

SOPHOS

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Sophos Anti-Virus for UNIX startup guide

Product version: 9

Document date: September 2014



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1 About this guide

This guide tells you how to install Sophos Anti-Virus on networked and standalone UNIX computers.

You can find details of all configuration options in the man pages and the *Sophos Anti-Virus for UNIX configuration guide* for version 9.

Note: We recommend that you install Sophos Anti-Virus using Sophos Enterprise Console instead of the installation method described in this guide.

For information on how to install and centrally manage Sophos Anti-Virus using Sophos Enterprise Console, or how to use Sophos Anti-Virus in a mixed UNIX and Windows network, see the *Sophos Enterprise Console startup guide for Linux, NetWare, and UNIX* instead of this guide.

Sophos documentation is published at <http://www.sophos.com/en-us/support/documentation.aspx>.

2 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>).

3 About Sophos Anti-Virus for UNIX

3.1 What Sophos Anti-Virus does

Sophos Anti-Virus detects and deals with viruses (including worms and Trojans) on your UNIX computer. As well as being able to detect all UNIX viruses, it can also detect all non-UNIX viruses that might be stored on your UNIX computer and transferred to non-UNIX computers. It does this by scanning your computer.

3.2 How Sophos Anti-Virus protects your computer

Sophos Anti-Virus enables you to run an *on-demand scan*. An on-demand scan is a scan that you initiate. You can scan anything from a single file to everything on your computer that you have permission to read. You can either manually run an on-demand scan or schedule it to run unattended.

4 Installing Sophos Anti-Virus across a network

You install Sophos Anti-Virus on networked UNIX computers as follows:

1. Create a central installation directory (CID) on a server. This is a set of files that includes everything needed for installation.
2. Install Sophos Anti-Virus across the network from the CID.

4.1 Create the CID on the server

To perform this procedure, you must be logged on to your UNIX server as root.

1. Log in to <http://www.sophos.com/en-us/support/downloads.aspx> with your MySophos username and password.
2. On the web page for Endpoint Security and Data Protection downloads, click the link for anti-virus for UNIX.
3. On the web page that is displayed, download the Sophos Anti-Virus for UNIX, version 9 tarball to a temporary directory, for example `/tmp`.
4. Change to the temporary directory and untar the tarball:

```
tar -xvf tarball
```

5. Run the install script:
./sophos-av/install.sh

When prompted for the type of auto-update you require, select `Sophos`. Enter the username and password that are included with your license.

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

6. Run the update script to download the central installation files from Sophos:
/opt/sophos-av/bin/savupdate

A local cache directory is created by default in `/opt/sophos-av/update/cache/Primary/`.

The local cache directory is the installset that is used to update an installation of Sophos Anti-Virus. The local cache directory updates itself automatically from Sophos. By default, it updates every 60 minutes, provided that the server is connected to the internet.

7. Copy the local cache directory to a location that is accessible by all the other computers on the network to create a CID.

We recommend that the other computers have only read access to the CID.

You have finished creating the CID on the server.

4.2 Installing Sophos Anti-Virus from the CID

Having created the CID, you install Sophos Anti-Virus on the rest of the network as follows:

1. Create a deployment package that can be used to install Sophos Anti-Virus on other computers.
2. Install Sophos Anti-Virus on each computer using the deployment package.

4.2.1 Create a deployment package

To perform this procedure, you must be logged on to your UNIX server as root.

You can use the `mkinstpkg` script to create a deployment package for your end-users. This script uses the same display as the install script, and the answers gathered are inserted into the deployment package. When the end-user installs from the deployment package, it will not ask them any questions and will set up both the update location and credentials for them correctly.

To create a deployment package:

1. Go to the directory `/opt/sophos-av/update/`.
2. To create a tar format deployment package, called `savinstpkg.tar`, type:

```
./mkinstpkg
```

When prompted for the location from which to update, type the address of the CID as it appears to the other computers. Enter the username and password that are required to access that address, if applicable.

A deployment package is created.

3. Use your own tools to copy this package to the computers where you want to install Sophos Anti-Virus.

4.2.2 Install Sophos Anti-Virus using the deployment package

To perform this procedure, you must be logged on to the computer as root.

On each computer:

1. Place the deployment package in a temporary directory and change to that directory.
2. To install from the tar package, type:

```
tar -xvf savinstpkg.tar
```

```
./sophos-av/install.sh
```

This copies the necessary files from the server and installs Sophos Anti-Virus.

You have finished installing Sophos Anti-Virus on this computer. Sophos Anti-Virus will update itself automatically from the CID. By default, it will do this every 60 minutes.

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

5 Install Sophos Anti-Virus on a standalone computer

To perform this procedure, you must be logged on to the standalone computer as root.

1. Log in to <http://www.sophos.com/en-us/support/downloads.aspx> with your MySophos username and password.
2. On the web page for Endpoint Security and Data Protection downloads, click the link for anti-virus for UNIX.
3. On the web page that is displayed, download the Sophos Anti-Virus for UNIX, version 9 tarball to a temporary directory, for example `/tmp`.
4. Change to the temporary directory and untar the tarball:

```
tar -xvf tarball
```

5. Run the install script:

```
./sophos-av/install.sh
```

When prompted for the type of auto-update you require, select `Sophos`. Enter the username and password that are included with your license.

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

You have finished installing Sophos Anti-Virus on the standalone computer. 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.

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

6 Run an on-demand scan of the computer

Having just installed Sophos Anti-Virus, we recommend that you scan the whole computer for viruses, especially if it's a server and you want to minimize the possibility of spreading viruses to the other computers. To do this, you run an *on-demand scan*.

- 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 an on-demand scan or scheduled 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 displays a command-line alert if viruses are detected. 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 [UNIX/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 UNIX configuration guide*.

8 Uninstall Sophos Anti-Virus

- To uninstall Sophos Anti-Virus, go to each UNIX 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.

9 Technical support

You can find technical support for Sophos products in any of these ways:

- Visit the SophosTalk community at community.sophos.com/ and search for other users who are experiencing the same problem.
- 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/.
- Open a ticket with our support team at <https://secure2.sophos.com/support/contact-support/support-query.aspx>.

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If you have any suggestions, additions, comments, or questions, please let [me](#) know.

[Douglas C. Schmidt](#)

curl

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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 compression tools

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Jean-loup Gailly jloup@gzip.org

Mark Adler madler@alumni.caltech.edu

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