

SOPHOS

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Sophos Anti-Virus para Linux

Guía de inicio

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1 Acerca de esta guía

En esta guía encontrará información sobre cómo instalar Sophos Anti-Virus en estaciones Linux en red o independientes.

Para más información sobre las opciones de configuración, consulte la página man o el *Manual de usuario de Sophos Anti-Virus para Linux* versión 7.

Nota: si utiliza Sophos Anti-Virus en una red mixta Linux y Windows, o si desea administrar Sophos Anti-Virus de forma centralizada mediante Sophos Enterprise Console, consulte la *Guía de inicio de Sophos Endpoint Security and Control para Linux, NetWare y UNIX*.

La documentación de Sophos se encuentra en <http://esp.sophos.com/support/docs/>.

2 Requisitos del sistema

Consulte la página de requisitos del sistema en el sitio web de Sophos (<http://esp.sophos.com/products/all-sysreqs.html>).

3 Acerca de Sophos Anti-Virus para Linux

3.1 Función de Sophos Anti-Virus

Sophos Anti-Virus permite proteger ordenadores Linux contra virus, gusanos y troyanos. Además de amenazas para Linux , también puede detectar amenazas que afectan a otras plataformas. It does this by scanning your computer.

3.2 Protección de Sophos Anti-Virus

El *escaneado en acceso* es el principal método de protección contra virus. Al acceder (copiar, guardar o abrir) un archivo, Sophos Anti-Virus lo escanea y permite el acceso sólo si no supone una amenaza para el equipo.

Además del escaneado en acceso, Sophos Anti-Virus ofrece varios tipos de *escaneado en demanda* que proporcionan protección adicional. Los escaneados en demanda son escaneados iniciados por el usuario. Puede escanear desde un solo archivo a todo el contenido del equipo con permiso de lectura: Los escaneados en demanda se pueden ejecutar de forma manual o programarse para que se ejecuten automáticamente.

4 Instalar Sophos Anti-Virus en red

El proceso de instalación de Sophos Anti-Virus en red consiste en:

1. Crear un directorio de instalación central (CID) en un servidor. Este directorio incluye los archivos necesarios para la instalación.
2. Instalar Sophos Anti-Virus en la red desde el CID.

Nota: en Red Hat Enterprise Linux versión 6 64 bits, debe instalar los siguientes paquetes antes de instalar Sophos Anti-Virus:

- glibc-2.11.1-1.i686
- nss-softokn-freebl i686 3.12.4-10.fc12

4.1 Crear el CID en el servidor

Para realizar este procedimiento necesita derechos de root.

1. Acceda a <http://esp.sophos.com/support/updates/> con sus credenciales de MySophos.
2. En la página de descargas de Endpoint Security and Data Protection, seleccione Linux.
3. Descargue Sophos Anti-Virus para Linux, versión 7 a un directorio temporal, por ejemplo /tmp.
4. Descomprima el archivo tar:
tar -xzf archivo tar
5. Ejecute el archivo de instalación:
./sophos-av/install.sh

Cuando se pida el tipo de autoactualización, seleccione Sophos. Introduzca las credenciales que se incluyen con su licencia.

Sophos Anti-Virus se instala en el directorio especificado.

Por defecto, el CID se crea en /opt/sophos-av/update/cache/Primary.

6. Asegúrese de que las estaciones de la red puedan acceder al CID.
Se recomienda permitir acceso de sólo lectura al CID.
7. Ejecute el programa de actualización para descargar los archivos necesarios desde Sophos:
/opt/sophos-av/bin/savupdate

Ya ha creado el CID en el servidor. El CID se actualiza de forma automática desde Sophos. Por defecto, la actualización se realizará cada hora siempre y cuando el ordenador esté conectado a Internet.

4.2 Instalar Sophos Anti-Virus desde el CID

Una vez creado el CID, para instalar Sophos Anti-Virus en el resto de la red debe:

1. Crear un paquete de distribución de Sophos Anti-Virus para instalarlo los ordenadores de la red.

2. Instalar Sophos Anti-Virus en cada ordenador usando el paquete de distribución.

4.2.1 Crear un paquete de distribución

Para realizar este procedimiento necesita derechos de root.

Puede utilizar el script **mkinstpkg** para crear un paquete de distribución. Este script tiene el mismo aspecto que el de instalación y se encarga de introducir la información proporcionada en el paquete de distribución. Cuando el usuario realice la instalación desde el paquete de distribución, la configuración se realizará de forma automática. Puede crear paquetes en formato tar o RPM.

Para crear un paquete de distribución:

1. Vaya al CID.

Por defecto, el CID se encuentra en `/opt/sophos-av/update/cache/Primary`.

2. Escoja una de las siguientes opciones:

- Para crear un paquete de distribución tar con el nombre `savinstpkg.tgz`, escriba:

```
./mkinstpkg.sh
```

- Para crear un paquete de distribución RPM con el nombre `savinstpkg-0.0-1.i586.rpm`, escriba:

```
./mkinstpkg.sh -r
```

Nota: el nombre del archivo puede ser diferente, dependiendo de la configuración RPM.

Cuando se pida la ubicación de actualización, introduzca la dirección del CID de una forma válida para las estaciones. Introduzca también las credenciales de acceso necesarias.

Se creará el paquete de distribución.

3. Distribuya el paquete a las estaciones donde desee instalar Sophos Anti-Virus.

4.2.2 Instalar Sophos Anti-Virus utilizando el paquete de distribución

Para realizar este procedimiento necesita derechos de root.

En cada ordenador:

1. Asegúrese de que tiene acceso al CID.
2. Coloque el paquete de distribución en un directorio temporal.
3. Escoja una de las siguientes opciones:

- Para realizar la instalación desde el paquete tar, escriba:

```
tar -zxvf savinstpkg.tgz
```

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

- Para realizar la instalación desde el paquete RPM, escriba:

```
rpm -i RPM package
```

De esta forma, se copian los archivos necesarios desde el servidor y se instala Sophos Anti-Virus.

Ya ha instalado Sophos Anti-Virus en el ordenador. Sophos Anti-Virus se actualiza de forma automática desde el CID. Por defecto, las actualizaciones se realizarán cada hora.

5 Instalar Sophos Anti-Virus en un ordenador independiente

Para realizar este procedimiento necesita derechos de root.

Nota: en Red Hat Enterprise Linux versión 6 64 bits, debe instalar los siguientes paquetes antes de instalar Sophos Anti-Virus:

■ glibc-2.11.1-1.i686

■ nss-softokn-freebl i686 3.12.4-10.fc12

1. Descargue Sophos Anti-Virus para Linux, versión 7 a un directorio temporal, por ejemplo /tmp.
2. Descomprima el archivo tar:
tar -xzf archivo tar
3. Ejecute el archivo de instalación:
./sophos-av/install.sh

Cuando se pida el tipo de autoactualización, seleccione Sophos. Introduzca las credenciales que se incluyen con su licencia.

Sophos Anti-Virus se instala en el directorio especificado.

Ya ha instalado Sophos Anti-Virus en el ordenador independiente. Sophos Anti-Virus se actualiza de forma automática desde Sophos. Por defecto, la actualización se realizará cada hora siempre y cuando el ordenador esté conectado a Internet.

6 Escaneado en acceso

El *escaneado en acceso* es el principal método de protección contra virus. Al acceder (copiar, guardar o abrir) un archivo, Sophos Anti-Virus lo escanea y permite el acceso sólo si no supone una amenaza para el equipo.

Por defecto, el escaneado en acceso se encuentra activado. Si es necesario, puede comprobar que se encuentra activo o iniciarlo.

Nota: para utilizar los comandos en esta sección debe disponer de derechos de root.

En este documento se asume que tiene Sophos Anti-Virus instalado en la ubicación predeterminada, `/opt/sophos-av`. De lo contrario, utilice el directorio de instalación correspondiente.

6.1 Comprobar que el escaneado en acceso se encuentra activo

- ❖ Para comprobar si el escaneado en acceso se encuentra activo, escriba:
`/opt/sophos-av/bin/savdstatus`

6.2 Iniciar el escaneado en acceso

Para iniciar el escaneado en acceso:

- ❖ Escriba:
`/opt/sophos-av/bin/savdctl enable`
- ❖ Utilice la herramienta apropiada para iniciar el servicio `sav-protect`. Por ejemplo, escriba:
`/etc/init.d/sav-protect start`
o
`service sav-protect start`

7 Realizar un escaneado en demanda del sistema

Tras instalar Sophos Anti-Virus, se recomienda realizar un escaneado del sistema, especialmente si se trata de un servidor. Para hacerlo, utilice un *escaneado en demanda*.

- ❖ Para realizar un escaneado en demanda del sistema, escriba:
savscan /

8 Qué ocurre si se detecta algún virus

Por defecto, si Sophos Anti-Virus detecta un virus durante el escaneo en acceso o en demanda:

- Se crea una entrada en el registro del sistema y en el registro de Sophos Anti-Virus.
- Se envía una alerta a root@localhost.

Sophos Anti-Virus también muestra una alerta, según se describe a continuación.

Escaneado en acceso

Sophos Anti-Virus deniega el acceso al archivo infectado y muestra una alerta de escritorio como la siguiente.



Si no se puede mostrar el mensaje, se mostrará una alerta en la línea de comandos.

Para más información sobre cómo limpiar virus, consulte el *Manual de usuario de Sophos Anti-Virus para Linux*.

Escaneados en demanda

Sophos Anti-Virus muestra una alerta en la línea de comandos. El nombre del virus se muestra en una línea que comienza con >>> seguido de Virus o Fragmento de virus:

```
SAVScan utilidad de detección de virus
Versión 4.50.0 [Linux/Intel]
Versión de datos de virus4.50, Febrero 2010
Incluye detección de 1375239 virus, troyanos y gusanos
Copyright (c) 1989-2010 Sophos Group. Todos los derechos
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Hora del sistema 13:43:32, Fecha del sistema 02 marzo 2010

El directorio IDE es: /opt/sophos-av/lib/sav

Usando archivo nyrate-d.ide
. . . . .
Usando archivo injec-lz.ide

Escaneado rápido

>>> Virus 'EICAR-AV-Test' encontrado en el archivo
/usr/mydirectory/eicar.src

33 archivos escaneados en 2 segundos.
1 virus detectado.
1 archivo de 33 estaba infectado.
Envíe muestras de archivos infectados a Sophos para su análisis.
Más información en http://esp.sophos.com, email
support@sophos.com
Fin del escaneado.
```

Para más información sobre cómo limpiar virus, consulte el *Manual de usuario de Sophos Anti-Virus para Linux*.

9 Desinstalar Sophos Anti-Virus

- ❖ Para desinstalar Sophos Anti-Virus, ejecute el siguiente script en cada ordenador:
/opt/sophos-av/uninstall.sh

Si el daemon **savd** se encuentra activo, se le pedirá que lo detenga.

Se eliminarán:

- Todas las entradas de Sophos Anti-Virus en el arranque del sistema.
- Las páginas man de Sophos Anti-Virus en /usr/share/man.
- El programa de escaneado **savscan** en /usr/local/bin.
- El directorio /opt/sophos-av y todo su contenido.

10 Soporte técnico

Para obtener asistencia técnica sobre cualquier producto de Sophos, puede:

- Visitar el fórum SophosTalk en <http://community.sophos.com/> para consultar casos similares.
- Visitar la base de conocimiento de Sophos en <http://www.sophos.com/support/>.
- Descargar la documentación correspondiente desde <http://www.sophos.com/support/docs/>.
- Enviar un email a support@sophos.com indicando la versión del producto de Sophos, el sistema operativo y parches aplicados, y el texto exacto de cualquier mensaje de error.

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If you have any suggestions, additions, comments, or questions, please let me²¹ know.

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References

1. <http://www.cs.wustl.edu/~schmidt/ACE.html>
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libmagic – file type detection

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TinyXML XML parser

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zlib compression tools

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