



Sophos Anti-Virus for Mac: Home Edition Help

For standalone Macs running Mac OS X version 10.4 or later

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1 About Sophos Anti-Virus

Sophos Anti-Virus for Mac: Home Edition is software that detects and deals with threats (viruses, worms, and Trojans) on your Mac. As well as being able to detect Mac OS X threats, it can also detect Windows threats that might be stored on your Mac and transferred to Windows computers.

Sophos Anti-Virus is preconfigured with the recommended settings for protection. We recommend that you don't make changes to the settings unless there is a specific need or problem that you are aiming to address.

2 Scanning for threats

2.1 About scanning for threats

On-access scanning is your main method of protection against threats. Whenever you access (copy, 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. By default, on-access scanning is turned on and preconfigured with the recommended settings for protection. We recommend that you don't make changes to the settings unless there is a specific need or problem that you are aiming to address.

On-demand scans 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 to which you have access:

■ Local drives scan

Scan all files to which you have access on local volumes. If you authenticate as an administrator, files to which you do not have access are scanned as well. Any removable storage devices that are inserted are included.

You might want to run a local drives scan because you want to deal with a threat that Sophos Anti-Virus has detected or you want to discover that files are infected *before* you need to use them.

■ Custom scans

Scan specific sets of files, folders, or volumes.

You might want to run a custom scan because you want to scan only suspicious parts of a disk or you want to discover that files are infected *before* you need to use them.

■ Finder item scans

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

You might want to run a Finder item scan for one of the following reasons: you want to scan the contents of an archive or compressed file *before* you need to open it, you want to scan something before you email it, or you want to scan a CD or DVD.

You can set up **email alerts** so that any scan type can warn of threats or serious errors.

You can also use **Terminal** to run scans from the command line.

2.2 On-access scanning

On-access scanning is your main method of protection against threats. Whenever you access (copy, 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. By default, on-access scanning is turned on and preconfigured with the recommended settings for protection. We recommend that you don't make changes to the settings unless there is a specific need or problem that you are aiming to address.

2.2.1 Turn on-access scanning on or off

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

To turn on-access scanning on or off:

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 turn on-access scanning *on*, click **Start Scanning**. The status changes to **on** and the Sophos Anti-Virus icon in the menu bar turns black.



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



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

2.2.2 Configuring on-access scanning

2.2.2.1 Add an on-access exclusion

You can exclude files, folders, or volumes from on-access scanning. For example, you might want to exclude:

- Files that are large and therefore take a long time to scan
- Files that cause a scanning error
- Files that cause a false-positive
- Backup volumes because the files that are stored on them are scanned when they're backed up anyway

Important: Excluding files, folders, or volumes from scanning reduces your protection against threats.

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.

For information about specifying which items are excluded, see [Exclusion rules](#) (page 6).

2.2.2.2 Edit an on-access exclusion

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 6).

2.2.2.3 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

2.2.2.4 Delete an on-access exclusion

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 (-)**.

2.2.2.5 Enable on-access scanning inside archives and compressed files

By default, on-access scanning inside archives and compressed files is disabled. However, you might want to enable the option if you are dealing with several such files at a time and the cost of not detecting a threat is high. For example, you might be emailing some archives or compressed files to an important contact.

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.

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**”.

2.2.2.6 Enable on-access scanning of files on network volumes

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**”.

Note: Files on network volumes that you access through an alias are not scanned.

2.2.2.7 Configure on-access scanning to automatically clean up threats

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure on-access scanning to automatically clean up threats that it detects.

Important: Sophos Anti-Virus does not ask for confirmation before cleaning up a threat.

To configure on-access scanning to automatically clean up threats:

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 threat**” 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 the threat, choose “**Deny access**”.
 - To delete the threat, choose “**Delete threat**”.
 - To move the threat to another folder to prevent it being run, choose “**Deny access and move threat**”.

By default, the threats 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 threats are logged in the Sophos Anti-Virus log.

Important: Cleaning up a threat might not be able to undo all the actions the threat has taken on this Mac. For example, if the threat changed the value of a setting, the cleanup process might not know the original setting. You might have to verify the Mac’s configuration. Cleaning up an infected document does not repair any changes the threat has made to the document.

2.2.2.8 Configure on-access scanning to automatically move threats

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure on-access scanning to automatically move threats that it detects to another folder. Moving an infected program reduces the likelihood of it being run. Note that Sophos Anti-Virus always denies access to infected files that it has moved, as long as on-access scanning is turned on.

Important: You should use this option only if advised to at the support forum. Sophos Anti-Virus does not ask for confirmation before moving a threat.

To configure on-access scanning to automatically move threats:

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 threat**” from the “**When a threat is found**” pop-up menu.

By default, the threats 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 threats are logged in the Sophos Anti-Virus log.

2.2.2.9 Configure on-access scanning to automatically delete threats

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure on-access scanning to automatically delete threats that it detects.

Important: You should use this option only if advised to at the support forum. Sophos Anti-Virus does not ask for confirmation before deleting a threat.

To configure on-access scanning to automatically delete threats:

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 threat**” from the “**When a threat is found**” pop-up menu.

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

Important: Deleting a threat does not undo any actions the threat has taken on this Mac.

2.2.2.10 Restore default on-access scanning preferences

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

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**.

2.2.2.11 Configure desktop alerts

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 add your own message to the 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**”.

2.2.2.12 Restore default alerting preferences

To set the alerting preferences to defaults recommended by Sophos:

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**.

2.2.2.13 Change logging preferences

All on-access scanning activity (including threats detected) and all updating activity is logged in the Sophos on-access scanning and updating log. Sophos Anti-Virus can also log such activity in the Mac OS X 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 Log 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**”.

2.2.2.14 Restore default logging preferences

To set the logging preferences to defaults recommended by Sophos:

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**.

2.2.3 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).

2.3 Local drives scan

The local drives scan is a scan that you initiate. It is a scan of all files to which you have access on local volumes. If you authenticate as an administrator, files to which you do not have access are scanned as well. Any removable storage devices that are inserted are included.

You might want to run a local drives scan because you want to deal with a threat that Sophos Anti-Virus has detected or you want to discover files that are infected *before* you need to use them.

2.3.1 Scan local drives

You can run a scan of all files on this Mac to which you have access. If you are an admin user, this scan also includes all files to which you do *not* usually have access.

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

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

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

- In the **Sophos Anti-Virus** window, in the **Scan local drives** box, click the Play button.
- Click the Sophos Anti-Virus icon on the right-hand side of the menu bar, and then choose **Scan Local Drives** from the shortcut menu.
- Control-click the Sophos Anti-Virus application icon in the Dock, and then choose **Scan Local Drives** from the shortcut menu.

2.3.2 Configuring the local drives scan

2.3.2.1 Disable scanning inside archives and compressed files for the local drives scan

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

By default, scanning inside archives and compressed files is enabled for the local drives scan.

To disable scanning inside archives and compressed files for the local drives scan:

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

Note: Alternatively, in the **Sophos Anti-Virus** window, in the **Scan local drives** box, click the Edit button.

2. In the **Scan Local Drives** pane, deselect “**Scan inside archives and compressed files**”.

2.3.2.2 Configure the local drives scan to automatically clean up threats

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

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure the local drives scan to automatically clean up threats that it detects.

Important: Sophos Anti-Virus does not ask for confirmation before cleaning up a threat.

To configure the local drives scan to automatically clean up threats:

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

Note: Alternatively, in the **Sophos Anti-Virus** window, in the **Scan local drives** box, click the Edit button.

2. In the **Scan Local Drives** pane, choose “**Clean up threat**” 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 “**Log only**”. However, if you have enabled email alerts, Sophos Anti-Virus also sends an email alert.
 - To delete the threat, choose “**Delete threat**”.
 - To move the threat to another folder to prevent it being run, choose “**Move threat**”.

By default, the threats 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 threats are logged in the log of the local drives scan.

Important: Cleaning up a threat might not be able to undo all the actions the threat has taken on this Mac. For example, if the threat changed the value of a setting, the cleanup process might not know the original setting. You might have to verify the Mac’s configuration. Cleaning up an infected document does not repair any changes the threat has made to the document.

2.3.2.3 Configure the local drives scan to automatically move threats

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

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure the local drives scan to automatically move threats that it detects to another folder. Moving an infected program reduces the likelihood of it being run.

Important: You should use this option only if advised to at the support forum. Sophos Anti-Virus does not ask for confirmation before moving a threat.

To configure the local drives scan to automatically move threats:

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

Note: Alternatively, in the **Sophos Anti-Virus** window, in the **Scan local drives** box, click the Edit button.

2. In the **Scan Local Drives** pane, choose “**Move threat**” from the “**When a threat is found**” pop-up menu.

By default, the threats 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 threats are logged in the log of the local drives scan.

2.3.2.4 Configure the local drives scan to automatically delete threats

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

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure the local drives scan to automatically delete threats that it detects.

Important: You should use this option only if advised to at the support forum. Sophos Anti-Virus does not ask for confirmation before deleting a threat.

To configure the local drives scan to automatically delete threats:

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

Note: Alternatively, in the **Sophos Anti-Virus** window, in the **Scan local drives** box, click the Edit button.

2. In the **Scan Local Drives** pane, choose “**Delete threat**” from the “**When a threat is found**” pop-up menu.

Any actions that Sophos Anti-Virus takes against threats are logged in the log of the local drives scan.

Important: Deleting a threat does not undo any actions the threat has taken on this Mac.

2.3.2.5 Restore default local drives scan preferences

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

To set the local drives scan preferences to defaults recommended by Sophos:

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

Note: Alternatively, in the **Sophos Anti-Virus** window, in the **Scan local drives** box, click the Edit button.

2. In the **Scan Local Drives** pane, click **Restore Defaults**.

2.3.3 View log of the local drives scan

- Choose **Scan > View Scan Log** .

The log is displayed in Console.

2.4 Custom scans

A custom scan is a scan that you initiate. It is a scan of specific sets of files, folders, or volumes.

You might want to run a custom scan because you want to scan only suspicious parts of a disk or you want to discover files that are infected *before* you need to use them.

2.4.1 Run a custom scan

1. If the **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 the Play button.

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

2.4.2 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 16).
 - To specify what not to scan, see [Add a custom scan exclusion](#) (page 17), [Edit a custom scan exclusion](#) (page 17), or [Delete a custom scan exclusion](#) (page 19) as appropriate.
 - To disable scanning inside archives and compressed files, see [Disable scanning inside archives and compressed files for a custom scan](#) (page 19).

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

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

2.4.3 Copy a custom scan

1. If the **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 16).
- To specify what not to scan, see [Add a custom scan exclusion](#) (page 17), [Edit a custom scan exclusion](#) (page 17), or [Delete a custom scan exclusion](#) (page 19) as appropriate.
- To disable scanning inside archives and compressed files, see [Disable scanning inside archives and compressed files for a custom scan](#) (page 19).

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

Note: You can also copy a selected scan in the **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.

2.4.4 Configuring a custom scan

2.4.4.1 Open the custom scan editor

1. If the **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 in one of the following ways:

- Select the scan that you want to edit and click the Edit button.
- Select the scan that you want to edit and choose **Edit Scan** from the Action pop-up menu at the bottom of the window.

2.4.4.2 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 16).
2. In the scan editor, in the **Scan Name** field, type the new name.

2.4.4.3 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 16).
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.

2.4.4.4 Add a custom scan exclusion

You can exclude files, folders, or volumes from a custom scan. For example, you might want to exclude:

- Files that are large and therefore take a long time to scan
- Files that cause a scanning error
- Files that cause a false-positive
- Backup volumes because the files that are stored on them are scanned when they're backed up anyway

Important: Excluding files, folders, or volumes from scanning reduces your protection against threats.

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 16).
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.

For information about specifying which items are excluded, see [Exclusion rules](#) (page 17).

2.4.4.5 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 16).
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 17).

2.4.4.6 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
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

2.4.4.7 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 16).
2. In the **Excluded Items** pane, select the item that you want to delete and click **Delete** (-).

2.4.4.8 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 16).
2. In the **Options** pane, deselect “**Inside archives and compressed files**”.

2.4.4.9 Configure a custom scan to automatically clean up threats

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure a custom scan to automatically clean up threats that it detects.

Important: Sophos Anti-Virus does not ask for confirmation before cleaning up a threat.

To configure a custom scan to automatically clean up threats:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 16).
2. In the **Options** pane, choose “**Clean up threat**” 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 “**Log only**”. However, if you have enabled email alerts, Sophos Anti-Virus also sends an email alert.
 - To delete the threat, choose “**Delete threat**”.
 - To move the threat to another folder to prevent it being run, choose “**Move threat**”.

By default, the threats 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 threats are logged in the log of the custom scan.

Important: Cleaning up a threat might not be able to undo all the actions the threat has taken on this Mac. For example, if the threat changed the value of a setting, the cleanup process might not know the original setting. You might have to verify the Mac’s configuration. Cleaning up an infected document does not repair any changes the threat has made to the document.

2.4.4.10 Configure a custom scan to automatically move threats

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure a custom scan to automatically move threats that it detects to another folder. Moving an infected program reduces the likelihood of it being run.

Important: You should use this option only if advised to at the support forum. Sophos Anti-Virus does not ask for confirmation before moving a threat.

To configure a custom scan to automatically move threats:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 16).
2. In the **Options** pane, choose “**Move threat**” from the “**When a threat is found**” pop-up menu. By default, the threats 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 threats are logged in the log of the custom scan.

2.4.4.11 Configure a custom scan to automatically delete threats

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure a custom scan to automatically delete threats that it detects.

Important: You should use this option only if advised to at the support forum. Sophos Anti-Virus does not ask for confirmation before deleting a threat.

To configure a custom scan to automatically delete threats:

1. If the scan editor is not open, open it. To find out how to do this, see [Open the custom scan editor](#) (page 16).
2. In the **Options** pane, choose “**Delete threat**” from the “**When a threat is found**” pop-up menu.

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

Important: Deleting a threat does not undo any actions the threat has taken on this Mac.

2.4.5 Delete a custom scan

1. If the **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 (-)**.

2.4.6 View a custom scan log

1. If the **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.

2.5 Finder item scans

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

You might want to run a Finder item scan for one of the following reasons: you want to scan the contents of an archive or compressed file *before* you need to open it, you want to scan something before you email it, or you want to scan a CD or DVD.

2.5.1 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.

2.5.2 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.

2.5.3 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.

2.5.4 Configuring Finder item scans

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

Note: The setting of this option applies to both the local drives scan and Finder item scans. 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 **Scan Local Drives** pane, deselect **“Scan inside archives and compressed files”**.

2.5.4.2 Configure Finder item scans to automatically clean up threats

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

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure Finder item scans to automatically clean up threats that they detect.

Important: Sophos Anti-Virus does not ask for confirmation before cleaning up a threat.

To configure Finder item scans to automatically clean up threats:

1. Choose **Sophos Anti-Virus > Preferences** .
2. In the **Scan Local Drives** pane, choose **“Clean up threat”** 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 **“Log only”**. However, if you have enabled email alerts, Sophos Anti-Virus also sends an email alert.
 - To delete the threat, choose **“Delete threat”**.
 - To move the threat to another folder to prevent it being run, choose **“Move threat”**.

By default, the threats 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 threats are logged in the log of the Finder item scan.

Important: Cleaning up a threat might not be able to undo all the actions the threat has taken on this Mac. For example, if the threat changed the value of a setting, the cleanup process might not know the original setting. You might have to verify the Mac's configuration. Cleaning up an infected document does not repair any changes the threat has made to the document.

2.5.4.3 Configure Finder item scans to automatically move threats

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

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure Finder item scans to automatically move threats that they detect to another folder. Moving an infected program reduces the likelihood of it being run.

Important: You should use this option only if advised to at the support forum. Sophos Anti-Virus does not ask for confirmation before moving a threat.

To configure Finder item scans to automatically move threats:

1. Choose **Sophos Anti-Virus > Preferences** .
2. In the **Scan Local Drives** pane, choose “**Move threat**” from the “**When a threat is found**” pop-up menu.

By default, the threats 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 threats are logged in the log of the Finder item scan.

2.5.4.4 Configure Finder item scans to automatically delete threats

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

To deal with threats, we recommend that you use Quarantine Manager (see [Dealing with threats](#) (page 26)). However, you can configure Finder item scans to automatically delete threats that they detect.

Important: You should use this option only if advised to at the support forum. Sophos Anti-Virus does not ask for confirmation before deleting a threat.

To configure Finder item scans to automatically delete threats:

1. Choose **Sophos Anti-Virus > Preferences** .
2. In the **Scan Local Drives** pane, choose “**Delete threat**” from the “**When a threat is found**” pop-up menu.

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

Important: Deleting a threat does not undo any actions the threat has taken on this Mac.

2.5.4.5 Restore default Finder item scan preferences

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

To set the Finder item scan preferences to defaults recommended by Sophos:

1. Choose **Sophos Anti-Virus > Preferences** .
2. In the **Scan Local Drives** pane, click **Restore Defaults**.

2.5.5 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.

2.6 Configure email alerts

Sophos Anti-Virus can send an email if it detects a threat or a serious error occurs. This applies to on-access scanning, the local drives scan, 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.

2.7 Restore default alerting preferences

To set the alerting preferences to defaults recommended by Sophos:

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**.

2.8 Use Sophos Anti-Virus from Terminal

You can run a scan from 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
```

3 Dealing with threats

If a threat is detected on your Mac, it is listed in a component of Sophos Anti-Virus called Quarantine Manager. You should open Quarantine Manager and deal with the threat there.

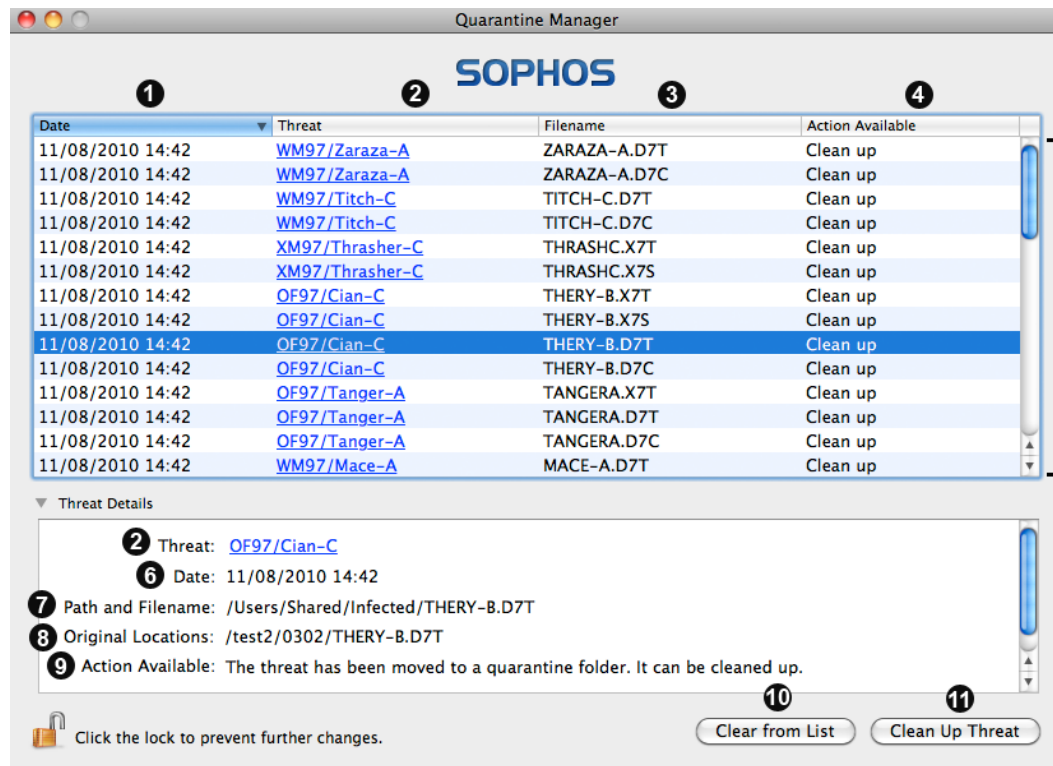
3.1 Open Quarantine Manager

To open Quarantine Manager, do one of the following:

- Choose **Window > Quarantine Manager**.
- Click the Sophos Anti-Virus icon on the right-hand side of the menu bar, and then choose **Open Quarantine Manager** from the shortcut menu.
- In the **Sophos Anti-Virus** window, click **Open Quarantine Manager**.

3.2 About Quarantine Manager

Quarantine Manager lists all the threats that have been detected by scanning and enables you to deal with them. The elements of the **Quarantine Manager** window are shown below:



1	The date and time of detection. If the threat has been detected multiple times, only the first detection is included here.
2	The name of the threat, including a link to the analysis on the Sophos website.
3	The main file associated with the threat.
4	The action that you can take to deal with the threat.
5	The list of threats that have been detected. You can sort the threats by clicking any of the column headings. You can select one or more threats to deal with at a time. The maximum number of threats listed is 200. If this limit is reached, the newest threats replace the oldest.
6	The date and time of detection. If the threat has been detected multiple times, only the first and last detections are included here.
7	The locations and names of all the files that comprise the threat.
8	If the threat has been moved during scanning or partially removed, this element is displayed. All the original files that comprise the threat are listed.
9	The action that you can take to deal with the threat and a summary of what action has been taken so far, if applicable.
10	Click “ Clear from List ” to clear a selected threat from Quarantine Manager without dealing with the threat itself. For more information, see Clear a threat from Quarantine Manager (page 29).
11	Click Clean Up Threat to clean up a selected threat. For more information, see Deal with threats in Quarantine Manager (page 28).

3.3 View threat details in Quarantine Manager

In Quarantine Manager, you can view more details on how a threat has affected your Mac, for example all the files that comprise the threat.

Some details are hidden unless you authenticate by clicking the lock icon at the bottom of the **Quarantine Manager** window.

To view details of a threat in Quarantine Manager:

1. In Quarantine Manager, select the threat for which you want to view the details.
You can select more than one threat but the details that are displayed are less specific.
2. Click the disclosure triangle next to **Threat Details**.

The threat details are displayed in the **Threat Details** box. For a description of each field, see [About Quarantine Manager](#) (page 26).

3.4 Deal with threats in Quarantine Manager

1. In Quarantine Manager, click the **Action Available** column heading to sort the list of threats according to the action available.
2. Select all the threats for which the action available is “**Clean up**”.
3. Click **Clean Up Threat**.

You must authenticate by clicking the lock icon at the bottom of the **Quarantine Manager** window.

Any threats that are cleaned up are cleared from the list.

4. Click the **Action Available** column heading to sort the list of threats.
5. If there are any threats for which the action available is **Restart**, restart your Mac to complete the cleanup.
6. Click the **Action Available** column heading to sort the list of threats.
7. If there are any threats for which the action available is “**Scan local drives**”, run a scan of local drives (see [Scan local drives](#) (page 12)).
8. Click the **Action Available** column heading to sort the list of threats.
9. If there are any threats for which the action available is “**Clean up**”, go back to step 3.
10. If there are any threats for which the action available is “**Clean up manually**”, see [Clean up a threat manually](#) (page 29).

Important: Cleaning up a threat might not be able to undo all the actions the threat has taken on this Mac. For example, if the threat changed the value of a setting, the cleanup process might not know the original setting. You might have to verify the Mac’s configuration. Cleaning up an infected document does not repair any changes the threat has made to the document.

3.5 Disable cleanup warning

By default, Sophos Anti-Virus warns you before it cleans up threats in Quarantine Manager.

To disable the cleanup warning:

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. Deselect “**Warn before cleaning up threats in Quarantine Manager**”.

Note: You can also disable the cleanup warning by selecting “**Do not show this message again**” in the warning dialog.

3.6 Clean up a threat manually

If Sophos Anti-Virus cannot clean up a threat, Quarantine Manager indicates that it must be cleaned up manually.

To clean up a threat manually:

1. In Quarantine Manager, click the threat name link.
The threat analysis web page is displayed in your web browser.
2. On the web page, click the **Action** tab.
3. Follow the instructions there for dealing with the threat.
4. To ensure that the threat has been cleaned up, run a local drives scan (see [Scan local drives](#) (page 12)).

The threat is automatically cleared from Quarantine Manager.

3.7 Clear a threat from Quarantine Manager

To clear a threat, you must authenticate by clicking the lock icon at the bottom of the **Quarantine Manager** window.

You might want to clear a threat because:

- It's been confirmed as a false-positive
- You are confident that you have successfully cleaned it up manually
- You have removed infected removable media
- You want to clear the list of threats before running a scan of local drives

To clear a threat from Quarantine Manager:

1. In Quarantine Manager, select the threat that you want to clear.
You can select more than one threat at a time.
2. Click "**Clear from List**".

Clearing a threat does not delete any files.

4 Updating

4.1 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.

4.2 Configuring updating

Because Sophos Anti-Virus for Mac: Home Edition is preconfigured to update from Sophos, only a limited range of configuration options is available.

4.2.1 Schedule updates

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**”.

4.2.2 Restore default updating preferences

To set the updating preferences to defaults recommended by Sophos:

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**.

4.2.3 Change logging preferences

All on-access scanning activity (including threats detected) and all updating activity is logged in the Sophos on-access scanning and updating log. Sophos Anti-Virus can also log such activity in the Mac OS X 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 Log 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**”.

4.2.4 Restore default logging preferences

To set the logging preferences to defaults recommended by Sophos:

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**.

4.3 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 32).

4.4 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).

5 Remove Sophos Anti-Virus

1. Find the folder /Applications and double-click Sophos Remove.
2. In the confirmation dialog, click **Remove Sophos Anti-Virus** .
3. In the user account dialog, type an administrator name and password. Click **OK**.

Sophos Anti-Virus is removed from your Mac.

6 Solving problems

6.1 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 32).

Resolve the problem

- If Sophos Anti-Virus is not attempting to update when you expect it to, see [Schedule updates](#) (page 30). Check that the settings are correct.

6.2 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

Turn on on-access scanning. For information about how to do this, see [Turn on-access scanning on or off](#) (page 5).

6.3 “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.

6.4 Manual cleanup required

Symptoms

A threat is displayed in Quarantine Manager with the available action **Clean up manually**.

Causes

This could be for one of the following reasons:

- Sophos Anti-Virus does not have threat data to clean up the threat.
- The threat is on a write-protected volume.

Resolve the problem

Depending on the reason for the threat not being cleaned up, do one of the following:

- If Sophos Anti-Virus does not have threat data to clean up the threat, you must clean up the threat manually (see [Clean up a threat manually](#) (page 29)).
- If you can turn on write access to the volume:

Clear the threat from Quarantine Manager (see [Clear a threat from Quarantine Manager](#) (page 29))

Scan for the threat again

Turn on write access to the volume

Clean up the threat in Quarantine Manager (see [Deal with threats in Quarantine Manager](#) (page 28))

7 Technical support

If you have any questions, ask other users of the software for help by visiting the FreeTalk forum at <http://openforum.sophos.com/MacAV>. Sophos does not provide technical support by telephone or email for Sophos Anti-Virus for Mac: Home Edition.

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Boost

Version 1.0, 17 August 2003

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dlcompat

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dtoa.c

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libxml2

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OpenSSL cryptographic toolkit

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Simple ECMAScript Engine

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