

Spring Cleaning[®]

User's Guide

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Spring Cleaning Notes

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WELCOME

Welcome to Aladdin's Spring Cleaning® 5.0, an uninstaller application that helps you recover hard disk space by allowing you to remove or better manage your files and applications. Spring Cleaning does more than just clean out your drives. The Spring Cleaning application includes the following search utilities:

- AccessMonitor
- Alias Fixer
- Custom Search
- Document Finder
- Duplicates Finder
- Empty Folder Finder
- Fat App Slimmer
- File Checker
- Font Finder
- MailCleaner
- Help Finder
- Internet Cache Finder
- MacUninstaller
- Orphan Adopter
- Orphaned Pref Finder
- Storage Items Finder

USING THIS GUIDE

Information presented in this guide is optimized for online viewing using hyperlinks to jump to important sections in this document. Aladdin hopes this makes using Spring Cleaning easy; your feedback is appreciated. To submit your feedback choose **iSupport > Feedback & Comments** from the Spring Cleaning menu bar.

TECHNICAL SUPPORT

Web: <http://www.aladdinsys.com/support/techsupport/mac/index.html>

This User's Guide should answer the majority of your questions. If you are experiencing crashes or freezes while using or attempting to use Spring Cleaning 5.0, please refer to the Troubleshooting Read Me which is included in the Spring Cleaning 5.0 application folder's Read Us First folder.

Online technical support is available 24 hours a day 7 days a week through the Web site listed above. Please be sure to have the following information below handy when requesting support:

- Write down your questions or have a clear idea of the problem.
- Be prepared to duplicate the problem. Write down the steps you took that caused the problem.

- Be prepared to give the following information:
 - Any error messages
 - Your computer model
 - Your Mac OS version (system version)
 - The amount of RAM installed in your machine
 - Your Spring Cleaning version number and registration number

HOW TO CONTACT ALADDIN SYSTEMS

Web: <http://www.aladdinsys.com>
email: service@aladdinsys.com (Not for technical support. For technical support, please review the Technical Support section within this Introduction.)
Fax: 831-761-6206
Phone: 831-761-6200
Mail: Aladdin Systems, Inc.
245 Westridge Drive
Watsonville, CA 95076

SYSTEM REQUIREMENTS

Spring Cleaning requires a Power Macintosh computer with 8 MB of free RAM and 13 MB of free hard disk space, running Mac OS 8.6 through Mac OS 9.x.x with CarbonLib 1.5 or newer and Mac OS X 10.1 or newer.

INSTALLING SPRING CLEANING

If you have an older version of Spring Cleaning on your computer, do not remove it until you have installed this version. This will allow Spring Cleaning to retain your preferences from the previous version. These instructions work for both Mac OS X and Mac OS 9.2.2 and earlier.

To install Spring Cleaning, do the following:

1. Double-click the Spring Cleaning® 5.0 Installer icon that corresponds to the operating system that you wish to install to. Users on Mac OS X will need to enter their administrator name and password in the screen. Click **Continue** when the installation splash screen appears.
2. The installation startup text appears in the next screen. This text includes important information. After reading it click **Continue**.
3. The Software License Agreement appears in the next screen. Read the agreement and click **Agree** only if you are in agreement and ready to proceed.
4. The registration screen appears next. Enter your name and registration number. Your registration number appears on the CD package or in an email if you downloaded Spring Cleaning. Enter it exactly as it appears. You are not required to enter a company name. Please note that if this screen does not appear then you have a pre-registered version of

Spring Cleaning and will not have to enter a registration number.

5. Click **Register**. The installation screen appears next.
6. Click **Install**. The default directory appears next.
7. Select the location in which to install. If you do not want to install Spring Cleaning into the default location, use the buttons to navigate to the folder into which you want to install Spring Cleaning.
8. Click **Choose**. The installer finishes installation.

Note: The installer may remove components from previous versions of Spring Cleaning or other Aladdin products such as StuffIt Deluxe™ and replace them with newer components.

UNINSTALLING SPRING CLEANING

To remove Spring Cleaning from your hard drive, use the following procedure:

1. Follow steps 1-6 of the installation instructions.
2. Choose **Uninstall** from the pop-up menu.
3. Check the **Uninstall Spring Cleaning® 5.0** box.
4. Click **Uninstall**.
5. Navigate to and select the Spring Cleaning 5.0 folder.
6. Click **Choose** at the bottom of the dialog.
7. Click **Quit**.

REGISTRATION

Upon first launch of Spring Cleaning a registration screen will appear. Please take this time to register your copy of Spring Cleaning with us. Free technical support is available to all registered users. After registering, you will be notified of upgrades, new products, and special offers from Aladdin.

Registration is easy. Choose one of four ways:

- Click **Register** in the Registration screen that pops up after you first launch Spring Cleaning.
- Choose **iSupport > Software Registration...** from the Spring Cleaning menu bar
- Register online at: <http://www.aladdinsys.com/register/>
- Call Aladdin customer service at (831) 761-6200

Register now, while you are thinking about it.

iCLEAN OVERVIEW

iClean™ is a quick and easy way to locate and remove files left over from Internet browsing. iClean cleans out web cache files, Internet history files, browser cookies, reattaches aliases and empties your trash.

If you use a web browser, iClean can recover megabytes of disk space and remove traces of where you visited on the web. iClean will also tell you how many megabytes you will save prior to removing the files.

USING iCLEAN

The following steps guide you through the general process of using iClean.

1. Double-click the iClean icon in the Spring Cleaning folder.
2. Select which searches you want iClean to perform. The first time you launch iClean, all searches are selected by default. If there's one you *don't* want performed, click once on the icon button for that search. iClean remembers what searches you performed the first time and automatically selects those searches for the next launch. You can always change the searches you want to perform at any time.
3. Click **Clean**. If any items are found the Search Results window appears.
4. Examine the Details of each search by clicking **Details**. In the Details window for each search, select or deselect the items you want iClean to remove. When iClean removes files they are deleted from your hard disk. There is no Undo for this action. Click **Done** when you finish selecting the files you wish to remove.
5. Click **Finish Cleaning**. iClean proceeds to delete the selected items.

When iClean finishes, a window displays the number of files removed and the amount of space saved.

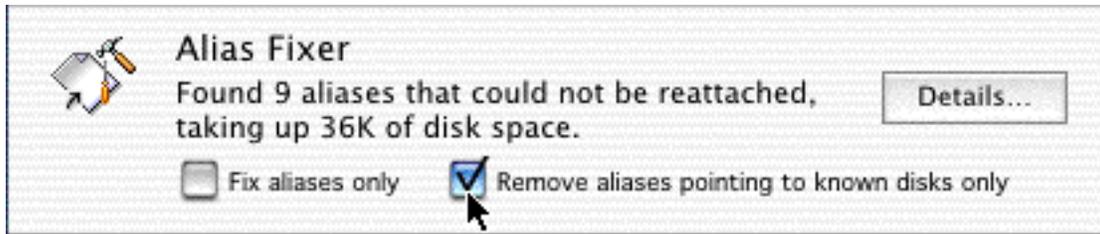
iCLEAN SEARCHES

This section describes the process of each of iClean's five searches.

ALIAS FIXER



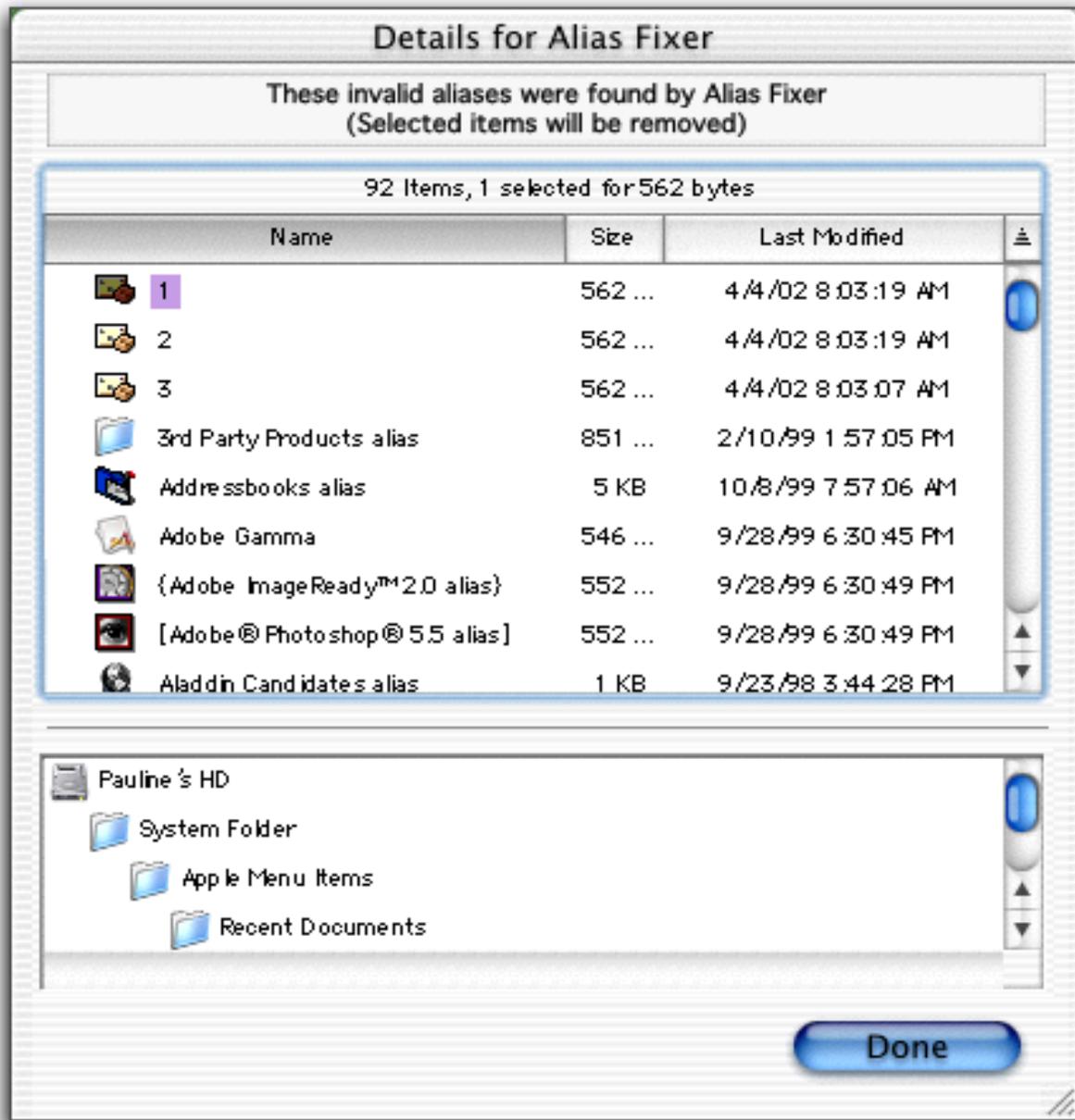
Alias Fixer scans for aliases that do not seem to point to a valid location. Aliases can clutter up your desktop and slow down navigation. Invalid aliases only make it worse. iClean first attempts to automatically reattach these aliases to the original file or application. If there are aliases that iClean cannot resolve, they will appear in the Search Results window. In the display for its search results there are 2 checkboxes:



Click **Fix Aliases Only** to reattach aliases with their parent files. This option is on by default. When enabled, the **Remove aliases...** option is inactive. When **Fix aliases only** is disabled, **Remove aliases...** becomes active and can be checked or unchecked.

Remove aliases pointing to known disks only is automatically selected for you. Clicking the **Details** button shows only aliases that point to known volumes (such as hard disks or mounted servers). All others are not displayed. Choose which of the aliases in that list to remove.

If both checkboxes are not checked, then all aliases may be removed, whether or not they point to known volumes. The Details window displays all of the aliases, and you may choose which to keep or remove. Click **Details** to display all of the invalid aliases found.



COOKIE TOSSER



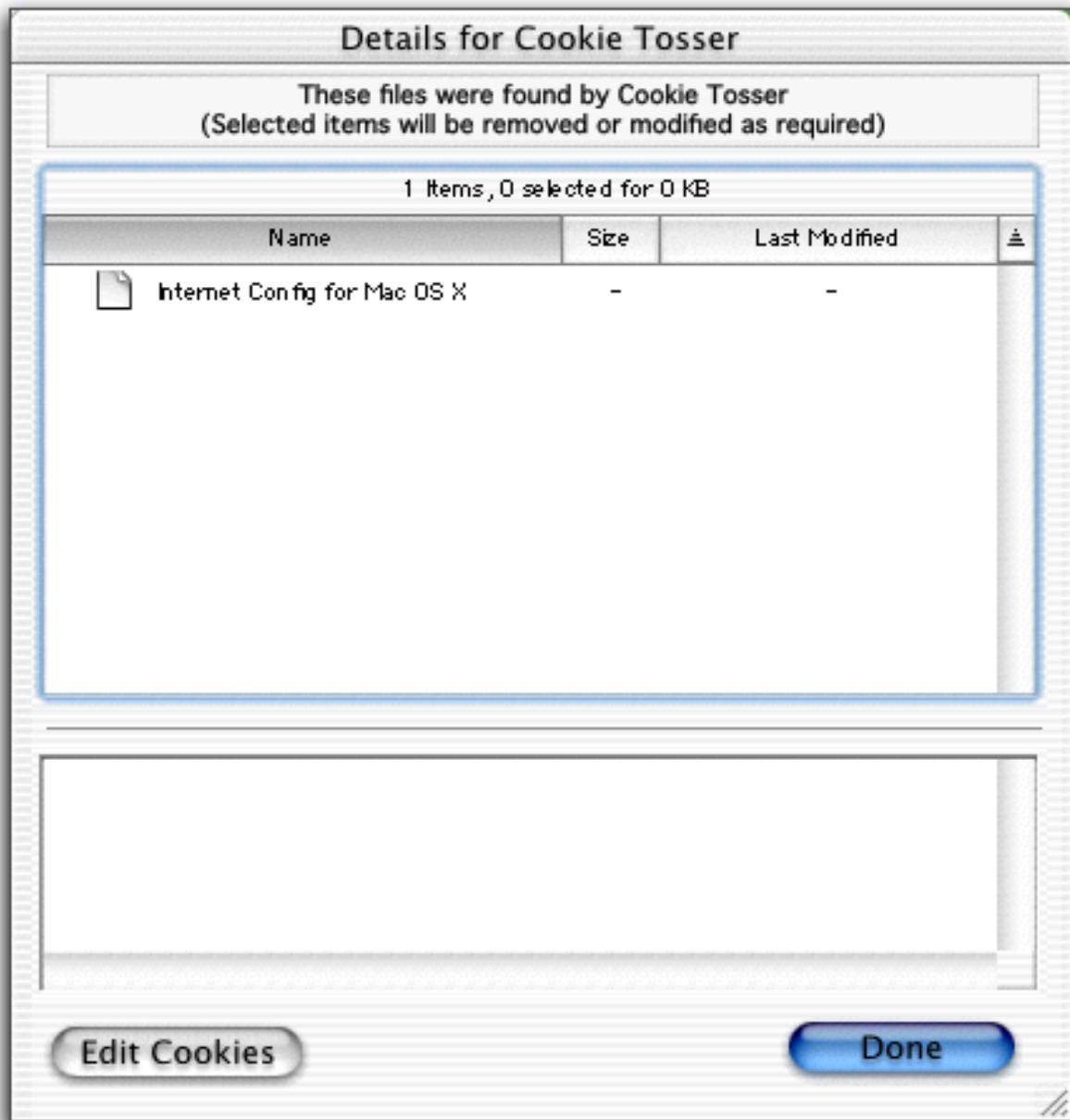
Cookie Tossler locates all the cookies created using the Internet browsers on your Macintosh. This includes:

- Netscape Navigator or Communicator
- Microsoft Internet Explorer/America Online
- iCab

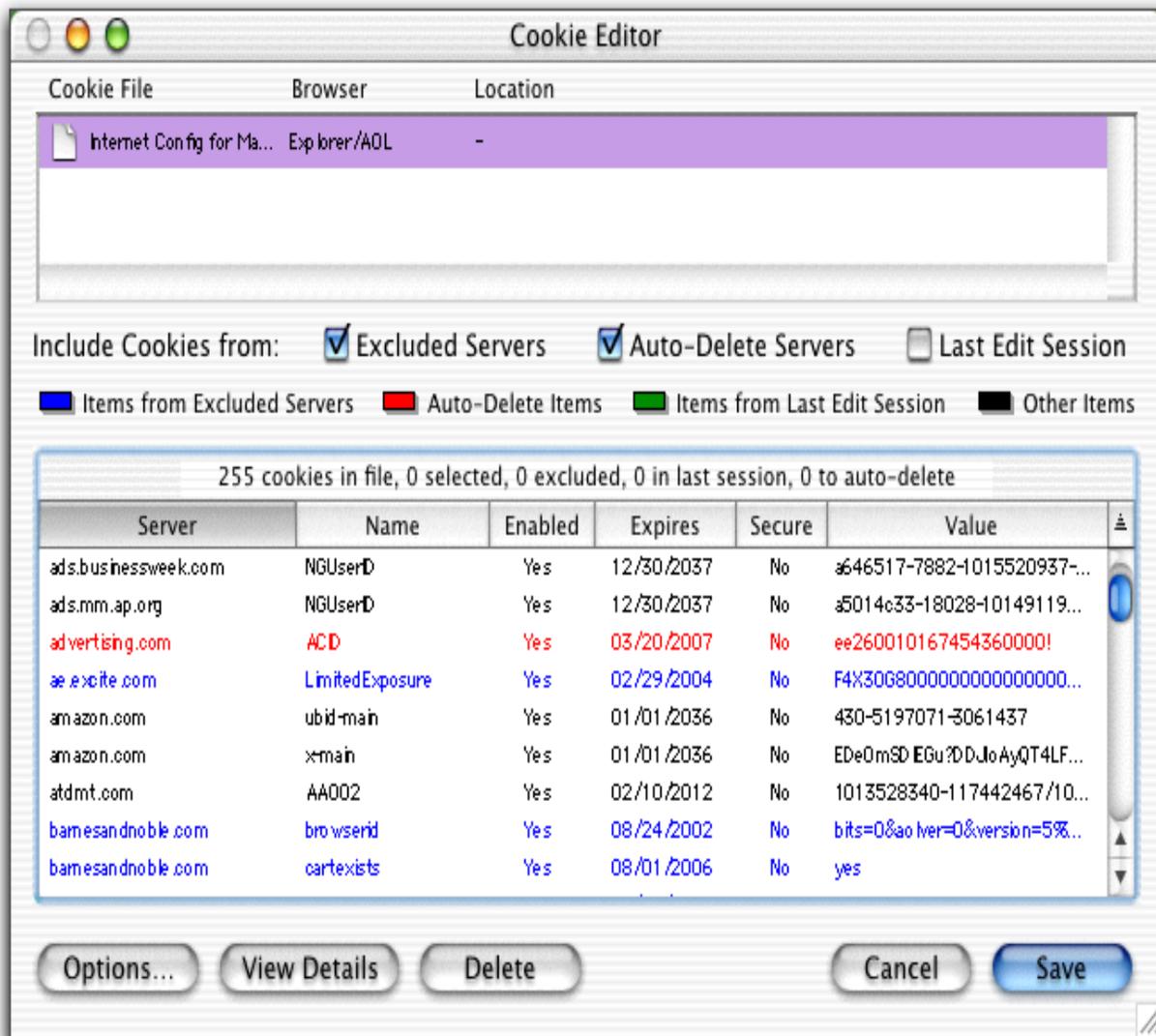
Cookie Tossler is more than just a cookie removal method, in fact it is an entire cookie management system. Use Cookie Tossler to delete cookies, view cookie details, and hide or exclude cookies so that you do not accidentally delete the ones you want to keep.

The Details window shows all the cookie files from the selected hard drives. When you use this feature, your Internet Preferences file is modified, but not deleted.

Microsoft Explorer cookies are stored in a file called Internet Preferences or Internet Config for Mac OS X. Netscape 6.X stores them in a file called Cookies.txt. Netscape Navigator's cookies are stored in the file Magic Cookie and iCab cookie data is stored in the file iCab cookies. When you click **Finish Cleaning**, the cookie data is removed, leaving the rest of the file intact. These files get deleted or edited when you click **Finish Cleaning**.



Click on a file you want to edit and click **Edit Cookies**. The Cookie Editor window is where you manage all your cookies. Any changes you make using the Cookie Editor are not saved until you click **Save**. Even if you delete a cookie, you can still recover by clicking **Cancel** at the bottom of the window.



To delete a cookie you no longer want, click on the cookie and click **Delete**. Delete more than one cookie at a time by holding down the *SHIFT* or *COMMAND* keys while selecting cookies and then click **Delete**.

There are many different cookies that you might want to keep. For example, the cookies used by your bank so you can log into your account and bank online or the cookie for online magazine subscriptions and more. To prevent yourself from accidentally deleting these valuable cookies, you add them to the excluded list. When cookies are in the excluded list, they are hidden from view unless you enable the **Include Cookies from Excluded Servers** option. You can also add a cookie to the **Auto-Delete Servers** list so that it gets automatically deleted. Clicking the **Last Edit Session** checkbox will show only those cookies that have appeared since the last time you edited your cookie list. The display options are color coded so that you can easily see which cookies belong to which list if you want all of them to appear. By clicking on a color box you can choose which color you would like the text to be displayed in.

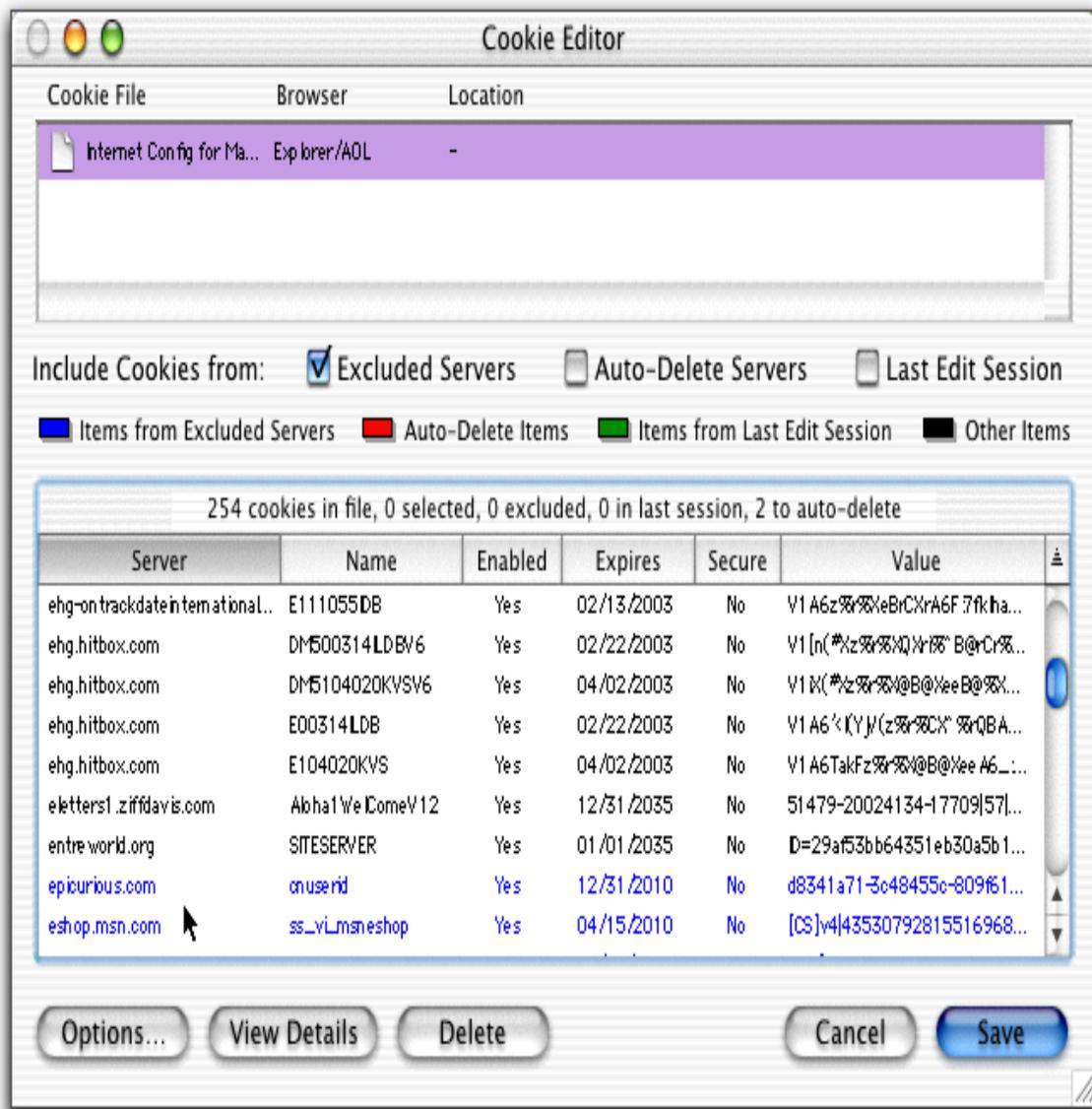
To add a cookie to these lists choose a cookie or several by command clicking them and click **Options...** Click **Add Server** in the top half of the screen to add the server your chosen cookie comes from to a list of servers that will never have cookies displayed in the search results list. Clicking the checkbox next to the server name will allow all cookies that come from a server with a name that contains the server name specified to also not appear in the cookie list for possible deletion. This is helpful for insuring that chosen cookies will not be accidentally deleted.

Conversely, you can choose to add the server from which your chosen cookie came from, as a server to always delete cookies from. Choose a server from either list and click **Remove Server** to remove it from either list. **Cancel** will cancel all actions taken in this screen. **Save** will keep all of your changes.

Additionally, you can manually add cookies to the either list by typing the server name in the Server field and click **Add Server**. Click **Save** when done.

To view the cookie data in more detail, click on a cookie in the list and click **View Details**. The details dialog does not let you change any cookie data, but it does show important information about a cookie including name, expiration date, value or data itself, whether it is secure and whether or not the cookie is enabled.





WEB CACHE FILES REMOVER



Web Cache Files Remover locates and removes all the cache files created by any of the Internet browsers on your Macintosh. Summary results, including the amount of disk space used by the cache files, are displayed in the main window.

Use the Details window to select or deselect the cache files you want removed.

INTERNET HISTORY FILES



Internet History Files Remover locates and removes all the history files created by any of the Internet browsers on your Macintosh. Summary results, including the amount of disk space used by the history files, are displayed in the main window.

Use the Details window to select or deselect the history files you want removed.

EMPTY TRASH



Since you may have accumulated any number of items in your Macintosh trash can, this action empties the trash, permanently removing the items in it. Click **Details** to choose which files are actually deleted.

SPRING CLEANING SEARCHES

OVERVIEW OF SPRING CLEANING SEARCHES

Spring Cleaning searches for files you wish to clean or manage on your hard drive or removable media. After files are located “actions” can be performed on individual items or groups of items. Such actions include deleting files and applications completely, moving them to a StuffIt archive or removable disk for archiving purposes, and many other options that help you manage your data better. In this User’s Guide, all the actions you can take with a particular search are listed after each search description.

Spring Cleaning has support for application packages, long file names, Unicode file names, HFS+ file systems and for file sizes greater than 2GB. In Mac OS X applications can be placed in packages with all of the necessary components placed in this same package. Under mac OS 9.2.2 and older these packages appear as folders.

You can automatically return certain items to their original location using Spring Cleaning’s [Restore](#) command. See [“Restore” on page 30](#) for more details.

Note that you cannot search for files or folders for which you do not have access rights.

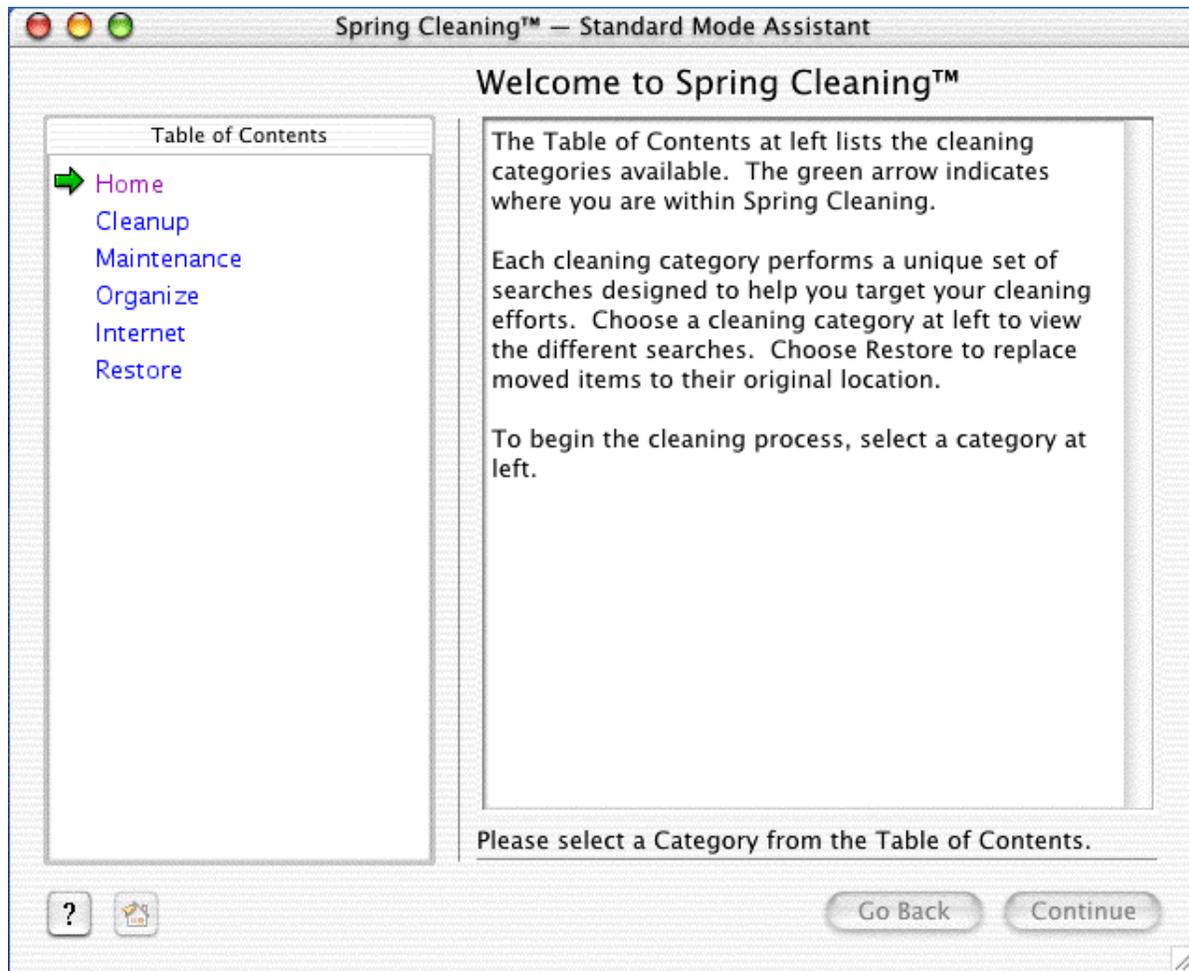
SPRING CLEANING ACCESSIBILITY

You can launch the application by double clicking the Spring cleaning icon or via the **Spring Cleaning System Menu** in Mac OS X. With this handy tool you have access to all of the **Advanced Mode** searches. This menu is available by clicking the broom icon on the upper right of your screen. This increased accessibility via the icon will only appear in the Finder Application for Mac OS X. You can remove this menu by selecting the menu and command-dragging it off the menu bar.

To use the **Spring Cleaning System Menu** simply highlight a folder or volume and click the broom icon. A drop down menu will appear where you can choose a search. Only volumes and folders can be written to will be searched.

SEARCH MODES

Spring Cleaning has two modes of operation, **Standard Mode** and **Advanced Mode**. In **Standard Mode**, Spring Cleaning organizes the searches by category: **Cleanup**, **Maintenance**, **Organize**, **Internet**, and **Restore**.



Click on a category on the left to see the available searches. Double-click on a category to expand the list of available searches and click on a search to perform then click **Continue** at the bottom of the window. Click **Go Back** at any time to go back one step.

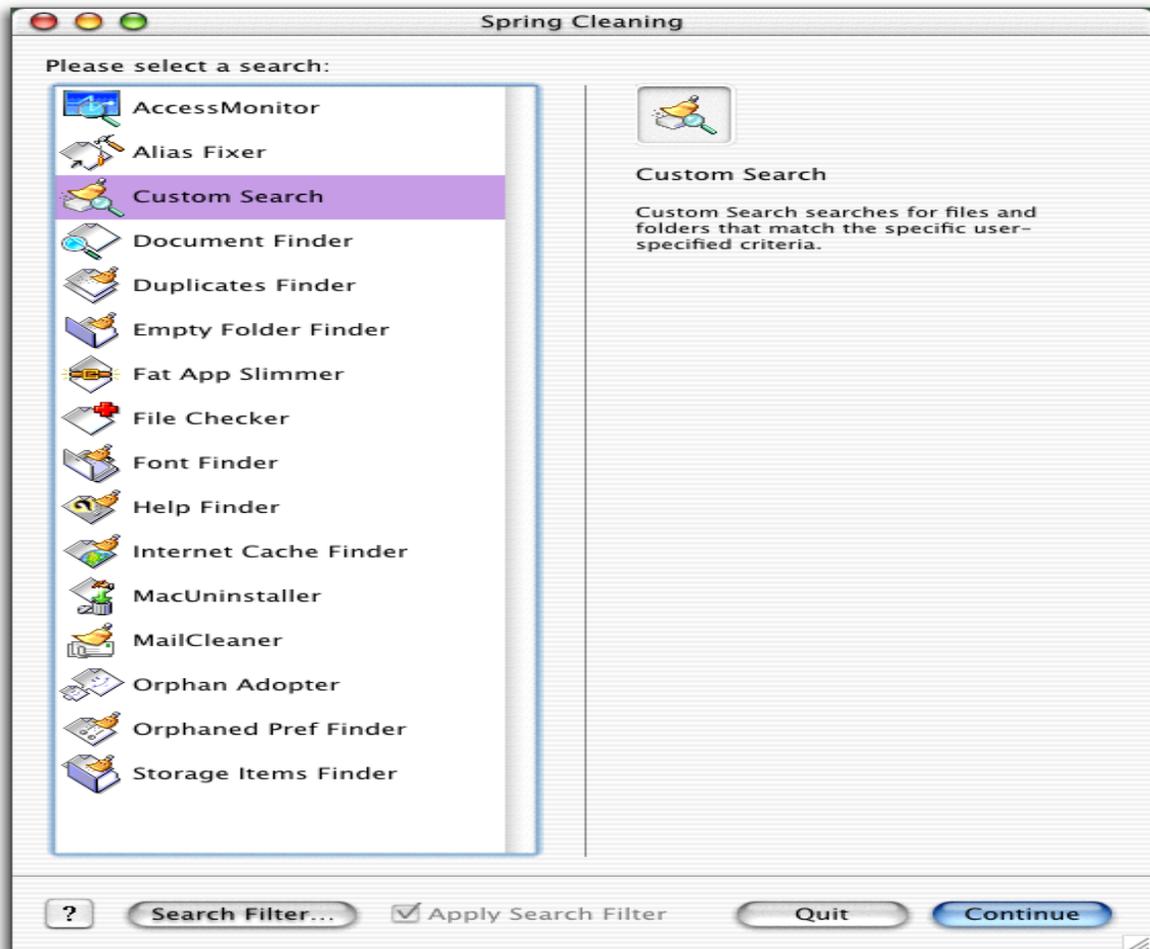
The following searches are available in **Standard Mode**:

- [Alias Fixer](#)
- [Document Finder](#)
- [Duplicates Finder](#)
- [Empty Folder Finder](#)
- [File Checker](#)
- [Help Finder](#)
- [Internet Cache Finder](#)
- [MacUninstaller](#)
- [MailCleaner](#)
- [Orphan Adopter](#)
- [Orphaned Pref Finder](#)
- [Storage Items Finder](#)

In **Advanced Mode**, Spring Cleaning displays its searches in the Search Type window. The searches find items based on certain criteria, which you specify, and group them so you can

perform a variety of actions. Each search serves a specific purpose and is described in detail later in this chapter.

NOTE: **AccessMonitor** is only available under Mac OS X.



The following searches are available in **Advanced Mode**:

- AccessMonitor
- Alias Fixer
- Custom Search
- Document Finder
- Duplicates Finder
- Empty Folder Finder
- Fat App Slimmer
- Font Finder
- MailCleaner
- Help Finder
- Internet Cache Finder
- MacUninstaller
- Orphan Adopter
- Orphaned Pref Finder

- File Checker
- Storage Items Finder

WHERE TO SEARCH

In **Advanced Mode**, you select any or all of the drives, volumes, or removable media to which you are connected and have permission for your search. Spring Cleaning allows you to select exactly where you want to search every time you use the application. A Search Location window will appear after you choose a search. In this window you can drag a folder or volume or choose one if the volumes listed by clicking and highlighting it. Alternatively you can chose **Edit > Add Search Context** and navigate to the folder, removable media or volume you wish to scan. You must choose a folder or volume even if you dragged a folder to the window. You can delete items from your list of scannable items by selecting it and pressing the Delete or Backspace key or by choosing **Edit > Delete**. Volumes on local fixed disks cannot be deleted from this list.

In **Standard Mode**, Spring Cleaning searches only local volumes. If you want to search CD's or network volumes, switch to **Advanced Mode** by choosing **File > Switch to Advanced Mode**.

SEARCH RESULTS

Once a search completes, the Search Results window displays all the files found during the search. This window is where you perform “actions” to clean up your hard drive. The actions are described in each search utility and in detail in [“Actions” on page 40](#). If you are in **Standard Mode** and want to use an action available only in **Advanced Mode** simply select **“Show Advanced Mode Actions”** in the **Actions** pop up menu.

When you select an item in the list, information about it appears in the lower section of the Search Results window. You can launch an item from that list by double clicking it.

HOW TO SEARCH

In **Standard Mode**, the following steps guide you through the general process of finding and removing items:

1. Double-click a category to expand the list or click **Continue** at the bottom of the window.
2. Double-click on the search from the expanded list on the left or you can click on the search you want and click **Continue**.
3. Choose an action to perform on the items in the results window. You can perform a single action on everything or different actions on different files.
4. Click **Apply** for each action you want to perform.
5. Click **Continue** to move to the next search in the same category, or choose a new search from the list on the left.
6. Click **Conclusion** at the bottom of a category to see a summary of searches and actions performed in that category.

For **Advanced Mode**, the following steps guide you through the general process of finding and removing items. Some searches have additional steps, which are detailed in their respective sections.

1. Click a search button in the Search Type window. You may only select one search at a time.
2. Click **Continue**. The Search Location window will appear.
3. If you drag a folder(s) to this window or have more than one volume mounted, click the item you want to search, or hold *Shift* or *Command* keys and click to select multiple items. To perform a different search, click **Go Back**.
4. Click **Continue**. The Search Results window appears.
5. Choose an action to perform, if desired, on the results using the **Action** popup menu at the top of the Search Results window.
6. You will be prompted to provide additional information for [AccessMonitor](#), [Duplicates Finder](#), [Document Finder](#), [Custom Search](#) and [MacUninstaller](#). For more information about specific requirements, see the section in the online User's Guide for that particular search.
7. To start a new search, click **Start Over**. If you have more than one drive mounted or need to specify new drives to search, click **Go Back**.

Choosing a search in the **Spring Cleaning System Menu** will launch Spring Cleaning if it is not already launched. Spring Cleaning will automatically open in **Advanced Mode**. See **Advanced Mode** searching above.

NOTE: For both **Standard Mode** and **Advanced Mode**, if there are items in the trash that meet the search criteria, they are listed in the Search Results window. We recommend you empty the trash before performing a search.

NOTE: AccessMonitor, Document Finder, Duplicates Finder, Custom Search and MacUninstaller require additional information to complete the search and you will be prompted for it. For more information about specific requirements, see the section below for that particular search. Some applications will have files that are not visible to the user but are in fact integral files to the application.

To start a new search, click **Start Over**. If you have more than one drive mounted or need to specify new drives to search, click **Go Back**.

SEARCHES AND ACTIONS

The next sections of the user's guide take you through the process of using Spring Cleaning's searches and actions that can be performed. Different searches may have different actions associated with them. For a detailed list of all the actions and what they do, see ["Actions" on page 40](#).

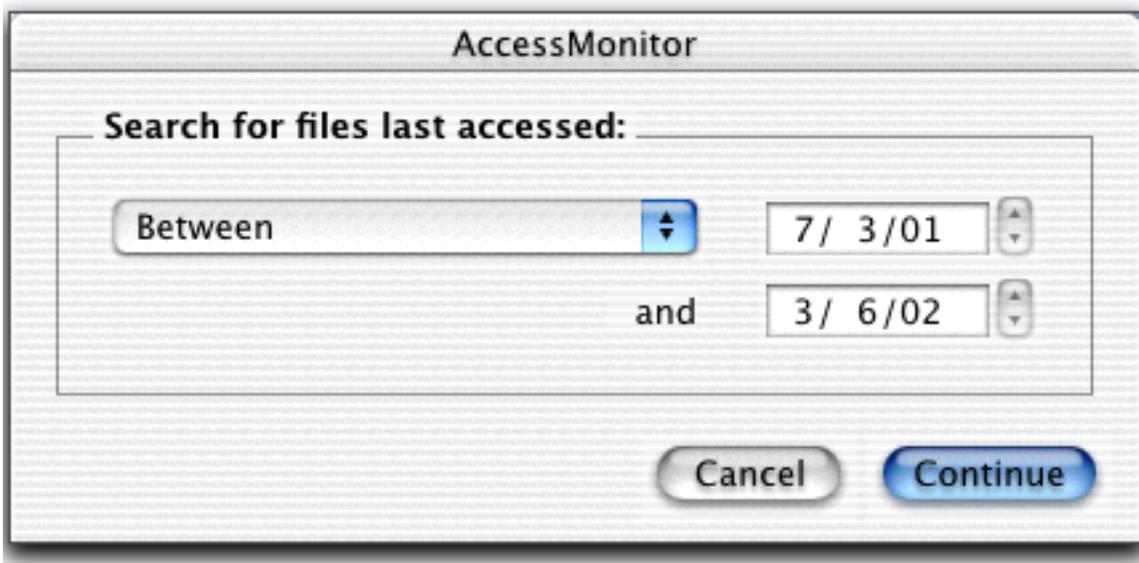
You have the ability to restore certain items to their original location, using Spring Cleaning's [Restore](#) command, accessible in the File menu under Mac OS 9 and earlier, and in the Spring Cleaning menu under Mac OS X. If the **Restore** command is grayed-out, you cannot restore that item.

Items may be restored after taking the following actions:

- [Duplicate to...](#)
- [Duplicate to StuffIt Archive...](#)
- [Move and Leave Alias...](#)
- [Move to Storage Folder...](#)
- [Move to Trash...](#)
- [Move to...](#)
- [Move to StuffIt Archive...](#)

ACCESSMONITOR

AccessMonitor is a Mac OS X only search that returns a list of files that have not been accessed in a specified length of time. The length of time can be 3, 6, or 12 months or a specific date you set. All files matching the search criteria are then presented to you in a window where you can perform additional actions on any number of them.



NOTE: AccessMonitor is only available in **Advanced Mode**.

You can perform the following actions with AccessMonitor:

- [Assign Parent](#)
- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)

- [Move to Trash](#)
- [Replace with Alias to](#)
- [QuickCompare](#)
- [Run AppleScript](#)

ALIAS FIXER



Alias Fixer locates aliases that do not point to a valid file on the volume searched. Spring Cleaning first attempts to automatically reattach these aliases to the original file or application. If there are aliases that Spring Cleaning cannot resolve, they will appear in the Search Results window. The aliases that are found are grouped into two categories:

1. “These aliases could not be resolved.”
2. “These aliases point to items not in the search locations.”

Aliases in the first category are most likely truly invalid unless they point to servers or items on servers that you are not logged onto while performing the search. Typically, this is because the original item was deleted, but the alias was not. If you do not have the original item, you can move these unresolved aliases to the Trash.

If you recognize aliases that point to items on drives you did not search, you can exclude them from future searches since you know they are valid. See [“Exclude from Future Searches” on page 46](#).

Aliases in the second category may or may not be invalid. You can also choose to remove them or search different locations to find the originals. Use the [Point Alias to](#) action in **Advanced Mode** to point the alias to a new item.

NOTE: When running on Mac OS X, the preference setting “Ignore items in Recent... folders” is not used; these folders will be searched.

You can perform the following actions with Alias Fixer:

- [Exclude from Future Searches](#)
- [Move to Trash](#)

In addition to the above, you can perform the following actions using Alias Fixer in **Advanced Mode**:

- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Launch with](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Point Alias to](#)
- [QuickCompare](#)

- [Run AppleScript](#)

CUSTOM SEARCH

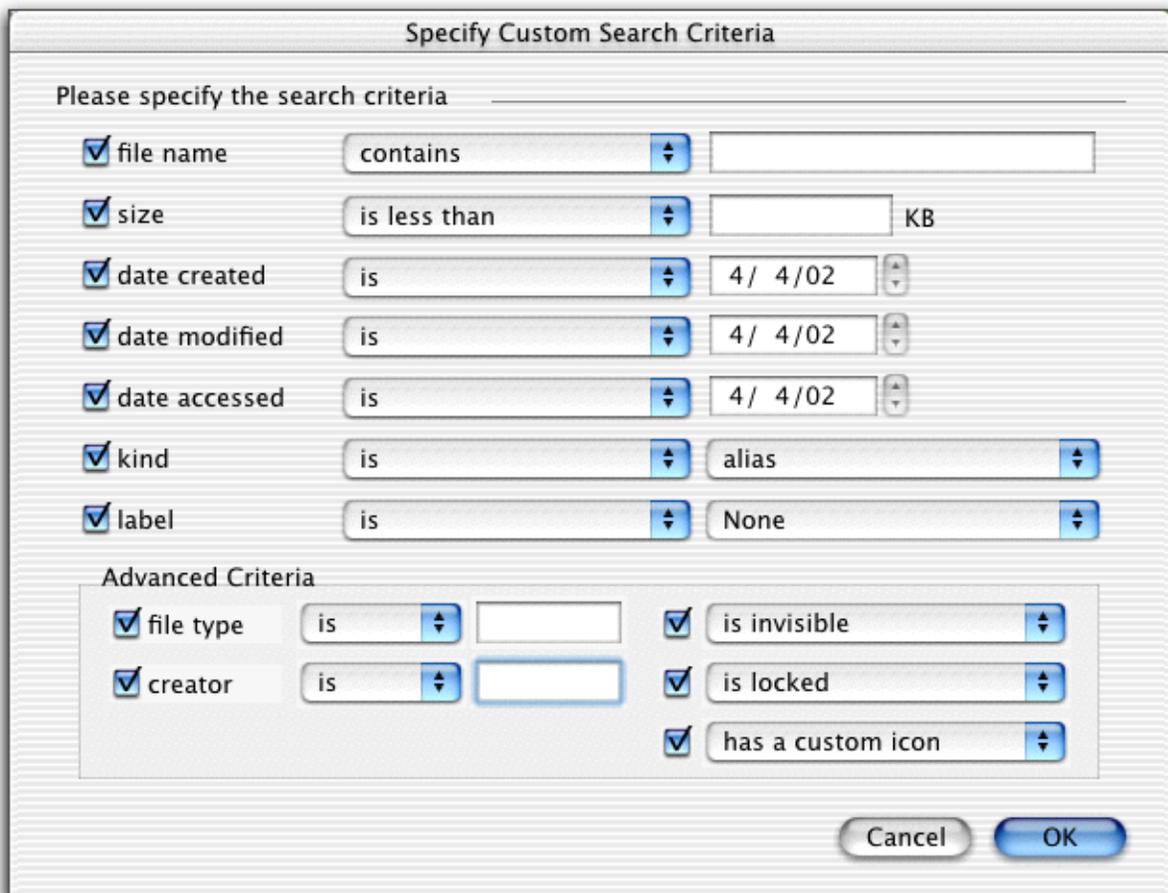


Custom Search is helpful for finding specific items or sets of items to more easily organize your Macintosh. This option can be significantly faster since your search is generally more targeted. You can move items to a StuffIt Archive, copy to a removable media, or any other of the Spring Cleaning actions. You can target your search based on the following criteria

- File name
- Size
- Date created
- Date modified
- Date accessed
- Kind
- Label
- File type
- Creator
- and more!

Choose the volume or folder that you want to search by highlighting the item and clicking **Continue**. The **Specify Custom Search Criteria** window will appear. This is where you can specify what criteria you want to search for. You must specify at least one search criterion to proceed. Click **OK** when you are done.

NOTE: Custom Search is only available in **Advanced Mode**.



You can perform the following actions with Custom Search:

- [Assign Parent](#)
- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)
- [Replace with Alias to](#)
- [QuickCompare](#)
- [Run AppleScript](#)

DOCUMENT FINDER

Document Finder is helpful in finding files that were created by an application that is no longer installed on your computer. You can find all these files and delete them or archive them. You can also use Document Finder to move all files of a particular type into one location for better organization. After you click **Next** in the search type window:



1. Navigate to and select a document of the type you want to find.
2. Click **Choose**.

Document Finder will find all documents of the same type as the one you selected. The files that are found are grouped into four categories:

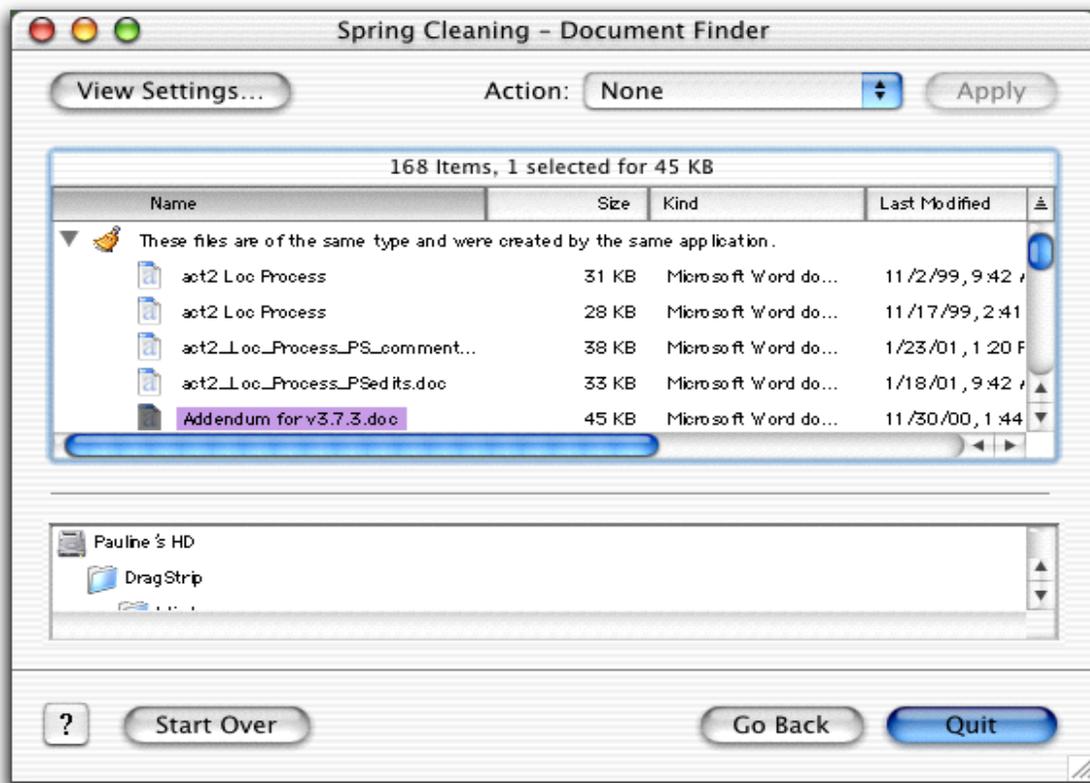
1. “These files are of the same type and were created by the same application.”
2. “These files are of the same type but were created by a different application.”
3. “These files have the same file name extension.”
4. “These files have a file name extension associated with the selected file type.”

Files in the first category should have icons the same as the original file you selected. That is because they were all created by the same application.

Files in the second category do not have the same icon. For example, if you select a SimpleText text file, then Spring Cleaning will find all files whose type is TEXT. This includes AppleWorks files, Microsoft Word text files, and other text files.

The third category has files that match the same file name extension as that of the chosen file but do not have the same type and creator.

If the chosen file does not have a file name extension then Spring Cleaning will attempt to match the file's type and creator code and will place those matching files in the fourth category.



You can perform the following actions with Document Finder:

- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, the following actions can be performed with Document Finder in **Advanced Mode**:

- [Assign Parent](#)

- [Delete](#)
- [Duplicate to](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

DUPLICATES FINDER

Duplicates Finder locates duplicate and similar files and packages that you may not need. With OS X most applications are placed in packages. These appear as folders in classic. Deleting files or packages such as these will help recover wasted disk space. You may choose to not scan for duplicate packages in the prompt after you have chosen this search. The items that are found by Duplicates Finder are grouped into four categories:

- “Each of these files is similar to at least one other file listed.”
- “Each of these files has an identical name to at least one other file listed.” or if Packages are searched for:
- “Each of these Packages is similar to at least one other Package listed.”
- “Each of these Packages has an identical name to at least one other Package listed.”

The items are further grouped into sets, each designated by a disclosure triangle. Click the disclosure triangle to hide a particular set. To display the items in the set, click the disclosure triangle again.

The first category lists items whose contents are identical. The first item in each set is the first item that Spring Cleaning found and is not necessarily the most important one to keep. The indented items are duplicates. All copies of a file or package are listed, including the original.

The second category lists items that have the same name as at least one other item, but the contents of the items may not be identical.

It is important to note the differences between the categories. Spring Cleaning searches the actual contents of the items on your hard drive to find duplicate files or packages. Thus, in the first category, there may be items that have different names that are actually duplicates, while other duplicate items listed do have the same name. However, in the second category, items that do have the same name do not necessarily have the same contents.

NOTE: Items will only appear in one category. Duplicate items are listed in the first category, whether or not they have the same name.

When determining what actions to take on the items returned by this search, the name, size, kind, and location of the files are extremely helpful in providing information to assist with your decision.

If there are only two items of the same name, check their size and kind. This will help you determine whether they are the same. If all factors are the same, then the items are most likely identical. The surest method for checking duplicate files is to use a file share utility. You can double-click a file in the Search Results window to open it for viewing.

In the second category, if there are multiple items with the same name, the *size* of the files will be the most helpful determining factor. For example, there may be four files of the name “Prudence” but two are 102k in size and two are 57k in size. This indicates that all four items are not identical. Most likely, there are two sets of identical files.

Also note the *type* of a file. An application and its alias may have the same name, but they are not duplicates, and you may want to keep both of them. If there are multiple copies of a preference file, keep the one in your active System Folder. Other files associated with a particular application are often kept in the folder containing that application. If there are multiple copies of an application, you can see the version listed in the Search Results window. It is often best to keep only the most recent version of an application. You can use MacUninstaller to remove duplicate versions of an application.

You can perform the following actions with Duplicates Finder:

- [Exclude from Future Searches](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, the following actions can be performed with Duplicates Finder in **Advanced Mode**:

- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

EMPTY FOLDER FINDER



Empty Folder Finder searches for empty folders. Empty folders don’t take up hard disk space, but when you look for files on your computer, empty folders can slow down the find. Many users store custom icons on empty folders. By default, the preferences are set to ignore empty folders with custom icons.

The folders found in this search are grouped into two categories:

1. “These folders are empty.”

2. “These folders are empty but have custom icons.”

The second category will only appear if the “Show/hide folders with custom icons” preference is enabled. Generally, it is safe to delete any empty folders. Folders titled “untitled folder” or “empty folder” can be deleted without hesitation. To remove empty folders, use the Move to Trash action.

You can perform the following actions with Empty Folder Finder:

- [Exclude from Future Searches](#)
- [Move to Trash](#)

In addition to the above, you can perform the following actions with Empty Folder Finder in **Advanced Mode**:

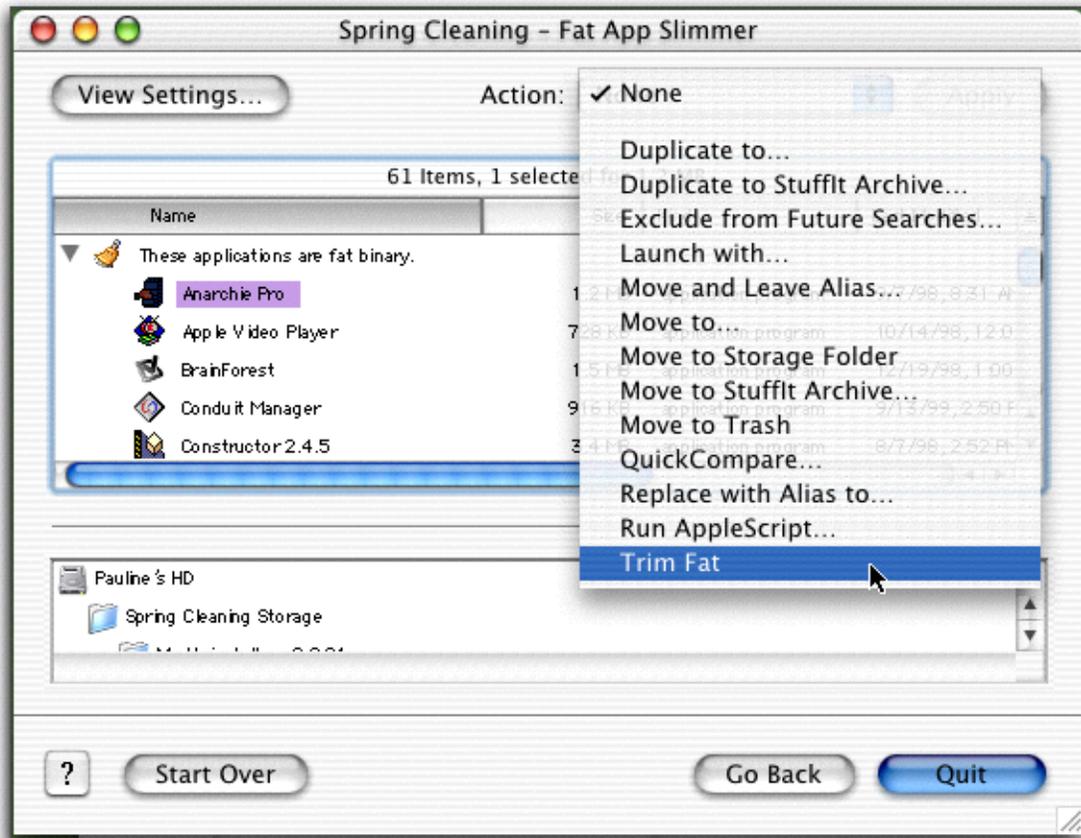
- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

FAT APP SLIMMER

This search allows the removal of unnecessary application code from your machine, helping to regain wasted disk space. Fat App Slimmer is only available as an **Advanced Mode** search.

Many applications are written for both PowerPC (PPC) and 680x0 processor machines. These are called “fat binary” applications. Most programs don’t use both types of code. Spring Cleaning looks at your applications and displays a list of those that can be ‘trimmed’ of unnecessary code.

If you do not have a backup of your applications, or you are unsure, set the preferences to create a backup copy. See [“Trim Fat” on page 65](#) for more information.



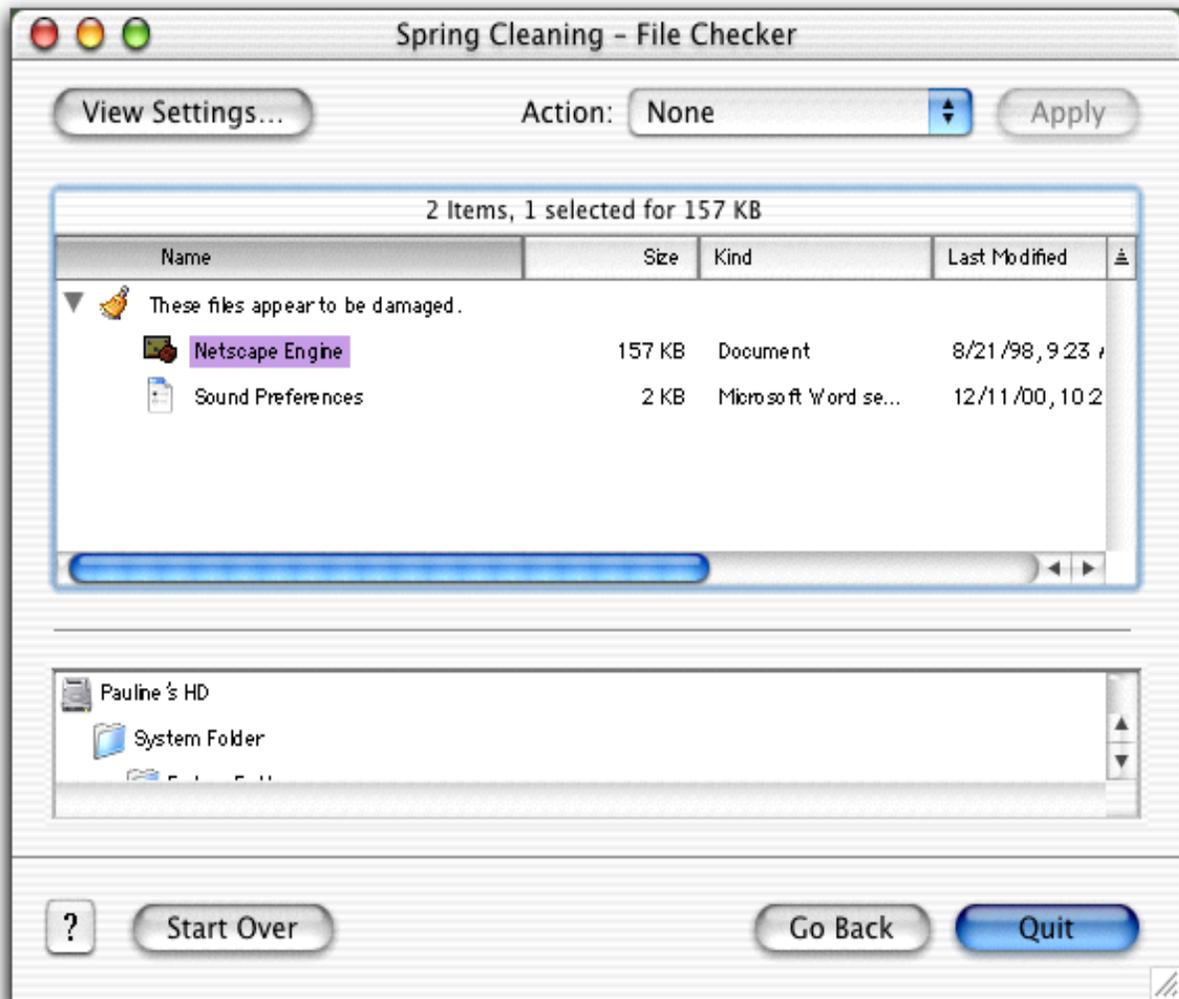
Once you have trimmed an application, run it to ensure that it is working properly, then empty the Trash of the backup copy. If you do need the backup copy, drag it out of the Trash.

The following actions can be taken on the applications found in the Fat App Slimmer in place of the Trim Fat action:

- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)
- [Trim Fat](#)

FILE CHECKER

File Checker searches for damaged files and packages whose structural integrity or data cannot be verified. If you no longer need the files, cannot repair them, or have backup copies, then you can remove them by placing them in the Trash or you may choose to use a third-party program to attempt to fix the files or recover the data. Packages with damaged items will have to be re-installed.



Spring Cleaning only indicates which files or packages are damaged; it does not fix these items for you. Deleting these damaged files can help reduce crashes and freezes.

You can perform the following actions with File Checker:

- [Exclude from Future Searches](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, you can perform the following actions with File Checker in **Advanced Mode**.

- [Assign Parent](#)
- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

FONT FINDER

Font Finder is an **Advanced Mode** only search that searches for fonts wherever they reside on your hard drive. A sample of each font can be displayed by single-clicking on the font and selecting “Get Info” from the File menu or clicking or hitting Command - I. You can choose to take an action on a font from within this “Get Info” window. Depending on what you use your computer for, you may have many duplicates of fonts. Deleting duplicate fonts saves disk space, lessens RAM requirements, and shortens the start-up time of your computer.

The fonts found are grouped into two categories:

1. “These fonts are in the active System folder.”
2. “These fonts are outside the active System folder.”

In the Search Results window, fonts are grouped into font families. These families are represented by a “suitcase” icon. This does not imply, however, that each font has a suitcase; some may not.

Active fonts are those currently in your System folder. These fonts take up memory. If there are fonts you do not use, you can move them to an archive or external drive. Fonts that are not in the System folder (inactive fonts) do not take up memory. Inactive fonts are generally not available to use in most applications. Exceptions include font management utilities.

NOTE: Under Mac OS X, fonts can only be manipulated by the superuser (root). The user must be logged in as root (in Mac OS X) to work with Font Finder. Additionally, Font Finder only understands “traditional” Mac OS fonts; it does not understand the “.dfont” and “.oft” files. See Apple Help for information on becoming the root user.

The following actions are available with Font Finder:

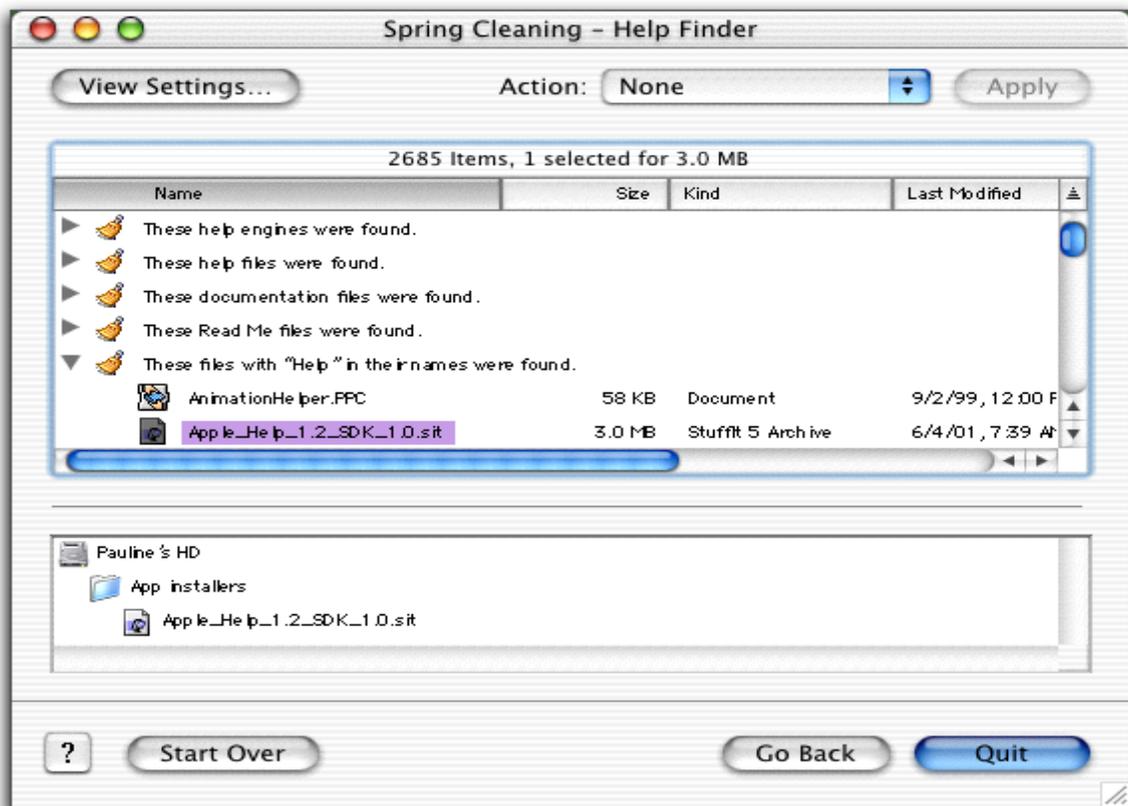
- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)

- [Exclude from Future Searches](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)
- [QuickCompare](#)

HELP FINDER

Help Finder looks for common help files, help engines, help packages, documentation, and “Read Me” files that applications install. Once you have used these files, you often do not need them again, and they take up hard drive space. You can move them to a removable disk and access them only when necessary, or Trash them.

A search engine, or help engine, is an application, control panel, or extension that is used to open various help files. A few examples are the Apple Guide extension, the Microsoft Help application, and QuickHelp.



The items found are grouped into categories:

1. “These help engines were found.”
2. “These help files were found.”

3. “These help packages were found.”
4. “These documentation files were found.”
5. “These Read Me files were found.”
6. “These files with “Help” in their names were found.”

You can do several things with the items found by this search. If you move items to a StuffIt archive, they won't take up as much hard drive space and you can access them later if you need to. You can move them to an external drive or removable media for access only when necessary. If you have read them and feel familiar enough with the program, you can move them to the Trash.

The following actions are available with Help Finder:

- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, the following actions can be performed with Help Finder in Advanced Mode:

- [Assign Parent](#)
- [Delete](#)
- [Duplicate to](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

INTERNET CACHE FINDER

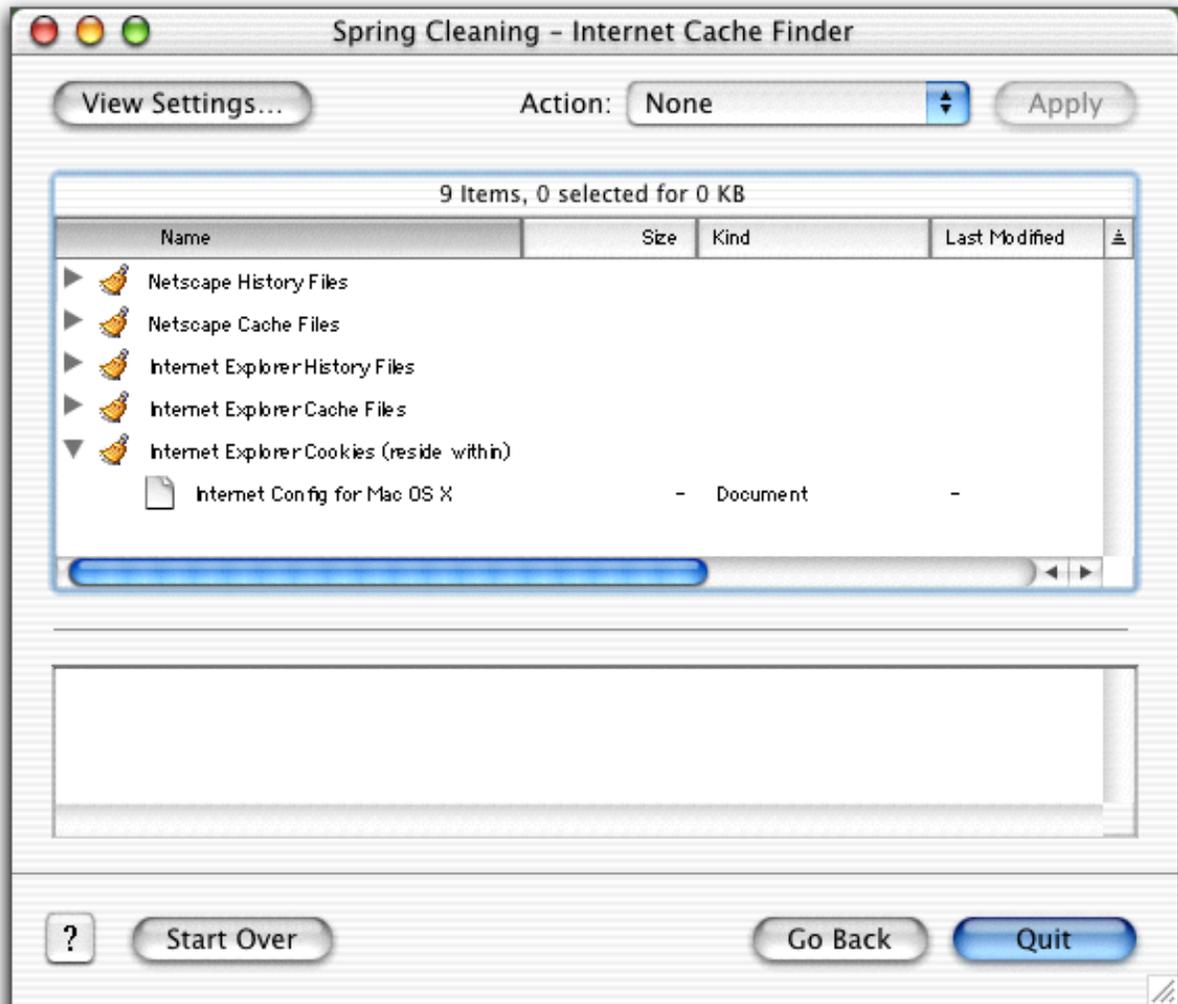


Internet Cache Finder looks for cookie files, history files and cache files created by Web browsers. This search can not be run if a web browser is also running. In this case, Spring Cleaning will ask you if it can close your browser.

The items found are grouped into any of nine categories:

1. Netscape Cookie Files
2. Netscape History Files
3. Netscape Cache Files
4. Internet Explorer/America Online History Files
5. Internet Explorer/America Online Cache Files
6. Internet Explorer/America Online Cookie (reside within)

7. iCab Cookie Files
8. iCab History Files
9. iCab Cache Files



NOTE: Under Mac OS X, Internet Cache Finder is limited to removing Explorer cookies from the active Internet Config for Mac OS X file. No path information is displayed when the Internet Config file is selected.

NOTE: America Online uses Internet Explorer as their Internet Browser

The following actions can be performed with Internet Cache Finder:

- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, the following searches are available with Internet Cache Finder in **Advanced Mode**:

- [Assign Parent](#)
- [Delete](#)
- [Duplicate to](#)
- [Edit Cookie](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

MACUNINSTALLER

MacUninstaller allows the complete removal of software you no longer need or want. Many applications install files all over your hard drive. You may not need all the files that were installed, or you may want to remove the application and its associated files from your machine.

MacUninstaller is designed to seek out all the files associated with an application, including the ones you may not be able to recognize or even be aware of, such as invisible files.

You can uninstall any application, package, control panel, or extension. By default, only applications appear in the selection list. However, if there is a control panel or extension that is associated with an application, it will be listed in the search results window.

Once you select the storage device, volume or folder(s) and click the **Continue** button, you can choose to browse for a specific application to uninstall or have Spring Cleaning search for all the applications on the device.

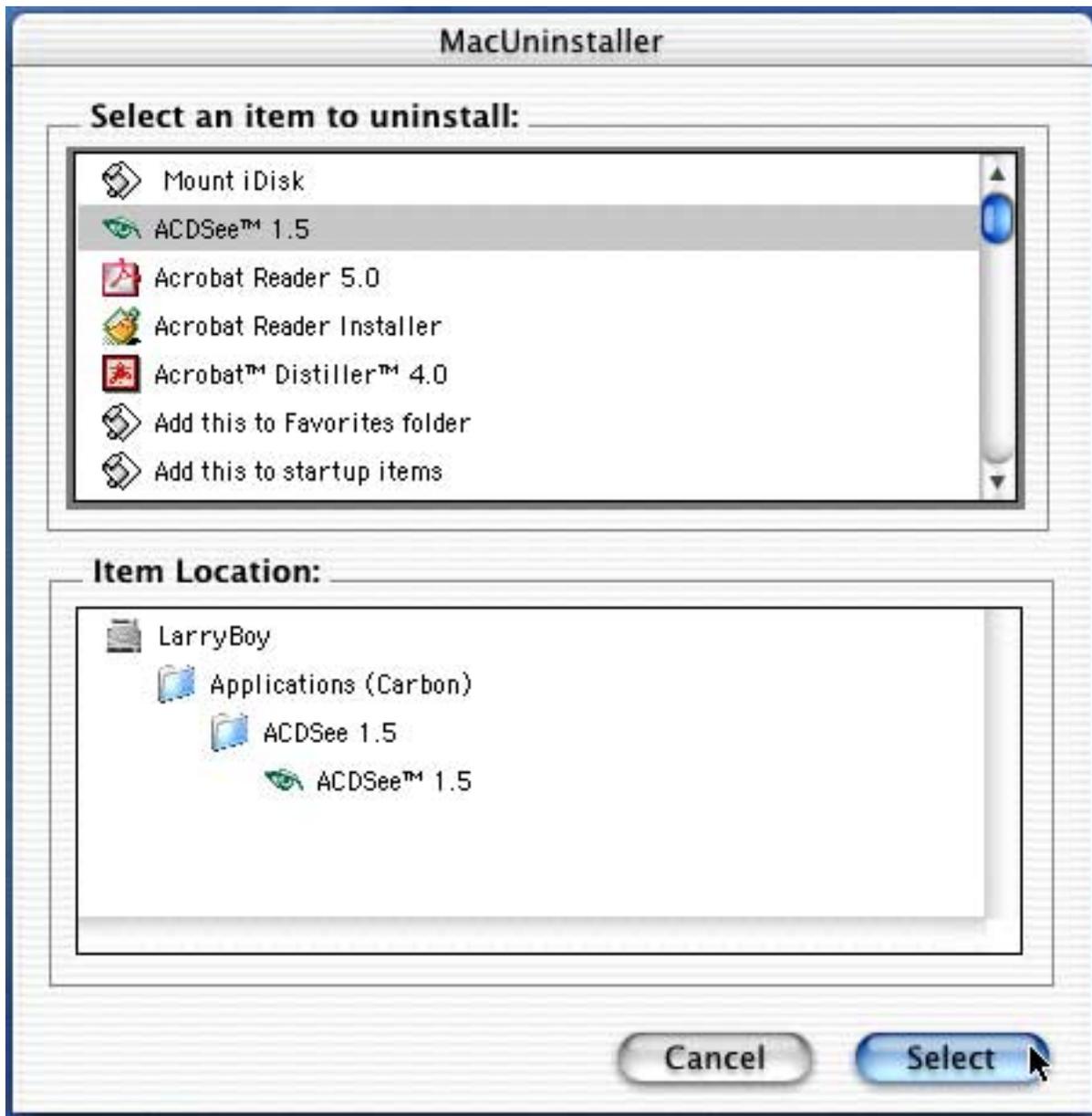
Click **Browse** to navigate to the location of the application you wish to uninstall.

Clicking **Search** finds all applications on the selected device. In the dialog box that appears:

1. Scroll down and select the application to uninstall.
2. Click **Select**.

Spring Cleaning finds all files associated with the application you selected. The items found are grouped into a number of categories:

- “This is the application you selected to uninstall”
- “These applications may be additional copies or other versions of the item you are uninstalling”
- “These files are associated with the specified application (according to the application)”
- “These are files that may be related to other versions of the specified application”
- “These files are located in the same folder as the application you are uninstalling”
- “These are documents associated with the item you are uninstalling”



The categories can help you determine which files to remove. For instance, there may be files in the same folder as the application that are not associated with that application. If you have different applications in a folder the other applications will be displayed, yet you may not want to delete them. Other files are also displayed; if you only want to remove help files, filters, or superfluous files for example, you can specify which ones to remove.

If you want to keep the documents that you created with this application, you can exclude them from future searches, or you can assign a new parent application to open the files. You can only perform one action at a time on a set of files.

NOTE: When run in Mac OS X, MacUninstaller does not detect all files belonging to an application on a “Classic Mode” drive. To uninstall applications and files for Mac OS 9 and earlier, run Spring Cleaning in “Classic Mode” or reboot into the earlier system.

The following actions are available with MacUninstaller:

- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

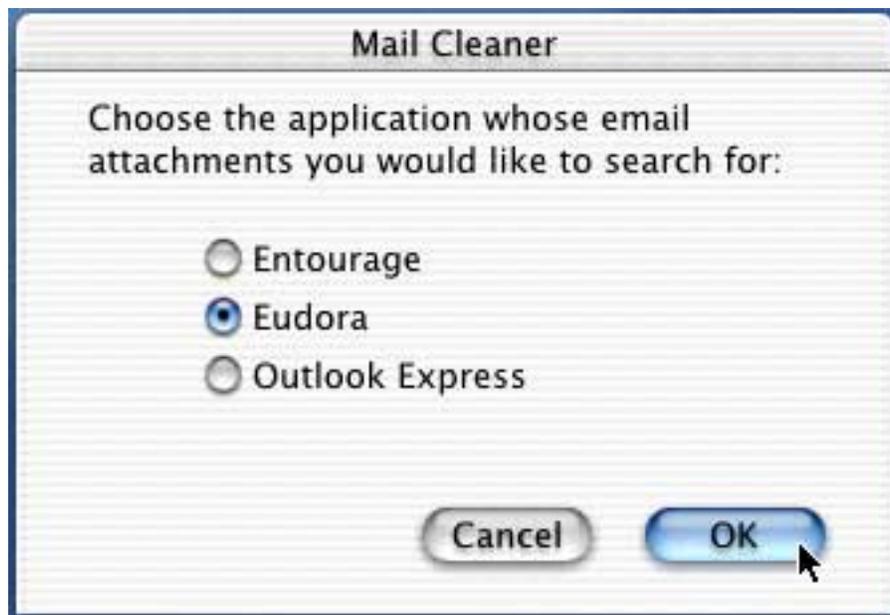
In addition to the above, the following actions are available with MacUninstaller in Advanced Mode:

- [Delete](#)
- [Duplicate to](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

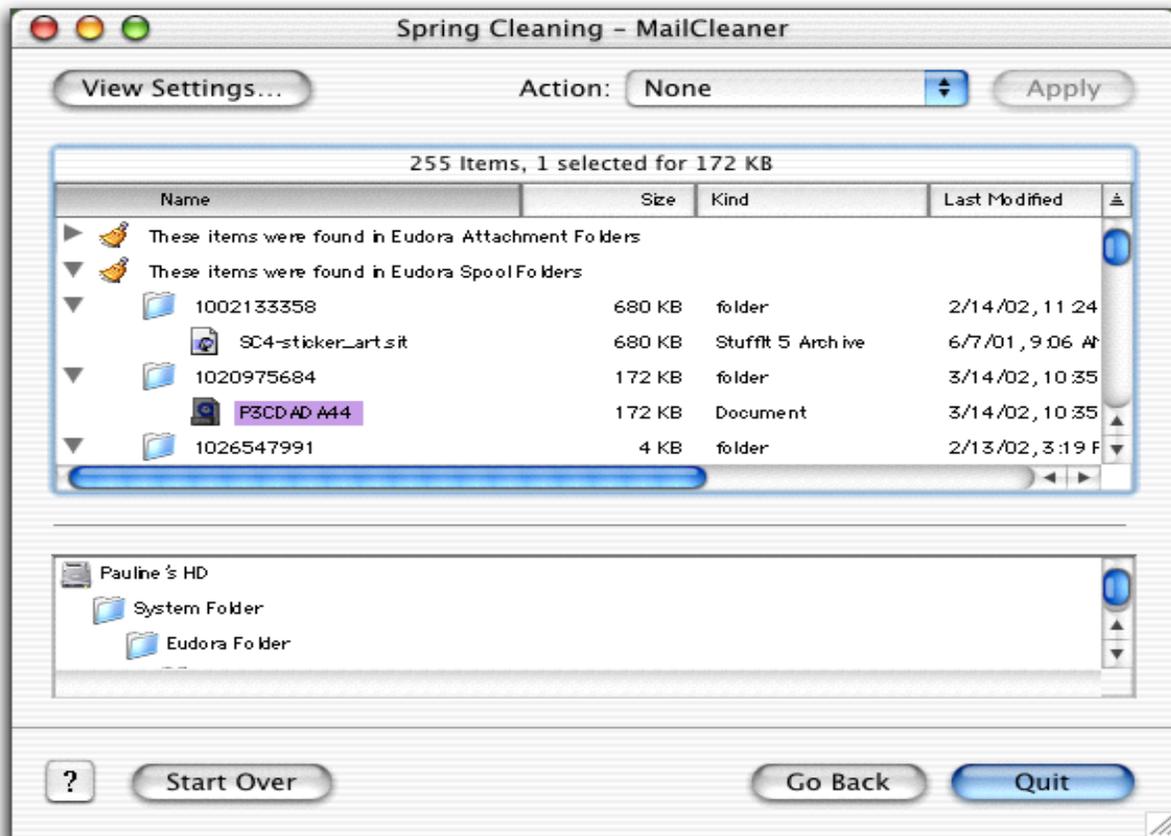
MAILCLEANER



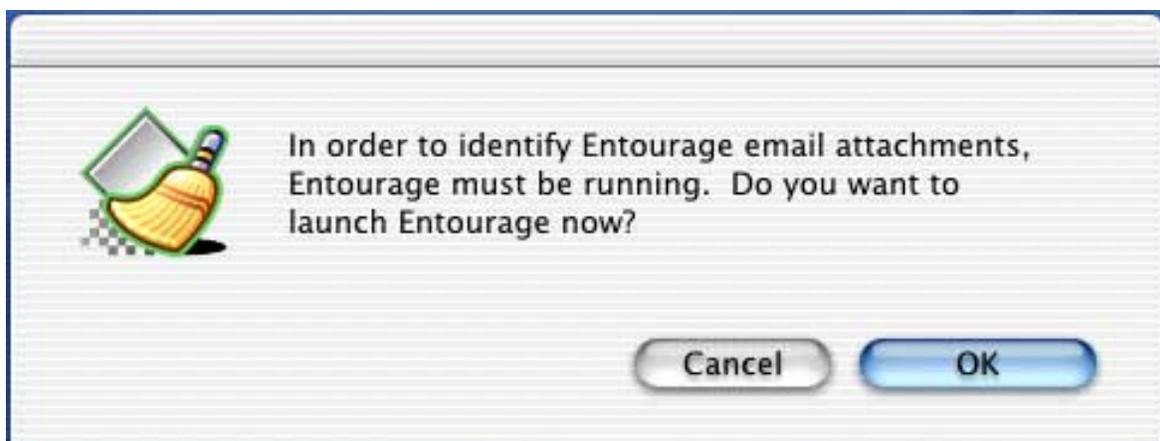
Email attachments are the biggest source of extra wasted space for many people. Often, email attachments are duplicated by being stored in an email database and separately on your hard drive. MailCleaner searches for attachments in Eudora, Microsoft Entourage, and Microsoft Outlook Express.



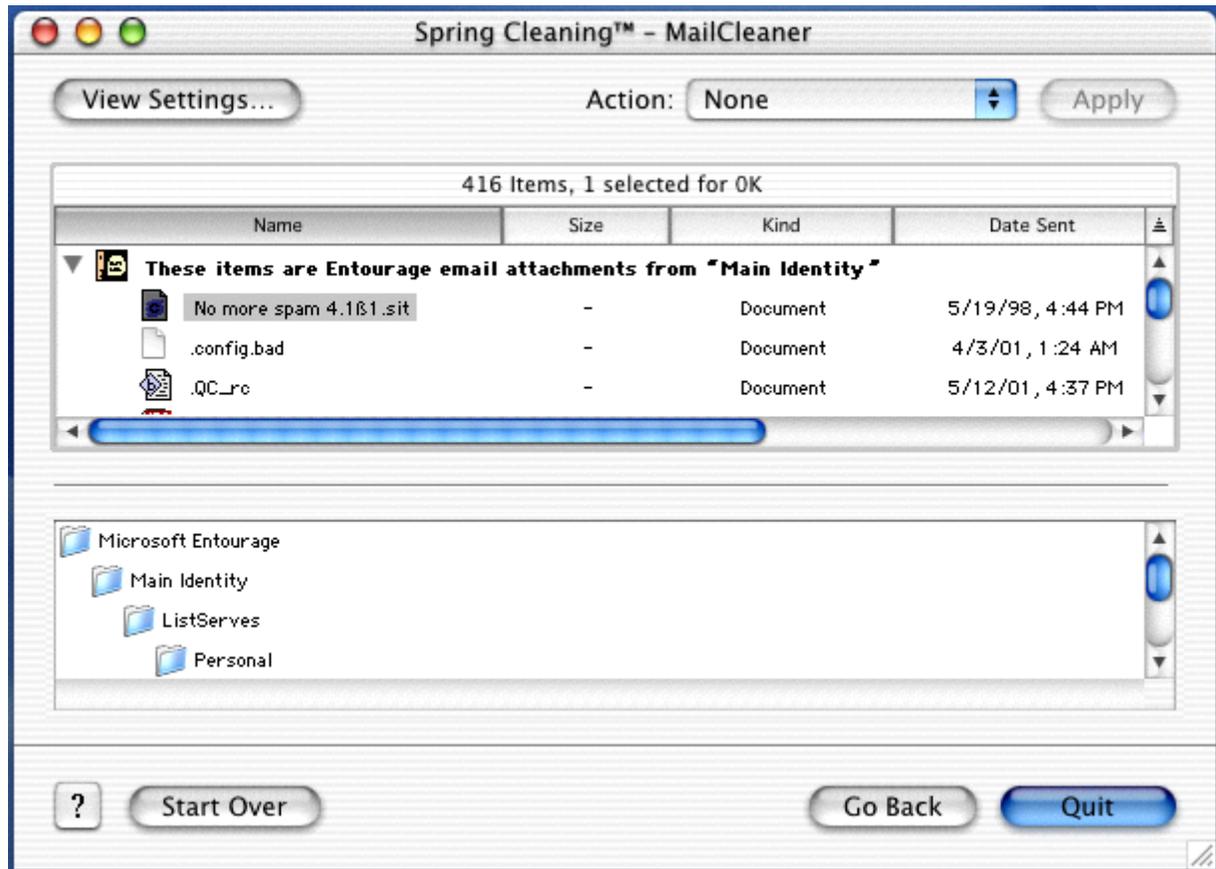
Click on the appropriate button for your email program from the dialog then click **OK**. Once the search completes, click on an email attachment to find the “path” to the attachment. You can then choose whether you want to delete, duplicate, move, or archive the attachment by selecting the appropriate option from the Action popup menu.



Microsoft Outlook Express and Microsoft Entourage store all email and attachments in a single database file. The file can only be accessed if Outlook Express or Entourage is running. Spring Cleaning asks you to launch the program if it is not currently running.



Again, once the search completes, you can click on an attachment to find out where it resides or to perform an action on it.



You can perform the following actions with MailCleaner:

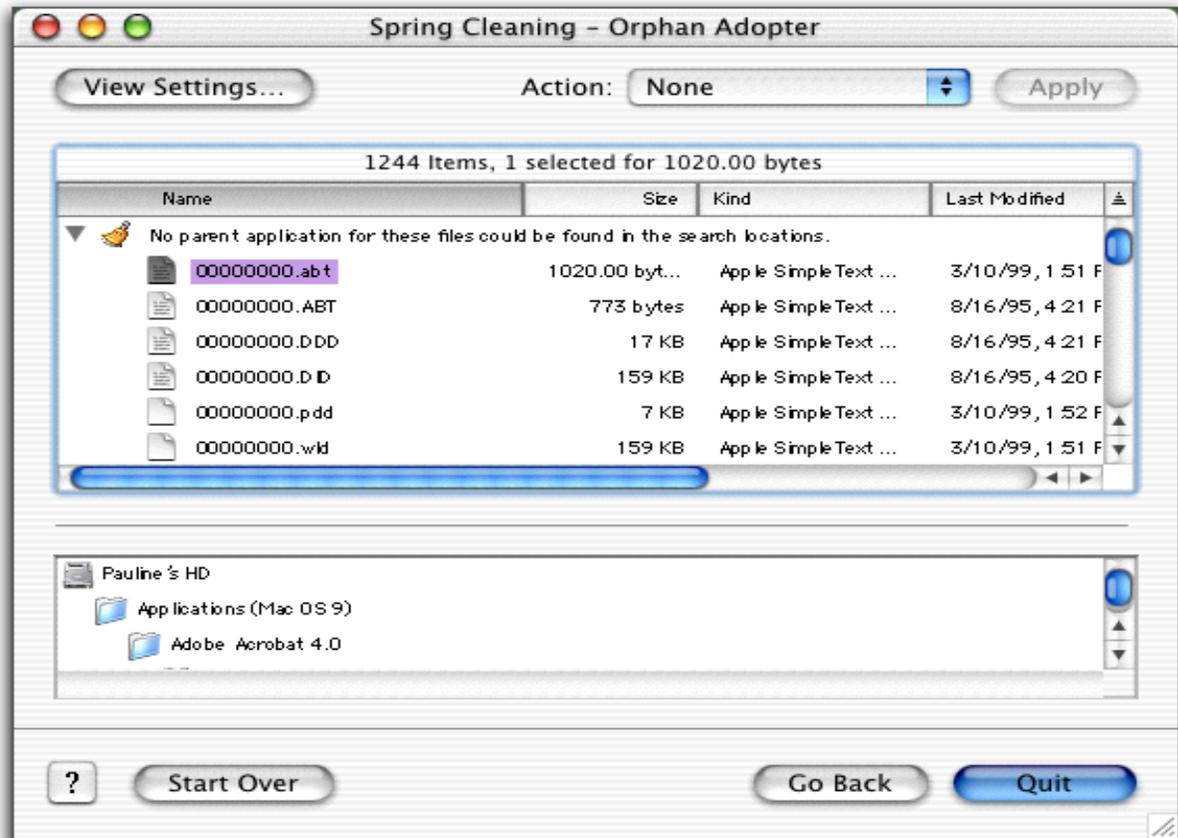
- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, you can perform the following actions using MailCleaner in **Advanced Mode**:

- [Delete](#)
- [Duplicate to](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

ORPHAN ADOPTER

Orphaned files are those that were created with an application that is not on the volumes that were searched. If you no longer need these files, you can remove them with Orphan Adopter and its related actions, or you can assign a new parent application to the files in order to open them.



In the search results window, first determine which files you no longer need or want and move them to the Trash.

Next, look at the type of files that are left. Many word processing programs can open files created by other word processing programs. You can assign text files to the word processing program you have installed. Many graphics programs can open generic graphic files, such as JPEG, TIFF, or GIF files. You can assign graphic files to a graphics program you have installed. Use the [Assign Parent](#) action to assign these files to a new program so you can access them later.

The following actions are available with Orphan Adopter:

- [Assign Parent](#)
- [Exclude from Future Searches](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, the following actions are available with Orphan Adopter in **Advanced Mode**:

- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [QuickComparee](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

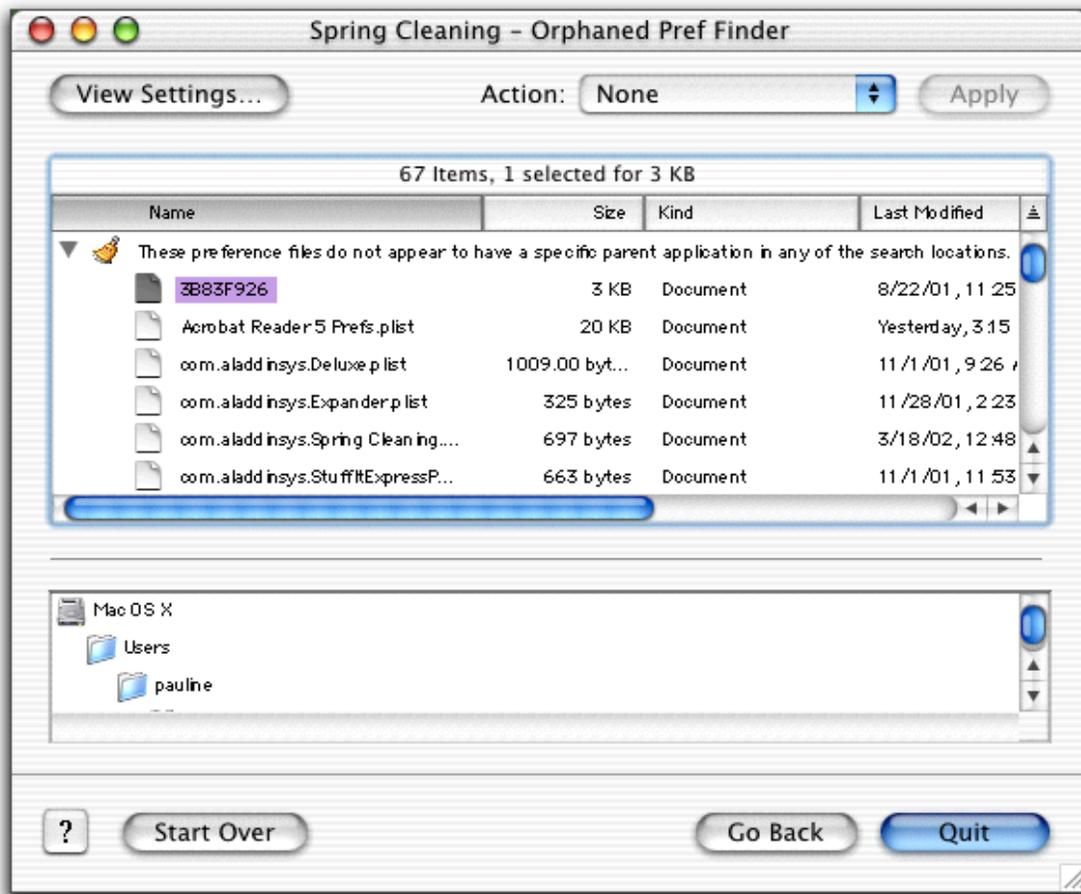
ORPHANED PREF FINDER

Many users often forget that most applications create a preference file in the Preferences folder of the Library or System Folder depending on the OS you are running. It is easy to accumulate unused preference files, which can add up to a great deal of wasted disk space.

Spring Cleaning helps recover this wasted disk space by finding preference files that don't belong to any application in the specified search location.

However, because of the way preference files are identified by software developers, it is not uncommon for preference files to not match up with an application, even if the application is present on your hard drive. If you see a preference file for an application that you know you have, simply exclude it from future searches.

Preferences for applications can usually be removed without affecting the function of an application. However, the preference settings will revert to the default and you will need to reset any customized settings you may have changed.



The following actions are available with Orphan Adopter:

- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, the following actions are available with Orphan Adopter in **Advanced Mode**:

- [Assign Parent](#)
- [Delete](#)
- [Duplicate to](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [Move to](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

STORAGE ITEMS FINDER



In the Search Results window of any search, you can assign the [Move to Storage Folder](#) action to an item. This is useful for items that you are not quite ready to throw away and want to save for further action later.

Storage Items Finder finds the items you have previously moved to Storage Folders and displays them all in the Search Results window. The items are grouped into categories based on the date each folder was created and the disk the item is on.

When you choose the [Move to Storage Folder](#) action in another search, Spring Cleaning moves the selected items to a folder titled with the current date and the name of the search (e.g. October 25 - Orphaned Prefs Finder). This folder is created in the “Spring Cleaning Storage” folder.

Inside the folder, there is also a document titled `What are these folders?` This document explains what the folder is, how the files inside were moved there, and how to use the files.

The following actions are available with Storage Items Finder:

- [Duplicate to StuffIt Archive](#)
- [Exclude from Future Searches](#)
- [Move to](#)
- [Move to Storage Folder](#)
- [Move to StuffIt Archive](#)
- [Move to Trash](#)

In addition to the above, the following actions are available with Storage Items Finder in **Advanced Mode**:

- [Assign Parent](#)
- [Delete](#)
- [Duplicate to](#)
- [Duplicate to StuffIt Archive](#)
- [Launch with](#)
- [Move and Leave Alias](#)
- [QuickCompare](#)
- [Replace with Alias to](#)
- [Run AppleScript](#)

RESTORE

The Restore feature allows you to undo some of the actions you have taken with Spring Cleaning. The Restore feature is accessed via the File menu or by clicking the **Restore** item in **Standard Mode**.

Items may be restored after taking the following actions:

- [Duplicate to...](#)
- [Duplicate to StuffIt Archive...](#)
- [Move and Leave Alias...](#)
- [Move to Storage Folder...](#)
- [Move to Trash...](#)
- [Move to...](#)
- [Move to StuffIt Archive...](#)

The **Delete** command cannot be restored.

One log file is generated for each day that you use Spring Cleaning. This file is stored in the Spring Cleaning folder. If you use Spring Cleaning in the morning, then quit, come back, and use it again at the end of the day, the actions you take during each session will be included in a single log for that day.

To open a log file in **Standard Mode**:

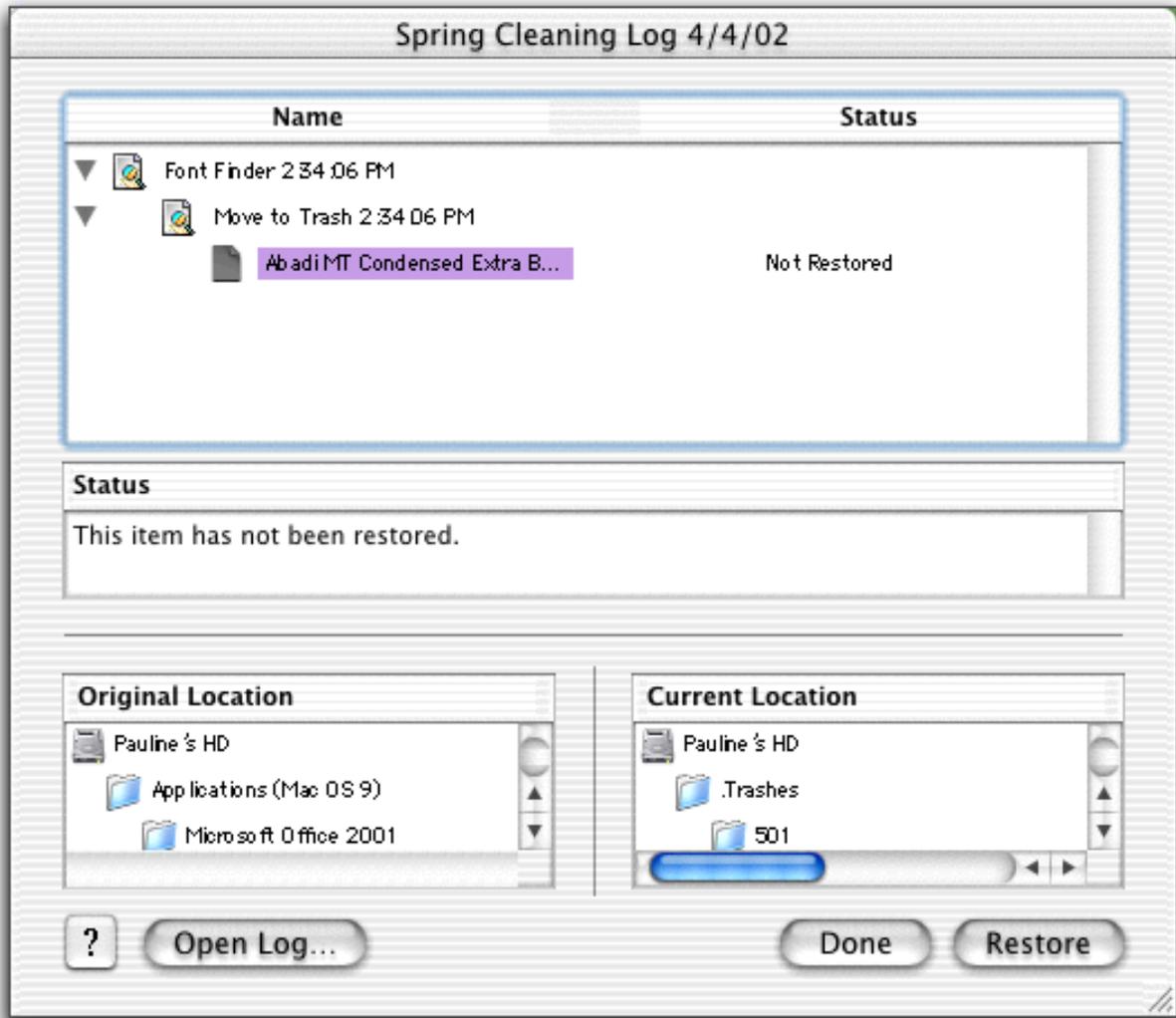
1. Click **Restore** in the list on the left.
2. Click the **Restore** button in the pane on the right. A dialog box appears.
3. Select a log file and click **Open**. The Restore window appears.

To open a log file in **Advanced Mode**:

1. Choose **File > Restore**. A dialog box appears.
2. Select a log file and click **Open**. The Restore window appears.

THE RESTORE WINDOW

The Restore window shows the searches, actions, and items you have worked with on a particular day. The date is identified in the name of the log.



The Restore window displays a hierarchy of the searches that were run, the actions that were taken, and the items that were affected. The status of an item is displayed in the middle section, when it is selected. For instance, if an item has not been restored, it will state “This item has not been restored.”

When an item is selected, Spring Cleaning attempts to find two things:

1. The original location of the item.
2. The location of the item after the action was applied.

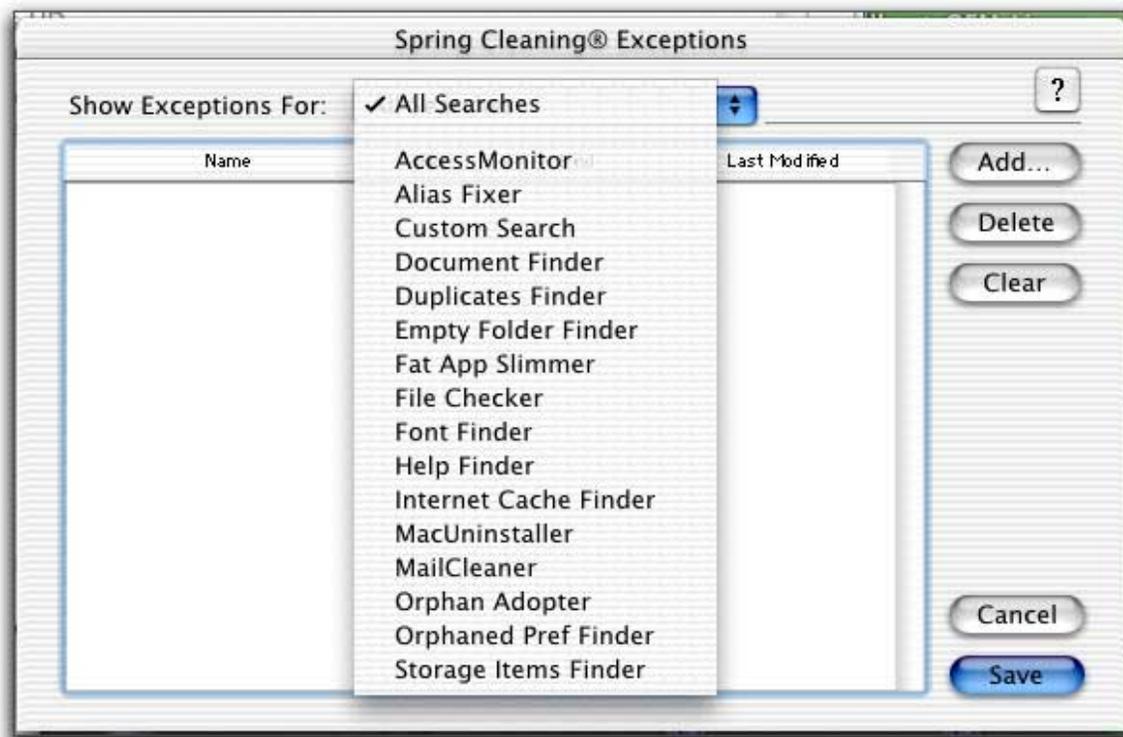
Both locations are displayed in the bottom area of the Restore window. If either the location or the item itself cannot be found, that is noted in the status section.

Multiple items can be restored at one time. Once the Restore process is complete, a dialog box displays any errors. More information about the errors are displayed in the status area.

EXCEPTIONS

One of the actions available to you in the Search Results window is [Exclude from Future Searches](#). This action prevents an item from appearing in any future searches. You choose whether an item is to be excluded from future searches of a particular type or from all searches.

You can also add and remove items from the Exceptions list when not in the Search Results window. To view the Exceptions window choose **Spring Cleaning > Exceptions** in Mac OS X or **Edit > Exceptions** for classic. Use the **Add** and **Delete** buttons to make changes to your exceptions. Clicking **Clear** removes all exceptions from the current screen. You can change screens by using the **Show Exceptions For** pop-up menu. The name of each search appears in the pop-up menu, as well as **All Searches**.



ADDING AN ITEM TO THE EXCEPTIONS

1. Select a search from the **Show Exceptions For** pop-up menu. Any items that are currently excluded from that search will be displayed. To exclude an item from all searches select **All Searches** in the pop-up menu.
2. Click **Add**. A dialog box appears.
3. Navigate to and select an item.
4. Click **Choose**.
5. Or you may drag items to an open Exceptions window.

DELETING AN ITEM FROM THE EXCEPTIONS

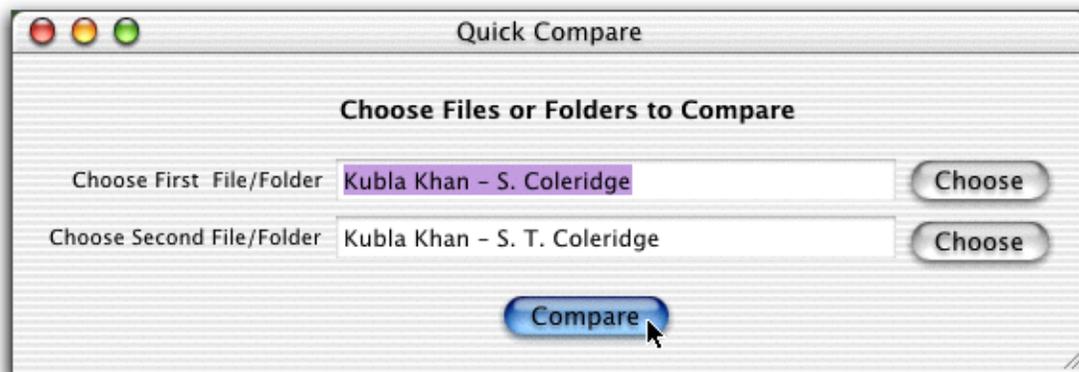
1. Select a search from the **Show Exceptions For** pop-up menu. Any items that are currently excluded from that search are displayed.
2. Select the item to be removed.
3. Click **Delete**.
4. Or you may drag items out of an open Exceptions window and into the trash.

QUICKCOMPARE OVERVIEW

QuickCompare is a separate Mac OS X only program that allows you to quickly and easily compare two files, folders or application packages for changes. You can access the application on it's own or through the Spring Cleaning action menu item called **QuickCompare**. The action item is particularly useful with the **Duplicates Finder** search. QuickCompare graphically shows you changes that have been made to each file or folder or just where the two files, folders or packages are different.

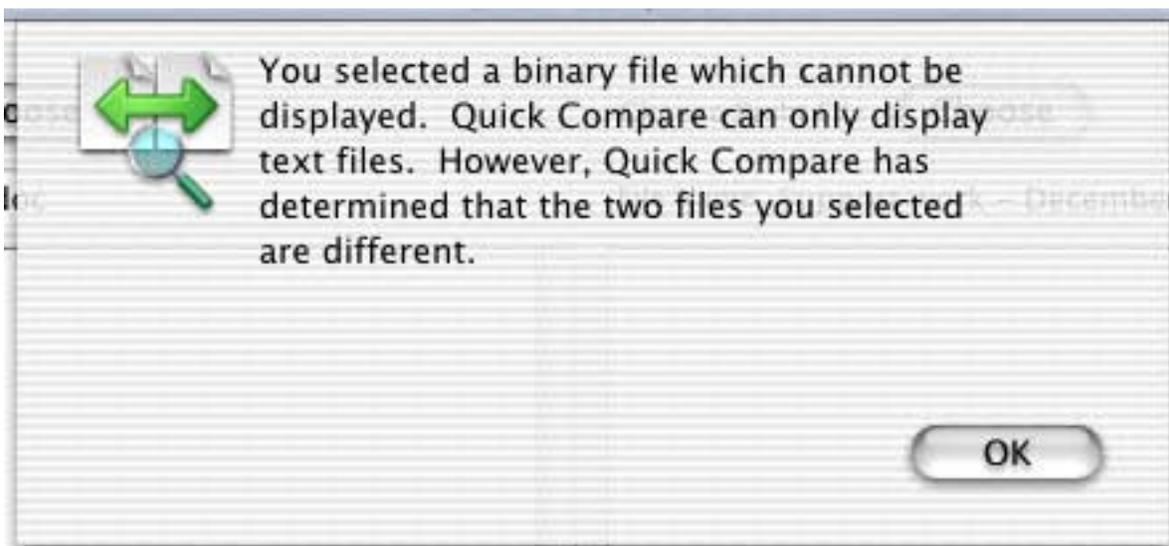
USING QUICKCOMPARE

 To use the QuickCompare application by itself, double-click on the program in the Spring Cleaning folder. A window will appear where you can choose the items that you want to compare. Once you have chosen your items and clicked the Compare button, QuickCompare's main window will appear. If you are comparing two text files then the window that appears will have two parts: a left side and a right side.

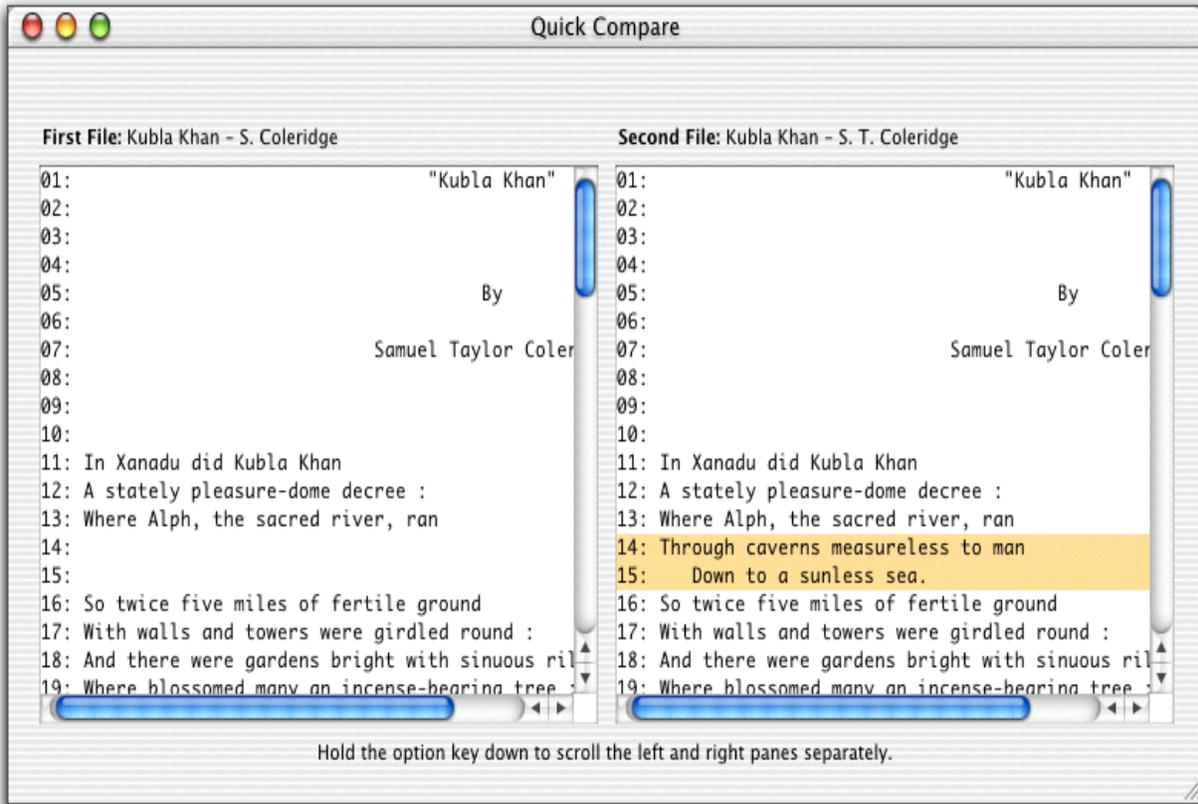




QuickCompare can only display the contents of text files. If you choose a binary file such as an application, spreadsheet file, word processor document, and so forth, QuickCompare informs you that it cannot display the differences in the files as shown in the dialog below.



QuickCompare uses color highlighting to determine where two files differ. The colors show extra lines in either the right or left file or a line that is changed between the files. While QuickCompare is most useful comparing different versions of the same file (two source code files for example), you can also compare two completely different files.



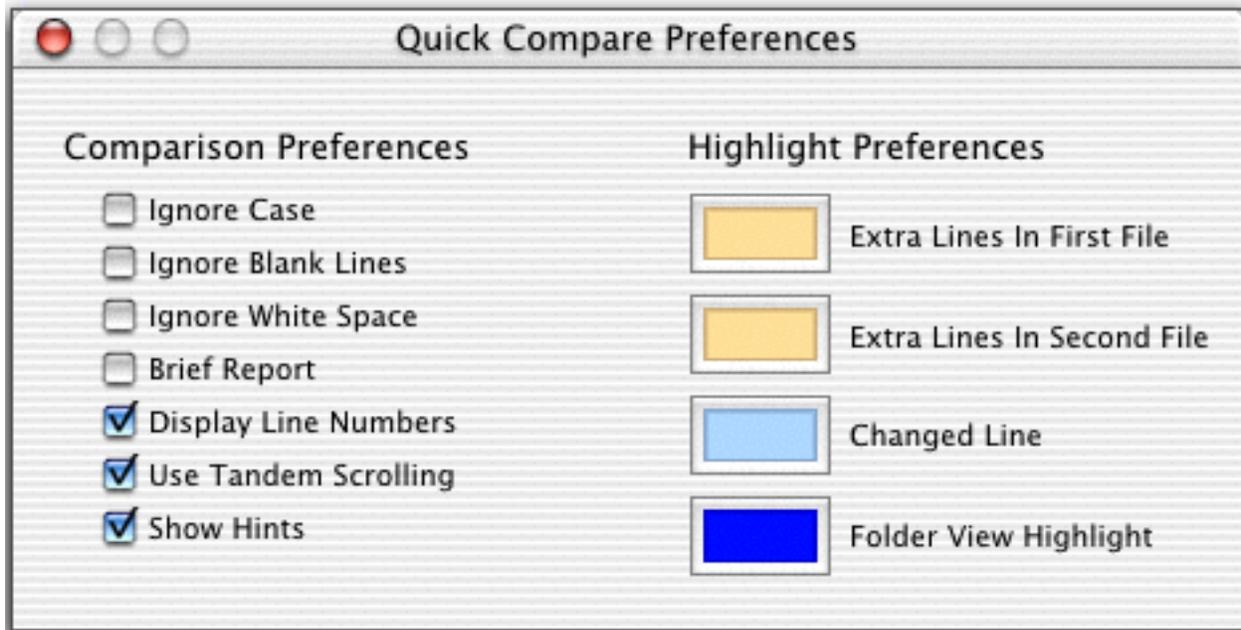
QuickCompare will also compare any two folders or packages and their contents. After you choose your two folders or packages for comparison a window with three panes appears. The first pane on the left shows the items in the first folder that only exist in the first folder. the middle pane shows the items in the second folder that only exist in the second folder. The third pane on the right shows those items that reside in both folders.

Items in the third pane can be further compared. Double click on the color highlighted items to display their differences. Those items that have a disclosure triangle next to them indicate that they are folders.

QuickCompare will only show the differences in the first layer of the folder for that compare action. By clicking on the highlighted items in the third pane you can compare the next layer of folders. Clicking on all of the disclosure triangles in the first two panes will show the complete folder contents where nested items may be different.

QUICKCOMPARE PREFERENCES

To access QuickCompare's preferences, choose **QuickCompare > Preferences**.



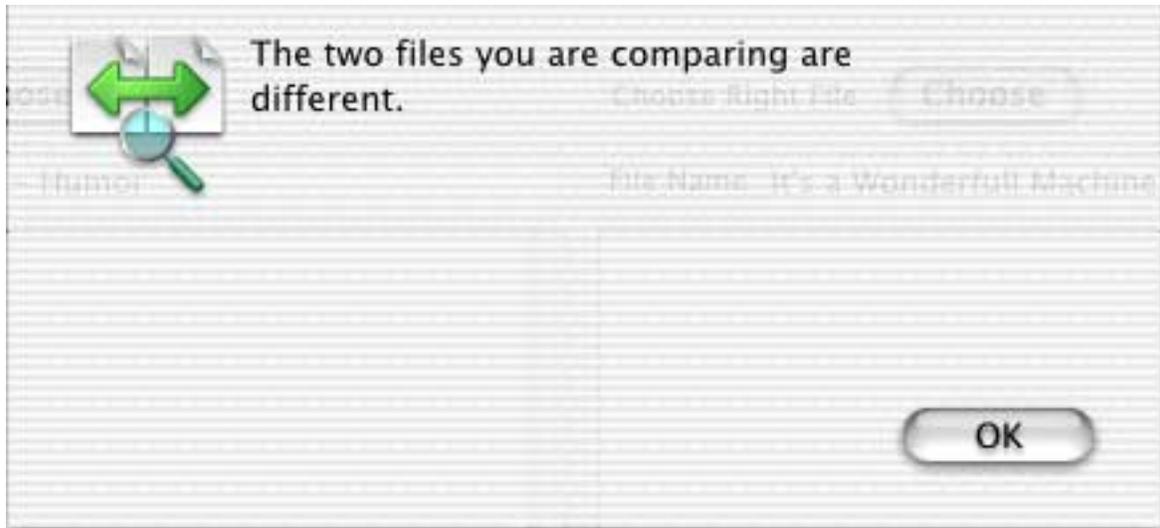
The color preferences are self-explanatory. QuickCompare uses the color preferences to highlight changes in either file. To choose a new color, click in the colored area and pick the color you want to use.

Ignore Case. Checking this box tells QuickCompare not to consider capitalization as a change between the documents.

Ignore Blank Lines. Enable this preference to make QuickCompare ignore blank lines in either document.

Ignore White Space. When checked, this preference makes QuickCompare ignore all “white space.” White space are extra tabs and spaces in the document.

Brief Report. Enable Brief Report if you only want QuickCompare to inform you if the two files are different as opposed to the specifics of all the differences between the two files. When enabled, QuickCompare displays a dialog accordingly as shown below.



Display Line Numbers. Enable this preference to make QuickCompare display line numbers for each text file. This option is very useful when comparing source files (.c or .h for example).

Use Tandem Scrolling. Check Use Tandem Scrolling if you want the scroll bars in the double paned window to scroll together.

ACTIONS OVERVIEW

Once Spring Cleaning has completed a search, the items that match the criteria you selected are displayed in the Search Results window. You can now perform actions on the items in this window. Spring Cleaning offers many options for what to do with the items you have found, depending on your needs.

When you perform an action on an item, its appearance in the list changes to italics.

To perform an action:

1. Select the items on which you want to perform the same action.

NOTE: To select more than one item in a row, hold down the Shift key while clicking once on each item. To select multiple items that are not adjacent, hold down the Command key while clicking once on each item.

2. Choose the action you want to perform from the Action pop-up menu.
3. Click **Apply**. A dialog box appears. [Delete](#), [Move to Trash](#), [Move to Storage Folder](#), and [Trim Fat](#) do not display a dialog. These actions happen immediately.
4. Select the appropriate location or file.

Each section below explains what you must select in the dialog box.

NOTE: If you move an item, but later decide you want to move it back, use the Spring Cleaning's **Restore** feature. Items moved by using the following actions can be restored: Duplicate to, Duplicate to StuffIt Archive, Move and Leave Alias, Move to, Move to Storage Folder, Move to StuffIt Archive, Move to Trash. For more details, see [“Restore” on page 30](#).

ASSIGN PARENT

This action assigns a new parent application to the selected files. This will be the application that is launched when you double-click each file.

After you click the **Apply** button, before the dialog appears, Spring Cleaning will build a list of recommended applications that should be able to open the selected files.

When the dialog box appears:

1. Select a parent application to assign to the selected files. Click **Choose**.

NOTE: You cannot use this action on fonts or folders.

DELETE

This action will permanently delete any of the files found in a search. If you do not expect to use a file then deleting it can save hard disk space and reduce clutter. Once an item has been deleted, it *cannot* be recovered. If you are unsure whether to delete an item, use the [Move to Trash](#), [Move to Storage Folder](#) or [Move to StuffIt Archive](#) action instead.

The **Delete** action is not enabled by default. To enable it:

1. Choose **Edit > Preferences** or **Spring Cleaning > Preferences** in Mac OS X.
2. Select **Spring Cleaning**.
3. Click **Show Delete Action** on the right to enable the **Delete** action.

NOTE: Since there is no “undo” for a **Delete** action, give careful consideration before changing this setting.

Delete is only available in **Advanced Mode**.

DUPLICATE TO

Duplicate to is an **Advanced Mode** only action that duplicates items to a new location while leaving the originals untouched. This can be especially useful for backing up project files to another server or removable media.

In the dialog box:

1. Navigate to and select the location for the duplicated items.
2. Click **Open**.

DUPLICATE TO STUFFIT ARCHIVE

This action compresses the selected items into a new StuffIt Archive while leaving the originals untouched. It is useful for duplicating and compressing a file or collection of related files to another location, server or removable media. Batching the files into compressed archives reduces search time, file size and speed of file transmission over networks.

NOTE: This action is similar to [Move to StuffIt Archive](#), with one exception. When you duplicate an item to an archive, the original file is left in its original location and a duplicate is placed in an archive. You will have two copies of that file. When you move an item, the original does not remain. You only have one copy of the file, which is inside the archive.

In the dialog box:

1. Select the location and name of the archive.
2. If you want the archive to be self-extracting, choose **Self Extracting Archive (SEA)** from the pull down menu. Use this option to easily send an archive to users who do not have Spring Cleaning or StuffIt Expander. An installer for StuffIt Expander is located on your Spring Cleaning CD-ROM, in the `Other Aladdin Products` folder.

3. Click **Save**.

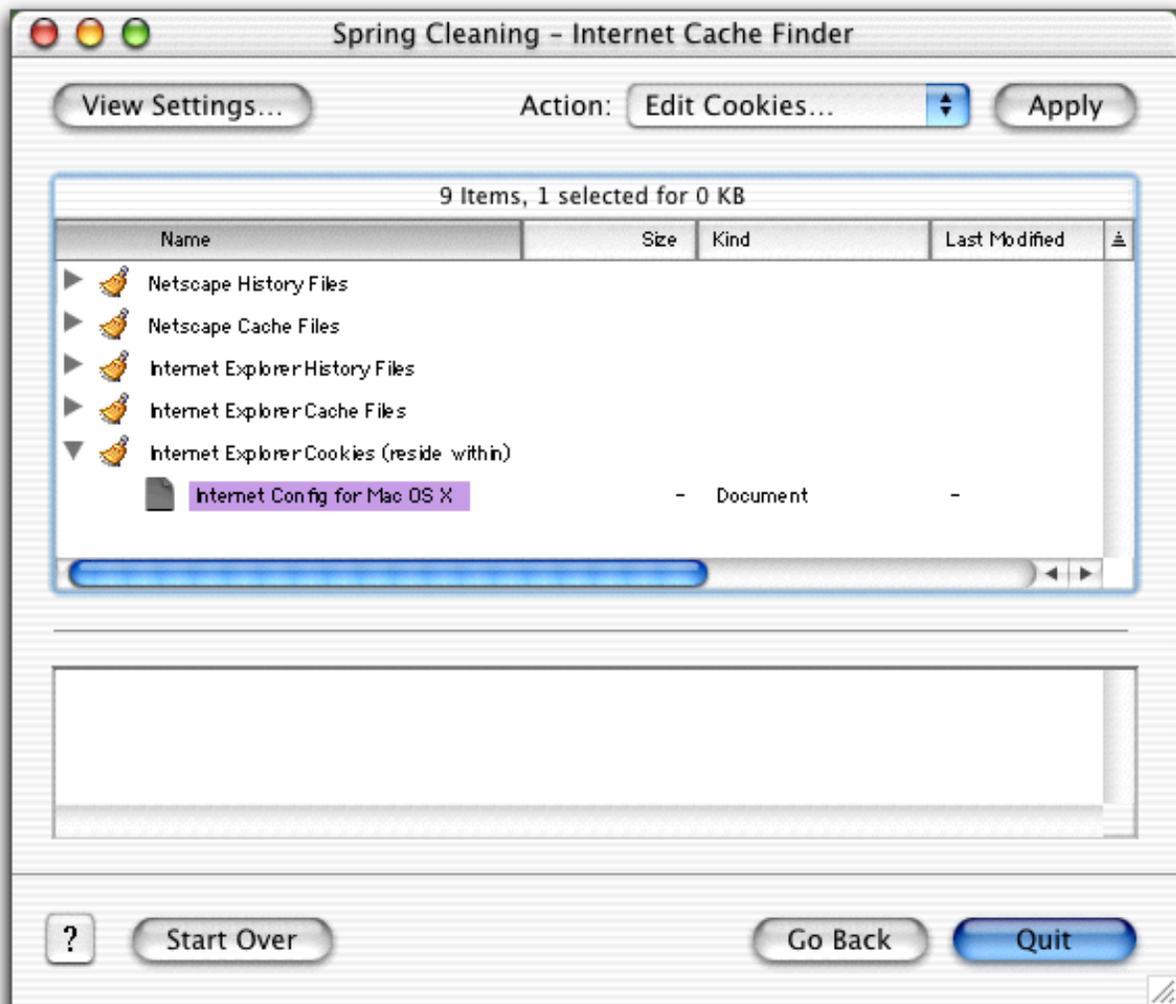
NOTE: You cannot add items to an existing archive.

EDIT COOKIE

Edit Cookie is only available in **Advanced Mode** even if you use the [Internet Cache Finder](#) search. Edit Cookie is more than an action, it's an entire Internet Cookie management system. Use Edit Cookie to delete cookies, view cookie details, and hide or exclude cookies so that you do not accidentally delete the ones you want to keep. You can even automatically delete cookies based on where they came from or if they arrived after a specified date.

The Details window shows all the cookie files from the selected hard drives. When you use this feature, your Internet Preferences file is modified, but not deleted.

Microsoft Explorer cookies are stored in a file called Internet Preferences or Internet Config for Mac OS X.

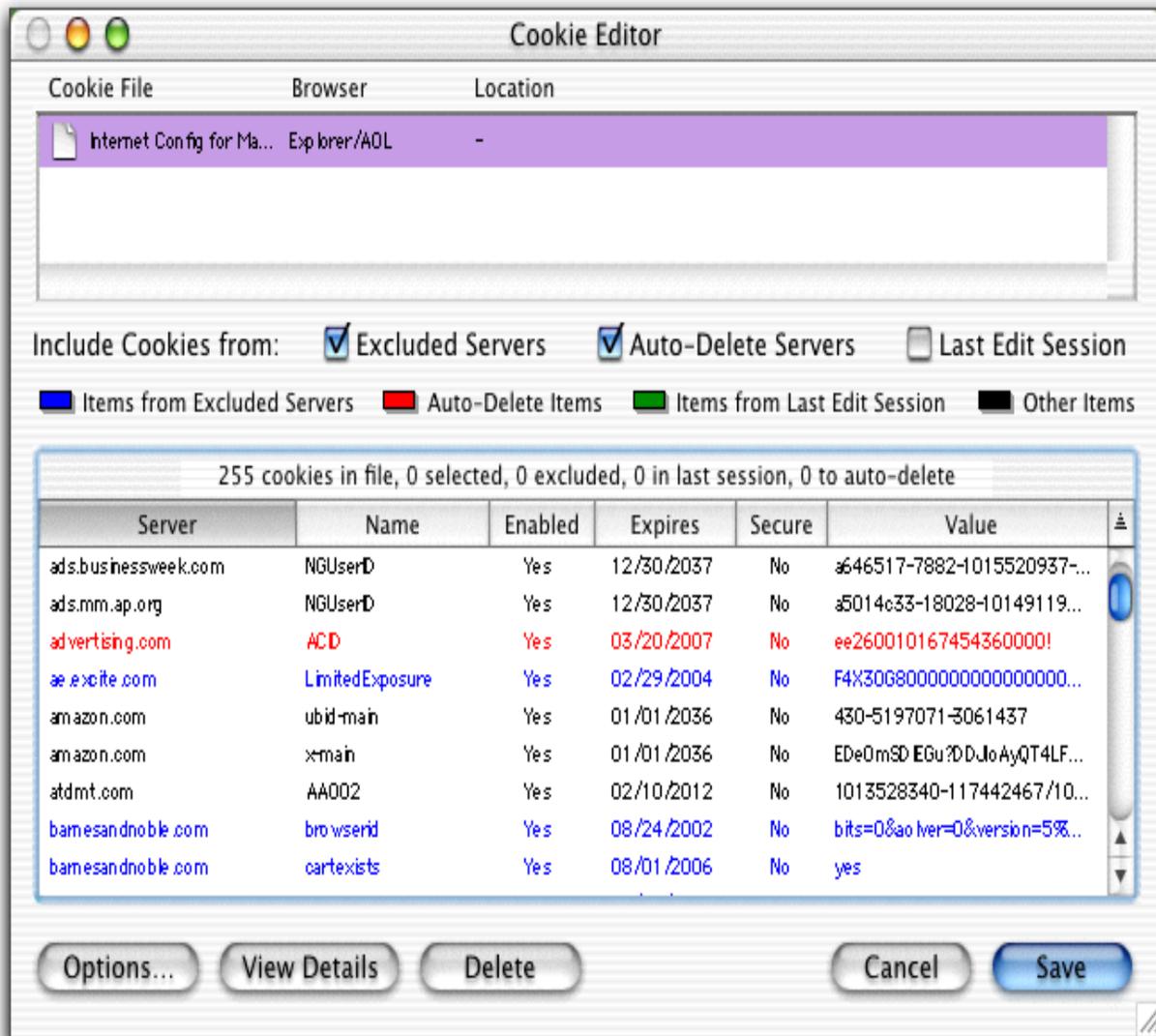


NOTE: Under Mac OS X, Internet Cache Finder is limited to removing Explorer cookies

from the active Internet Config for Mac OS X file. No path information is displayed when the Internet Config file is selected.

NOTE: America Online uses Internet Explorer as their Internet Browser

Click on a file you want to edit and choose **Edit Cookies** from the **Action** popup menu and click **Apply**. The Cookie Editor window is where you manage all your cookies. Any changes you make using the Cookie Editor are not saved until you click **Save**. Even if you delete a cookie, you can still recover by clicking **Cancel** at the bottom of the window.



To delete a cookie you no longer want, click on the cookie and click **Delete**. Delete more than one cookie at a time by holding down the *SHIFT* or *COMMAND* keys while selecting cookies and then click **Delete**.

To view the cookie data in more detail, click on a cookie in the list and click **View Details**. The details dialog does not let you change any cookie data, but it does show important information

about a cookie including name, expiration date, value or data itself, whether it is secure and whether or not the cookie is enabled.



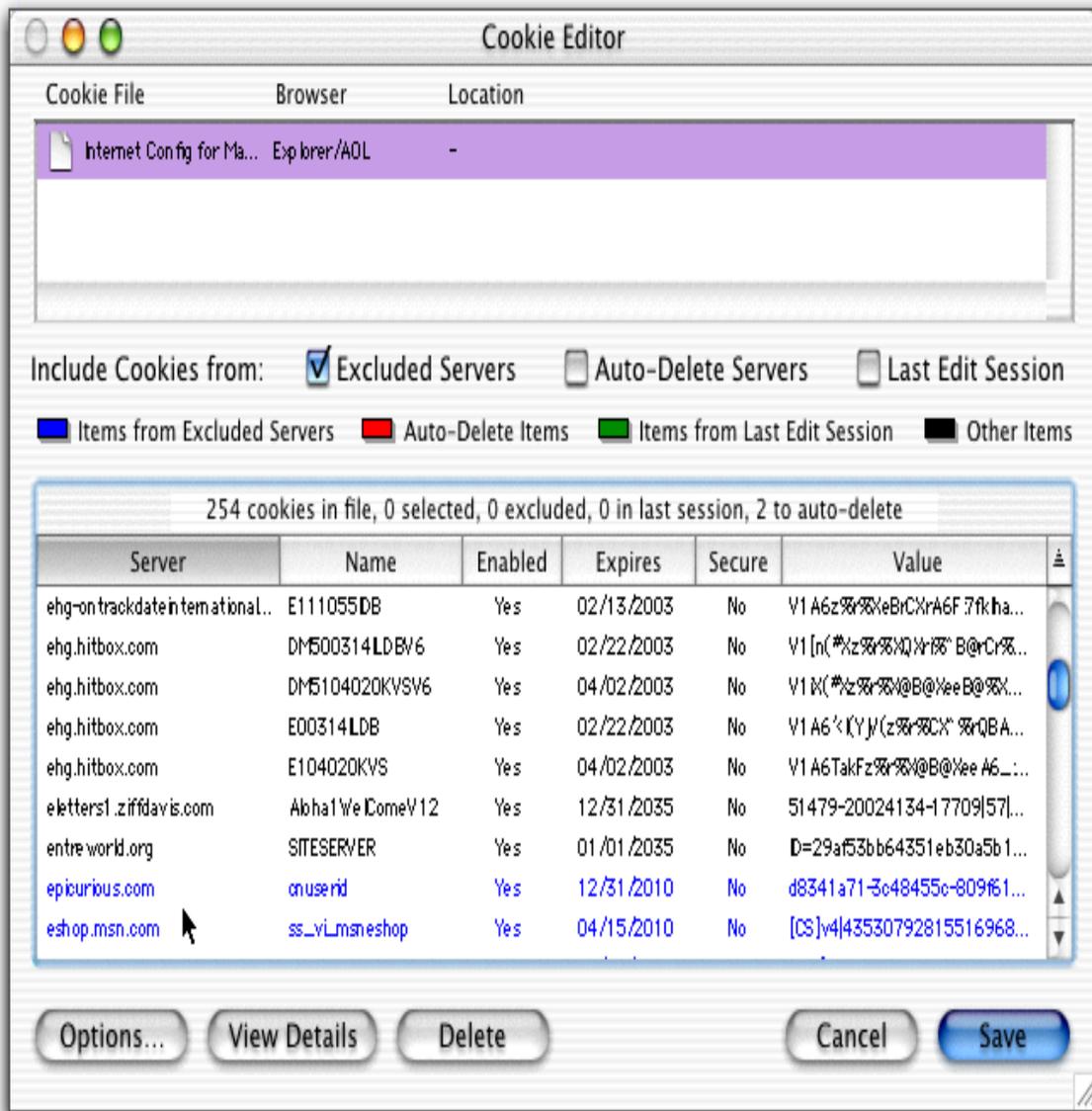
There are many different cookies that you might want to keep. For example, the cookies used by your bank so you can log into your account and bank online or the cookie for online magazine subscriptions and more. To prevent yourself from accidentally deleting these valuable cookies, you add them to the excluded list. When cookies are in the excluded list, they are hidden from view unless you enable the **Include Cookies from Excluded Servers** option at the bottom of the Cookie Editor window. To add a cookie to the excluded list or to have it automatically deleted next time, click on the cookie in the editor window and click **Options**.



The selected cookie now appears in the text field for both the “Do not display cookies” and the “Automatically delete cookies” lists. Click the first **Add Server** button to add the cookie to the excluded list. Click the second **Add Server** button to have the cookie automatically deleted when ever it appears on your Macintosh the next time you run Spring Cleaning. Additionally, you can manually add cookies to these lists by typing the server name in the Server field and click **Add Server**. Click **Save** when done.

Now, all excluded cookies are hidden unless you click the **Exclude Servers** checkbox near the top of the Cookie Editor window. Excluded cookies are displayed in blue however by clicking on the color box you can change the color that cookie appears in. Should a cookie be included in both the Exclude Server list and the Auto-Delete list the cookie will **not** be deleted.

Clicking on the **Auto-Delete Servers** box and **Last Edit Session** will display those cookies. They each have corresponding color codes so that you can easily spot which cookie belongs to which list. by clicking on the color box you can change the color that the cookie is displayed in. These cookies once displayed will not be reflected in the total count of cookies in the list. The **Last Edit Session** checkbox is checked by default. This is a handy way to quickly note which cookies you had in the last session so that you can ignore them or take specific action on them.



EXCLUDE FROM FUTURE SEARCHES

If you have aliases that point to external or removable media, you can exclude them from future searches. If you have files whose parent application resides on a server, but you do not want to search the server for applications, you can exclude these from future searches.

This action will prevent the selected items from appearing in the Search Results window. In the dialog box:

1. Choose whether the items are to be excluded from future searches of the current type, or all search types.
2. Click **OK**.

At any time, you can add or remove items from the list of exceptions. [“Exceptions” on page 33](#) covers how to view the items that have been excluded, and how to modify the list.

LAUNCH WITH

Launch with is only available as an **Advanced Mode** action. Selecting this action opens the selected files with a specified application which will provide easier access to files from any location.

In the dialog box:

1. Navigate to and select the application with which to open the files.
2. Click **Open**.

NOTE: You cannot use this action on fonts.

MOVE AND LEAVE ALIAS

Move and Leave Alias is an Advanced Mode only action that moves the selected items to a new location and creates an alias in the current location that points to the new location. Replacing files with an alias helps you access and organize files for your own work style.

In the dialog box:

1. Navigate to and select the new location for the items.
2. Click **Choose**.

NOTE: You cannot use this action on fonts.

MOVE TO

This action moves the selected items from their current location to a new one. Moving files to more logical locations can improve productivity and allow you to work faster because file access is easier. It is also beneficial for moving items to removable media or servers for backup purposes.

In the dialog box:

1. Navigate to and select the new location for the items.
2. Click **Choose**.

MOVE TO STORAGE FOLDER

This action moves the selected items to a folder titled with the current date and the name of the search (e.g. October 25 - Orphaned Prefs Finder). This folder is created in the Spring Cleaning Storage folder.

There is also a document in the Storage Folder titled `What are these folders?` that contains information about the folders and the items inside.

MOVE TO STUFFIT ARCHIVE

This action saves hard disk space by compressing all the selected items into one new StuffIt Archive and deleting them from their current location. Moving files to remote or portable media improves productivity by moving infrequently used files out of the way. Compressing these files saves drive space and file transmission time. For details, see [“Duplicate to StuffIt Archive” on page 41](#).

MOVE TO TRASH

This action moves an item to the Trash from its current location. This action is an alternative to using the [Delete](#) action. If you are unsure about deleting an item, use **Move to Trash**. instead.

If you move an item to the Trash, but decide later that you'd like to move it back to its former location, choose **File > Restore** from the Spring Cleaning menu bar. Alternatively, open the Trash, select the item, and choose **File > Put Away** (Command - Y) in the Mac OS Finder. This will move the selected items back to their previous locations.

NOTE: The **Put Away** command is not available under Mac OS X. Use Spring Cleaning's [Restore](#) feature instead.

POINT ALIAS TO

This action directs an alias to point to a new item. In the dialog box:

1. Navigate to and select the item to which the alias should point.
2. Click **Choose**.

This action is useful if you have aliases that could not be resolved. If an alias is displayed in the Search Results window, and you know what it should point to, use this action to point the alias to the correct item.

QUICKCOMPARE

QuickCompare is an **Advanced Mode** only action that passes the selected files to the QuickCompare application to perform the actual comparison. QuickCompare can compare text files, folders and packages. Only two items can be compared at any time. This action is only available under Mac OS X. For more information, see [“QuickCompare” on page 35](#).

REPLACE WITH ALIAS TO

This action deletes an item and replaces it with an alias of a different item. It can be helpful if you have duplicate copies of a file or application. You may not need both copies, yet you access the item from both locations. You can replace one copy with an alias to the other, thus saving hard disk space.

For example, if you have an application in your Launcher folder and you have the same application in your applications folder, you can replace the one in the Launcher folder with an alias to the other. Since aliases take up very little disk space, none is wasted by using them.

In the dialog box:

1. Navigate to and select the item for which you would like to create an alias.
2. Click **Choose**.

NOTE: You cannot use this action on fonts.

RUN APPLESCRIPT

Run AppleScript is only available as an **Advanced Mode** action. This action will launch the selected items in an AppleScript or Frontier droplet. This will run the script you specify using the selected items. To open items with different scripts, you will need to perform the action on each set of items to be run with a particular script. In the dialog box:

1. Navigate to and select the script with which to open the items.
2. Click **Open**.

NOTE: You cannot use this action on fonts.

TRIM FAT

This action trims the selected applications of unnecessary code. This action is only available with the Fat App Slimmer search. For more details, see [“Fat App Slimmer” on page 15](#).

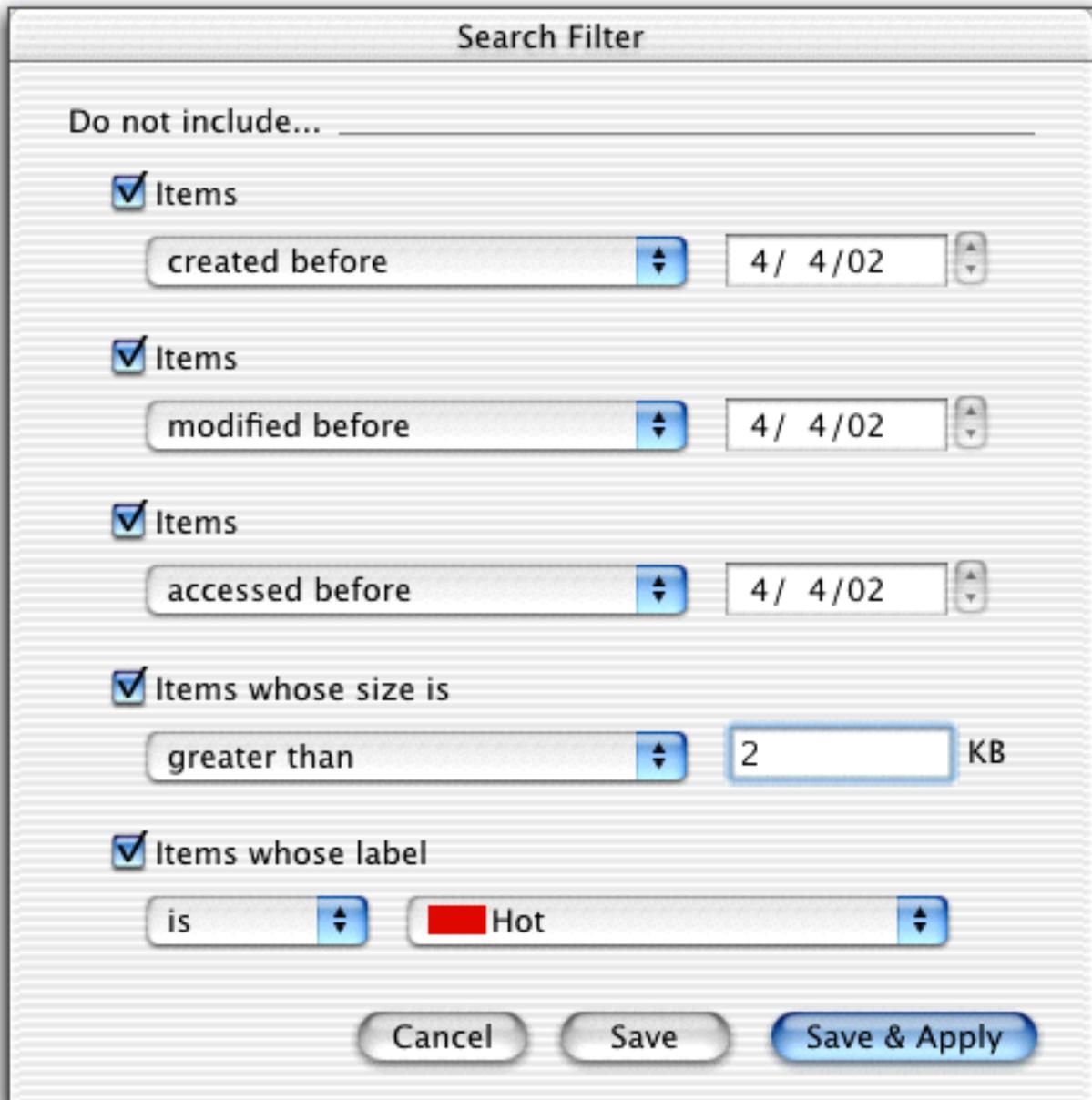
SEARCH & VIEW FILTER SETTINGS

These filter settings help narrow down the search results both prior and after the search is complete. Use the **Search Filter** button prior to running a search and the **View Settings** button to further narrow down your results.

SEARCH FILTER

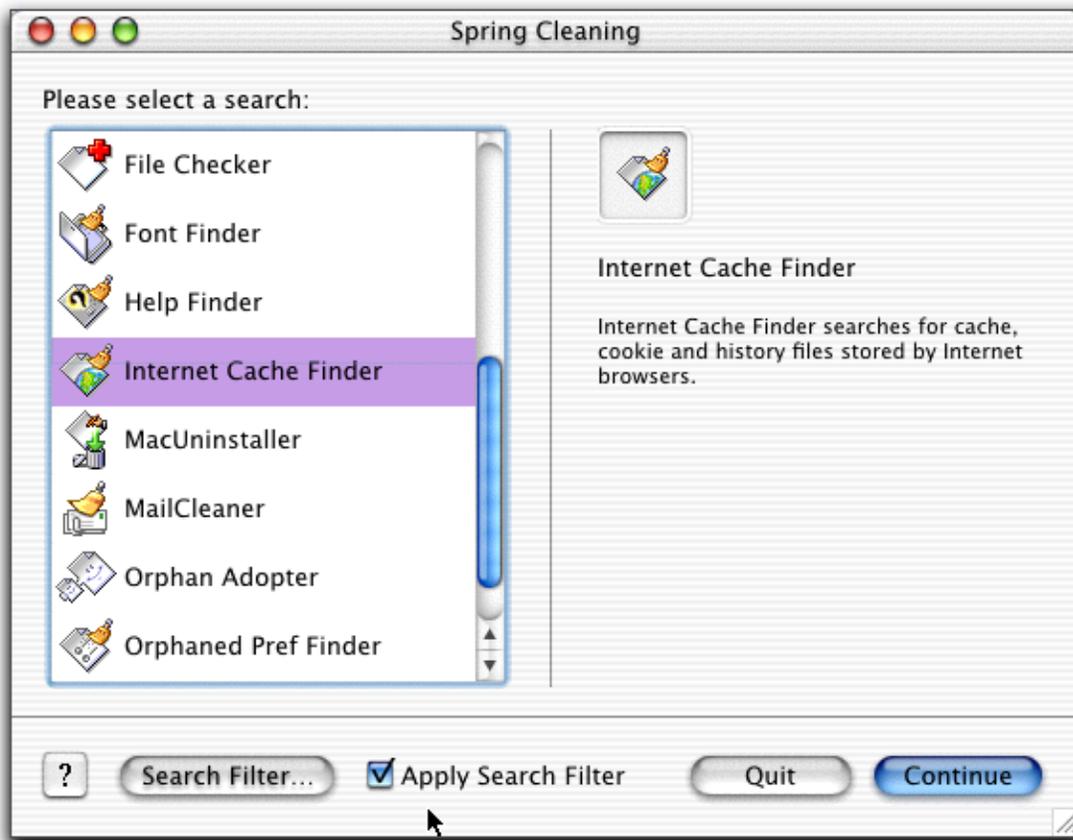
The Search Filter window is similar to the View Settings window with two exceptions. Search Filters are applied *during* your search and the available settings are slightly different than the View Settings.

In Mac OS X, the Search Settings window contains items related to creation date, modification date, access date, file size, and label.



In Mac OS 9 and earlier, the Search Filter window contains four options related to creation date, modification date, file size, and file label.

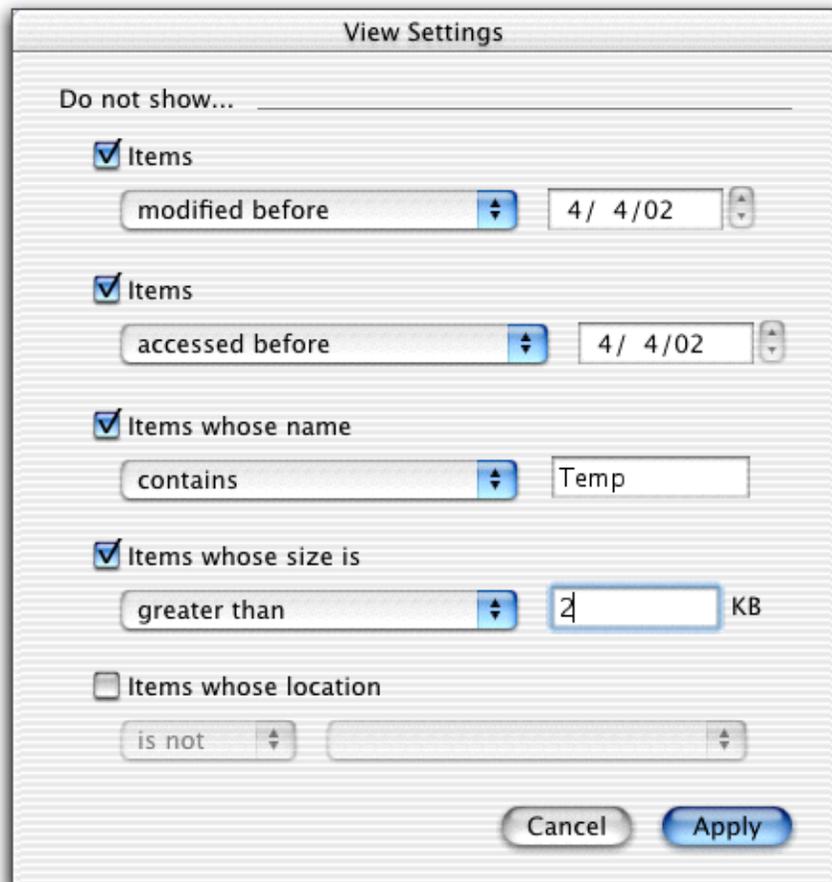
In **Standard Mode**, Search Filters are applied to every search. In **Advanced mode**, Search Filters are only applied if the **Apply Search Filter** option is checked in the **Advanced Mode** window.



VIEW SETTINGS

Once a search is complete, you can further filter what results are displayed using the **View Settings** button found on the upper left of the search results window.

The View Settings window displays various criteria you can use to filter the results of searches in the Search Results window. The actual View Settings varies slightly depending on the search, but the principles are the same. For example, when used with the MailCleaner search, the settings for Name and Date can be applied but not the settings for Size and Volume. Also the popup menu options say **sent before** and **sent after** instead of **modified before** and **modified after**. Additionally, under Mac OS X these options change to **accessed before** and **accessed after** when used with the MailCleaner search.



To set a particular criteria:

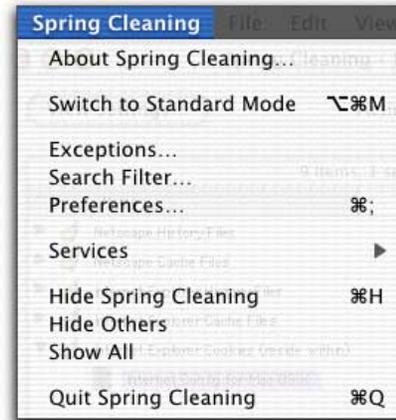
1. Click in the box next to the item you want to use as a filter.
2. Further refine the view using the pop-up menus.
3. If necessary, adjust the date or type one or more words in the search field, or enter a value in the file size field.
4. Click **Apply** to set and filter the view.

The filter options you choose take affect immediately. You can change the view settings many times to see different results in the Search Results window.

MENUS

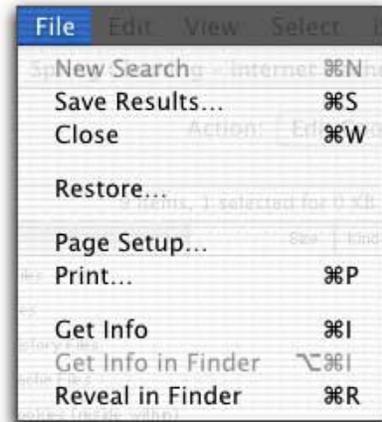
SPRING CLEANING

The Spring Cleaning menu only appears if you are running Mac OS X. In addition to the standard choices, this menu allows you to **Switch to Advanced Mode** to access the **Advanced Mode** features of Spring Cleaning. You can also set the **Preferences** and **Exceptions** as well as **Search Filter**.



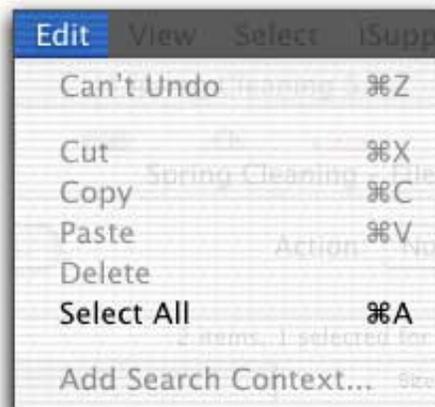
FILE

The File menu contains standard choices. You can also choose Restore from this menu when running classic. Use the **Reveal in Finder** menu option to open the parent folder of the item and bring the finder forward. If you are using Mac OS9.x or older you can choose **Switch to Advanced Mode** to access the **Advanced Mode** features of Spring Cleaning.



EDIT

The Edit menu allows you to add the **Search Context** for the search you want to run. This where you add a volume, remote volume or folder to the volume selection window. For older OS's set the **Preferences** and **Exceptions** as well as **Search Filter** in addition to the standard options.



SELECT

Using the Select menu, you can select groups of items. Each menu item is based on the criteria of the last selected item.



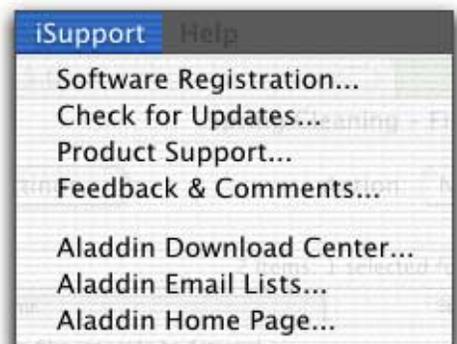
VIEW

The View menu allows you to sort items in various ways. You can view by name (alphabetically), date (chronologically), size (smallest to largest), or kind (alphabetically). Each view can be sorted in ascending or descending order.



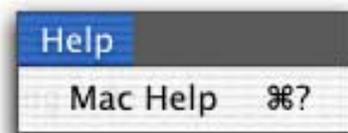
iSUPPORT

The iSupport menu allows you to quickly gain access to Aladdin Technical Support, product registration, check for updates and to contact us.



HELP

The Help menu allows you to access online help.



SPRING CLEANING AND ICLEAN SUPER ACCESS

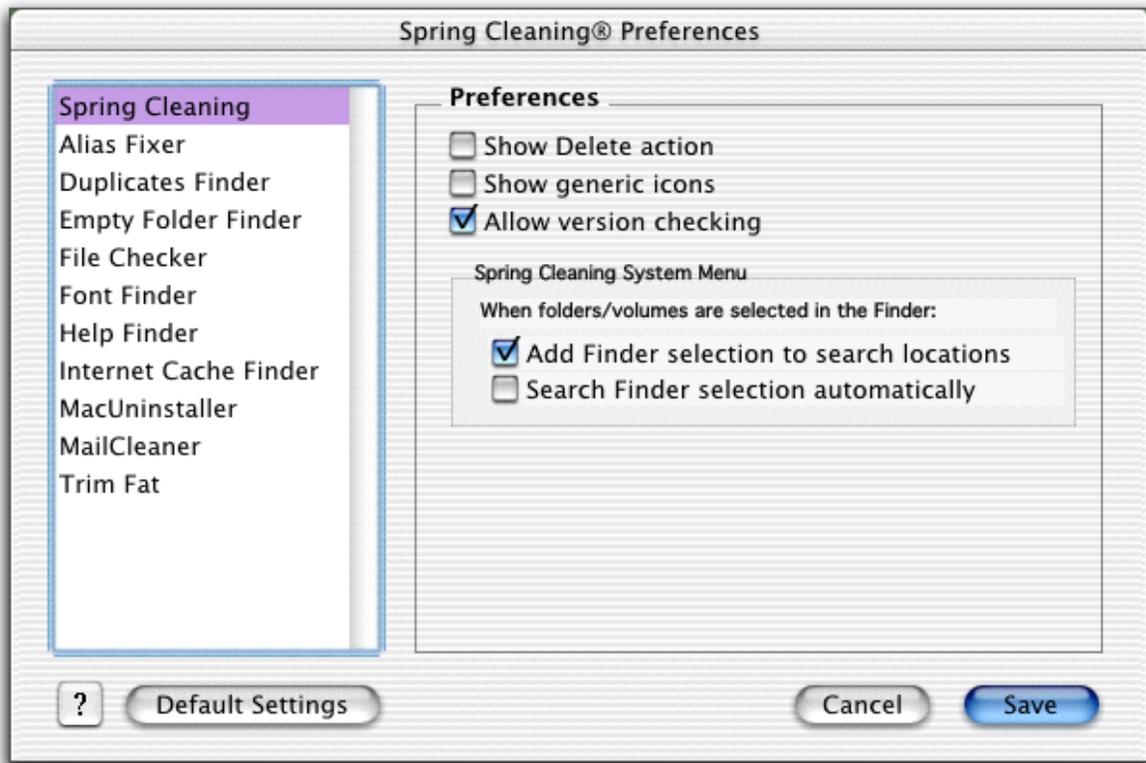


Both Spring Cleaning and iClean have small shell applications that allow you to gain root or super access to your Macintosh. Under Mac OS X there are certain files for which you need root access permission. Launch Spring Cleaning or iClean Super Access applications any time when you know you will be running searches that require you to have permission to access those files.

SPRING CLEANING PREFERENCES

PREFERENCES OVERVIEW

Spring Cleaning's preference settings are available by choosing **Edit > Preferences** from the menu bar or **Spring Cleaning > Preferences** under Mac OS X. Spring Cleaning's preferences control how various searches operate. The preference dialog contains a list of preference panels for various searches on the left. Click on a preference item from the list to see the settings for that search. Not all searches have preferences available for them.



Click **Default Settings** to change the preferences for all searches to the original settings when the program was installed.

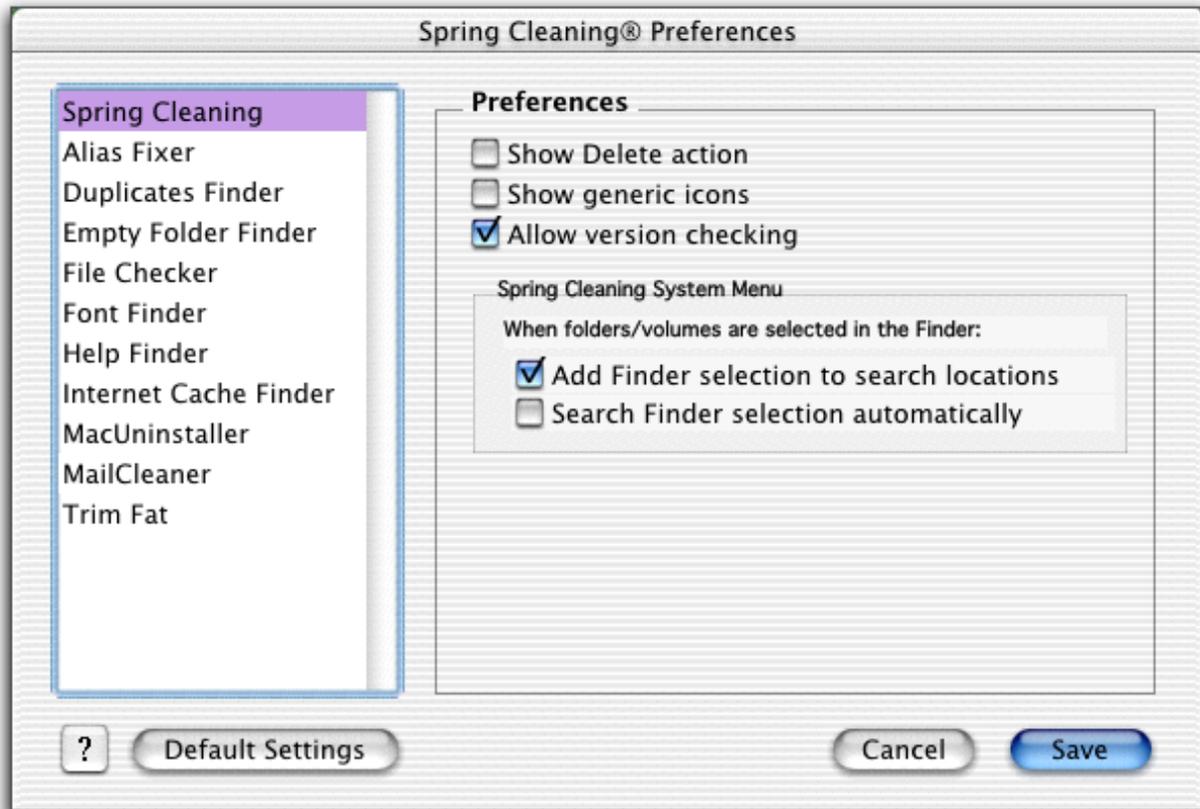
The preferences available from this dialog are:

- [Spring Cleaning](#)
- [Alias Fixer](#)
- [Duplicates Finder](#)
- [Empty Folder Finder](#)
- [File Checker](#)
- [Font Finder](#)
- [Help Finder](#)
- [Internet Cache Finder](#)

- [MacUninstaller](#)
- [MailCleaner](#)
- [Trim Fat](#)

SPRING CLEANING

The preference settings in this panel control Spring Cleaning's overall behavior.



SHOW DELETE ACTION

Show Delete action controls whether the **Delete** action appears in the **Action** pop-up menu in the Search Results window or not.

IMPORTANT: The **Delete** action cannot be undone. Deleted items are not recoverable. We recommend that you do not enable this preference unless you know what you are doing. If you are unsure whether to delete an item, use the [Move to Trash](#) action instead.

SHOW GENERIC ICONS

Show generic icons determines what type of icons are displayed. When enabled, Spring Cleaning substitutes generic icons for files and applications; resulting in faster searches. If disabled, each file displays its own icon.

ALLOW VERSION CHECKING

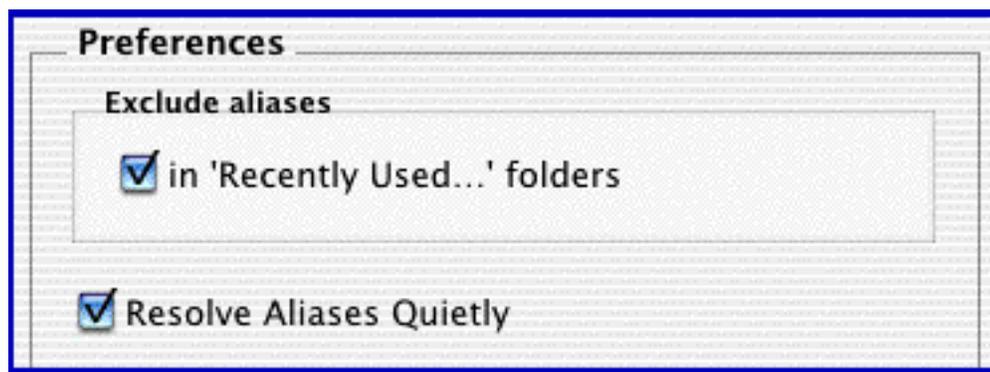
This preference is enabled by default and allows Spring Cleaning to check for new updates to Spring Cleaning through the internet whenever you start the program. Click **Download** to retrieve a new update when available.

SPRING CLEANING SYSTEM MENU

Checking the **Add Finder selection to search locations** box will allow items selected in the Finder to be placed in the Search Folder/Volumes window. If the **Search Finder selection automatically** box is checked then the items that are selected in the Finder will be automatically searched.

ALIAS FIXER

Alias Fixer only has two preferences that control the search behavior.



EXCLUDE ALIASES IN “RECENTLY USED...” FOLDERS

When enabled, Spring Cleaning will not check aliases located in the Recent Servers, Recent Applications, or Recent Documents folders in the Apple Menu. The items in these folders change as you use your computer. This preference is enabled by default and we recommend that you leave this preference enabled.

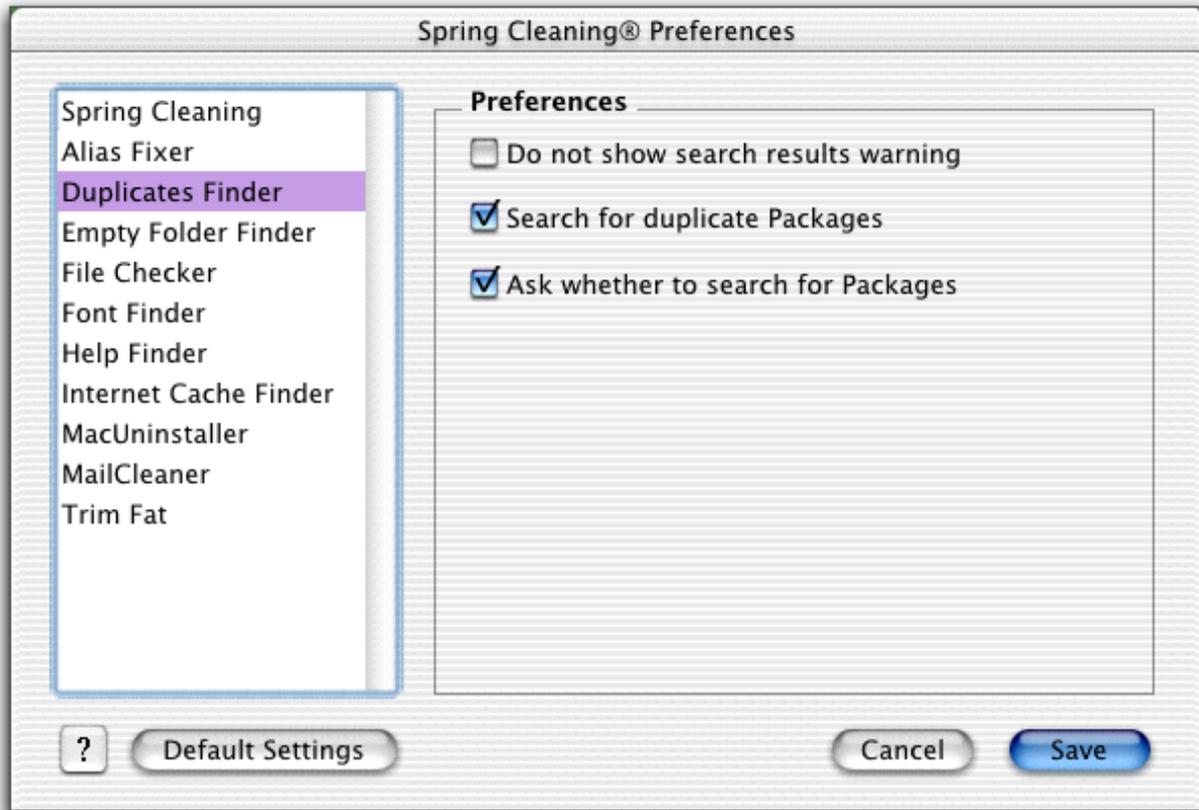
RESOLVE ALIASES QUIETLY

When enabled, Spring Cleaning will not ask to mount servers to which aliases point. These aliases are listed in the Search Results window in the second category: “These aliases point to items not in the search location.” If you disable this preference, you will be asked to mount any servers to which aliases on your target drives point including aliases that point to servers as opposed to items on the servers. This preference is enabled by default.

To allow the search to run faster, we recommend that you leave this option enabled.

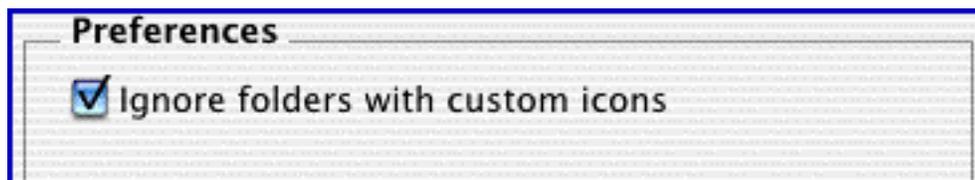
DUPLICATES FINDER

The Duplicates Finder search has three preference options, **Do not show search results warning** which is disabled by default, **Search for duplicate Packages**, and **Ask whether to search for Packages**. Packages refer to the way that Apple suggests new applications be presented.



EMPTY FOLDER FINDER

The Empty Folder Finder search only has one preference option, **Ignore folders with custom icons** and is enabled by default.



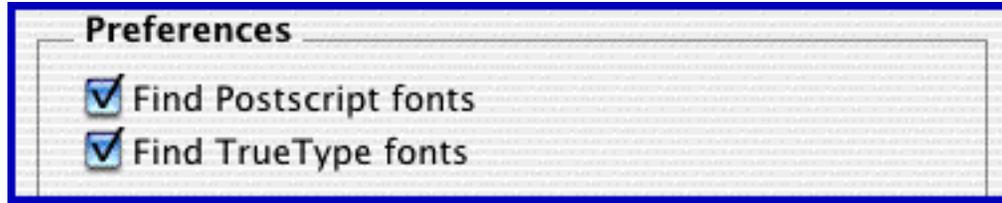
Many users store custom icons on folders. This preference allows Spring Cleaning to ignore those folders making the found set more manageable and allows you to quickly determine which items to remove. Leave this preference enabled if you use empty folders for custom icons.

FILE CHECKER

The File Checker search has only two preference. The **Search for damaged packages** preference allows you to inspect application packages. The **Ask whether to search Packages** checkbox can be unchecked if you do not have any packaged applications or do not want to be bothered with this alert.

FONT FINDER

The Font Finder search has two preference options that control which font types you search for. The preference options are: **Find Postscript fonts** and **Find TrueType fonts**.

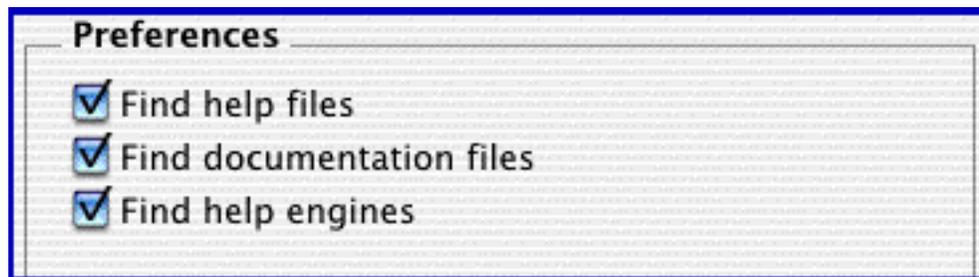


Both preferences are enabled by default. Spring Cleaning includes PostScript and TrueType fonts files in its search.

If you only want to search for one type of font, or you want to exclude specific font types, check and uncheck the boxes as necessary.

HELP FINDER

Help Finder can search for more than just “Help” files. Use Help Finder to search for Read Me files, text files, PDF files and more. These preferences control what files Help Finder finds. If you only want to search for one type of file, or you want to exclude specific types, check and uncheck the boxes as necessary.



FIND HELP FILES

Help files are special files installed to provide assistance such as AppleGuide files or HTML help files. This preference is enabled by default.

FIND DOCUMENTATION FILES

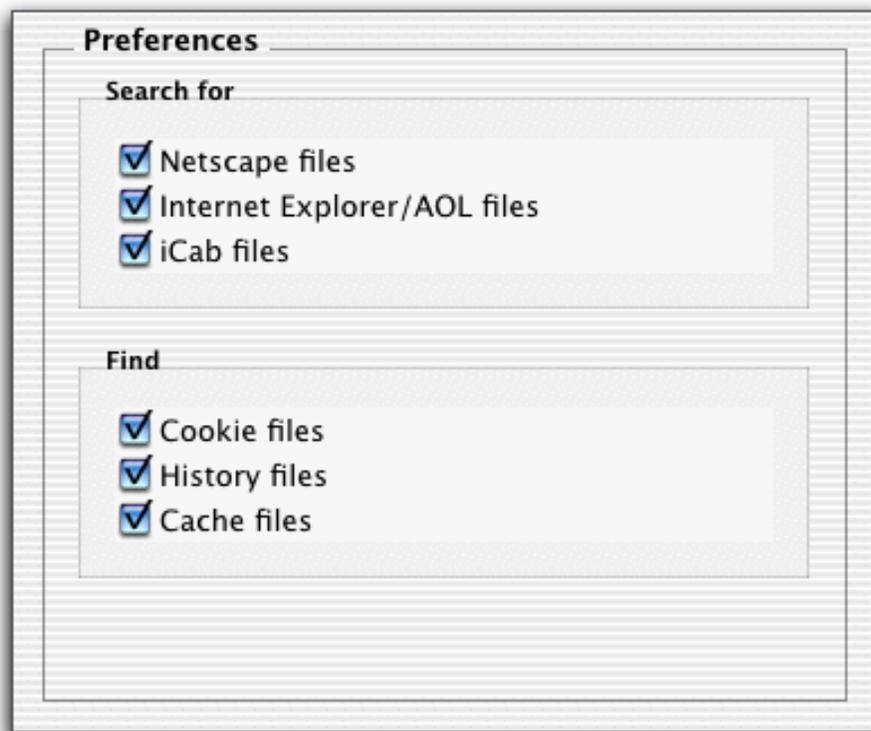
Documentation files are the “Read Me” or text files installed by software. This preference is enabled by default.

FIND HELP ENGINES

A help engine is an application, control panel, or extension that is used to open various help files. A few examples are the Apple Guide extension, the Microsoft Help application, and QuickHelp. This preference is enabled by default.

INTERNET CACHE FINDER

The Internet Cache Finder search finds more than just “cache” files. This search also finds history and cookie files from the three major web browsers. These preferences control what browser application and types of Internet files are returned in the Search Results window. If you only want to search for one type of file, or you want to exclude specific types, check and uncheck the boxes as necessary.



SEARCH FOR NETSCAPE FILES

This preference is enabled by default. If you don't want to search for Netscape files, click the checkbox to deselect it.

SEARCH FOR INTERNET EXPLORER/AOL FILES

This preference is enabled by default. If you don't want to search for Internet Explorer/America Online files, click the checkbox to deselect it.

SEARCH FOR ICAB FILES

This preference is enabled by default. If you don't want to search for iCab files, click the checkbox to deselect it.

FIND COOKIE FILES

This preference is enabled by default. If you don't want to find Cookie files, click the checkbox to deselect it.

FIND HISTORY FILES

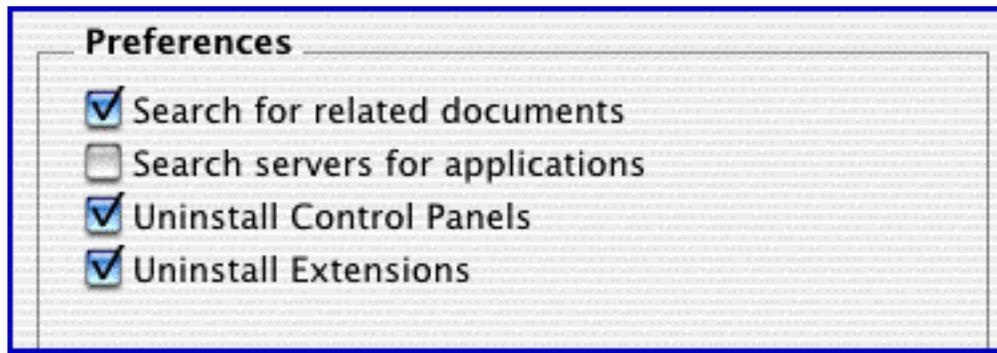
This preference is enabled by default. If you don't want to find History files, click the checkbox to deselect it.

FIND CACHE FILES

This preference is enabled by default. If you don't want to find Cache files, click the checkbox to deselect it.

MACUNINSTALLER

The MacUninstaller search tries to find all files related to the application you want to uninstall. These preferences control the different kinds of files MacUninstaller finds.



SEARCH FOR RELATED DOCUMENTS

This preference is disabled by default. Documents created by the application you are choosing to uninstall do not appear in the Search Results window. If you may want to access the documents at a later time, it is recommended that you leave this preference disabled.

If you enable this preference, all documents created by the application you are choosing to uninstall are displayed in the Search Results window.

SEARCH SERVERS FOR PROGRAMS TO UNINSTALL

This preference is disabled by default. If you enable this preference, Spring Cleaning will search any mounted servers for applications to uninstall. It is best to leave this preference disabled to avoid removing programs that others may use, and to reduce search time.

UNINSTALL CONTROL PANELS

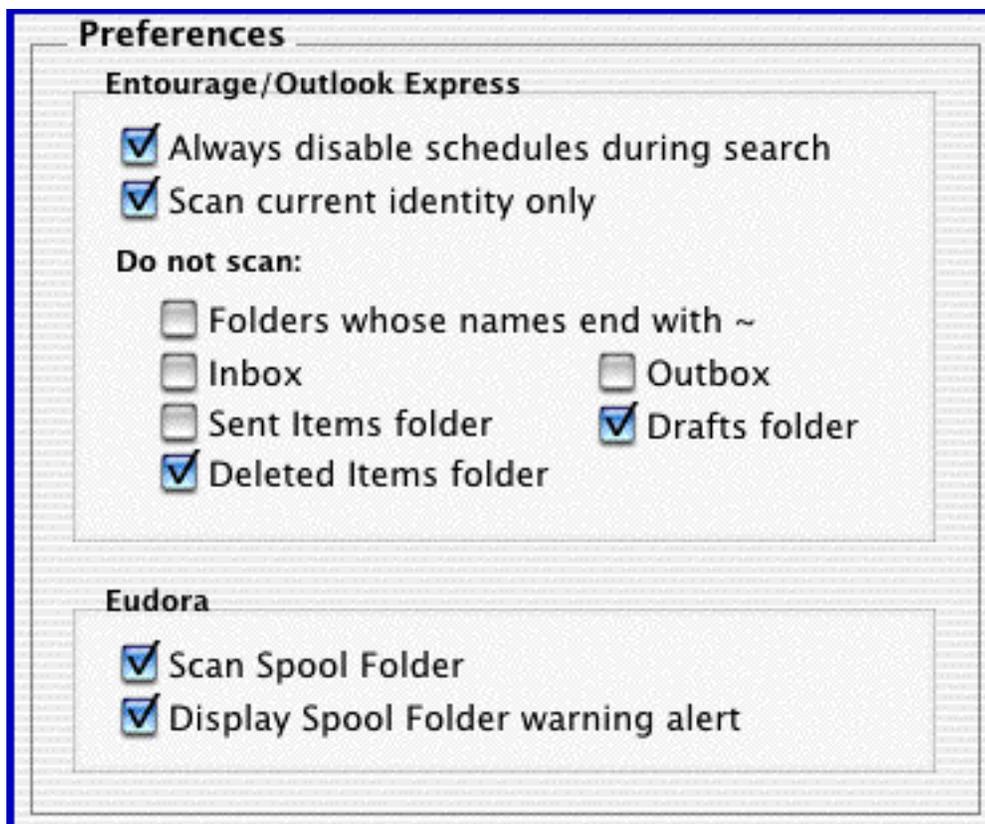
This preference is disabled by default. If you enable this preference, Spring Cleaning will list control panels as items that you can uninstall. If these items are associated with an application, they will appear in the Search Results window for an application's associated files. It is recommended that you leave these preferences disabled.

UNINSTALL EXTENSIONS

This preference is disabled by default. If you enable this preference, Spring Cleaning will list extensions as items that you can uninstall. If these items are associated with an application, they will appear in the Search Results window for an application's associated files. It is recommended that you leave these preferences disabled.

MAILCLEANER

MailCleaner has many preference options. The the top preferences apply to Microsoft Entourage and Outlook Express. The bottom two preferences apply to Qualcomm's Eudora.



ALWAYS DISABLE SCHEDULES DURING SEARCH

When checked, MailCleaner prevents Entourage or Outlook Express from running any schedules to check mail while searching for attachments. This preference is disabled by default.

SCAN CURRENT IDENTITY ONLY

Microsoft Entourage and Outlook Express allow for multiple users called identities. This preference, when checked, makes MailCleaner scan only the current identity only. This preference is disabled by default.

DO NOT SCAN

The next group of settings control what folders *not* to search. Messages “in progress” are stored in the Drafts folder. You may not want to search for attachments to these email messages as they are incomplete for example.

There are six settings in this group. They are: **Folders whose names end with ~**, **Inbox**, **Outbox**, **Sent Items folder**, **Drafts folder**, and **Deleted Items folder**. Check or uncheck the options you want as appropriate. All these settings are disabled by default.

SCAN SPOOL FOLDER

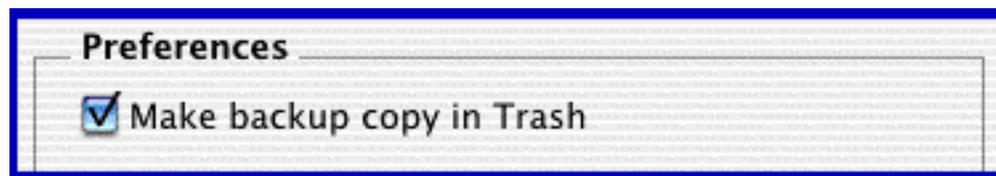
Eudora keeps attachments that are being resent or forwarded in the Spool Folder until the corresponding message is deleted. This preference tells MailCleaner to search the Spool Folder. This setting is enabled by default.

DISPLAY SPOOL FOLDER WARNING ALERT

When enabled, Spring Cleaning displays a warning dialog informing you that it is searching Eudora's Spool Folder. This preference is enabled by default.

TRIM FAT

The Trim Fat search only has one preference option, **Make backup copy in Trash**.



When enabled, a copy of each application to be trimmed is created in the Trash, prior to the trimming process.

This preference is a good 'backup.' We always recommend you have a backup copy of an application. Once trimming completes and you have verified the functionality of the application, you can empty the Trash to recover hard drive space.

This preference is enabled by default. If you do not have a backup of your applications, we recommend that you leave this preference enabled.

SPRING CLEANING NOTES

If you move an item to the Trash, but later decide you'd like to move it back to its former location, you can. Open the Trash, select the item and choose **File > Put Away** in the Mac OS Finder (this option is not available in Mac OS X). This will move the selected items back to their previous locations.

Every file on a Macintosh has two 'codes' assigned to it – "type" and "creator." These codes identify the file to the system. The type code determines what type of file it is – an application, text file, extension, database file, etc. The creator code is unique for each application and denotes the application that created a file.

When you select a file in [Document Finder](#), Spring Cleaning looks at its type code and then searches for all files of the same type.

If you always have Adobe Type Manager (ATM) installed and running, you can remove the larger bitmap fonts from your System Folder. ATM will generate the larger sizes for you as needed. Removing the 18- and 24- point sizes will reclaim large amounts of space.

The following alert may appear:

"Memory is getting full. The current operation may not be able to continue."

If so, try the following procedures:

1. Enable the [Show generic icons](#) preference.
2. Close any open applications other than Spring Cleaning, and try the search again.
3. Restart your Macintosh with OS Base settings.

If the problem persists, increase Spring Cleaning's memory allocation by using the following procedure:

1. Quit Spring Cleaning.
2. Open the Spring Cleaning folder.
3. Single-click on the Spring Cleaning application icon.
4. Choose **File > Get Info** (Command-I).
5. In the **Memory Requirements** section, increase the Preferred Size by 1000k.
6. Close the Get Info window.
7. Launch Spring Cleaning and try to run the search again.

If the problem persists, repeat steps 2-7 until the search runs successfully.

The following alert may appear:

"The contents of the disk being searched changed during the search. The results will not be complete."

This means that while the search was in progress, something on your hard drive caused the contents of the drive to change, i.e., another application running. If you run the same search again, different results may appear.

You may notice that some of your searches take a bit of time to complete. Searches are much more complicated today than in times past. A number of hurdles have to be cleared in order to provide useful results.

One of the key problems is that hard drives are much bigger than they used to be, and contain many more items. Searching over tens of thousands of items to identify matches for a particular search can be a huge task. It also takes time to filter out the files that should not be returned as results. Spring Cleaning has attempted to bridge this problem by allowing you to search particular folders instead of searching over entire hard drives.

Unfortunately, Spring Cleaning has to manually examine every item under consideration as a match for a search to determine whether it should be disqualified. This is an expensive operation. It is made more expensive by the need to check for the same disqualifying conditions against all of the containing folders of each item. This is necessary because while a given item may in itself not be invisible or have restricted access privileges, it may be contained by a folder that is invisible or has restricted access privileges.

Lastly, the searches supported by Spring Cleaning vary in complexity. Some searches, like Help Finder, may actually consist of dozens of independent searches to find many different kinds of items that fits the scope of what the search was intended to find for its users. This may require many passes over the selected search locations, looking for different types of items.

Other searches must physically examine data in files to determine whether the files match the searches requirements. Reading data from disk adds up, especially when it comes to analyzing thousands of files.

Spring Cleaning does everything possible to obtain results in the fastest manner it can, in order to return the best results to its users, according to their needs.

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