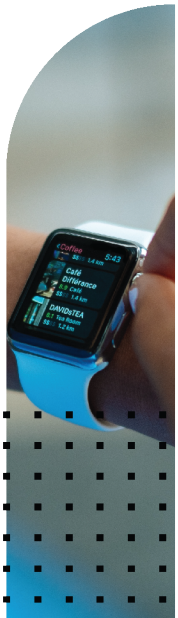
Release Notes

FortiClient (Linux) 7.0.11



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FortiClient (Linux) 7.0.11 Release Notes
04-7011-983831-20240131

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Change log

Date	Change description
2024-01-31	Initial release.

Introduction

FortiClient (Linux) 7.0.11 is an endpoint product for well-known Linux distributions that provides FortiTelemetry, antivirus, SSL VPN, and Vulnerability Scan features. FortiClient (Linux) can also download and use FortiSandbox signatures.

This document provides a summary of support information and installation instructions for FortiClient (Linux) 7.0.11 build 0369.

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	`/etc/ssl/certs/ca-certificates.crt`
• CentOS • Red Hat	`/etc/pki/tls/certs/ca-bundle.crt`

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 9.

FortiClient (Linux) 7.0.8 features are only enabled when connected to EMS 7.0 or 7.2.

You must upgrade EMS to 7.0.2 or newer before upgrading FortiClient.

See Recommended upgrade path for information on upgrading FortiClient (Linux) 7.0.11.

FortiClient (Linux) 7.0.11 is not available to install from repo.fortinet.com.

Installing FortiClient (Linux) using a downloaded installation file

To install on Red Hat or CentOS 8:

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 or CentOS 7, replace `dnf` with `yum` in the command in step 2.

To install on Ubuntu or Debian:

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
```

To uninstall FortiClient from Ubuntu:

```
$ sudo apt-get purge forticlient
```

Product integration and support

The following table lists version 7.0.11 product integration and support information:

Operating systems	• Ubuntu 22.04 and later • CentOS Stream 9 and later • Red Hat 9 and later All supported with KDE or GNOME
AV engine	• 6.00287
FortiAnalyzer	• 7.4.0 and later • 7.2.0 and later • 7.0.0 and later
FortiClient EMS	• 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
FortiOS	The following FortiOS versions support zero trust network access with FortiClient (Linux) 7.0.11: • 7.2.0 and later • 7.0.6 and later The following FortiOS versions support SSL VPN with FortiClient (Linux) 7.0.11: • 7.4.0 and later • 7.2.0 and later • 7.0.0 and later • 6.4.0 and later • 6.2.0 and later
FortiSandbox	• 4.2.0 and later • 4.0.0 and later • 3.2.0 and later • 3.1.0 and later

Resolved issues

The following issues have been fixed in version 7.0.11. For inquiries about a particular bug, contact Customer Service & Support.

Remote Access

Bug ID	Description
960118	With `<prefer_sslvpn_dns>=0`, when SSL VPN is up, FortiClient adds dns-suffix to all network interfaces.

Common Vulnerabilities and Exposures

Bug ID	Description
898817	FortiClient (Linux) 7.0.11 is no longer vulnerable to the following CVE Reference: • CVE-2023-45590

Known issues

The following issues have been identified in FortiClient (Linux) 7.0.11. For inquiries about a particular bug or to report a bug, contact Customer Service & Support.

Avatar and social login information

Bug ID	Description
878050	FortiClient (Linux) avatar does not update on FortiGate dashboards and FortiGate cannot show updated information.

GUI

Bug ID	Description
972930	FortiClient has delay in opening the embedded or external browser after clicking *SAML* button for VPN connection.

Malware Protection and Sandbox

Bug ID	Description
888356	User can stop antivirus quick/full scan triggered from EMS.

License

Bug ID	Description
874676	Endpoint is tagged with existing zero trust network access (ZTNA) host tags for vulnerabilities and antivirus after EMS license is updated from Endpoint Protection Platform to Remote Access.

Logs

Bug ID	Description
872875	Disabling *Client-Based Logging When On-Fabric* in EMS does not work for Linux endpoints.
956357	FortiClient (Linux) keeps sending logs to FortiAnalyzer.
979669	User avatar fails to upload to FortiAnalyzer.

Remote Access

Bug ID	Description
679023	If FortiClient is registered to EMS, EMS and FortiOS should control save-password, always-up and auto-connect.
781762	FortiSASE SSL VPN SAML autoconnect does not work.
782013	FortiSASE SSL VPN SAML always up does not work.
825387	SSL VPN with SAML when fully qualified domain name with DNS round robin is used for load balancing does not work.
851600	FortiClient fails to connect to SSL VPN with FQDN resolving to multiple IP addresses while FortiClient (Linux) could not reach resolved IP address.
871028	When SSL and IPsec VPN profile options are disabled, FortiClient (Linux) can connect to VPN.
876539	FortiClient (Linux) cannot resolve domain name properly using DNS server pushed by SSL VPN in Red Hat 9.
892847	FortiClient always saves SAML credentials. Credentials window is unavailable on subsequent login.
893237	User has no chance to reenter password during autoconnect after identity provider password change.
968070	`<disallow_invalid_server_certificate>` does not parse correctly in FortiClient (Linux).

Configuration

Bug ID	Description
730415	FortiClient (Linux) backs up configuration that is missing locally configured ZTNA connection rules.

Endpoint Control

Bug ID	Description
870938	Quarantined Linux client can connect to VPN via CLI.

Endpoint management

Bug ID	Description
891264	EMS creates duplicate records for domain-joined Ubuntu endpoints.

Vulnerability Scan

Bug ID	Description
832731	FortiClient server version `forticlient vulscan scan` command returns no vulnerabilities.

ZTNA connection rules

Bug ID	Description
803402	Zero trust network access (ZTNA) certificate is not stored in snap installed Firefox in Ubuntu 22.04.

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