

SOPHOS

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Sophos Anti-Virus for Linux Free Edition startup guide

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1 About this guide

This guide tells you how to install the Free Edition of Sophos Anti-Virus on a Linux computer.

You can find details of all configuration options in the man pages and the [Sophos Anti-Virus for Linux configuration guide](#).

Sophos documentation is published at www.sophos.com/en-us/support/documentation.

2 What's in the Free Edition?

The Free Edition of Sophos Anti-Virus for Linux offers the same protection as the supported product. It also includes free updates.

However, the Free Edition:

- Does not include technical support from Sophos.
- Cannot be centrally managed.

You can upgrade to the supported product any time. This guide includes instructions for upgrading.

3 System requirements

For system requirements, go to the system requirements page of the Sophos website (<http://www.sophos.com/en-us/products/all-system-requirements.aspx>).

For details of any additional requirements, for example for language support, see the "Additional information" section in the release notes.

4 Install Sophos Anti-Virus

You must be logged on to the computer as root. If you have already downloaded the installer, you can go straight to step 2.

1. If you haven't already downloaded the installer, do as follows:
 - a) Go to <http://www.sophos.com/en-us/products/free-tools.aspx>
 - b) Find Sophos Anti-Virus for Linux Free Edition and click **Download**. Follow the instructions to download the tarball to a temporary directory, for example `/tmp`.
2. Change to the temporary directory and untar the tarball:

```
tar -xzf tarball
```
3. Run the install script:

```
./sophos-av/install.sh
```
4. The installer guides you through the installation:
 - When prompted for the type of auto-update you want, select **Sophos**.
 - When prompted for the version you want, select **Free**.

Sophos Anti-Virus is installed in the directory that you selected.

You have finished installing Sophos Anti-Virus. Sophos Anti-Virus will update itself automatically from Sophos. By default, it will do this every 60 minutes, provided that the computer is connected to the internet.

By default, Sophos Live Protection is turned on. This checks suspicious files against the latest information in the SophosLabs database to decide whether they are malicious. If you want to turn off Live Protection, see the [Sophos Anti-Virus for Linux configuration guide](#).

Sophos Anti-Virus also sends product and platform information to Sophos to help us with product development. See [Sophos Knowledgebase Article 121214](#).

5 Check on-access scanning

On-access scanning is your main form of protection against viruses. Whenever you open, save or copy a file, Sophos Anti-Virus scans it and grants access to it only if it is safe.

By default, on-access scanning is active. If you want, you can check that it is active and start it if necessary.

Note: To use the commands in this section, you must be logged on to the computer as root.

This document assumes that you have installed Sophos Anti-Virus in the default location, `/opt/sophos-av`. If you have not, when you run a command, you must substitute the installation directory that you are using.

5.1 Check that on-access scanning is active

- To check that on-access scanning is active, type:
`/opt/sophos-av/bin/savdstatus`

5.2 Start on-access scanning

To start on-access scanning, do one of the following:

- Type:
`/opt/sophos-av/bin/savdctl enable`
- Use the appropriate tool to start the installed service `sav-protect`. For example, type:
`/etc/init.d/sav-protect start`
or
`service sav-protect start`

6 Scan the computer now

We recommend that you scan the whole computer for viruses right after you install Sophos Anti-Virus. To do this, you run an on-demand scan.

Note: This is especially important if the computer is a server and you want to minimize the risk of spreading viruses to other computers.

- To run an on-demand scan of the computer, type:
`savscan /`

7 What happens if viruses are detected

Regardless of whether viruses are detected by on-access scanning or an on-demand scan, by default Sophos Anti-Virus:

- Logs the event in syslog and the Sophos Anti-Virus log.
- Sends an email alert to root@localhost.

Sophos Anti-Virus also displays alerts according to whether the viruses were detected by on-access scanning or an on-demand scan, as explained below.

On-access scanning

If on-access scanning detects a virus, Sophos Anti-Virus denies access to the file and by default displays a desktop pop-up alert like the one shown below.



If the desktop pop-up alert cannot be displayed, a command-line alert is displayed instead.

For information about cleaning up viruses, see the *Sophos Anti-Virus for Linux configuration guide*.

On-demand scans

If an on-demand scan detects a virus, by default Sophos Anti-Virus displays a command-line alert. It reports the virus on the line which starts with >>> followed by either Virus or Virus Fragment:

```
SAVScan virus detection utility
Version 4.69.0 [Linux/Intel]
Virus data version 4.69
Includes detection for 2871136 viruses, Trojans and worms
Copyright (c) 1989-2012 Sophos Limited. All rights reserved.
```

```
System time 13:43:32, System date 11 June 2012

IDE directory is: /opt/sophos-av/lib/sav

Using IDE file nyrate-d.ide
. . . . .
Using IDE file injec-lz.ide

Quick Scanning

>>> Virus 'EICAR-AV-Test' found in file /usr/mydirectory/eicar.src

33 files scanned in 2 seconds.
1 virus was discovered.
1 file out of 33 was infected.
Please send infected samples to Sophos for analysis.
For advice consult www.sophos.com or email support@sophos.com
End of Scan.
```

For information about cleaning up viruses, see the *Sophos Anti-Virus for Linux configuration guide*.

8 Upgrade to the supported product

You can easily upgrade from the Free Edition of Sophos Anti-Virus to the supported product, if you have a license.

To upgrade, you change your updating settings, so that your computer or computers will download the supported software from now on.

The steps depend on whether you want to:

- **Upgrade a standalone installation.** This is the type of installation you have now.
- **Upgrade to installations managed by Sophos Cloud.** This lets you manage multiple computers from a web-based console.
- **Upgrade to installations managed by Enterprise Console.** This lets you manage multiple computers from a console on your server.

8.1 Upgrade a standalone installation

Before you start, ensure you have your license details.

You use the Sophos savsetup tool to upgrade your installation.

1. To run savsetup, type:
`/opt/sophos-av/bin/savsetup`
2. Select the option to display the **Updating configuration**.
3. Select **Sophos** as the update source.
In version 9.11 and later, you can specify primary and secondary update sources. For a standalone installation, you don't need to enter anything in the secondary update source.
4. When prompted, enter details of the proxy needed to access updates (if applicable).
5. To upgrade to the supported product, enter the username and password included with your license.

You have finished upgrading.

8.2 Upgrade to installations managed by Sophos Central

You can upgrade Sophos Anti-Virus so that it can be managed centrally by Sophos Central.

To upgrade:

1. Log in to Sophos Central.
2. Go to the **Protect Devices** tab.
3. Under **For your servers**, click **Linux** to download the Sophos Cloud installer.

4. Run the installer.

This detects your existing installation of Sophos Anti-Virus and enables Sophos Central to manage it.

8.3 Upgrade to installations managed by Enterprise Console

You can upgrade Sophos Anti-Virus so that it can be managed centrally by Sophos Enterprise Console.

To upgrade, you must:

- Subscribe to managed Sophos Anti-Virus.
- Set computers to auto-update with managed Sophos Anti-Virus.
- Start managing computers centrally.

8.3.1 Subscribe to managed Sophos Anti-Virus

You use Sophos Enterprise Console to sign up for managed Sophos Anti-Virus.

If you don't have Enterprise Console

Install Enterprise Console on a Windows server. During initial setup, ensure you select protection for **Linux**. For details, see the [Enterprise Console quick startup guide](#).

Then go to the next section.

If you already have Enterprise Console

1. On the **View** menu, click **Update Managers**.
2. In the **Software Subscriptions** pane, click the **Add** button at the top of the pane to create a new subscription.
3. In the **Software Subscription** dialog box, select **Linux**. In the drop-down list of available versions, accept the default **Recommended** version.

Then continue to the next section.

8.3.2 Set computers to auto-update with managed Sophos Anti-Virus

On each computer, use the Sophos savsetup tool to configure updating.

1. To run savsetup, type:
`/opt/sophos-av/bin/savsetup`
2. Select the option to display the **updating configuration**.
3. Select **From own server**. Then enter the location of the folder on your server where Enterprise Console puts updates.

Tip: To see the location of this folder, in Enterprise Console, on the **View** menu, click **Bootstrap Locations**. The location for each operating system is displayed.

4. In version 9.11 and later, you can enter a "secondary" update source. Sophos Anti-Virus will update from this source if it can't contact the primary source.

Note: The secondary source can be another folder on your network where Enterprise Console puts updates or it can be **Sophos**.

8.3.3 Start managing computers centrally

This section assumes you have already set up a group or groups of managed computers in Enterprise Console.

1. In Enterprise Console, in the **Groups** pane, click on the **Unassigned** group.
2. Find the Linux computer or computers you have upgraded. Drag them onto another group.

Enterprise Console will manage the computer or computers and will apply the policies you have set for that group.

9 Uninstall Sophos Anti-Virus

- To uninstall Sophos Anti-Virus, go to each Linux computer and run the uninstall script:
`/opt/sophos-av/uninstall.sh`

If the `savd` daemon is running, the script prompts you to stop it.

The uninstall script deletes:

- All entries from the system startup that are associated with Sophos Anti-Virus.
- The Sophos Anti-Virus man pages in `/usr/share/man`.
- The `savscan` on-demand scanner in `/usr/local/bin`.
- `/opt/sophos-av` and its contents.

10 Get help

You can get help with Sophos free tools in any of these ways:

- Visit the SophosFreeTalk forum at <http://openforum.sophos.com>.
- Visit the Sophos support knowledgebase at www.sophos.com/en-us/support.aspx.
- Download the product documentation at www.sophos.com/en-us/support/documentation.aspx.

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libmagic – file type detection

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pycrypto

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TinyXML XML parser

www.sourceforge.net/projects/tinyxml

Original code by Lee Thomason (www.grinninglizard.com)

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zlib data compression library

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