

SOPHOS

Sophos Anti-Virus for Mac OS X Help

For networked and single computers running Mac OS X version 10.4 or later

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1 About Sophos Anti-Virus

Sophos Anti-Virus for Mac OS X, version 7 is software that detects and deals with threats (viruses, worms, Trojans, and spyware) on your Mac or network.

On-access scanning is your main method of protection against threats. Whenever you access (copy, save, move, or open) a file, Sophos Anti-Virus scans the file and grants access to it only if it does not pose a threat to your Mac.

In addition to on-access scanning, Sophos Anti-Virus supplies several types of **on-demand scan** to provide additional protection. An on-demand scan is a scan that you initiate. You can scan anything from a single file to everything on your Mac that you have permission to read:

- **Default scan of this Mac**

Scan all files on local volumes that you have permission to read. Any removable storage devices that are inserted are included.

- **Custom scans**

Scan specific sets of files, folders, or volumes.

- **Finder item scans**

Scan a file, folder, or volume that you have selected in Finder.

2 On-access scanning

On-access scanning is your main method of protection against threats. Whenever you access (copy, save, move, or open) a file, Sophos Anti-Virus scans the file and grants access to it only if it does not pose a threat to your Mac.

2.1 Enable or disable on-access scanning

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

By default, on-access scanning is enabled automatically when you start your Mac.

To enable or disable on-access scanning:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Change the setting as follows:
 - To *enable* on-access scanning, click **Start Scanning**. The status changes to **On** and the Sophos Anti-Virus icon in the menu bar turns black.



- To *disable* on-access scanning, click **Stop Scanning**. The status changes to **Off** and the Sophos Anti-Virus icon in the menu bar turns gray.



Important: If you disable on-access scanning, Sophos Anti-Virus does not scan files that you access for threats. This puts your Mac at risk.

2.2 Configuring on-access scanning

2.2.1 Add an on-access exclusion

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

You can exclude files, folders, and volumes from on-access scanning.

To add an on-access exclusion:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Excluded Items**.
5. Do one of the following:
 - Drag the item(s) to be excluded to the list of excluded items.
 - Click **Add (+)** and choose the item(s) to be excluded from the dialog.

2.2.2 Edit an on-access exclusion

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

You can exclude files, folders, and volumes from on-access scanning.

To edit an on-access exclusion:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Excluded Items**.
5. In the list of excluded items, double-click an item and edit the item.

For information about specifying which items are excluded, see [Exclusion rules](#) (page 5).

2.2.3 Exclusion rules

When you add or edit an exclusion, you can type any POSIX path, whether it is a volume, folder, or file. To specify which items are excluded, use the following rules:

Item(s) to exclude	Syntax to use
A folder and sub-folders recursively	Suffix the exclusion with a slash
A folder but not sub-folders	Suffix the exclusion with a double slash
A file	Do <i>not</i> suffix the exclusion with a slash or double slash
A folder or file in a specific location	Prefix the exclusion with a slash
A folder or file anywhere locally or on the network	Do <i>not</i> prefix the exclusion with a slash
A file whose name has a specific filename extension	Substitute an asterisk (*) for the filename stem

Examples

Exclusion path	Item(s) that are excluded
/MyFolder/MyApplication	The file MyApplication in a specific location
/MyFolder/	All files in the folder MyFolder in a specific location and sub-folders recursively
/MyFolder//	All files in the folder MyFolder in a specific location but not sub-folders
MyFolder/MyApplication	The file MyApplication in any folder that is called MyFolder, locally or on the network
MyFolder/	All files in any folder that is called MyFolder, locally or on the network, and sub-folders recursively
MyFolder//	All files in any folder that is called MyFolder, locally or on the network, but not sub-folders
MyApplication	The file MyApplication anywhere locally or on the network
*.mov	All files whose filename extension is .mov anywhere locally or on the network
/MyFolder/*.mov	All files whose filename extension is .mov in a specific location

2.2.4 Delete an on-access exclusion

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

You can exclude files, folders, and volumes from on-access scanning.

To delete an on-access exclusion:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Excluded Items**.
5. In the list of excluded items, select the exclusion that you want to delete and click **Delete (-)**.

2.2.5 Enable on-access scanning inside archives and compressed files

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

Note: Sophos recommends that you do not enable this option, for the following reasons:

- Scanning inside archives and compressed files makes scanning significantly slower.
- Whether you enable this option or not, when you open a file extracted from an archive, the extracted file is scanned.
- Whether you enable this option or not, files compressed with dynamic compression utilities (PKLite, LZEXE and Diet) are scanned.

However, you might want to enable the option so that the contents of an archive or compressed file are scanned before it is downloaded or emailed from your Mac.

To enable on-access scanning inside archives and compressed files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Options**.
5. Select “**Inside archives and compressed files**”.

2.2.6 Enable on-access scanning of files on network volumes

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

By default, scanning of files that you access on network volumes is disabled because it can slow down access.

To enable on-access scanning of files on network volumes:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Options**.
5. Select “**Files on network volumes**”.

2.2.7 Configure desktop alerts

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

Sophos Anti-Virus displays a desktop alert if a serious error occurs during on-access scanning. By default, it also displays a desktop alert if it detects a threat during on-access scanning. You can configure the desktop alerts that are displayed when a threat is detected.

To configure desktop alerts:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **Messaging**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Change the preferences as follows:
 - To specify an additional message to be displayed in desktop alerts about threats, type the message in the “**Add custom message**” field.
 - To disable desktop alerts about threats, deselect “**Display a desktop alert when a threat is detected on access**”.

2.2.8 Change logging preferences

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

All on-access scanning activity, including threats detected, and all updating activity is logged in the on-access scanning and updating log. Sophos Anti-Virus can also log such activity in the system log.

To change the logging preferences for on-access scanning and updating:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **Logging**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.

4. Change the preferences as follows:

- To change the log filename or location, click **Choose File** and enter the new filename or location in the dialog.
- To delete all entries from the log, click **Clear Log**.
- To log all on-access scanning and updating activity in the system log, select “**Log events to system log**”.

2.3 View on-access scanning and updating log

To view the log of all on-access scanning activity, including threats detected, and all updating activity:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **Logging** pane, click **View Log**.

The log is displayed in Console. At the start of each log entry, there is a tag to show whether the entry was logged by the on-access scanner (com.sophos.intercheck) or AutoUpdate (com.sophos.autoupdate).

3 The default scan of this Mac

The default scan of this Mac is a scan of all files on local volumes that you have permission to read. Any removable storage devices that are inserted are included.

3.1 Scan this Mac

- ❖ To scan all files on local volumes that you have permission to read, choose **Scan > Scan This Mac**.

Sophos Anti-Virus displays the progress of the scan in the main Sophos Anti-Virus window.

Note: You can also run the scan in one of the following ways:

- In the main Sophos Anti-Virus window, click **Scan This Mac**.
- Click the Sophos Anti-Virus icon on the right-hand side of the menu bar, and then choose **Scan This Mac** from the shortcut menu.
- Control-click the Sophos Anti-Virus application icon in the Dock, and then choose **Scan This Mac** from the shortcut menu.

3.2 Disable scanning inside archives and compressed files for the default scan of this Mac

By default, scanning inside archives and compressed files is enabled for the default scan of this Mac.

To disable scanning inside archives and compressed files for the default scan of this Mac:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **On-demand Scanning** pane, deselect “**Scan inside archives and compressed files**”.

Note: The setting of this option applies to both the default scan of this Mac and Finder item scans.

3.3 View log of the default scan of this Mac

1. If the main Sophos Anti-Virus window is not open, choose **Window > Sophos Anti-Virus** to open it.
2. In the main Sophos Anti-Virus window, click **View Scan Log**.

The log is displayed in Console.

4 Custom scans

A custom scan is a scan of specific sets of files, folders, or volumes.

4.1 Run a custom scan

1. If the main Sophos Anti-Virus window is not open, choose **Window > Sophos Anti-Virus** to open it.
2. If the **Custom Scans** list is not displayed, click the disclosure triangle next to **Custom Scans**.
3. In the **Custom Scans** list, select the scan that you want to run.
4. Click **Start Scan**.

Sophos Anti-Virus displays the progress of the scan in the main Sophos Anti-Virus window.

Note: You can also run a scan when you are editing it by clicking **Start Scan** in the scan editor.

4.2 Add a custom scan

1. Choose **File > New**.
2. In the scan editor that is displayed, edit the scan as follows:
 - To rename the scan, in the **Scan Name** field, type the new name.
 - To specify what to scan, see [Specify what to scan](#) (page 12).
 - To specify what not to scan, see [Add a custom scan exclusion](#) (page 13), [Edit a custom scan exclusion](#) (page 13), or [Delete a custom scan exclusion](#) (page 14) as appropriate.
 - To disable scanning inside archives and compressed files, see [Disable scanning inside archives and compressed files for a custom scan](#) (page 15).

The scan is added to the **Custom Scans** list in the main Sophos Anti-Virus window.

Note: You can also add a scan by clicking **Add (+)** at the bottom of the main Sophos Anti-Virus window.

4.3 Copy a custom scan

1. If the main Sophos Anti-Virus window is not open, choose **Window > Sophos Anti-Virus** to open it.
2. If the **Custom Scans** list is not displayed, click the disclosure triangle next to **Custom Scans**.
3. In the **Custom Scans** list, select the scan that you want to copy.
4. Choose **File > Duplicate**.

5. In the scan editor that is displayed, edit the scan as follows:

- To rename the scan, in the **Scan Name** field, type the new name.
- To specify what to scan, see [Specify what to scan](#) (page 12).
- To specify what not to scan, see [Add a custom scan exclusion](#) (page 13), [Edit a custom scan exclusion](#) (page 13), or [Delete a custom scan exclusion](#) (page 14) as appropriate.
- To disable scanning inside archives and compressed files, see [Disable scanning inside archives and compressed files for a custom scan](#) (page 15).

The scan is added to the **Custom Scans** list in the main Sophos Anti-Virus window.

Note: You can also copy a selected scan in the main Sophos Anti-Virus window in one of the following ways:

- Press Command-D.
- At the bottom of the window, choose **Duplicate** from the Action pop-up menu.

4.4 Editing a custom scan

4.4.1 Open the custom scan editor

1. If the main Sophos Anti-Virus window is not open, choose **Window > Sophos Anti-Virus** to open it.
2. If the **Custom Scans** list is not displayed, click the disclosure triangle next to **Custom Scans**.
3. In the **Custom Scans** list, double-click the scan that you want to edit.

Note: You can also open the editor by selecting the scan that you want to edit, and choosing **Edit Scan** from the Action pop-up menu at the bottom of the window.

4.4.2 Rename a custom scan

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the scan editor, in the **Scan Name** field, type the new name.

4.4.3 Specify what to scan

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the **Scan Items** pane, do one of the following:
 - Drag the item(s) to be scanned to the list of items to scan.
 - Click **Add (+)** and choose the item(s) to be scanned from the dialog.

Note: If you do not have sufficient privileges to see the contents of a folder that you add, Sophos Anti-Virus displays the folder with a No Access symbol and does not scan it.

4.4.4 Add a custom scan exclusion

You can exclude files, folders, and volumes from a custom scan.

To add a custom scan exclusion:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the **Excluded Items** pane, do one of the following:
 - Drag the item(s) to be excluded to the list of excluded items.
 - Click **Add (+)** and choose the item(s) to be excluded from the dialog.

4.4.5 Edit a custom scan exclusion

You can exclude files, folders, and volumes from a custom scan.

To edit a custom scan exclusion:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the **Excluded Items** pane, double-click an item and edit the item.
For information about specifying which items are excluded, see [Exclusion rules](#) (page 13).

4.4.6 Exclusion rules

When you add or edit an exclusion, you can type any POSIX path, whether it is a volume, folder, or file. To specify which items are excluded, use the following rules:

Item(s) to exclude	Syntax to use
A folder and sub-folders recursively	Suffix the exclusion with a slash
A folder but not sub-folders	Suffix the exclusion with a double slash
A file	Do <i>not</i> suffix the exclusion with a slash or double slash
A folder or file in a specific location	Prefix the exclusion with a slash
A folder or file anywhere locally or on the network	Do <i>not</i> prefix the exclusion with a slash

Item(s) to exclude	Syntax to use
A file whose name has a specific filename extension	Substitute an asterisk (*) for the filename stem

Examples

Exclusion path	Item(s) that are excluded
/MyFolder/MyApplication	The file MyApplication in a specific location
/MyFolder/	All files in the folder MyFolder in a specific location and sub-folders recursively
/MyFolder//	All files in the folder MyFolder in a specific location but not sub-folders
MyFolder/MyApplication	The file MyApplication in any folder that is called MyFolder, locally or on the network
MyFolder/	All files in any folder that is called MyFolder, locally or on the network, and sub-folders recursively
MyFolder//	All files in any folder that is called MyFolder, locally or on the network, but not sub-folders
MyApplication	The file MyApplication anywhere locally or on the network
*.mov	All files whose filename extension is .mov anywhere locally or on the network
/MyFolder/*.mov	All files whose filename extension is .mov in a specific location

4.4.7 Delete a custom scan exclusion

You can exclude files, folders, and volumes from a custom scan.

To delete a custom scan exclusion:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the **Excluded Items** pane, select the item that you want to delete and click **Delete (-)**.

4.4.8 Disable scanning inside archives and compressed files for a custom scan

By default, scanning inside archives and compressed files is enabled.

To disable scanning inside archives and compressed files for a custom scan:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the **Options** pane, deselect “**Inside archives and compressed files**”.

4.5 Delete a custom scan

1. If the main Sophos Anti-Virus window is not open, choose **Window > Sophos Anti-Virus** to open it.
2. If the **Custom Scans** list is not displayed, click the disclosure triangle next to **Custom Scans**.
3. In the **Custom Scans** list, select the scan that you want to delete.
4. Click **Delete (-)**.

4.6 View a custom scan log

1. If the main Sophos Anti-Virus window is not open, choose **Window > Sophos Anti-Virus** to open it.
2. If the **Custom Scans** list is not displayed, click the disclosure triangle next to **Custom Scans**.
3. In the **Custom Scans** list, select the scan for which you want to view the log.
4. At the bottom of the window, choose **View Scan Log** from the Action pop-up menu.

The log is displayed in Console.

Note: You can also view a custom scan log when you are editing a custom scan by clicking **View Scan Log** in the scan editor.

5 Finder item scans

A Finder item scan is a scan of a file, folder, or volume that you have selected in Finder.

5.1 Run a Finder item scan from a shortcut menu

1. In Finder, select the file, folder, or volume that you want to scan.
You can select more than one item.
2. Control-click the selection, and then do one of the following:
 - On Mac OS X version 10.5, choose **More** > “**Scan with Sophos Anti-Virus**” from the shortcut menu.
 - On other Mac OS X versions, choose “**Scan with Sophos Anti-Virus**” from the shortcut menu.

Sophos Anti-Virus displays the progress of the scan in a dialog.

5.2 Run a Finder item scan by dragging an item to the Dock icon

1. In Finder, select the file, folder, or volume that you want to scan.
You can select more than one item.
2. Drag the selection to the Sophos Anti-Virus application icon in the Dock.
Sophos Anti-Virus displays the progress of the scan in a dialog.

5.3 Run a Finder item scan from the Services submenu

1. On Mac OS X version 10.6, in Finder, select the file, folder, or volume that you want to scan.
You can select more than one item.
2. Choose **Finder** > **Services** > “**Scan with Sophos Anti-Virus**”.
Sophos Anti-Virus displays the progress of the scan in a dialog.

5.4 Disable scanning inside archives and compressed files for a Finder item scan

By default, scanning inside archives and compressed files is enabled for a Finder item scan.

To disable scanning inside archives and compressed files for a Finder item scan:

1. Choose **Sophos Anti-Virus** > **Preferences**.

2. In the **On-demand Scanning** pane, deselect “**Scan inside archives and compressed files**”.

Note: The setting of this option applies to both the default scan of this Mac and Finder item scans.

5.5 View a Finder item scan log

- ❖ In the progress dialog that is displayed when you run a Finder item scan, click **View Scan Log**.

The log is displayed in Console.

6 Configure email alerts

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

Sophos Anti-Virus can send an email if it detects a threat or a serious error occurs. This applies to on-access scanning, the default scan of this Mac, custom scans, and Finder item scans. By default, email alerts are disabled.

To configure email alerts:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **Messaging**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Select “**Send an email alert when a threat is detected or an error occurs**”.
5. Change the preferences as follows:
 - To enable Sophos Anti-Virus to send an email alert only if it detects a threat, select **Threats**.
 - To enable Sophos Anti-Virus to send an email alert if it detects a threat or a serious error occurs, select “**Threats and errors**”.
 - To specify the email address *to* which email alerts should be sent, type the address in the **Recipient** field.
 - To specify the address of the email server from which email alerts should be sent, type the address in the **Outgoing Email Server** field.
 - To specify the email address *from* which email alerts should be sent, type the address in the **Sender** field.

7 Updating

7.1 Update Sophos Anti-Virus immediately

By default, Sophos Anti-Virus updates every hour. However, you can update it immediately.

To update Sophos Anti-Virus immediately, do one of the following:

- ❖ Choose **Sophos Anti-Virus > Update Now**.
- ❖ Click the Sophos Anti-Virus icon on the right-hand side of the menu bar, and then choose **Update Now** from the shortcut menu.
- ❖ Control-click the Sophos Anti-Virus application icon in the Dock, and then choose **Update Now** from the shortcut menu.

7.2 Configuring updating

7.2.1 Set a source for updates

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

To specify where Sophos Anti-Virus downloads updates from:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **AutoUpdate**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Change the preferences as follows:
 - To enable Sophos Anti-Virus to update directly from Sophos, choose **Sophos** from the “**Update from primary location**” pop-up menu. In the **Username** and **Password** fields, type the updating credentials that were given to you by Sophos.
 - To enable Sophos Anti-Virus to update from your company web server, choose “**Company web server**” from the “**Update from primary location**” pop-up menu. In the **Address** field, type the web address of the location from which updates will be downloaded. In the **Username** and **Password** fields, type the updating credentials that are needed to access the server.
 - To enable Sophos Anti-Virus to update from a network volume, choose “**Network volume**” from the “**Update from primary location**” pop-up menu. In the **Address** field, type the network address of the location from which updates will be downloaded. In the **Username** and **Password** fields, type the updating credentials that are needed to access the volume.

The following are examples of the address. Replace the text inside the brackets with the appropriate names:

http://<server>/<web share>/Sophos Anti-Virus/ESCOSX

smb://<server>/<Samba share>/Sophos Anti-Virus/ESCOSX

afp://<server>/<AppleShare share>/Sophos Anti-Virus/ESCOSX

You can use an IP address or NetBIOS name instead of a domain or host name to refer to the server. Using an IP address can be better if you have any DNS problems.

If Sophos Anti-Virus must access the update source via the proxy that has been set up in System Preferences, see [Enable updating via the system proxy](#) (page 21). If Sophos Anti-Virus must access the update source via another proxy, see [Enable updating via a custom proxy](#) (page 21).

7.2.2 Set an alternative source for updates

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

To specify where Sophos Anti-Virus downloads updates from if it cannot contact its usual source:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **AutoUpdate**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Select “**Use a secondary location**”. Then, change the preferences as follows:
 - To enable Sophos Anti-Virus to update directly from Sophos, choose **Sophos** from the “**Update from secondary location**” pop-up menu. In the **Username** and **Password** fields, type the updating credentials that were given to you by Sophos.
 - To enable Sophos Anti-Virus to update from your company web server, choose “**Company web server**” from the “**Update from secondary location**” pop-up menu. In the **Address** field, type the web address of the location from which updates will be downloaded. In the **Username** and **Password** fields, type the updating credentials that are needed to access the server.
 - To enable Sophos Anti-Virus to update from a network volume, choose “**Network volume**” from the “**Update from secondary location**” pop-up menu. In the **Address** field, type the network address of the location from which updates will be downloaded. In the **Username** and **Password** fields, type the updating credentials that are needed to access the volume.

The following are examples of the address. Replace the text inside the brackets with the appropriate names:

http://<server>/<web share>/Sophos Anti-Virus/ESCOSX

smb://<server>/<Samba share>/Sophos Anti-Virus/ESCOSX

afp://<server>/<AppleShare share>/Sophos Anti-Virus/ESCOSX

You can use an IP address or NetBIOS name instead of a domain or host name to refer to the server. Using an IP address can be better if you have any DNS problems.

If Sophos Anti-Virus must access the update source via the proxy that has been set up in System Preferences, see [Enable updating via the system proxy](#) (page 21). If Sophos Anti-Virus must access the update source via another proxy, see [Enable updating via a custom proxy](#) (page 21).

7.2.3 Enable updating via the system proxy

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

You can specify that you want Sophos Anti-Virus to update via the proxy that has been set up in System Preferences.

To enable updating via the system proxy:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **AutoUpdate**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Choose “**Use system proxy settings**” from the pop-up menu at the bottom of the “**primary location**” section or the “**secondary location**” section, as required.

7.2.4 Enable updating via a custom proxy

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

You can specify the settings of a proxy via which you want Sophos Anti-Virus to update.

To enable updating via a custom proxy:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **AutoUpdate**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Choose “**Use custom proxy settings**” from the pop-up menu at the bottom of the “**primary location**” section or the “**secondary location**” section, as required.
5. Click **Edit Settings**.
6. In the dialog that appears, type the address and port number of the proxy in the **Address** fields. In the **Username** and **Password** fields, type the credentials that are needed to access the proxy.

7.2.5 Schedule updates

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

By default, Sophos Anti-Virus updates every hour. However, you can change when or how often it updates.

To schedule updates:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **AutoUpdate**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Change the preferences as follows:
 - To enable Sophos Anti-Virus to update at regular intervals, select “**Check for updates every**” and enter the time period.
 - To enable Sophos Anti-Virus to update every time that a network connection is established, select “**Check for updates on connection to network or internet**”.

7.2.6 Change logging preferences

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

All on-access scanning activity, including threats detected, and all updating activity is logged in the on-access scanning and updating log. Sophos Anti-Virus can also log such activity in the system log.

To change the logging preferences for on-access scanning and updating:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **Logging**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Change the preferences as follows:
 - To change the log filename or location, click **Choose File** and enter the new filename or location in the dialog.
 - To delete all entries from the log, click **Clear Log**.
 - To log all on-access scanning and updating activity in the system log, select “**Log events to system log**”.

7.3 Check the progress of an update

- ❖ To check the progress of an update that was started by you or scheduled, click the Sophos Anti-Virus icon on the right-hand side of the menu bar, and then choose **Show AutoUpdate Window** from the shortcut menu.

Note: To view a log of all updating activity, see [View on-access scanning and updating log](#) (page 23).

7.4 View on-access scanning and updating log

To view the log of all on-access scanning activity, including threats detected, and all updating activity:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **Logging** pane, click **View Log**.

The log is displayed in Console. At the start of each log entry, there is a tag to show whether the entry was logged by the on-access scanner (`com.sophos.intercheck`) or AutoUpdate (`com.sophos.autoupdate`).

8 Dealing with threats

8.1 About dealing with threats

When a threat is found on your Mac, get information about the threat from the Sophos website (see [Get threat information](#) (page 24)).

The information might tell you to deal with the threat by running a default scan of this Mac with one of the following options enabled:

- [Clean up infected files \(the default scan of this Mac\)](#) (page 24)
- [Move infected files \(the default scan of this Mac\)](#) (page 25)
- [Delete infected files \(the default scan of this Mac\)](#) (page 25)

Important: Dealing with the threat does not undo any actions the threat has already taken.

8.2 Get threat information

When a threat is found on your Mac, it is very important that you check the threat analysis on the Sophos website for information about the threat and advice about dealing with it.

- ❖ To get threat information, go to <http://www.sophos.com/security/analyses/viruses-and-spyware/> and search for the threat name that is shown in the Sophos Anti-Virus log, desktop alert, or email notification.

8.3 Dealing with threats detected by the default scan of this Mac

8.3.1 Clean up infected files (the default scan of this Mac)

You can configure Sophos Anti-Virus to remove viruses from infected files, if the default scan of this Mac detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To clean up infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **On-demand Scanning** pane, choose “**Clean up infected files**” from the “**When a threat is found**” pop-up menu.
3. From the “**If cleanup fails**” pop-up menu, choose what action Sophos Anti-Virus should take if cleanup fails:
 - To take no action, choose “**Alert only**”. However, if you have enabled email alerts, Sophos Anti-Virus sends an email alert.

- To delete infected files, choose “**Delete infected files**”.
- To move infected files to another folder to prevent them being run, choose “**Move infected files**”.

By default, the files are moved to /Users/Shared/Infected/. To choose a different folder, click **Choose Folder**, and enter the folder in the dialog.

Any actions that Sophos Anti-Virus takes against infected files are logged in the log of the Finder item scan.

Important: Cleaning up infected documents does not repair any changes the virus has made to the document. Cleaning up infected programs should be used only as a temporary measure. You should subsequently replace cleaned programs from the original disks or a clean backup.

Note: The setting of this option applies to both the default scan of this Mac and Finder item scans.

8.3.2 Move infected files (the default scan of this Mac)

You can configure Sophos Anti-Virus to move infected files to another folder to prevent them being run, if the default scan of this Mac detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To move infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **On-demand Scanning** pane, choose “**Move infected files**” from the “**When a threat is found**” pop-up menu.

By default, the files are moved to /Users/Shared/Infected/. To choose a different folder, click **Choose Folder**, and enter the folder in the dialog.

Any actions that Sophos Anti-Virus takes against infected files are logged in the log of the default scan of this Mac.

Note: The setting of this option applies to both the default scan of this Mac and Finder item scans.

8.3.3 Delete infected files (the default scan of this Mac)

You can configure Sophos Anti-Virus to delete infected files, if the default scan of this Mac detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To delete infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **On-demand Scanning** pane, choose “**Delete infected files**” from the “**When a threat is found**” pop-up menu.

Any actions that Sophos Anti-Virus takes against infected files are logged in the log of the default scan of this Mac.

Note: The setting of this option applies to both the default scan of this Mac and Finder item scans.

8.4 Dealing with threats detected by on-access scanning

8.4.1 Clean up infected files (on-access scanning)

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

You can configure Sophos Anti-Virus to remove viruses from infected files, if on-access scanning detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To clean up infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Choose “**Clean up infected files**” from the “**When a threat is found**” pop-up menu.
5. From the “**If cleanup fails**” pop-up menu, choose what action Sophos Anti-Virus should take if cleanup fails:
 - To deny access to infected files, choose “**Deny access to infected files**”.
 - To delete infected files, choose “**Delete infected files**”.
 - To move infected files to another folder to prevent them being run, choose “**Deny access and move infected files**”.

By default, the files are moved to /Users/Shared/Infected/. To choose a different folder, click **Choose Folder**, and enter the folder in the dialog.

Any actions that Sophos Anti-Virus takes against infected files are logged in the Sophos Anti-Virus log.

Important: Cleaning up infected documents does not repair any changes the virus has made to the document. Cleaning up infected programs should be used only as a temporary measure. You should subsequently replace cleaned programs from the original disks or a clean backup.

8.4.2 Move infected files (on-access scanning)

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

You can configure Sophos Anti-Virus to move infected files to another folder to prevent them being run, if on-access scanning detects a threat. Note that Sophos Anti-Virus always denies access to infected files.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To move infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Choose “**Deny access and move infected files**” from the “**When a threat is found**” pop-up menu.

By default, the files are moved to /Users/Shared/Infected/. To choose a different folder, click **Choose Folder**, and enter the folder in the dialog.

Any actions that Sophos Anti-Virus takes against infected files are logged in the Sophos Anti-Virus log.

8.4.3 Delete infected files (on-access scanning)

Important: If your organization has specified default preferences, these defaults might override changes that you make here.

You can configure Sophos Anti-Virus to delete infected files, if on-access scanning detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To delete infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Choose “**Delete infected files**” from the “**When a threat is found**” pop-up menu.

Any actions that Sophos Anti-Virus takes against infected files are logged in the Sophos Anti-Virus log.

8.5 Dealing with threats detected by custom scans

8.5.1 Clean up infected files (custom scans)

You can configure Sophos Anti-Virus to remove viruses from infected files, if a custom scan detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To clean up infected files:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the **Options** pane, choose “**Clean up infected files**” from the “**When a threat is found**” pop-up menu.
3. From the “**If cleanup fails**” pop-up menu, choose what action Sophos Anti-Virus should take if cleanup fails:
 - To take no action, choose “**Alert only**”. However, if you have enabled email alerts, Sophos Anti-Virus sends an email alert.
 - To delete infected files, choose “**Delete infected files**”.
 - To move infected files to another folder to prevent them being run, choose “**Move infected files**”.

By default, the files are moved to /Users/Shared/Infected/. To choose a different folder, click **Choose Folder**, and enter the folder in the dialog.

Any actions that Sophos Anti-Virus takes against infected items are logged in the log of the custom scan.

Important: Cleaning up infected documents does not repair any changes the virus has made to the document. Cleaning up infected programs should be used only as a temporary measure. You should subsequently replace cleaned programs from the original disks or a clean backup.

8.5.2 Move infected files (custom scans)

You can configure Sophos Anti-Virus to move infected files to another folder to prevent them being run, if a custom scan detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To move infected files:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the **Options** pane, choose “**Move infected files**” from the “**When a threat is found**” pop-up menu.

By default, the files are moved to /Users/Shared/Infected/. To choose a different folder, click **Choose Folder**, and enter the folder in the dialog.

Any actions that Sophos Anti-Virus takes against infected items are logged in the log of the custom scan.

8.5.3 Delete infected files (custom scans)

You can configure Sophos Anti-Virus to delete infected files, if a custom scan detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To delete infected files:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 12).
2. In the **Options** pane, choose “**Delete infected files**” from the “**When a threat is found**” pop-up menu.

Any actions that Sophos Anti-Virus takes against infected items are logged in the log of the custom scan.

8.6 Dealing with threats detected by Finder item scans

8.6.1 Clean up infected files (Finder item scans)

You can configure Sophos Anti-Virus to remove viruses from infected files, if a Finder item scan detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To clean up infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **On-demand Scanning** pane, choose “**Clean up infected files**” from the “**When a threat is found**” pop-up menu.
3. From the “**If cleanup fails**” pop-up menu, choose what action Sophos Anti-Virus should take if cleanup fails:
 - To take no action, choose “**Alert only**”. However, if you have enabled email alerts, Sophos Anti-Virus sends an email alert.
 - To delete infected files, choose “**Delete infected files**”.
 - To move infected files to another folder to prevent them being run, choose “**Move infected files**”.

By default, the files are moved to /Users/Shared/Infected/. To choose a different folder, click **Choose Folder**, and enter the folder in the dialog.

Any actions that Sophos Anti-Virus takes against infected files are logged in the log of the Finder item scan.

Important: Cleaning up infected documents does not repair any changes the virus has made to the document. Cleaning up infected programs should be used only as a temporary measure. You should subsequently replace cleaned programs from the original disks or a clean backup.

Note: The setting of this option applies to both the default scan of this Mac and Finder item scans.

8.6.2 Move infected files (Finder item scans)

You can configure Sophos Anti-Virus to move infected files to another folder to prevent them being run, if a Finder item scan detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To move infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **On-demand Scanning** pane, choose “**Move infected files**” from the “**When a threat is found**” pop-up menu.

By default, the files are moved to /Users/Shared/Infected/. To choose a different folder, click **Choose Folder**, and enter the folder in the dialog.

Any actions that Sophos Anti-Virus takes against infected files are logged in the log of the Finder item scan.

Note: The setting of this option applies to both the default scan of this Mac and Finder item scans.

8.6.3 Delete infected files (Finder item scans)

You can configure Sophos Anti-Virus to delete infected files, if a Finder item scan detects a threat.

Important: Sophos Anti-Virus does not ask for confirmation before dealing with an infected file.

To delete infected files:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **On-demand Scanning** pane, choose “**Delete infected files**” from the “**When a threat is found**” pop-up menu.

Any actions that Sophos Anti-Virus takes against infected files are logged in the log of the Finder item scan.

Note: The setting of this option applies to both the default scan of this Mac and Finder item scans.

9 Restoring default preferences

9.1 Restore default on-demand scanning preferences

To set the on-demand scanning preferences to defaults recommended by Sophos:

1. Choose **Sophos Anti-Virus > Preferences**.
2. In the **On-demand Scanning** pane, click **Restore Defaults**.

9.2 Restore default on-access scanning preferences

You can set the on-access scanning preferences to defaults. If your organization has specified default on-access scanning preferences, the on-access scanning preferences will be set to these defaults. Otherwise, they will be set to defaults recommended by Sophos.

To restore default on-access scanning preferences:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **On-access Scanning**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Restore Defaults**.

9.3 Restore default updating preferences

You can restore the updating preferences to defaults. If your organization has specified default updating preferences, the updating preferences will be set to these defaults. Otherwise, they will be set to defaults recommended by Sophos.

To restore default updating preferences:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **AutoUpdate**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Restore Defaults**.

9.4 Restore default logging preferences

You can restore the logging preferences for on-access scanning and updating to defaults. If your organization has specified default logging preferences, the logging preferences will be set to these defaults. Otherwise, they will be set to defaults recommended by Sophos.

To restore default logging preferences:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **Logging**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Restore Defaults**.

9.5 Restore default messaging preferences

You can restore the messaging preferences to defaults. If your organization has specified default messaging preferences, the messaging preferences will be set to these defaults. Otherwise, they will be set to defaults recommended by Sophos.

To restore default messaging preferences:

1. Choose **Sophos Anti-Virus > Preferences**.
2. Click **Messaging**.
3. If some settings are dimmed, click the lock icon and type an administrator name and password.
4. Click **Restore Defaults**.

10 Use Sophos Anti-Virus via Terminal

You can run a scan via Terminal, Mac OS X's command-line interface. To display the command-line Help for this feature:

1. Open Terminal.
To do this, find the folder Applications/Utilities and double-click Terminal.
2. At the command prompt, type:
`sweep -h`

11 Solving problems

11.1 Sophos Anti-Virus does not update

Symptoms

Sophos Anti-Virus is unable to update or does not attempt to do so. If it is unable to update, a white cross is superimposed on the Sophos Anti-Virus icon on the right-hand side of the menu bar.



Causes

To find out why this is happening, view the updating log. For information, see [View on-access scanning and updating log](#) (page 23).

Resolve the problem

- If Sophos Anti-Virus is contacting the wrong source for updates, see [Set a source for updates](#) (page 19). Check that the settings are correct.
- If Sophos Anti-Virus cannot use your proxy server, see [Enable updating via the system proxy](#) (page 21) or [Enable updating via a custom proxy](#) (page 21), depending on which type of proxy you are using. Check that the settings are correct.
- If Sophos Anti-Virus is not attempting to update when you expect it to, see [Schedule updates](#) (page 21). Check that the settings are correct.

11.2 Update Now menu command is dimmed

Symptoms

The **Update Now** menu command is dimmed in the **Sophos Anti-Virus** menu, the menu bar icon shortcut menu, or the Dock icon shortcut menu.

Causes

Updating is not configured.

Resolve the problem

See [Configuring updating](#) (page 19).

11.3 Sophos Anti-Virus icon is gray

Symptoms

The Sophos Anti-Virus icon on the right-hand side of the menu bar is gray.



Causes

Your Mac is not protected by on-access scanning.

Resolve the problem

Enable on-access scanning. For information about how to do this, see [Enable or disable on-access scanning](#) (page 4).

11.4 Scan with Sophos Anti-Virus menu command is not present

Symptoms

If you try to run a Finder item scan from a shortcut menu, the menu doesn't contain the command "Scan with Sophos Anti-Virus".

Causes

The command isn't contained in the menu immediately after you install Sophos Anti-Virus.

Resolve the problem

Log in to your Mac again.

11.5 File not disinfected

Symptoms

Sophos Anti-Virus reports that an infected file has not been disinfected.

Causes

This could be for one of the following reasons:

- Automatic cleanup has not been enabled for the type of scanning that detected the file.
- The infected item is on a write-protected volume.

- Sophos Anti-Virus has detected a virus/spyware fragment rather than an active virus or item of spyware.

Resolve the problem

Depending on the reason for the file not being disinfected, do one of the following:

- Enable automatic cleanup. For information, see [Dealing with threats detected by on-access scanning](#) (page 26), [Dealing with threats detected by the default scan of this Mac](#) (page 24), [Dealing with threats detected by custom scans](#) (page 27), or [Dealing with threats detected by Finder item scans](#) (page 29).
- Enable write access to the volume if possible.
- Contact Sophos technical support for advice about dealing with a virus/spyware fragment. For information about contacting technical support, see [Technical support](#) (page 37).

11.6 Virus/spyware fragment detected

Symptoms

Sophos Anti-Virus reports that it has detected a virus/spyware fragment.

Causes

This indicates that part of a file matches part of a virus or item of spyware. There are two possible causes:

- Many new viruses or items of spyware are based on existing ones. Therefore, code fragments that are typical of a known virus or item of spyware might appear in files that are infected with a new one.
- Many viruses or items of spyware contain bugs in their replication routines that cause them to infect target files incorrectly. An inactive part of the virus/spyware (possibly a substantial part) may appear in the host file, and this is detected by Sophos Anti-Virus.

Resolve the problem

Contact Sophos technical support for advice. For information about contacting technical support, see [Technical support](#) (page 37).

12 Technical support

For technical support, visit <http://www.sophos.com/support>.

If you contact technical support, provide as much information as possible, including the following:

- Sophos software version number(s)
- Operating system(s) and patch level(s)
- The exact text of any error messages

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If you have any suggestions, additions, comments, or questions, please let me²² know.

Douglas C. Schmidt²³

The ACE home page is <http://www.cs.wustl.edu/ACE.html>

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Boost

Version 1.0, 17 August 2003

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dlcompat

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libxml2

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OpenSSL cryptographic toolkit

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pycrypto

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