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# Sophos Enterprise Console startup guide for Linux and UNIX

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# 1 About this guide

This guide describes the procedure for installing Sophos Anti-Virus on Linux and UNIX computers, so that it is managed by Sophos Enterprise Console. The guide assumes that you have installed the management tools, as explained in the *Sophos Enterprise Console advanced startup 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 ([www.sophos.com/en-us/products/all-system-requirements.aspx](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.

You must have internet access in order to download the installation software from the Sophos website.

## 3 Protecting Linux computers

To protect Linux computers using a deployment package, you must:

- Install Sophos Anti-Virus on a Linux server for the first time manually.
- Create a deployment package.
- Install Sophos Anti-Virus on the rest of the Linux computers.

### 3.1 Install Sophos Anti-Virus for the first time manually

This section assumes that you have downloaded Sophos Anti-Virus, as explained in the *Sophos Enterprise Console advanced startup guide*.

1. To find out the path of the shared folder to which Sophos Anti-Virus has been downloaded, known as the bootstrap location:

- a) In Enterprise Console, on the **View** menu, click **Bootstrap Locations**.

In the **Bootstrap Locations** dialog box, the **Location** column displays the path of the bootstrap location for each platform.

- b) Make a note of the relevant path.

2. Log on to your Linux server as root.
3. Mount the bootstrap location.
4. Change to the bootstrap location.
5. Run the install script:

```
./install.sh
```

When prompted, choose to enable remote management.

When installation has finished, in Enterprise Console the Linux server appears in the **Unassigned** group.

6. If you have not done so already, in Enterprise Console create a new group where you want to put the Linux server.
7. Drag the server from the **Unassigned** group to this group.
8. By default, this group already has a default updating policy applied to it. If you need to edit the policy, see the Enterprise Console Help.
9. On the Linux server, trigger the first update:

```
/opt/sophos-av/bin/savupdate
```

Now create a deployment package.

## 3.2 Create a deployment package

You can use the `mkinstpkg` script to create a deployment package for your end-users. This script prompts you for information about how Sophos Anti-Virus will be installed on your Linux computers, and the answers gathered are inserted into the deployment package. When the end-user installs from this deployment package, it will not prompt for any information and will set up both the update location and credentials correctly. You can create a package in tar, RPM or deb format.

**Note:** The deb format is supported in Sophos Anti-Virus version 9.11 and later.

**Note:** The `mkinstpkg` script is for use within your organization only. Please read the license agreement and legal notice displayed by the `mkinstpkg` script.

**Note:** The instructions here show how to specify the package format. For details of other options you can use, see [Appendix: Command-line options for mkinstpkg](#) (page 12)

To create a deployment package:

1. On the Linux server where you installed Sophos Anti-Virus, change to the directory `/opt/sophos-av/update/`.
2. To create a package in the current directory, do one of the following:
  - To create a tar format deployment package, called `savinstpkg.tgz`, type:  
`./mkinstpkg`
  - To create an RPM format deployment package, called `savinstpkg-0.0-1.i586.rpm`, type:  
`./mkinstpkg -r`  
**Note:** The filename might be slightly different depending on the RPM setup.
  - To create a deb format deployment package called `savinstpkg.deb`, type:  
`./mkinstpkg -D`  
**Note:** The deb format is supported in Sophos Anti-Virus version 9.11 and later.
3. When prompted, choose to have the computers managed by Enterprise Console.
4. When prompted for the location, enter the bootstrap location (as seen from the Linux computers).

Now you are ready to install Sophos Anti-Virus using this deployment package.

## 3.3 Installing Sophos Anti-Virus using the deployment package

You use the package to install Sophos Anti-Virus in one of two ways:

- Manually on each computer. This approach can be used with a package in RPM or tar format.
- Automatically across the network. This approach can be used only with a package in RPM format.

### 3.3.1 Install Sophos Anti-Virus manually

1. Use your own tools to copy the deployment package to the computers where you want to install Sophos Anti-Virus.
2. Go to each computer and log in as root.
3. Place the deployment package in a temporary directory and change to that directory.
4. Do one of the following:

- To install from the tar package, type:

```
tar -zxvf savinstpkg.tgz
./sophos-av/install.sh
```

- To install from the RPM package, type:

```
rpm -i RPM package
```

- To install from the deb package, type:

```
dpkg -i deb package
```

The necessary files are copied from the server and Sophos Anti-Virus is installed. From now on, Sophos Anti-Virus will be updated automatically whenever the bootstrap location is updated.

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

### 3.3.2 Install Sophos Anti-Virus automatically

- To install Sophos Anti-Virus automatically from the deployment package, use one of the operating system administration tools that support remote deployment.

For more information, see the documentation for that tool.

Once Sophos Anti-Virus is installed, it will be started and will be updated automatically whenever the bootstrap location is updated.

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

## 4 Protecting UNIX computers

To protect UNIX computers, you must use a deployment package. To do this:

- Install Sophos Anti-Virus on a UNIX server for the first time manually.
- Create a deployment package.
- Install Sophos Anti-Virus on the rest of the UNIX computers.

**Note:** In the Japanese AIX environment, please specify "LANG=C" during installation.

### 4.1 Install Sophos Anti-Virus for the first time manually

This section assumes that you have downloaded Sophos Anti-Virus, as explained in the *Sophos Enterprise Console advanced startup guide*.

**Note:** If Sophos Anti-Virus version 4 is installed on your UNIX server, you must uninstall it before you install version 9. For information, see the [Sophos Anti-Virus for UNIX and Linux startup guide](#) for version 4.

1. To find out the path of the shared folder to which Sophos Anti-Virus has been downloaded, known as the bootstrap location:

- a) In Enterprise Console, on the **View** menu, click **Bootstrap Locations**.

In the **Bootstrap Locations** dialog box, the **Location** column displays the path of the bootstrap location for each platform.

- b) Make a note of the relevant path.

2. Log on to your UNIX server as root.
3. Mount the bootstrap location.
4. Change to the bootstrap location.
5. Run the install script:

```
./install.sh
```

When prompted, choose to enable remote management.

When installation has finished, in Enterprise Console the UNIX server appears in the **Unassigned** group.

6. If you have not done so already, in Enterprise Console create a new group where you want to put the UNIX server.
7. Drag the server from the **Unassigned** group to this group.
8. By default, this group already has a default updating policy applied to it. If you need to edit the policy, see the Enterprise Console Help.
9. On the UNIX server, trigger the first update:  
`/opt/sophos-av/bin/savupdate`

Now create a deployment package.



## 4.2 Create a deployment package

You can use the `mkinstpkg` script to create a deployment package for your end-users. This script prompts you for information about how Sophos Anti-Virus will be installed on your UNIX computers, and the answers gathered are inserted into the deployment package. When the end-user installs from this deployment package, it will not prompt for any information and will set up both the update location and credentials correctly. You can create a package in tar format.

**Note:** The `mkinstpkg` script is for use within your organization only. Please read the license agreement and legal notice displayed by the `mkinstpkg` script.

To create a deployment package:

1. On the UNIX server where you installed Sophos Anti-Virus, change to the directory `/opt/sophos-av/update/`.
2. To create a deployment package in tar format, called `savinstpkg.tar`, type:  
`./mkinstpkg`
3. When prompted, choose to have the computers managed by Enterprise Console.
4. When prompted for the location, enter the bootstrap location (as seen from the UNIX computers).

Now you are ready to install Sophos Anti-Virus using this deployment package.

## 4.3 Installing Sophos Anti-Virus using the deployment package

You use the package to install Sophos Anti-Virus in one of two ways:

- Manually on each computer.
- Automatically across the network.

### 4.3.1 Install Sophos Anti-Virus manually

1. Use your own tools to copy the deployment package to the computers where you want to install Sophos Anti-Virus.
2. Go to each computer and log in as root.
3. Place the deployment package in a temporary directory and change to that directory.
4. To install from the tar package, type:  
`tar -xvf savinstpkg.tar`  
`./sophos-av/install.sh`

The necessary files are copied from the server and Sophos Anti-Virus is installed. From now on, Sophos Anti-Virus will be updated automatically whenever the bootstrap location is updated.

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

### 4.3.2 Install Sophos Anti-Virus automatically

- To install Sophos Anti-Virus automatically from the deployment package, use one of the operating system administration tools that support remote deployment.

For more information, see the documentation for that tool.

Once Sophos Anti-Virus is installed, it will be started and will be updated automatically whenever the bootstrap location is updated.

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

## 5 Check the health of your network

To check the health of your network from Enterprise Console:

- View the Dashboard.

If it is not already displayed, on the **View** menu, click **Dashboard**.

The Dashboard shows you how many computers:

- Have detected threats.
- Are out of date.
- Do not comply with policies.

## 6 Appendix: Command-line options for mkinstpkg

The mkinstpkg tool creates a deployment package that end users can use to install Sophos Anti-Virus.

Here is a full list of the command-line options you can use with mkinstpkg. "=" at the end of the option means it takes an argument.

Option	Description
-d,--debug	Use the --debug option when the Sophos Anti-Virus installer is run.
-h,--help	Output help text
-o=,--output=	Destination for the package
-r,--rpm	Build an RPM package
-D,--deb	Build a DEB package
--tar	Build a tar file (default)
--update-proxy-address=	Proxy address to use when installing Sophos Anti-Virus over HTTP
--update-proxy-username=	Proxy username to use when installing Sophos Anti-Virus over HTTP
--update-proxy-password=	Proxy password to use when installing Sophos Anti-Virus over HTTP
--extra-options=	Extra installer options to use when installing Sophos Anti-Virus, for example: --extra-options="--preferFanotify"
-v,--verbose	Use the --verbose option when the Sophos Anti-Virus installer is run.
--rpm-version=	RPM version if building an RPM package
--rpm-release=	RPM release version if building an RPM package
--sophos	Update from Sophos rather than your own server

Option	Description
--update-type=	Specify where Sophos Anti-Virus will update from. Use "s" for updates from Sophos, or anything other than "s" for updates from your own server.
--sec-group=	The Enterprise Console group that computers will be added to when Sophos Anti-Virus is installed

## 7 Technical support

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

- Visit the Sophos Community at [community.sophos.com/](https://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](https://www.sophos.com/en-us/support.aspx).
- Download the product documentation at [www.sophos.com/en-us/support/documentation.aspx](https://www.sophos.com/en-us/support/documentation.aspx).
- Open a ticket with our support team at <https://secure2.sophos.com/support/contact-support/support-query.aspx>.

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