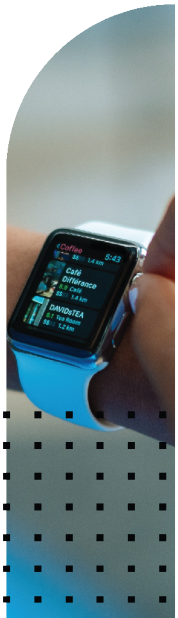
Release Notes

FortiClient (Linux) 7.0.0



FORTINET DOCUMENT LIBRARY
https://docs.fortinet.com

FORTINET VIDEO GUIDE
https://video.fortinet.com

FORTINET BLOG
https://blog.fortinet.com

CUSTOMER SERVICE & SUPPORT
https://support.fortinet.com

FORTINET TRAINING & CERTIFICATION PROGRAM
https://www.fortinet.com/training-certification

NSE INSTITUTE
https://training.fortinet.com

FORTIGUARD CENTER
https://www.fortiguard.com

END USER LICENSE AGREEMENT
https://www.fortinet.com/doc/legal/EULA.pdf

FEEDBACK
Email: techdoc@fortinet.com

April 27, 2021
FortiClient (Linux) 7.0.0 Release Notes
04-700-705514-20210427

TABLE OF CONTENTS

Change log

Date	Change Description
2021-04-27	Initial release.

Introduction

FortiClient (Linux) 7.0.0 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) 7.0.0 build 0018.

Review all sections prior to installing FortiClient.

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.

If upgrading from FortiClient (Linux) 6.0.3 or an earlier version using an RPM package, you must first uninstall any version of FortiClient (Linux) earlier than 7.0.0 from the machine.

If upgrading from FortiClient (Linux) 6.0.4 or a later version, you can directly upgrade to FortiClient (Linux) 7.0.0 without first uninstalling the earlier version of FortiClient (Linux).

Install FortiClient (Linux) from repo.fortinet.com

To install on Red Hat or CentOS 8:

1. Add the repository:
```
sudo dnf config-manager --add-repo https://repo.fortinet.com/repo/7.0/centos/8/os/x86_64/fortinet.repo
```
2. Install FortiClient:
```
sudo dnf install forticlient
```

To install on Red Hat or CentOS 7:

1. Add the repository:
```
sudo yum-config-manager --add-repo https://repo.fortinet.com/repo/7.0/centos/8/os/x86_64/fortinet.repo
```
2. Install FortiClient:
```
sudo yum install forticlient
```

To install on Fedora 32:

1. Add the repository:
```
sudo dnf config-manager --add-repo https://repo.fortinet.com/repo/7.0/centos/8/os/x86_64/fortinet.repo
```
2. Install FortiClient:
```
sudo dnf install forticlient
```

To install on Ubuntu:

1. Install the gpg key:
   `wget -O - https://repo.fortinet.com/repo/7.0/ubuntu/DEB-GPG-KEY | sudo apt-key add -`
2. Add the following line in `/etc/apt/sources.list`:
   a. If using Ubuntu 16.04 LTS:
      `deb [arch=amd64] https://repo.fortinet.com/repo/7.0/ubuntu/ xenial multiverse`
   b. If using Ubuntu 18.04 LTS or 20.04:
      `deb [arch=amd64] https://repo.fortinet.com/repo/7.0/ubuntu/ /bionic multiverse`
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 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:

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)

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 7.0.0 product integration and support information:

Operating systems	• Ubuntu 16.04 and later • CentOS 7.4 and later • Red Hat 7.4 and later All supported with KDE or GNOME
FortiAnalyzer	• 7.0.0 and later
FortiClient EMS	• 7.0.0 and later
FortiManager	• 7.0.0 and later
FortiOS	The following FortiOS versions support SSL VPN with FortiClient (Linux) 7.0.0: • 7.0.0 and later • 6.4.0 and later • 6.2.0 and later • 6.0.0 and later
FortiSandbox	• 3.2.0 and later • 3.1.0 and later • 3.0.0 and later • 2.5.0 and later

Resolved issues

The following issues have been fixed in version 7.0.0. For inquiries about a particular bug, contact Customer Service & Support.

Telemetry

Bug ID	Description
711878	User identity feature does not work.

Endpoint control

Bug ID	Description
671898	File system XFS does not allow FortiAnalyzer logging.
694549	VPN disconnection does not trigger FCCK-TAG message.
713263	FortiClient fails to migrate from one EMS multitenancy default site to another on-premise EMS default site.

GUI

Bug ID	Description
708356	Unlock settings button is missing in Ubuntu 20.
710533	VPN settings page shows checkbox for invalid certificate warning option when the option has been removed.
711081	Real-time protection incorrectly displays status as unknown after FortiClient (Linux) quarantines the file.
711883	Text in virus alert is not visible in dark mode.
713610	FortiClient (Linux) fails to use customized avatar.
713741	FortiClient (Linux) shows blank page after rebooting system on CentOS 8.2.

Remote Access

Bug ID	Description
703978	FortiClient (Linux) SSL VPN SAML does not send EMS serial number to FortiSASE SIA.
705385	FortiClient installed on Ubuntu 20.04.2 cannot select PFX certificate for SSL VPN.
711513	FortiClient fails to connect VPN and GUI goes blank on CentOS 8.2.

Other

Bug ID	Description
704532	"NN_USOCK_ERROR" on nanomsg socket library kills fctsched process.
711910	forticlient-scheduler shows lots of errors in system logs.

Known issues

The following issues have been identified in FortiClient (Linux) 7.0.0. For inquiries about a particular bug or to report a bug, contact Customer Service & Support.

Endpoint control

Bug ID	Description
655974	FortiClient-generated software inventory creates logs every two minutes on CentOS 8.2.
676150	FortiClient (Linux) cannot get software inventory from CentOS server.
698060	FortiClient reregisters and resends all information after coming back online.
698378	FortiClient sends deprecated fields to EMS.
707047	FortiClient (Linux) Linux shows EMS is unreachable when EMS is reachable and online.

Malware Protection

Bug ID	Description
714594	CLI displays error message while performing antivirus (AV) scan.

Vulnerability Scan

Bug ID	Description
709102	FortiClient (Linux) fails to patch vulnerabilities on CentOS 8.

Remote Access

Bug ID	Description
684913	SAML authentication on SSL VPN with realms does not work.

Bug ID	Description
703319	Zero Trust Network Access Linux endpoint is not tagged when connected via SSL VPN to the FortiGate.
711970	When FortiClient (Linux) is connected to EMS and VPN tunnel disconnects, the DNS entries in `/etc/resollv.conf` are not removed.
712244	In CLI version, warn on invalid certificate option is still available under individual VPN profile settings.
712248	When editing an existing VPN profile, FortiClient (Linux) does not display default client certificate value.
713024	Autoconnect/always up does not work as FortiClient (Linux) fails to save username.
714564	SAML connection stays in connecting state and never returns with error when FortiGate gateway is inaccessible.
714758	VPN daemon crashes.

GUI

Bug ID	Description
707035	FortiClient (Linux) fails to allow user to back up configuration when registered to EMS.
710726	JavaScript error while logged into LinkedIn account.
711883	Text in virus alert is not visible in dark mode.

Telemetry

Bug ID	Description
711389	EMS administrator cannot see software inventory that FortiClient running on Ubuntu 20.04.2 sent to EMS.
711871	FortiClient fails to refresh the EMS record list after reregistering with EMS.

Logs

Bug ID	Description
714642	FortiClient reports host IP address as EMS host IP address to FortiAnalyzer.

Other

Bug ID	Description
698790	Configuration file `/etc/forticlient/config.db` is modified since installation.
707762	Bootable USB ISO does not have FortiClient (Linux) installed in the directory.
714049	FortiClient (Linux) does not automatically update AV signatures when user is not logged in.

www.fortinet.com