User's Manual

R-Wipe&Clean for Mac

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I R-Wipe & Clean for Mac Overview

R-Wipe & Clean for Mac is a complete solution to erase useless files on your computer, prevent identity theft, and maintain computer privacy.

Using this program, you can:

- Erase files and folders using fast or secure-wiping algorithms. Those files and folders can be combined into wipe lists that can be erased as a single preset.
- Clean you computer from various privacy-compromising information about:
  - your on-line activity: browser's cached files, history of visited sites, cookies, passwords, lists of downloaded files, and many more.
  - your off-line activity: lists of recently opened documents, various caches, programs, and many more.
  - activity traces of many third-party applications, such as their scratch files, temporary folders, system data, and many more.

All small computer cleaning jobs can be combined into large computer cleaning presets that can be started immediately, or at scheduled time/events

Information about R-Wipe & Clean for Mac

- Information about **R-Wipe & Clean for Mac**: **R-Wipe & Clean for Mac Features**.
- **System Requirements**
- **Customization, Preferences, and Logging**
- Your private information that macOS stores on your computer: **Erasing and Cleaning**.
- Default file Preferences: **Default Wiping Preferences**.
- About erasing files on modern Macs: **File Erasure on SSD and HDD devices**.

Erasing and cleaning presets

How to:

- Clean your private information from your computer: **Cleaning a Computer**
- Erase a single file directly from macOS Finder: **Erasing a File**.
- Erase several files in a single erase preset: **Wipe Lists**.
- Clean your computer, erase several files and folders, and unused disk space simultaneously: **Setting a Large Erase and Clean Preset**.

- **Contact Information and Technical Support**

1.1 R-Wipe & Clean for Mac Features

Total computer cleaning:

Using **R-Wipe & Clean for Mac** you can:

- See various traces of your activity that your Mac stores.
- Erase various caches, logs,and reports.
- Clean various lists of recently used applications, opened documents, visited documents, etc.
- Clean history: lists of visited web sites.
- Erase cookies: small files that web sites store on your computers for identification purposes. Your favorite cookies may be safely kept.

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- Clean autocomplete forms: logins, user names, passwords and other personal information entered at web sites and keywords entered at search engines.
- Clean activity traces from numerous popular third-party applications. Installed applications are detected automatically.
- Create customized wipe lists to clean activity traces from any application that **R-Wipe & Clean for Mac** currently does not support. Such wipe lists may include application working and temporary folders and files.

Go to the **Erasing and Cleaning** section to learn more about your private information that macOS stores on your computer.

All of files may be wiped to ensure their total unrecoverable elimination. Please note that file wiping makes sense only for HDD devices. See the **File Erasure on SSD and HDD devices** page for more details.

Supported browsers and toolbars

Items that can be cleaned in various supported browsers

Browser	Items that can be cleaned
Safari	• Cache • Cookies • History • Auxiliary Traces • Download History • AutoFill Information • Form History • DOM Storage • Prefs Usage History • Cached Bookmarks • Local Storage • Notifications Cache • Quick Website Search Info • Stored Notifications Info • Stored RSS Feeds Info • Stored Website Icons • Top Sites Previewes • Touch Icons • WebKit Cache
Mozilla Firefox	• Cache • Cookies • Browsing History • Auxiliary Traces • Download History • Names and Passwords • Form History • DOM Storage • Prefs Usage History

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	• Sessions History • Stored Favicons • Stored Session Info • Telemetry Reports • Timestamps • Update Logs • Webpage Thumbnails
Google Chrome	• Cached Files • Cookies • Browsing History • Auxiliary Traces • Download History • Names and Passwords • AutoFill Information • Address Bar History • Application Cache • Current Session • Current Tabs • DNS Prefetching • Extensions Databases • Extensions State • Flash Player Cache • GCM Service Traces • GPU Cache • Last Session • Last Tabs • Media Cache • Most Visited Sites • Native Client Cache • Prerendering Data • Quota Manager Data • Rollback Journals • Search Engines Data • Search History • Session Databases • Stored Favicons • Sync Data • TLS Certificates • Web Databases • Web SQL Databases
Opera	• Cache • Cookies

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	• History • Download History • Names and Passwords • AutoFill Information • Media Cache • Rollback Journals

Items that can be cleaned in various communication programs

Programs	Items that can be cleaned
Skype	• Chat History • Call History • Chat Properties • Cache Files • Cached Web Files • Sent SMS messages • Unauthorized Contacts

File erasing

- Erase files using either fast or strong wipe algorithms, including DOD-approved. Go to the **File Erasure on SSD and HDD devices** section to learn more about erasing files.
- Erases files directly from Finder.
- Erases predefined wipe lists - lists of files and folders to be erased through single erase presets. Files and folders may be included into a current wipe list directly from Finder.

Go to the **Erasing and Cleaning** section to learn more about file erasing.

Scheduler

- You may combine all the erasing and cleaning presets into a large one and start it manually or set a start time/event for it.
- When such start time is set, this erasing and cleaning preset will start automatically as a background task.
- Scheduler can turn your computer off when the erasing procedure is completed.

Additional useful features

- Detailed representation of all records of on- and off-line activity on your computer.
- Customizable system integration: most erase and delete operation can be performed directly from the system.
- Customization: only necessary items can be visible in **R-Wipe & Clean for Mac**.

Go to the **Scheduler** section to learn more about erase preset scheduler.

1.2 System Requirements

- Mac OS X 10.7 Lion, OS X 10.8 Mountain Lion, 10.9 Mavericks, 10.10 Yosemite, 10.11 El Capitan, macOS 10.12 Sierra

1.3 Contact Information and Technical Support

To obtain the latest version of **R-Wipe & Clean for Mac**, go to:

Product Site: http://www.r-wipe.com

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Sales Department: sales@r-tt.com

The **R-Wipe & Clean for Mac** Support Team is available 24 hours a day, seven days a week, and has an average e-mail response time less than 4 hours.

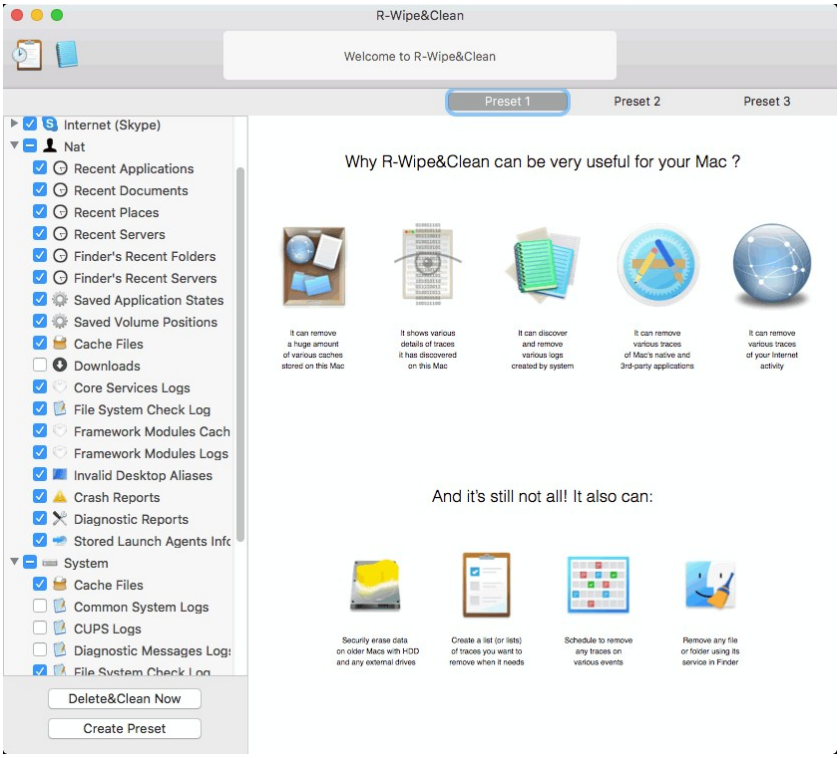
Tech. Support: support@r-tt.com
Send your support request to: http://www.r-tt.com/Support_request.html

Data Security & Privacy FAQ: http://www.r-tt.com//Data_Security_Privacy_FAQ.shtml
R-TT Forum: http://forum.r-tt.com

II R-Wipe & Clean for Mac Main Panel

Note: Some operations, such as erasing a file, can be performed directly from the contextual menu without starting **R-Wipe & Clean for Mac**.
When **R-Wipe & Clean for Mac** starts, its main panel appears. You may customize **R-Wipe & Clean for Mac** to view only necessary items.

R-Wipe & Clean for Mac's main panel



Sidebar - Tree view
You may collapse and expand sections under this style
You may customize **R-Wipe & Clean for Mac** to view only
necessary items.

Sidebar - Finder View tab
The **Finder View** will be shown on the left pane
Right-click the items to select between large or small icons
You may customize **R-Wipe&Clean** to view only necessary items.

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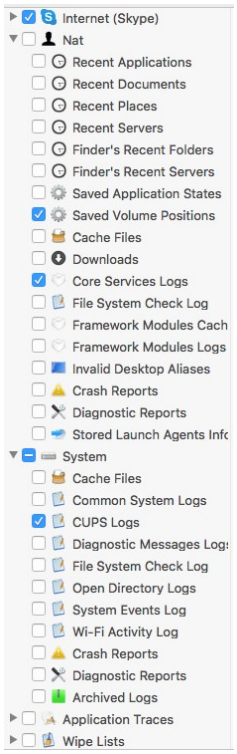

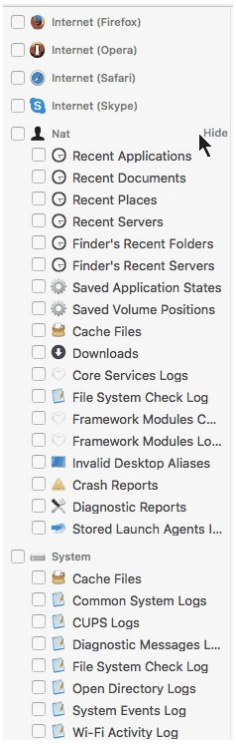

More information on the menu items...

R-Wipe&Clean	Preferences: Opens the **Preferences** panel. Customize: Opens the **Customize** panel.
View	Show Start Page: Shows the **R-Wipe & Clean for Mac** start page Hide/View Toolbar: Turns the toolbar icons on and off Enter Full Screen: Switches **R-Wipe & Clean for Mac** into the full-screen mode.
Presets	Create New Preset: Creates a new preset (erase and clean preset) Schedule Preset: Set the selected preset to run at certain event or time Rename Preset: Renames the selected preset Delete Preset: Deletes the selected preset Delete All Presets: Deletes all existing presets

You may turn on and off the toolbar. Select **Toolbar** on the **View** menu.

Erasing and cleaning presets

How to:

Clean your private information from your computer: **Cleaning a Computer**
Erase a single file directly from Finder: **Erasing a File**.
Erase several files in a single erase preset: **Wipe Lists**.
Clean your computer, erase several files and folders, and unused disk space simultaneously: **Setting a Large Erase and Clean Preset**.

- **R-Wipe & Clean for Mac Overview**
- **Customization, Preferences, and Logging**

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- Cleaning a Computer
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III Customization, Preferences, and Logging

R-Wipe & Clean for Mac can process and display many items. Sometimes, you need not all of them. The **Customization** panel allows you to specify the items you need.

You may set default preferences and logging options on the **Preferences** panel. You may reach it by selecting **Preferences** on the **R-Wipe&Clean** menu:

General: panel styles and restoring default preferences.
Wiping: default preferences for wiping
Security: preferences for the superuser passwords.
Finder: preferences for **R-Wipe & Clean for Mac** integration into the **Finder** contextual menu.
Locked Traces: preferences for files and traces locked by an application or system process.
Warnings : preferences for displaying several warnings.
Log: preferences for program logging
Uninstall: actions that are necessary to perform to completely remove all files created by **R-Wipe & Clean for Mac**.

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3.1 Customization

You may set on the **Customize** panel which items that **R-Wipe & Clean for Mac** erases, deletes, or cleans will be visible on the **Sidebar**, and accessible to you.
You may clear the items you will never want to clean or erase. They will disappear from **Sidebar**. If you want to gain access to them again, select them once again.
R-Wipe & Clean for Mac automatically detects programs installed on your computer. Items not installed are dimmed.

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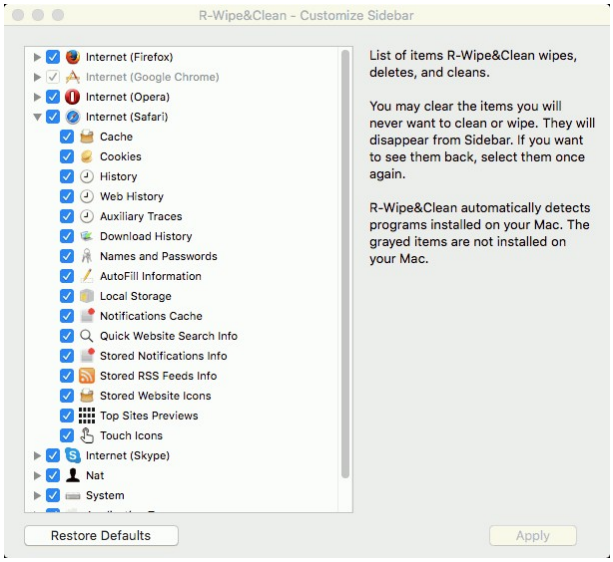
Customize panel



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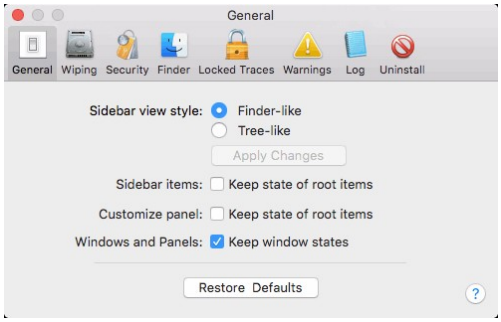
3.2 General

You may set default general preferences on the **General** tab of the **Preferences** panel.

General tab



Sidebar view styles

You may select the style used to display the sidebar.

Finder-like.

Tree-like.

You may collapse/expand some sections in the bar.

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Positions and items on Sidebar and Customization

Sidebar items: Keep state of root items	When enabled, it keeps the position of the sections on **Sidebar**.
Customize panel: Keep state of root items	When enabled, it keeps the position of the sections on the **Customize** panel.
Windows and Panels	When enabled, it keeps the position of the Main panel and the **Log** and **Customize** windows.

You may delete and reset all your preferences by clicking the **Restore Default** button.

3.3 Wiping

Please note that file wiping makes sense only for HDD devices. See the **File Erasure on SSD and HDD devices** page for more details.

Wiping tab

Wipe files before deleting: Select this option if you want **R-Wipe & Clean for Mac** wipe files before deleting to make their recovery impossible. This increases security, but also increases cleaning time. If the files are only deleted without wiping, they may be later recovered using any file unerase or recover utility.
If this preference is selected, the word **Delete** on various buttons changes to **Wipe** .

Wiping Algorithms

Currently **R-Wipe & Clean for Mac** supports 5 wiping algorithms:

Zeroes	The file is filled with zeroes through 1 pass. The fastest but the least secure algorithm. Also it does not conceal the fact that the disk or file has been wiped.
Pseudo-random numbers	The file is filled with pseudo-random numbers through 1 pass. A slower but little bit more secure algorithm than the **Zeroes** algorithm and it also conceals to some degree the fact that the disk or file has been wiped.
DoD 5220.22-M(3)	The file is wiped using Department of Defense standard 5220.22-M(3). Provides high-grade data wiping by filling the file with a special digital pattern through 3 passes This algorithm is very secure, but slow.
DoD 5200.28-STD(7)	The file is wiped using Department of Defense standard 5200.28-STD(7). Provides high-grade data wiping by filling the file with a special digital pattern through 7 passes. This algorithm is very secure, but very slow.
Peter Gutmann (35)	The file is wiped using the Peter Gutmann's algorithm. Provides high-grade data wiping by filling the file with a special digital pattern through 35 passes. This algorithm is military-level secure, but horribly slow.

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What algorithm is to choose, depends on your specific needs. All of these wiping algorithms make recovery of wiped data with any software-based data recover utility impossible. So if you want to protect your information from a casual snooper, you may safely choose either the **Zeroes** or **Pseudo-random numbers** algorithm. The latter also conceals the fact that you wiped the data.

If you want more security, you need to know the following:

There are some techniques for recovery of wiped data. These techniques are based on the fact that magnetic medium on the hard drive's platters "store" some information about previously written data. Such information cannot be completely removed. Wiped data may be recovered even from mechanically damaged platters. So the only safe way to completely remove data from a hard drive is to mechanically grind the magnetic medium off the drive platters or dissolve them in special chemical solvents.

But in order to recover the wiped data using one of these techniques, a hard drive must be disassembled, its platters placed in a precise magnetic field measurement system, and the results of such measurement statistically processed. All that is very expensive and requires a very qualified and experienced personnel and a specially developed equipment. Only a very advanced organization such as a law enforcement or intelligence agency of a developed nation, or a special high-tech firm can afford this. Moreover, each successive wiping pass makes such data recovery much and much harder. So, the **DoD 5220.22-M(3)** clearing and sanitizing standard overwriting the data with a special pattern through 3 passes is a rather reliable and safe choice for this case.

If you need the ultimate security, use the **DoD 5220.22-M(7)** clearing and sanitizing standard, or even the **Peter Gutmann (35)** wiping algorithm. They render data almost unrecoverable, but they are extremely slow.

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3.4 Security

You may set some security preferences on this tab.

Security tab

Ask for superuser password Save superuser password	You need to provide the superuser password every time **R-Wipe & Clean for Mac** tries to clean system traces. You may make the program to store the password for not entering it every time. Moreover, if you mark some system item in a scheduled Preset, **R-Wipe & Clean for Mac** will ask you select Save superuser password and enter the password. **R-Wipe & Clean for Mac** will warn you if you enter a wrong superuser password.

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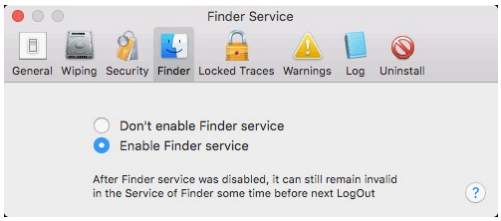
3.5 Finder

You may turn the **Wipe with R-Wipe & Clean** command in the contextual menu to erase files directly from Finder.

Finder tab



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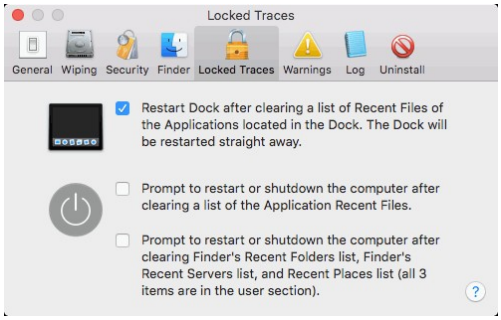
3.6 Locked Traces

You can set actions that will perform for traces and files locked by an application or system process.

Locked Traces tab



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3.7 Warnings

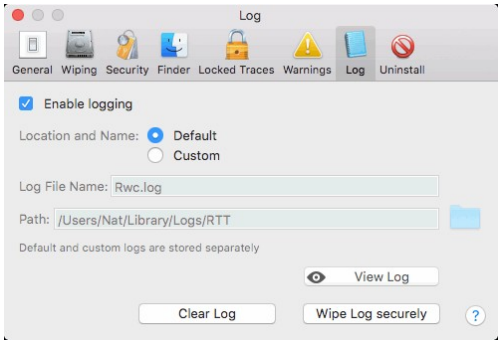
You may turn some warnings in the **Wipe with R-Wipe & Clean** on and off.

Warnings tab

3.8 Log

You may set preferences for logs of **R-Wipe & Clean for Mac**. You may also securely delete the log.

Log tab



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3.9 Uninstall

R-Wipe & Clean for Mac creates some auxiliary files that can be removed before program uninstall. You may perform some actions to do that.

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Services tab

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IV Erasing and Cleaning

It is incredible how much your personal information may be found in your computer. Actually, your Mac is the best spy on you. It is constantly logging, quietly and accurately, each program you started, document you opened, music or movie you played, each web site you visited, even each printer or other peripheral device you attached. Moreover, it also constantly makes "temporary" copies of any opened file, and not always it erases them when you are through with that file. Contents of deleted files remain on hard drives and can be easily brought back using inexpensive and easily available data recovery utilities. Anyone who can snoop into your computer could make quite an exact profile of you. Such snooping can be made even remotely when you are on the Internet.

To make the things worse, there is no built-in system routines that might clean all those records and links. On the contrary, macOS does everything possible to keep all that data as long as possible. That is why you need to use **R-Wipe & Clean for Mac** to protect yourself from such snooping.

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4.1 File Erasure on SSD and HDD devices

Delete vs Wipe

There are two distinguishably different ways of how computer systems erase files:

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Deletion: The system marks the file as "not needed" anymore. macOS also removes all information about that file, including its name, time stamps, and other file attributes. But the file data remains untouched, which makes file recovery quite possible by applicable file recovery software, usually inexpensive and easily available.

Wiping: a wiping utility overwrites file information and data with a special data pattern and thus makes file recovery impossible. No file recovery utility can do that when a correct file wiping procedure is applied.

Wiping files on modern Macs

Most modern Macs have SSD devices rather than HDD ones as their prime data storages. HDD and SSD devices work completely differently, but the most important difference for us now is whether files can be irrecoverably wiped out on those devices.

HDD devices:

An HDD device keeps file data always on the same physical and logical place which is known to the OS and, through it, to any software. Only the OS can move files across the device, and it's aware where and when it moved their data. Wiping makes sense for an HDD device, as the new data can be written exactly to the same place where the old data was stored. It becomes completely and irrecoverably destroyed, and its recovery is impossible. See more about file wiping algorithms oi the **Wiping** section.

SSD devices:

An SSD device constantly shuffles the file data across its cells to level their wear, and only the device itself knows where the file data is stored at a certain time. The OS has no control over this process, and moreover, it has no means to know the actual location of the data. Using the TRIM command It regularly informs the SSD device that some blocks of data are not needed anymore. The SSD device marked the cells occupied by those blocks as "free" to internally wipe them later.

Therefore, file wiping by the OS or third-party software makes no sense for SSD devices, as the new data cannot be written to the same cells where the old data was stored. Most likely it will be written to other cells and the old data will remain untouched.

Eventually, the file data will be wiped out by the SSD device itself. But the main problem is when that will happen. Depending on many circumstances, it may take from several seconds to several days. Within this time, the file data will remain stored on the SSD device, and can be obtained by those how know how to do that. The good thing though is that practically only the SSD manufacturer has such knowledge, and they keep it as the top-most secret. They are very reluctant to reveal that information even to law enforcement agencies, but they can extract such data themselves, for example, under a court order.

There's also the bad thing though: there are some chances that advanced computer hackers can obtain such information through reverse engineering, although it's highly unlikely that they will do that for an ordinary computer user.

And the last. Do not confuse erasing of particular files on an SSD device with the Erase procedure that irrecoverably destroys ALL DATA on the SSD device making it fully blank.

You may erase a single file selecting **Wipe with R-Wipe&Clean** on the Finder contextual menu, or several files and folders on the **Wipe Lists** panel.

The default wiping preferences may be set on the **Wiping** tab of the **Preferences** panel.

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4.1.1 Erasing Files

Attention! Once wiped, a file cannot be restored! No macOS or third-party data recovery utility can do this!

Erasing a Single File (or Several Files in a Folder)

You do not have to start **R-Wipe & Clean for Mac** to erase and delete a single file (or several files in a folder). You may do this from **Finder**. Make sure that you have the **Enable Finder service** check box selected on the **Finder** tab.

To erase a file,

- Control-click the file in Finder and select **Erase with R-Wipe&Clean** on the contextual menu, or
  Select **Erase with R-Wipe&Clean** on the **Finder's Services** menu item, or
  Drag the file to the Dock icon of **R-Wipe&Clean** (if the program is running or kept in Dock),

The **Confirm deleting and wiping** dialog box will appear.

- Click the **Wipe/Delete these files/folders** button, and **R-Wipe & Clean for Mac** will erase the file with default wiping preferences.

Erasing Many Files at Once

If you want to erase several files at once, go to the **Wipe Lists** section for details.

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4.1.2 Wipe Lists

Attention! Once wiped, a file cannot be restored! No macOS or third-party data recovery utility can do this!

You may specify files and folders that will be erased through a single erase preset on the **Wipe Lists** panel. Moreover, you may store such ***wipe lists*** to retrieve them and erase later. You may also include wipe lists into a large erasing and cleaning preset. Go to the **Setting a Large Erase and Clean Preset** section for details.

Some programs have their own temporary or scratch folders. It is wise to have them included in such wipe lists if you want to completely erase all temporary data from such programs.

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Managing and erasing wipe lists

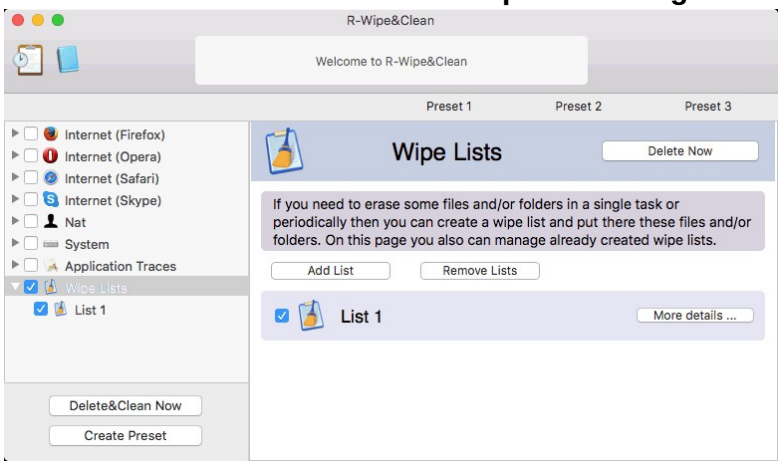
To create a new wipe list,

- In **Sidebar**, select **Wipe Lists**
- Click the **Add List** button on the **wipe list management** buttons.

A **New List 1** will appear in the right pane.

You may rename the wipe list. Click the **More details** button, select the list name and enter a new one.

Wipe list management buttons



To erase a single wipe list,

- In **Sidebar**, click the required wipe list

Contents of the selected wipe list will appear in the **right pane**.

- Click the **Delete&Clean Now** button.

  If the **Wipe files before deleting** check box is selected on the **Wiping** tab of the **Preferences** panel, the **Delete&Clean Now** button changes its name to **Wipe&Clean Now**, and the word **Wipe** appears on the buttons for individual traces. The files will be wiped.

R-Wipe & Clean for Mac will start erasing the wipe list.

To erase several wipe list,

- In the **Sidebar**, click **Wipe Lists.**
- Select the required wipe lists.
- Click the **Wipe Now**button.

R-Wipe & Clean for Mac will start erasing the wipe list and the **Wiping Wipe Lists** dialog box will appear.

To remove a wipe list,

- In **Sidebar**, click **Wipe Lists**
- Select the lists you want to remove.
- Click the **Remove List** button on the **wipe list management** buttons.

A **Do you really want to remove list...** dialog box will appear.

- Click the **Yes** button.

R-Wipe & Clean for Mac will remove the wipe list.

Managing files/folders in wipe lists

You may add a single file by dragging and dropping it to the **Wipe List** panel.

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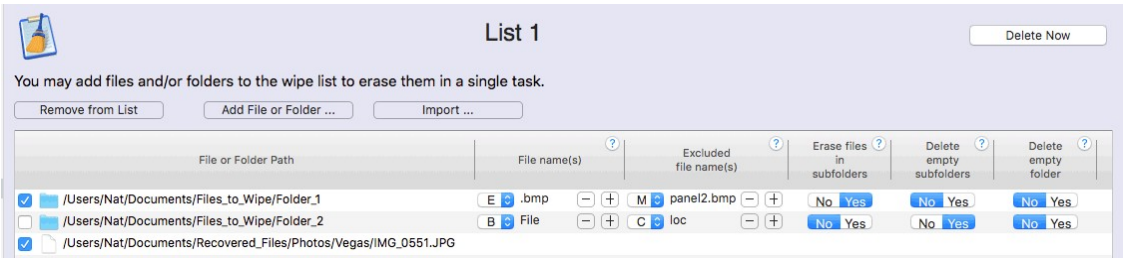
You may add/remove files and folders to/from the list using the **Add File or Folder** and **Remove from List** buttons.

Wipe List panel



File Name Patterns:

- / +	Deletes / adds a new file name pattern.
M	(Match) Applied to files which file names exactly match the string.
C	(Contain) Applied to all files which contain the string somewhere in their file names.
B	(Begin) Applied to all files which file names begin with the string.
E	(End) Applied to all files which file name ends with the string.

Subfolders

Erase files in subfolders	When set to **Yes**, it makes **R-Wipe & Clean for Mac** erase files in the subfolders within the selected folder.
Delete empty subfolders	When set to **Yes**, it makes **R-Wipe & Clean for Mac** delete empty subfolders within the selected folder.
Delete empty folder	When set to **Yes**, it makes **R-Wipe & Clean for Mac** delete the empty folder.

- **R-Wipe & Clean for Mac Overview**
- **R-Wipe & Clean for Mac Main Panel**
- **Customization, Preferences, and Logging**
- **Cleaning a Computer**
- **Erasing Presets and Scheduler**
-
- **Contact Information and Technical Support**

4.2 Cleaning a Computer

On-line Activity:

Your computer stores links to each web site visited by you in the `History` (or alike) folder of your browser. It also keeps contents, such as pictures, texts, flash movies, audio files, of the web pages visited by you. It also stores *cookies* from the web sites visited by you. Cookies are small files that web sites store on your computers for identification purposes. Web passwords and all other information you might enter filling web forms are also stored on your computer. Any snooper who has access to this information can easily tell where and when you have been, or how long you have been on a certain web site. Deleting internet cache and history will not help, as macOS stores such information in many, and not easily accessible, places. **R-Wipe & Clean for Mac** irrecoverably deletes such information and files.

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Personal data*, and *System traces:

Your computer stores links to all recently opened documents, started programs, recent places and servers, search results, etc. macOS and other programs store their cache files in special folders. Such cache files contain data from your permanent files. **R-Wipe & Clean for Mac** irrecoverably deletes such links and files.

Application Traces

You may also clean links to files open by a number of applications.

Default cleaning preferences may be specifically set on the **Wiping** tab of the **Preferences** panel.

- **R-Wipe & Clean for Mac Overview**
- **R-Wipe & Clean for Mac Main Panel**
- **Customization, Preferences, and Logging**
- **Erasing**
- **Erasing Presets and Scheduler**
-
- **Contact Information and Technical Support**

4.2.1 Cleaning Internet Activity

Please note that file wiping makes sense only for HDD devices. See the File Erasure on SSD and HDD devices page for more details.

You may clean your computer from many traces and links from your Internet activity that your computer stores in many places. You may include computer cleaning into a large erasing and cleaning preset. Go to the **Setting a Large Erase and Clean Preset** section for details.

R-Wipe & Clean for Mac automatically detects most popular internet browsers and shows them in its **Sidebar**. The list of items visible on the **Internet** panel can be edited on the **Customize** panel.

To clean traces of internet activity,

- In the **Sidebar**, select **the Internet** (with a required browser in parentheses)

The **Internet** panel appears in the right pane. Depending on the browser, the content of the **Internet** panel may vary.

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Internet (Safari) panel

- Select the required items and click the **Delete&Clean Now** button.
  If you only delete files on an HDD, they may be later recovered using any file unerase or recover utility. To make this impossible, you may set **R-Wipe & Clean for Mac** wipe files before deleting on the **Wiping** tab of the **Preferences** panel.
  If the **Wipe files before deleting** check box is selected on the **Wiping** tab of the **Preferences** panel, the **Delete&Clean Now** button changes its name to **Wipe&Clean Now**, and the word **Wipe** appears on the buttons for individual traces. The files will be wiped.

R-Wipe & Clean for Mac will start cleaning the computer

Some items require you to log out to complete the cleaning.

You may see the contents of any particular item on its respective panel in the right pane. Click **More details** on the **Internet** panel or select the item in the **Sidebar**.

More information on the Safari items...

Depending on your browser, individual items within this section may vary. As an example, below are those for the Safari browser.	
Cache	In this cache, your Safari browser keeps content, such as pictures, texts, flash movies, audio files, of all web pages visited by you . Click the **Delete Now** button to clear this cashe.

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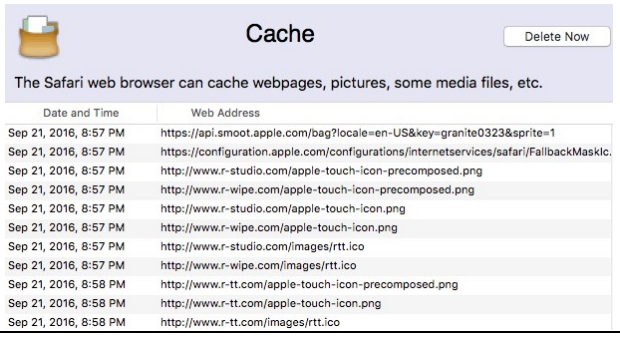
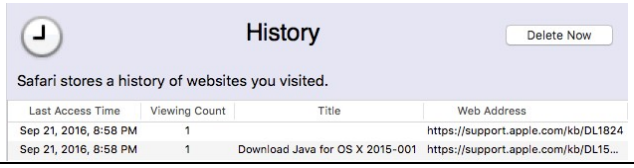
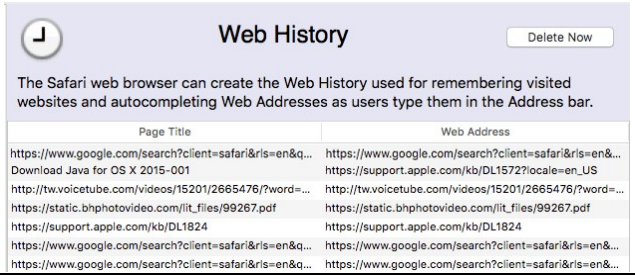
	
Cookies	Cookies are small files that web sites store on your computer for identification purposes. Click the **Delete Now** button to erase cookies files. If you do not want to delete cookies from your favorite sites move them to **Favorites** Double click a cookie to see its detailed information.
History	You computer stores links to each web site visited by you in this folder. Click the **Delete Now** button to clean the **History** items. 
Web History	Web History contains the list of visited websites to automatically complete web addresses while typing. Click the **Delete Now** button to clean the **Web History**. 
Auxiliary Traces	Web browsers stores some traces of its activity like last used folders. Click the **Clean Now** button to clean the **Auxiliary Traces**.

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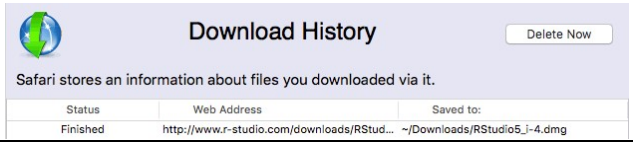
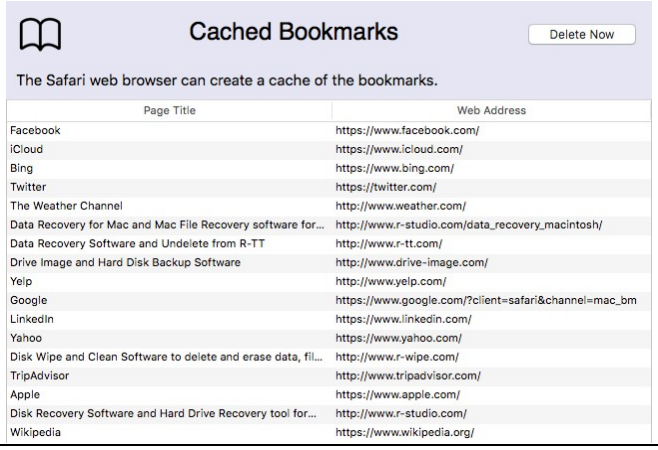
Download History	Web browsers store links to files you have downloaded using those browsers. Click the **Delete Now** button to clean the **Download History** folder 
AutoFill Information	Browsers can store text you entered in forms on webpages. Click the **Delete Now** button to clean the **AutoFill Information** folder.
Cached Bookmarks	Web browsers can store caches of their bookmarks. Click the **Delete Now** button to clean the **Cached Bookmarks**. 
Local Storage	Some web applications that you may viewed or worked with in the browser can store some data locally on your computer. Click the **Delete Now** button to clean the **Local Storage**.

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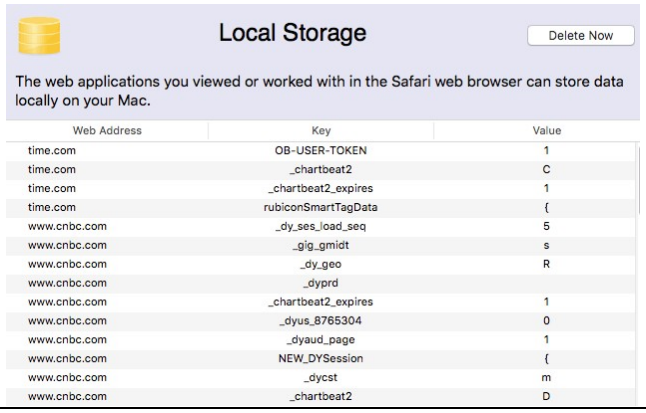
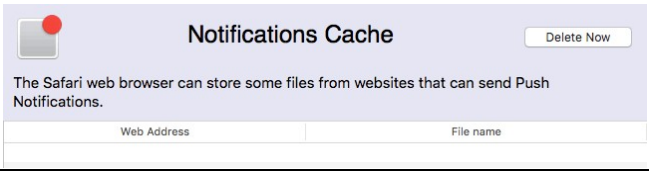
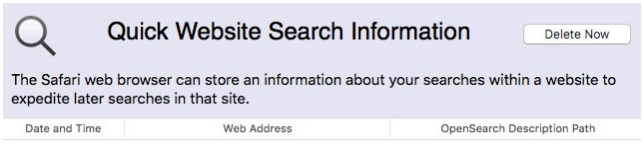
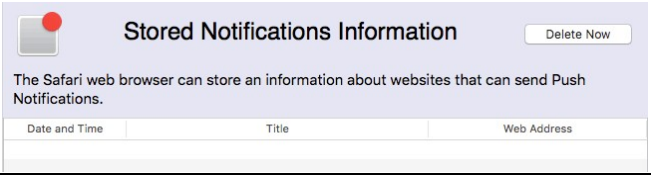
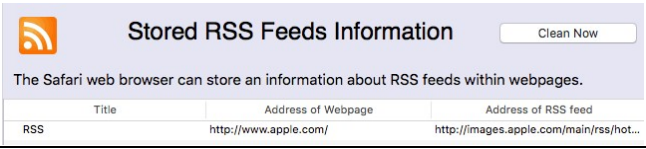
	
Notifications Cache	Your web browser can stores some files from websites that can send Push Notifications. Click the **Delete Now** button to erase Notifications Cache. 
Quick Website Search Information	Your web browser can store information about your searches within a website to accelerate later searchers in that site. Click the **Delete Now** button to erase **Quick Website Search Information**. 
Stored Notifications Information	Your web browser can store some information about websites that can send Push Notifications. Click the **Delete Now** button to delete **Stored Notifications Information**. 
Stored RSS Feeds Information	Your web browser can store some informaiton about RSS feeds within web pages. Click the **Clean Now** button to clean the **Stored RSS Feeds Informaiton**. 
Stored Website Icons	Your web browser can store website icons. Click the **Delete Now** button to erase stored website icons.

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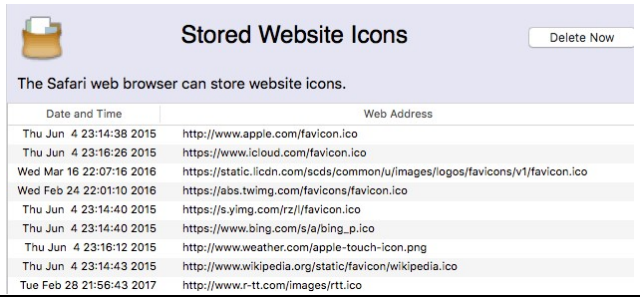
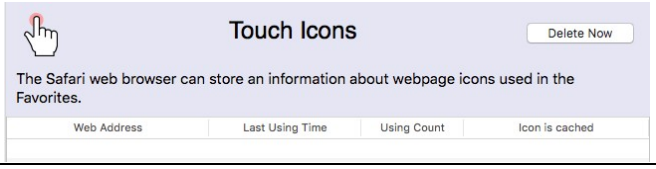
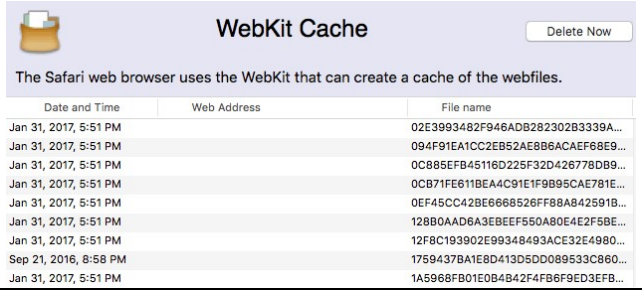
	
Top Sites Previews	Your web browser can create a cache of the Top Sites preview images. Click the **Delete Now** button to erase Top Sites Previews.
Touch Icons	Your web browser can store some information about webpage icons used in Favorites. Click the **Clean** button to clean the **Touch Icons** cache. 
WebKit Cache	Your Safari browser uses WebKit that can create its website cache. Click the **Delete Now** button to clean the **WebKit Cache** cache. 

Default cleaning preferences may be specifically set on the **Wiping** tab of the **Preferences** panel.

- **R-Wipe & Clean for Mac Overview**
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- **Customization, Preferences, and Logging**
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- **Erasing Presets and Scheduler**

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-
- Contact Information and Technical Support

4.2.2 Cleaning Personal Traces

Please note that file wiping makes sense only for HDD devices. See the File Erasure on SSD and HDD devices page for more details.

You may clean your computer from traces of your recent activity, such as recently opened documents, cached files, recent applications, connected servers, various logs, etc.

You may include computer cleaning into a large erasing and cleaning preset. Go to the **Setting a Large Erase and Clean Preset** section for details.

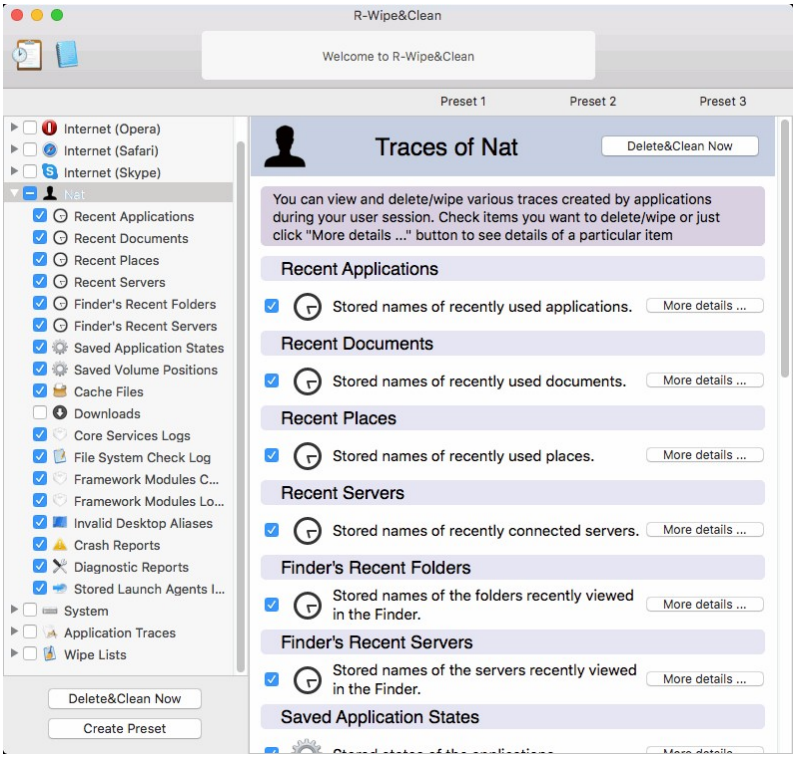
The list of items visible on the **System** panel can be edited on the **Customize** panel. These items are user-specific, their contents are individual for each user.

To clean traces of your activity,

- In the **Sidebar**, click **your login name**

The **Personal traces** panel appears in the right pane.

Personal traces panel



- Select the required items and click the **Delete&Clean Now** button.

Some items require you to log out to complete the cleaning.

If you only delete files on an HDD, they may be later recovered using any file unerase or recover utility. To make this impossible, you may set **R-Wipe & Clean for Mac** wipe files before deleting on the **Wiping** tab of the **Preferences** panel.

If the **Wipe files before deleting** check box is selected on the **Wiping** tab of the **Preferences** panel, the **Delete&Clean Now** button changes its name to **Wipe&Clean Now**, and the word **Wipe** appears on the buttons for individual traces. The files will be wiped.

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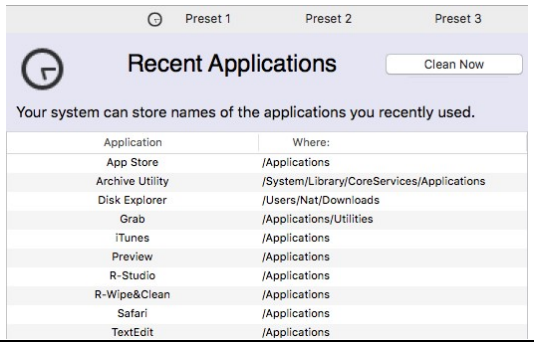
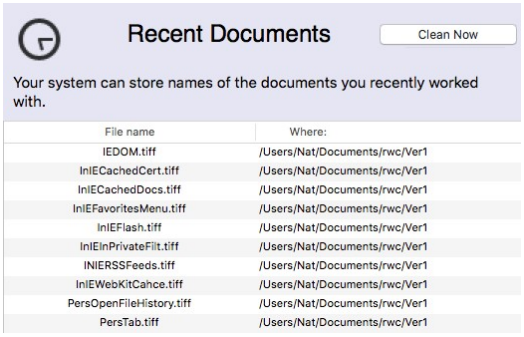
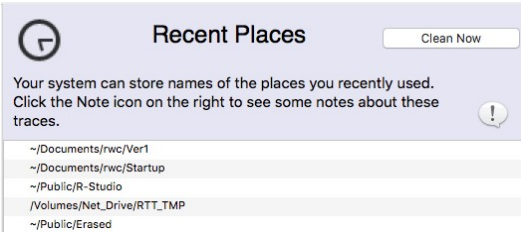
R-Wipe & Clean for Mac will start cleaning the computer.
Some items require you to log out to complete the cleaning.
You may see the contents of any particular item on its respective panel in the right pane. Click **More details** on the **User's** panel or select the item in the **Sidebar**.

More information on the items...

Recent Applications	Your system can store names of recently used applications. Click the **Clean Now** button to clear this list. 
Recent Documents	Your system can store names of recently used documents Click the **Clean Now** button to clear this list. 
Recent Places	Your system can store names of recently used places. Click the **Clean Now** button to clear this list.  The system keeps these traces locked until a system restart or shutdown. **R-Wipe & Clean for Mac** may suggest you to make a system restart or shutdown after removing these traces. Go to the **Preferences** and select the **Locked traces** tab.
Recent Servers	Your system can store names of recently connected servers. Click the **Clean Now** button to clear this list.

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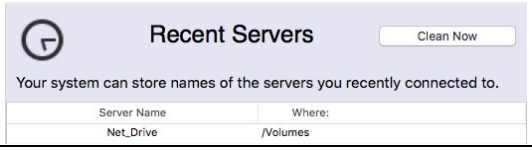
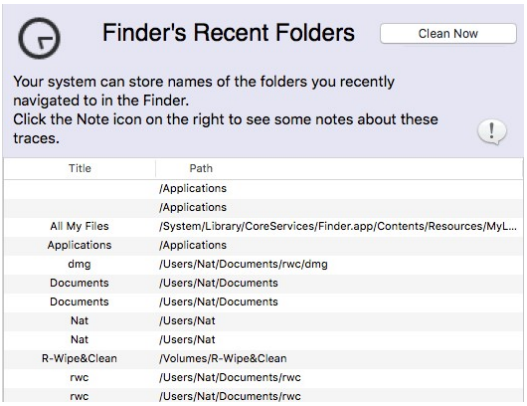
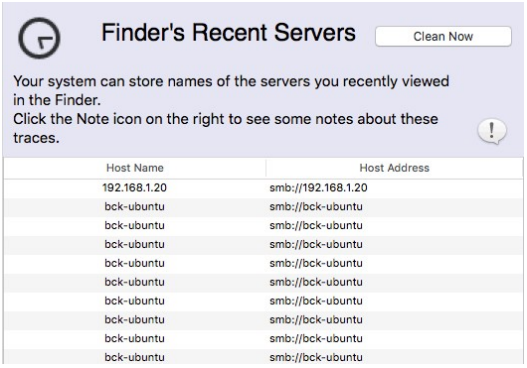
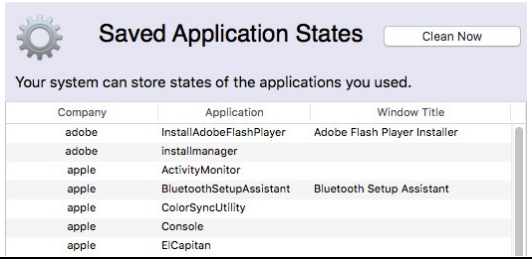
	
Finder's Recent Folders	Your system can store a list of folders you have recently navigated to in **Finder**. Click the **Clean Now** button to clear this list  The system keeps these traces locked until a system restart or shutdown. **R-Wipe & Clean for Mac** may suggest you to make a system restart or shutdown after removing these traces. Go to the **Preferences** and select the **Locked traces** tab.
Finder's Recent Servers	Your system can store names of servers recently connected in **Finder**. Click the **Clean Now** button to clear this list.  The system keeps these traces locked until a system restart or shutdown. **R-Wipe & Clean for Mac** may suggest you to make a system restart or shutdown after removing these traces. Go to the **Preferences** and select the **Locked traces** tab.
Saved Application States	Your system can store the states of used applications. Click the **Clean Now** button to clear this list. 
Saved Volume Positions	Your system can store information about the positions of volumes recently connected to your computer.

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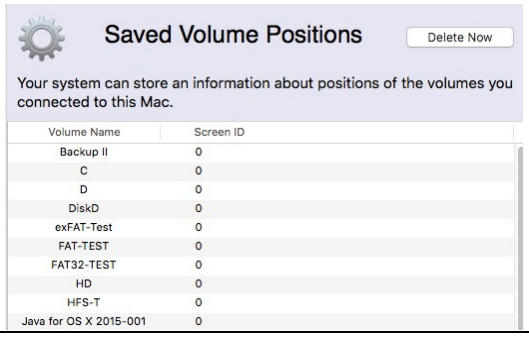
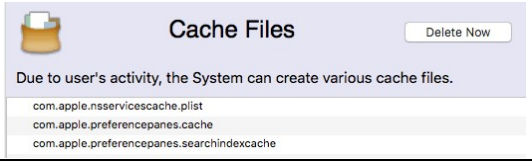
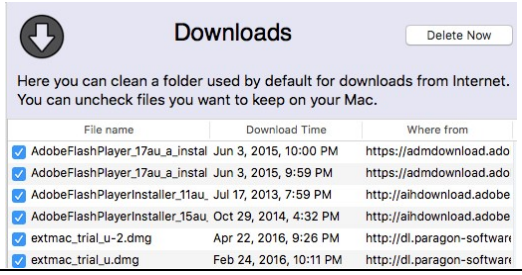
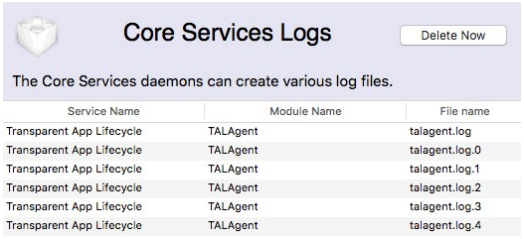
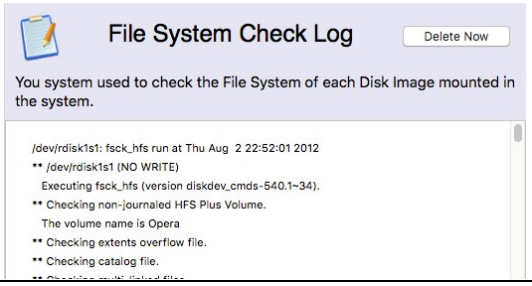
	Click the **Clean Now** button to clear this list. 
Cache Files	Your system can store various cache files. Click the **Delete Now** button to clear this list. 
Downloads	This tab deletes files from the default Downloads folder. Clear the files that you want to keep in this folder. Click the **Delete Now** button to clear this list. 
Core Services Logs	Log files created by Core Services daemons. Click the **Delete Now** button to clear this list. 
File System Check Log	Log of file system checks for disk images mounted in your system. Click the **Delete Now** button to clear this list. 

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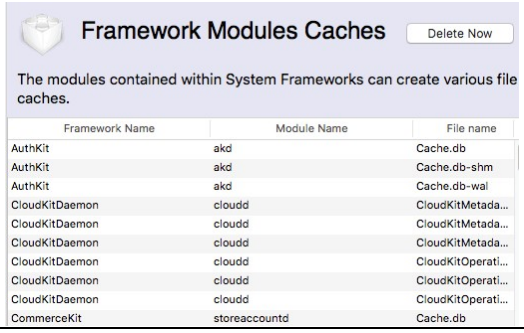
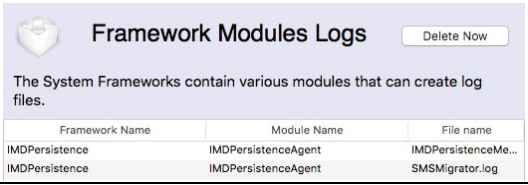
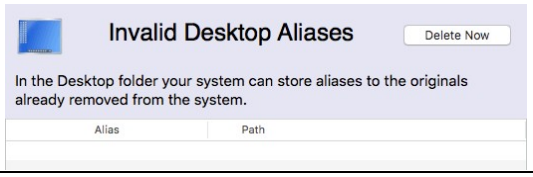
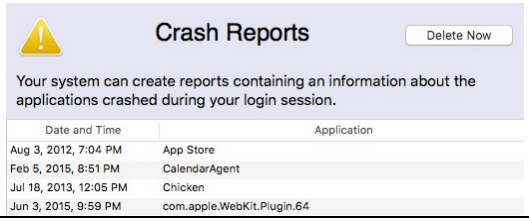
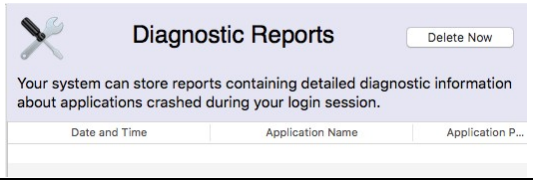
Framework Modules Caches	Caches created by System Framework modules. Click the **Delete Now** button to clear this list. 
Framework Modules Logs	Log files created by System Framework modules. Click the **Delete Now** button to clear this list. 
Invalid Desktop Aliases	In the Desktop folder, you system can store aliases of originals that have been already removed from your system. Click the **Delete Now** button to clear this list. 
Crash Reports	Your system can create reports with the information about applications crashed during your login session. Click the **Delete Now** button to clear this list. 
Diagnostic Reports	Your system can store reports containing detailed diagnostic information about applications crashed during your login. Click the **Delete Now** button to clear this list. 
Stored Launch Agents Information	Your system can store some information about Launch Agents that have been removed from your system. Click the **Delete Now** button to clear this list.

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	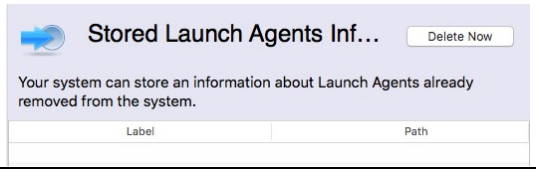

Default cleaning preferences may be specifically set on the **Wiping** tab of the **Preferences** panel.

- **R-Wipe & Clean for Mac Overview**
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- **Contact Information and Technical Support**

4.2.3 Cleaning System

Please note that file wiping makes sense only for HDD devices. See the File Erasure on SSD and HDD devices page for more details.

Your may clear various system traces such as cached files, various logs, and system history. You may see the contents of any particular item on its respective panel.

You may also include computer cleaning into a large erasing and cleaning preset. Go to the **Setting a Large Erase and Clean Preset** section for details.

The list of items visible on the **System** panel can be edited on the **Customize** panel.

To clean traces of system activity,

- In the **Sidebar**, click the required wipe list
  The **System** panel will appear in the right pane.

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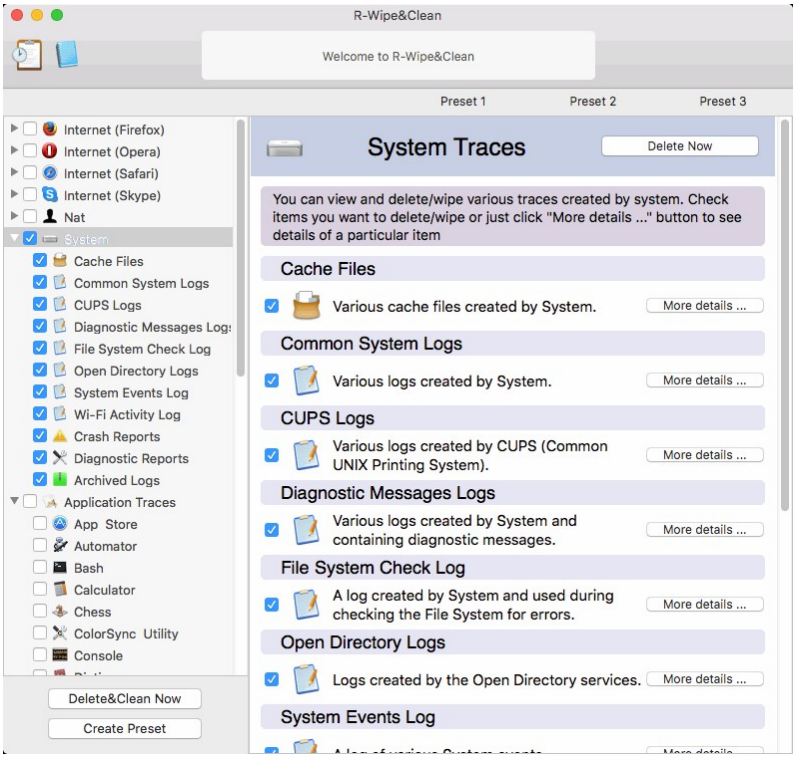
System panel



- Select the required items and click the **Delete Now** button.

  If you only delete files on an HDD, they may be later recovered using any file unerase or recover utility. To make this impossible, you may set **R-Wipe & Clean for Mac** wipe files before deleting on the **Wiping** tab of the **Preferences** panel.

  If the **Wipe files before deleting** check box is selected on the **Wiping** tab of the **Preferences** panel, the **Delete Now** button changes its name to **Wipe Now**, and the word **Wipe** appears on the buttons for individual traces. The files will be wiped.

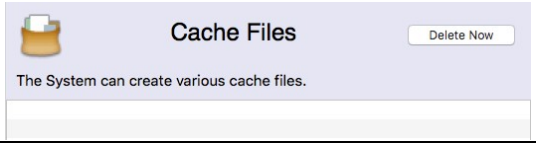
R-Wipe & Clean for Mac will start cleaning the computer.

Some items require you to log out to complete the cleaning.

Default cleaning preferences may be specifically set on the **Locked Traces** tab of the **Preferences** panel.

You may see the contents of any particular item on its respective panel in the right pane. Click **More details** on the **System** panel or select the item in the **Sidebar**.

More information on the items...

Cache Files	Your system creates various cache files. Click the **Delete Now** button to erase these caches. 
Common System Logs	Your system creates various system logs. Click the **Delete Now** button to erase these logs.

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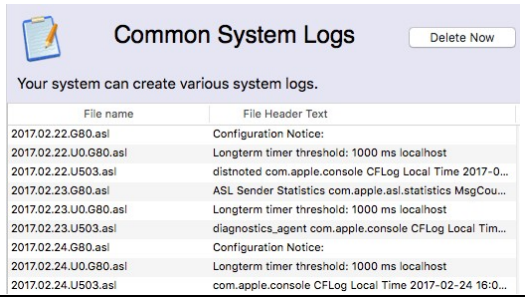
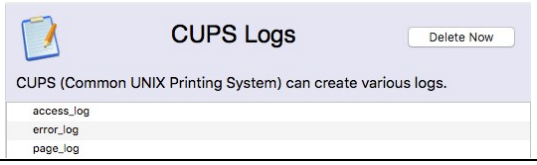
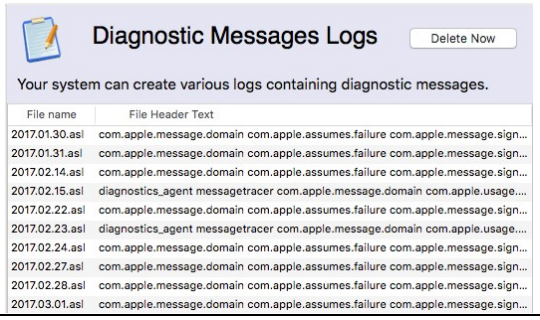
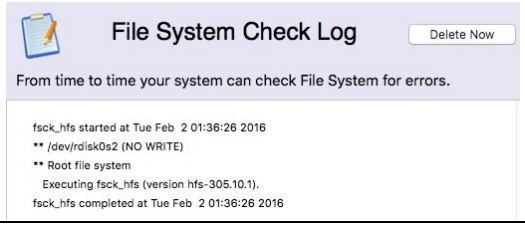
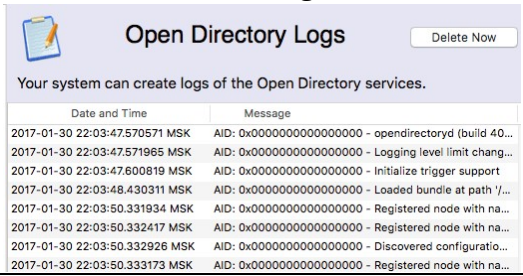
	
CUPS Logs	The Common UNIX Printing System (CUPS) in your system creates various logs. Click the **Delete Now** button to erase these logs. 
Diagnostic Messages Logs	Your system creates various logs with diagnostic messages. Click the **Delete Now** button to erase these logs. 
File System Check Log	This log contains the results of error checks for mounted file systems. Click the **Delete Now** button to erase this log. 
Open Directory Logs	Your system creates logs of the Open Directory. Click the **Delete Now** button to erase these logs. 
System Events Log	Your system creates a system event log. Click the **Delete Now** button to erase this log.

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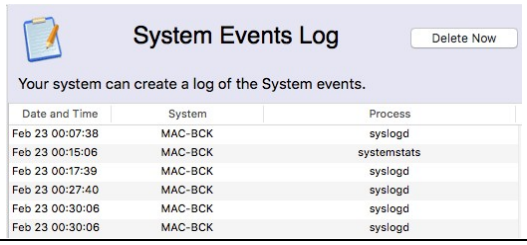
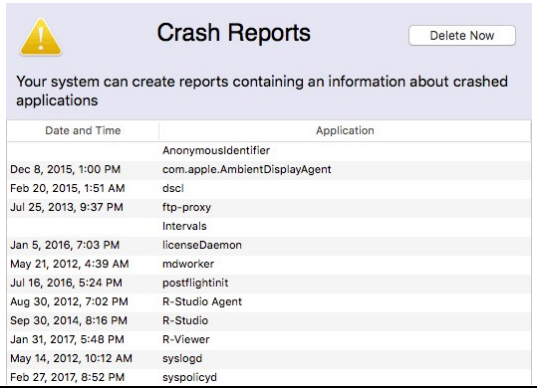
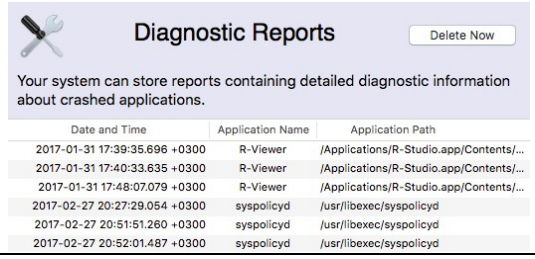
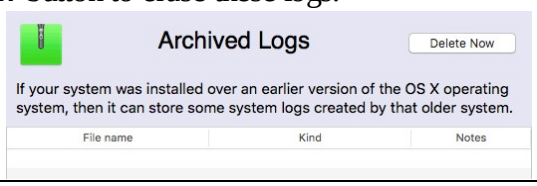
	
Wi-Fi Activity Log	Your system creates a Wi-Fi Activity Log Click the **Delete Now** button to erase this log.
Crash Reports	Your system creates and collects reports about crashed applications Click the **Delete Now** button to erase these reports. 
Diagnostic Reports	Your system creates and collects diagnostic reports about crashed applications Click the **Delete Now** button to erase these reports. 
Setup Logs	If your system was installed over an earlier OS, your system may keep archived logs created by that previous OS. Click the **Delete Now** button to erase these logs. 

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- R-Wipe & Clean for Mac Overview
- R-Wipe & Clean for Mac Main Panel
- Customization, Preferences, and Logging
- Erasing
- Erasing Presets and Scheduler
-
- Contact Information and Technical Support

4.2.4 Cleaning Application Traces

Please note that file wiping makes sense only for HDD devices. See the File Erasure on SSD and HDD devices page for more details.

You may clear a list of recent files opened by a number of applications.

You may also include computer **Application Traces** into a large erasing and cleaning preset. Go to the **Setting a Large Erase and Clean Preset** section for details.

The list of items visible on the **Application Traces** panel can be edited on the **Customize** panel.

To clean links to files recently opened by a number of applications,

- In the **Sidebar**, click the required wipe list

The **Application Traces** panel will appear in the right pane.

Application Traces panel

- Select the required items and click the **Delete&Clean Now** button.

If you only delete files on an HDD, they may be later recovered using any file unerase or recover utility. To make this impossible, you may set **R-Wipe & Clean for Mac** wipe files before deleting on the **Wiping** tab of the **Preferences** panel.

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If the **Wipe files before deleting** check box is selected on the **Wiping** tab of the **Preferences** panel, the **Delete&Clean Now** button changes its name to **Wipe&Clean Now**, and the word **Wipe** appears on the buttons for individual traces. The files will be wiped.

R-Wipe & Clean for Mac will start cleaning the computer.

You may see the contents of any particular item on its respective right pane. Click **More details** on the **Application Traces** panel or select the item in the **Sidebar**.

Default cleaning preferences may be specifically set on the**Wiping** tab of the **Preferences** panel.

- R-Wipe & Clean for Mac Overview
- R-Wipe & Clean for Mac Main Panel
- Customization, Preferences, and Logging
- Erasing
- Erasing Presets and Scheduler
-
- Contact Information and Technical Support

V Erasing Presets and Scheduler

You may specify a large erasing and cleaning preset, which may include cleaning your computer from any internet and document links, and one or several wipe lists. You may start this preset immediately or set a special time when this preset will be started automatically. Click on the **Schedule** button to start the scheduler.

- Creating a Large Erase and Clean Preset
-
- Using Scheduler

- R-Wipe & Clean for Mac Overview
- R-Wipe & Clean for Mac Main Panel
- Customization, Preferences, and Logging
- Erasing
- Cleaning a Computer
-
- Contact Information and Technical Support

5.1 Creating a Large Erase and Clean Preset

You may specify a large erasing and cleaning preset, which may include cleaning your computer from many internet traces, document links, file caches, various links, and one or several wipe lists.

To set a large erasing and cleaning preset,

- In the **Sidebar**, mark the items you want to erase and clean and click the **Delete&Clean Now** button.
  You may see the contents of any particular item on its respective panel on the right pane.
  If the **Wipe files before deleting** check box is selected on the **Wiping** tab of the **Preferences** panel, the **Delete&Clean Now** button changes its name to **Wipe&Clean Now**, and the word **Wipe** appears on the buttons for individual traces. The files will be wiped.

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R-Wipe & Clean for Mac will start cleaning the computer.

You may create a Preset for such preset. Click the Create Preset button to do so.

Managing Existing Erase and Clean Presets

You may manage presets using the **Presets** menu.
You may create new presets, schedule, rename, and delete them.

You may set erasing and cleaning preferences for this preset on the **Preferences** panel.
Some items require you to log out to complete the cleaning.

- **R-Wipe & Clean for Mac Overview**
- **R-Wipe & Clean for Mac Main Panel**
- **Customization, Preferences, and Logging**
- **Erasing**
- **Cleaning a Computer**
-
- **Contact Information and Technical Support**

5.2 Using Scheduler

You may set a large erase and clean preset to run at a specified time or event. You may have several such presets, each starting at its own time or event.

Creating a Large Erase and Cleaning Preset at a Specified Time or Event

Create a new large erase and clean preset,

- Click the **Create Preset** button in the **Sidebar**, or
  Select **Create New Preset** on the **Presets** menu.

A new preset will be created

.Schedule the new preset at a certain time or event,

- Click the **Presets** menu and select **Schedule Preset.**
- Set the necessary time or event.
- Select the **Schedule** option.

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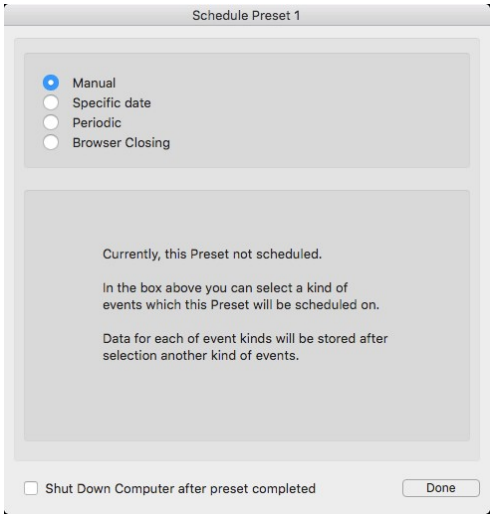
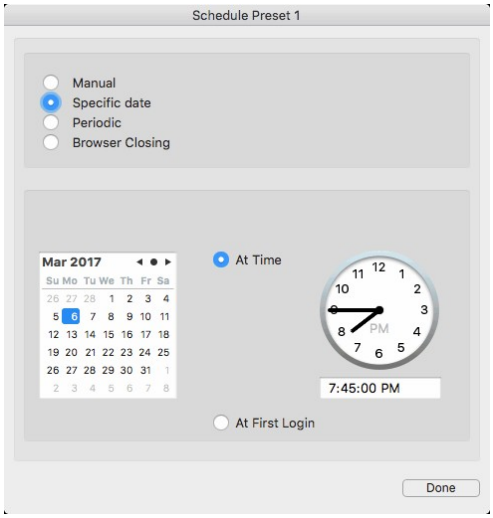
Manual
Manual



At a specific date (on time or login)
Specific date



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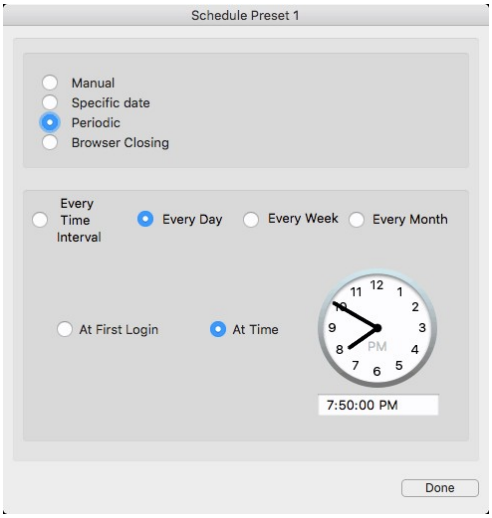
Periodic

Periodic (Every day at a certain time)

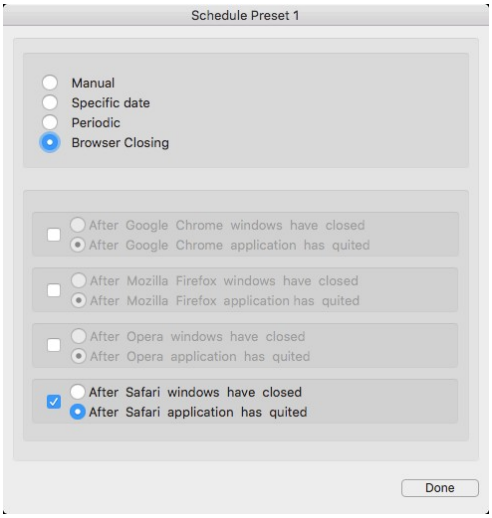


Time or event

Depending on the specified time or event, the fields Date and Time may change their names		
Every	The erase and clean preset will start at a specified event:	
	Time	Each specified time interval
	Day	At a specified time or the first system startup
	Week	Each weekday at a specified time or the first system startup
	Month	Each month day at a specified time or the first system startup

Browser closing

Browser closing (Safari)



Select the necessary browser.

- If necessary, set erasing and cleaning preferences on the **Preferences** panel.

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Managing Existing Erase and Clean Presets

The existing presets appear in the upper right corner of the **R-Wipe&Clean for Mac** right pane. You may select the preset by clicking it.

To start an existing erasing and clean preset manually,

- Control-click the preset and select **Run Preset** on the contextual menu.

R-Wipe&Clean for Mac will start cleaning the computer.

To edit an existing erasing and clean preset,

- Click the preset in the **Presets** list on the upper right corner of the **R-Wipe&Clean for Mac** right pane.

The preset will appear in the left pane.

- Make the necessary changes.

To remove an existing erasing and clean preset,

- Control-click the preset in the **Presets** list on the upper right corner of the **R-Wipe&Clean for Mac** right pane and select **Delete** on the contextual menu.

The **Remove preset** dialog box will appear.

- Click **Yes** to confirm deleting the preset.

or

- Select the preset and select **Remove Preset** on the **Presets** menu.

To disable an existing erasing and clean preset,

- Control-click the preset, select **Schedule** on the contextual menu, and then **Manual** on the **Schedule** tab, or Select the preset, select **Schedule Preset** on the **Presets** menu, and then **Manual** on the **Schedule** tab.

To rename an existing erasing and clean preset,

- Click and hold the mouse over the preset for about one second and enter a new preset name, or Select the preset, select **Rename Preset** on the **Presets** menu, and then enter a new preset name.

- **R-Wipe & Clean for Mac Overview**
- **R-Wipe & Clean for Mac Main Panel**
- **Customization, Preferences, and Logging**
- **Erasing**
- **Cleaning a Computer**
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- **Contact Information and Technical Support**

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