

Installation Guide for F-Secure Anti-Virus for Linux

1. Short Installation Guide

1. Stop all running instances of fsavd(8) if you're upgrading the product

from a previous version.

2. Make the installation package executable:

```
# chmod a+x fsav-srv-4.52.XXXX
```

3. Execute the package:

```
# ./fsav-srv-4.52.XXXX
```

4. The installer asks for the license key. Enter the key code to continue, leave blank and press <ENTER> to continue for evaluation of the product or press CTRL-C to cancel the installation.
5. The installer asks some questions. Press ENTER to accept the default value for each question.

After the installation, type "**fsav --version**" to verify that the installation was successful. The output should show product, scan engine and database versions.

2. Detailed Installation Instructions

F-Secure Anti-Virus for Linux is installed by executing the installation package as root or regular user and answering questions asked by the installation program. Here are step-by-step instructions for the installation:

1. If you want to make system a wide installation of F-Secure Anti-Virus for Linux, you must run the installation as "root".

```
$ su
```

2. Make sure that the installation package is an executable and execute it.
3. Enter the keycode.

Please enter your license key for F-Secure Anti-Virus for Linux Server: **keycode**

4. Select the installation directory. The default directory is displayed in brackets. To select the default, just press **enter**.

Where would you like F-Secure Anti-Virus to be installed [/opt/f-secure/fsav]?

5. Select if you want to create a symbolic link of **fsav** to a directory in the system path. If you answer “yes”, the installation program creates a symbolic link for **fsav** from the installation directory to /usr/bin.

Would you like to create the symbolic link [yes]?

6. Select if you want to create symbolic links for manual pages to system manual pages directory. If you answer “yes”, the installation program creates symbolic links for manual pages from the installation directory to /usr/share/man. If /usr/share/man doesn't exist, /usr/man is used.

Would you like to create the symbolic links to /usr/share/man [yes]?

7. It is *highly recommended* to update Virus Description Databases regularly. Therefore, the installation program gives you a chance to schedule an automatic database update using cron. Just answer “yes” (or press **enter**) to schedule the database update. You can also run **fsavschedule** at a later date to schedule the update.

Would you like to schedule an automatic daily database update run [yes]?

8. Virus Definition Databases should be kept as up-to-date as possible. Therefore, the update run is scheduled every hour by default. Since databases are actually updated only when they have changed, **dbupdate** is not very resource intensive.

How often would you like updates to be performed (hourly/daily) [hourly]?

hourly

9. It is also possible to schedule cron jobs to scan directories in the filesystem. You can also schedule directory scans with **fsavschedule** at a later date. You should skip this step for now by answering “no” (or pressing **enter**).

Would you like to schedule an automatic virus scan [no]?

10. The installation package contains Virus Definition Databases from the date installation package was created. Since Virus Definition Databases change daily, the installation asks if you want to check for updates. If you answer “yes” to this question, the installation program will use **dbupdate** to fetch latest Virus Description Databases from F-Secure's web site.

Would you like to check for updates for this product now [yes]?

11. As the last step, the installation program runs a complete virus check on the filesystem. This may take long time, because everything starting from / directory will be scanned.

Would you like to run a virus scan now [no]?

The installation is now completed and F-Secure Anti-Virus for Linux is installed in the installation directory specified at the start of the installation. Type **fsav --version** to verify that the installation was successful. The output should show the product, scan engine and database versions.

The installation creates a log at `/opt/f-secure/fsav/install.log`. Other log files are the **dbupdate** log in `/var/opt/f-secure/fsav/databases/dbupdate.log` and the **getdbhttp** log in `/var/opt/f-secure/fsav/update/getdbhttp.log`.

3. Uninstallation Instructions

F-Secure Anti-Virus for Linux is uninstalled simply by removing the installation directory specified in the beginning of the installation. If you have system wide installation, you have to remove `/var/opt/f-secure/fsav/` directory and its subdirectories, also.

System wide installation may have created symbolic links for **fsav** executable and man pages. You have to remove them. These are:

- `/usr/bin/fsav`
- `/usr/share/man/man1/fsav.1`
- `/usr/share/man/man5/fsav.conf.5`
- `/usr/share/man/man8/dbupdate.8`
- `/usr/share/man/man8/fsavd.8`
- `/usr/share/man/man8/fsavschedule.8`

Symbolic links may have been installed to some other directory. The installation program may create manual page links under `/usr/share/man`, `/usr/man` or `/opt/man/` depending which of these directories exist.

GNU “find” command has a usefull option `-lname` that can be used to list or remove these links. For example, **find /usr -lname /opt/f-secure/fsav/*** lists all symbolic links under `/usr` that point to a file under `/opt/f-secure/fsav`.