FortiClient (Linux) - Release Notes

Version 6.4.7

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FortiClient (Linux) 6.4.7 Release Notes
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Change log

Date	Change Description
2021-11-25	Initial release.

Introduction

FortiClient (Linux) 6.4.7 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) 6.4.7 build 1024.

Review all sections prior to installing FortiClient.

Special notices

Endpoint security improvement

EMS 6.4.7 adds an improvement to endpoint security that impacts compatibility between FortiClient and EMS, and the recommended upgrade path. The FortiClient 6.4.7 installer is not available on FortiGuard Distribution Servers (FDS). To install the FortiClient 6.4.7 installer, you must download it from Customer Service & Support. See Endpoint security improvement.

If the EMS server certificate is invalid, and FortiClient is upgraded to 6.4.7, by default, FortiClient displays a warning message on the GUI when trying to connect to the EMS. The end user should click *allow* to complete the connection. FortiClient does not connect to the EMS if the end user selects *deny*. If the end user selects *deny*, FortiClient retries connecting to the EMS after a system reboot. The same warning message displays while trying to connect to the EMS. The end user should click *allow* to complete the connection.

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 10.

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 6.4.7 from the machine.

If upgrading from FortiClient (Linux) 6.0.4 or a later version, you can directly upgrade to FortiClient (Linux) 6.4.7 without first uninstalling the earlier version of FortiClient (Linux).

You must upgrade EMS to 6.4.7 before upgrading FortiClient.

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

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/6.4/centos/7/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/6.4/centos/7/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/6.4/centos/7/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/6.4/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/6.4/ubuntu/ xenial multiverse
      ```
   b. If using Ubuntu 18.04 LTS or 20.04:
      ```
      deb [arch=amd64] https://repo.fortinet.com/repo/6.4/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 6.4.7 product integration and support information:

Operating systems	• Ubuntu 18.04 and later • CentOS 7.4 and later, CentOS 8 Stream and later • Red Hat 7.4 and later All supported with KDE or GNOME
FortiAnalyzer	• 7.0.0 and later • 6.4.0 and later
FortiAuthenticator	• 6.3.0 and later • 6.2.0 and later • 6.1.0 and later • 6.0.0 and later
FortiClient EMS	• 7.0.0 and later • 6.4.1 and later
FortiManager	• 6.4.0 and later
FortiOS	The following FortiOS versions support SSL VPN with FortiClient (Linux) 6.4.7: • 7.0.0 and later • 6.4.0 and later • 6.2.0 and later • 6.0.0 and later The following FortiOS versions support endpoint control and SSL VPN with FortiClient (Linux) 6.4.7: • 6.2.0 and later
FortiSandbox	• 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 6.4.7. For inquiries about a particular bug, contact Customer Service & Support.

Endpoint control

Bug ID	Description
655974	FortiClient generates software inventory log every two minutes on CentOS 8.2.

GUI

Bug ID	Description
719305	Free VPN fails to restore FortiClient (Linux) configuration because unlock button fails to work.

Malware Protection

Bug ID	Description
683410	Real-time protection is down due to race condition.

Vulnerability Scan

Bug ID	Description
717282	FortiClient (Linux) should patch vulnerabilities based on detected application other than vulnerability list.

Remote Access

Bug ID	Description
711970	While FortiClient (Linux) is connected to EMS and VPN tunnel is disconnected, the DNS entries in `/etc/resollv.conf` are not removed.
714338	FortiClient does not revert DNS setting after operating system suspends while VPN is connected.

Other

Bug ID	Description
698790	Configuration file `/etc/forticlient/config.db` modified since installation.

Known issues

The following issues have been identified in FortiClient (Linux) 6.4.7. For inquiries about a particular bug or to report a bug, contact Customer Service & Support.

Endpoint control

Bug ID	Description
651435	Quarantined FortiClient Linux can access network after system reboot.
656494	FortiClient stays registered after EMS expires and ten days grace period passes.
713459	scanunit accompanies FortiClient (Linux) crash.
759776	Vulnerability events are not removed from EMS after successful patch.

Malware Protection

Bug ID	Description
609722	FortiClient (Linux) should send antivirus quarantined files to EMS quarantine management.
718680	FortiClient (Linux) threats detected statistics are missing access denied detection.

Vulnerability Scan

Bug ID	Description
709102	FortiClient (Linux) fails to patch vulnerabilities but shows no error messages.

Remote Access

Bug ID	Description
714564	SAML connection stays in connecting state and never returns with error when FortiGate gateway is inaccessible.

Bug ID	Description
719871	SSL VPN connection always fails after fresh installing FortiClient (Linux) on CentOS.

Other

Bug ID	Description
717106	FortiClient (Linux)-related daemon stays running after FortiClient (Linux) deregisters from EMS.