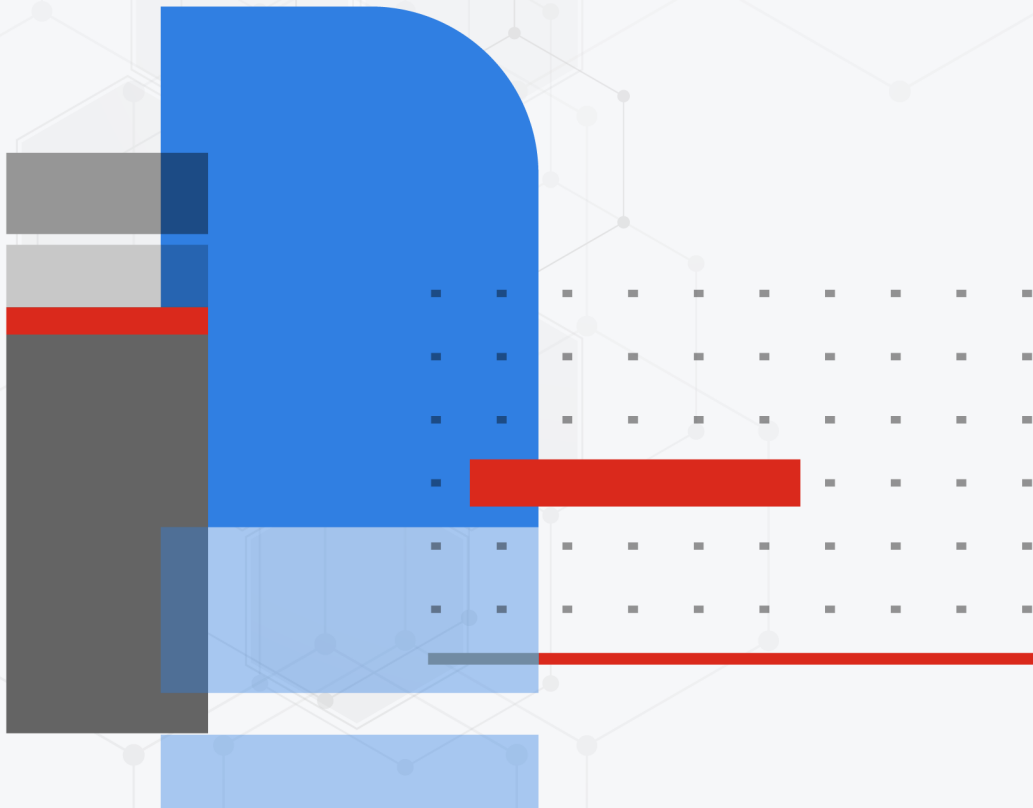


# Release Notes

FortiClient (Linux) 7.4.1



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November 01, 2024

FortiClient (Linux) 7.4.1 Release Notes

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# atoChange log

Date	Change description
2024-11-01	Initial release.

# Introduction

This document provides a summary of enhancements, support information, and installation instructions for FortiClient (Linux) 7.4.1 build 1697.

This document includes the following sections:

- [Special notices on page 6](#)
- [What's new in FortiClient \(Linux\) 7.4.1 on page 7](#)
- [Installation information on page 8](#)
- [Product integration and support on page 11](#)
- [Resolved issues on page 12](#)
- [Known issues on page 14](#)

Review all sections prior to installing FortiClient.

## Licensing

See [Windows, macOS, and Linux endpoint licenses](#).

# Special notices

## ZTNA certificates

Zero trust network access (ZTNA) certificate provisioning requires Trusted Platform Module (TPM) 2.0 on the endpoint with one of the following:

- Maximum of TLS 1.2 in FortiOS
- Maximum of TLS 1.3 in FortiOS if the TPM 2.0 implementation in the endpoint supports RSA PSS signatures

For ZTNA tags for checking certificates, FortiClient (Linux) does not check user certificates and only checks root certificate authority certificates installed on the system. These routes are:

Operating system	Route
Ubuntu	<code>/etc/ssl/certs/ca-certificates.crt</code>
<ul style="list-style-type: none"><li>• CentOS</li><li>• Red Hat</li></ul>	<code>/etc/pki/tls/certs/ca-bundle.crt</code>

## 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 versions below:

- 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>

# What's new in FortiClient (Linux) 7.4.1

For information about what's new in FortiClient 7.4.1, see [FortiClient & FortiClient EMS 7.4 New Features](#).

# Installation information

## Installing FortiClient (Linux)

You can install FortiClient (Linux) on the following operating systems:

- Ubuntu
- CentOS
- Red Hat

For supported versions, see [Product integration and support on page 11](#).

FortiClient (Linux) 7.4.1 features are only enabled when connected to EMS.



You must upgrade EMS to 7.2 or a later version before upgrading FortiClient.

---

See [Recommended upgrade path](#) for information on upgrading FortiClient (Linux) 7.4.1.

## Install FortiClient (Linux) from [repo.fortinet.com](https://repo.fortinet.com)

### To install on Red Hat or CentOS:

1. Add the repository:

```
sudo yum-config-manager --add-repo  
https://repo.fortinet.com/repo/forticlient/7.4/centos/8/os/x86_64/fortinet.repo
```

2. Install FortiClient:

```
sudo yum install forticlient
```

### To install on Fedora:

1. Add the repository:

```
sudo dnf config-manager --add-repo  
https://repo.fortinet.com/repo/forticlient/7.4/centos/8/os/x86_64/fortinet.repo
```

2. Install FortiClient:

```
sudo yum install forticlient
```

### To install on Ubuntu:

1. Install the gpg key:

```
wget -O - https://repo.fortinet.com/repo/forticlient/7.4/debian/DEB-GPG-KEY | gpg --  
dearmor | sudo tee /usr/share/keyrings/repo.fortinet.com.gpg
```

2. Create `/etc/apt/sources.list.d/repo.fortinet.com.list` with the following content:

```
deb [arch=amd64 signed-by=/usr/share/keyrings/repo.fortinet.com.gpg]  
https://repo.fortinet.com/repo/forticlient/7.4/debian/ stable non-free
```



3. Update package lists:  
`sudo apt-get update`
4. Install FortiClient:  
`sudo apt install forticlient`

## Installing FortiClient (Linux) using a downloaded installation file

### To install on Red Hat or CentOS:

1. Obtain a FortiClient (Linux) installation rpm file.
2. In a terminal window, run the following command:  

```
$ sudo dnf install <FortiClient installation rpm file> -y
```

`<FortiClient installation rpm file>` is the full path to the downloaded rpm file.

If running Red Hat 7, replace `dnf` with `yum` in the command in step 2.

### To install on Ubuntu:

1. Obtain a FortiClient Linux installation deb file.
2. Install FortiClient using the following command:  

```
$ sudo apt-get install <FortiClient installation deb file>
```

`<FortiClient installation deb file>` is the full path to the downloaded deb file.

## Installation folder and running processes

The FortiClient installation folder is `/opt/forticlient`.

In case there are issues, or to report a bug, FortiClient logs are available in `/var/log/forticlient`.

## Starting FortiClient (Linux)

FortiClient (Linux) runs automatically in the backend after installation.

### To open the FortiClient (Linux) GUI:

1. Do one of the following:
  - a. In the terminal, run the `forticlient` command.
  - b. Open Applications and search for `forticlient`.

After running the FortiClient (Linux) GUI for the first time, you can add it to the favorites menu. By default, the favorites menu is usually on the left-hand side of the screen.

## Uninstalling FortiClient (Linux)

You cannot uninstall FortiClient while it is connected to EMS. Disconnect FortiClient from EMS before uninstalling it.

**To uninstall FortiClient from Red Hat or CentOS:**

```
$ sudo dnf remove forticlient
```

If running Red Hat 7 or CentOS 7, replace `dnf` with `yum` in the command.

**To uninstall FortiClient from Ubuntu:**

```
$ sudo apt-get remove forticlient
```

# Product integration and support

The following table lists version 7.4.1 product integration and support information:

<b>Operating systems</b>	<ul style="list-style-type: none"><li>• Ubuntu 22.04 and 24.04.</li><li>• CentOS Stream 9</li><li>• Red Hat 9 and later</li><li>• Fedora 36 and later</li></ul> All supported with KDE or GNOME
<b>AV engine</b>	<ul style="list-style-type: none"><li>• 7.00026</li></ul>
<b>FortiAnalyzer</b>	<ul style="list-style-type: none"><li>• 7.4.0 and later</li><li>• 7.2.0 and later</li><li>• 7.0.0 and later</li></ul>
<b>FortiAuthenticator</b>	<ul style="list-style-type: none"><li>• 6.5.0 and later</li><li>• 6.4.0 and later</li><li>• 6.3.0 and later</li><li>• 6.2.0 and later</li></ul>
<b>FortiClient EMS</b>	<ul style="list-style-type: none"><li>• 7.4.0</li><li>• 7.2.0 and later</li></ul>
<b>FortiEDR for Linux hF10</b>	<ul style="list-style-type: none"><li>• 5.1.10.1024</li></ul>
<b>FortiManager</b>	<ul style="list-style-type: none"><li>• 7.4.0 and later</li><li>• 7.2.0 and later</li><li>• 7.0.0 and later</li></ul>
<b>FortiOS</b>	<p>The following FortiOS versions support zero trust network access with FortiClient (Linux) 7.4.1:</p> <ul style="list-style-type: none"><li>• 7.4.0 and later</li><li>• 7.2.0 and later</li><li>• 7.0.6 and later</li></ul> <p>The following FortiOS versions support SSL VPN with FortiClient (Linux) 7.4.1:</p> <ul style="list-style-type: none"><li>• 7.4.0 and later</li><li>• 7.2.0 and later</li><li>• 7.0.0 and later</li><li>• 6.4.0 and later</li></ul>
<b>FortiSandbox</b>	<ul style="list-style-type: none"><li>• 4.4.0 and later</li><li>• 4.2.0 and later</li><li>• 4.0.0 and later</li><li>• 3.2.0 and later</li></ul>

## Resolved issues

The following issues have been fixed in version 7.4.1. For inquiries about a particular bug, contact [Customer Service & Support](#).

### Avatar and social login information

Bug ID	Description
969058	FortiClient (Linux) appearing periodically after enabling <i>Notify Users to Submit User Identity Information</i> .

### Endpoint security

Bug ID	Description
1032585	FortiClient (Linux) fails to retrieve AV signatures.

### Logs

Bug ID	Description
1046405	FortiClient (Linux) generates system log for certificate too frequently.

### Malware Protection and Sandbox

Bug ID	Description
1062617	Antivirus schedules scan creating GUI notification even if <i>Malware Protection</i> is disabled.

## Remote Access - SSL VPN

Bug ID	Description
775275	FortiClient (Linux) does not support the dual stack option.
1006588	FortiClient (Linux) experiencing DNS issues.

## Web filter and plugin

Bug ID	Description
1036086	Some URLs fail to load while <i>Web Filter</i> is enabled with no restriction.
1067489	FortiClient (Linux) generates SSL inspection certificate too frequently.

## Vulnerability scan

Bug ID	Description
913032	FortiClient EMS doesn't update the vulnerability events correctly after vulnerability scan is performed from FortiClient (Linux).

## Zero Trust telemetry

Bug ID	Description
1055456	Endpoint reregistered back with old FortiClient EMS Cloud instance when using switch option.

# Known issues

Known issues are organized into the following categories:

- [New known issues on page 14](#)
- [Existing known issues on page 15](#)

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 7.4.1.

### Endpoint control

Bug ID	Description
1031812	User can turn off Autoconnect on FortiClient (Linux) when it's pushed from EMS.
1092354	Autoconnecting only when off net doesn't work in FortiClient (Linux).

### Remote Access - IPsec VPN

Bug ID	Description
968442	IKEv2 with <code>ipv4_split_exclude_networks</code> not working in FortiClient (Linux).
968473	FortiClient (Linux) IPsec IKEv2 rekey fails.
1076413	DNS is not established locally when split DNS with full tunnel IPsec IKEv2 VPN configured on the FortiGate.
1086259	FortiClient (Linux) user interface issues with IPsec IKEv2 (over TCP) configuration.

### Remote Access - SSL VPN

Bug ID	Description
1087119	VPN CLI commands fail after shutdown and restart of FortiClient (Linux).
1091033	SSL VPN with exclusive-routing enabled and FortiGate and FortiClient (Linux) in the same subnet does not disconnect gracefully.

## Vulnerability Scan

Bug ID	Description
1043799	FortiClient (Linux) fails to patch some OS vulnerabilities whose action is auto-patch.

## ZTNA connection rules

Bug ID	Description
1087113	ZTNA is not working when subnet mask configured in EMS ZTNA rule.

## Existing known issues

No existing known issues have been identified in a previous version of FortiClient (Linux) and remain in FortiClient (Linux)7.4.1.

# Numbering conventions

Fortinet uses the following version number format:

<First number>.<Second number>.<Third number>.<Fourth number>

Example: 7.4.1.15

- First number = major version
- Second number = minor version
- Third number = maintenance version
- Fourth number = build version

Release Notes pertain to a certain version of the product. Release Notes are revised as needed.





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