortiClient Cloud because of the following error: *Error: mssql: Cannot insert duplicate key row in object 'dbo.Devices' with unique index 'uq_devices_guid'*.
1116781	Error occurs when syncing LDAP after updating EMS.

Endpoint policy and profile

Bug ID	Description
1082916	EMS considers *.example.private wildcard FQDN an invalid zero trust network access (ZTNA) destination.

Fortinet Security Fabric devices

Bug ID	Description
1078114	EMS OAuth 2.0 Fabric Connector has the following error: *Serial Number format does not match Connector Type*.

Onboarding

Bug ID	Description
1088431	Connecting to EMS fails when using special characters like = in LDAP password.

Performance

Bug ID	Description
1021702	AD connector has memory loss issue.

Upgrade

Bug ID	Description
1109898	EMS does not have system setting to enable or disable automatic upgrade.

Vulnerability Scan

Bug ID	Description
798409	EMS GUI does not display paths for detected vulnerabilities.

ZTNA connection rules

Bug ID	Description
1103786	EMS does not support using underscore for ZTNA destinations.
1118615	Adding ZTNA rules in ZTNA destination profile automatically creates a manually created ZTNA application in application catalog.
1133163	EMS fails to create ZTNA application due to long FQDN.

Common Vulnerabilities and Exposures

Bug ID	Description
958896	CVE-2023-48786
958963	CVE-2025-22855
1112619	CVE-2025-22859

Known issues

Known issues are organized into the following categories:

To inquire about a particular bug or to report a bug, contact Customer Service & Support.

New known issues

The following issues have been identified in version 7.4.3.

Install and upgrade

Bug ID	Description
1195599	When FortiClient EMS 7.4.3 is installed on Ubuntu 22.04, upgrading Ubuntu to 24.04 will break the EMS database backup and restore function. **Work around**: Upgrade EMS to 7.4.4 or run the following to fix the EMS database backup and restore function: 1. Run the following query on postgres DB: `update pg_database set datcollversion = '2.39' where datcollversion = '2.35'`. 2. Run the following command: `sudo apt-get install libdbd-pg-perl`.

Performance

Bug ID	Description
1120802	EMS performance issue with high number of multitenancy sites.

Other

Bug ID	Description
1152169	Restoring backup throws errors even when the restore is successful.

Existing known issues

The following issues have been identified in a previous version of FortiClient EMS and remain in FortiClient EMS 7.4.3.

Endpoint management

Bug ID	Description
1116089	User cannot delete custom group with no associated endpoints.
1117228	LDAP sync fails due to long UPN char with the following error: *error: mssql: The data for table*valued parameter "@updated" doesn't conform*.
1117269	Active Directory (AD) sync is slow on FortiClient Cloud with AD connector.

Endpoint policy and profile

Bug ID	Description
1089889	Chromebooks intermittently receive error *Failed to retrieve user profile from FortiClient EMS*.

Other

Bug ID	Description
1107278	Custom port numbers change when migrating from Windows Server-based EMS 7.2 to Linux-based 7.4.

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