

# User's Manual

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## R-Wipe & Clean

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# I R-Wipe & Clean Overview



**R-Wipe & Clean** is a complete solution to remove useless files and keep your computer privacy. Irretrievably deletes private records of your on- and off-line activities, and free up your disk space. Removes files and unused disk space using either fast or secure erase algorithms. All files and folders may be combined in wipe lists to erase them in a single procedure. Supports both the FAT and NTFS [file systems](#). All separate wipe and clean tasks can be combined in one or more erasing procedures launched immediately or at predefined times or events as a background task.

[R-Wipe & Clean Classic](#)

[R-Wipe & Clean Touch](#)

## 1.1 System Requirements and Registration

### **System Requirements:**

- An Intel-compatible platform with a CPU at least 1.5 GHz;
- Windows 7 / 8.1 / 10 / 11 (32/64 bit) or Windows Server 2008 R2 / 2012 R1/R2 / 2019 / 2022 (64 bit);
- RAM: 1 GB or more;
- HDD space: 50 MB
- Screen resolution: 800x600

### **Registration:**

When **R-Wipe & Clean** is started by a standard user or Administrator without elevated privileges, it will be registered only for the current user.

Use an Administrator account with elevated privileges to register **R-Wipe & Clean** for all users on the computer.

## 1.2 Contact Information and Technical Support

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

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

Sales Department: [sales@r-tt.com](mailto:sales@r-tt.com)

The **R-Wipe & Clean** 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](mailto:support@r-tt.com)

Send your support request to: [http://www.r-tt.com/Support\\_request.html](http://www.r-tt.com/Support_request.html)

Data Security & Privacy FAQ: [http://www.r-tt.com/Data\\_Security\\_Privacy\\_FAQ.shtml](http://www.r-tt.com/Data_Security_Privacy_FAQ.shtml)

R-tt Forum: <http://forum.r-tt.com>

## 1.3 File Erasure on SSD and HDD devices

### **Delete vs Wipe**

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

**Deletion:** The system marks the file as "not needed" anymore, quite often it keeps information about that file, including its name, time stamps, and other file attributes may. And almost always 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 computers***

Most modern computers 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 on the [Wiping Algorithms](#) page.

#### **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 physical 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 hours to several days. Within this time, the file data will remain stored on the SSD device, and can be obtained by those who 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.

**R-Wipe & Clean** disables wiping files and free disk space on such devices by default. You may enable it, but you should understand what you are doing.

## **1.4 Wiping Algorithms**

[File wiping](#) is necessary only for files stored on conventional hard drives. Files stored on new [SSD storage devices](#) cannot be effectively wiped out due to the principles of operation of these devices. Read the [File Erasure](#)

[on SSD and HDD devices](#) page for more details. **R-Wipe & Clean** disables wiping files and free disk space on such devices by default. You may enable it, but you should understand what you are doing.

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

<b>Zeroes (000)</b>	The unused space or 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.
<b>Pseudo-random numbers (1010)</b>	The unused space or file is filled with pseudo-random numbers through 1 pass. A slower but little bit more secure algorithm than the <b>Zeroes</b> algorithm and it also conceals to some degree the fact that the disk or file has been wiped.
<b>DoD 5220.22-M(3)</b>	The unused space or file is wiped using Department of Defense standard 5220.22-M(3). Provides high-grade data wiping filling the unused space or file with a special digital pattern through 3 passes This algorithm is very secure, but slow.
<b>DoD 5200.28-STD(7)</b>	The unused space or file is wiped using Department of Defense standard 5200.28-STD(7). Provides high-grade data wiping filling the unused space or file with a special digital pattern through 7 passes. This algorithm is very secure, but very slow.
<b>Peter Gutmann (35)</b>	The unused space or file is wiped using the Peter Gutmann's algorithm. Provides high-grade data wiping filling the unused space or file with a special digital pattern through 35 passes. This algorithm is military-level secure, but horribly slow.

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 [forensic](#) 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.

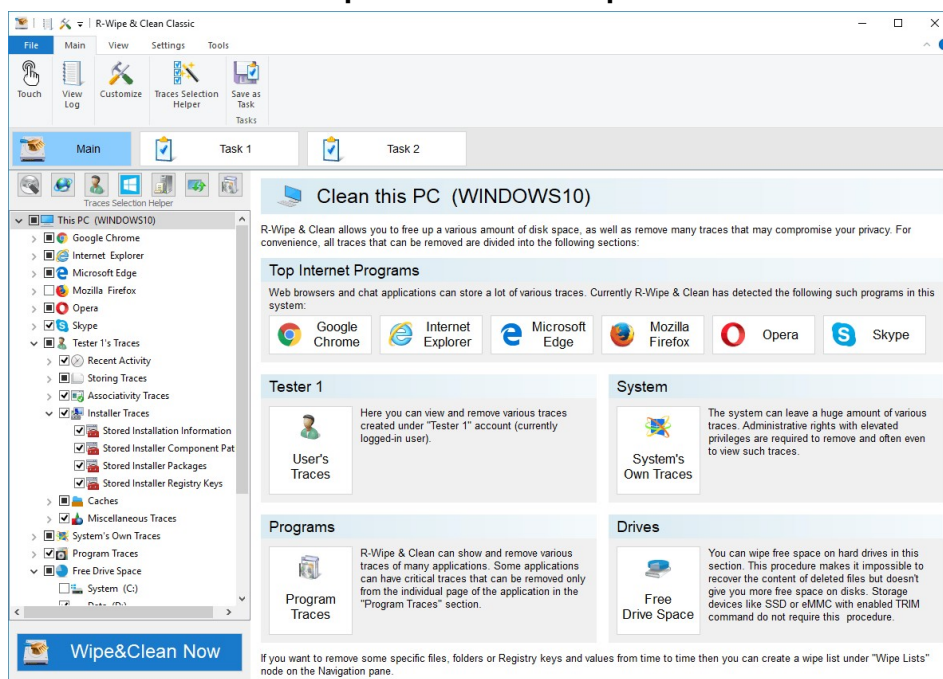
If you need the ultimate security, use the **DoD 5220.22-M(7)** clearing and sanitizing standard, or even the **Peter Gutmann (35)** wiping algorithm. They render data almost unrecoverable, but they are extremely slow.

## II Classic Interface: Main Panel

**Note:** Some operations, such as [wiping a file](#), [wiping and deleting the contents of the Recycle Bin](#), or [wiping free space](#) on a single disk, can be performed directly from the shortcut menu without starting **R-Wipe & Clean**.

When **R-Wipe & Clean** starts, its main panel appears. You may [customize R-Wipe & Clean](#) to view only necessary items.

### R-Wipe & Clean's main panel



#### More information on the menu items..

Main	<p>Touch: Switches to the Touch interface (suitable for touch screen device).</p> <p>View Log: Shows and saves the <a href="#">Log file</a></p> <p>Customize: <a href="#">Customizes R-Wipe &amp; Clean</a></p> <p>Traces Selection Helper: <a href="#">Helps to select traces to clean</a></p> <p>Save as Task: Saves the selected items in the Tree as a <a href="#">large single wipe &amp; clean task</a></p>
View	Shows/hides various program controls
Settings	Gives access to various <a href="#">program settings</a>
Tools	<p>Boss Key: Sets the <a href="#">Boss Key</a> for various Internet applications.</p> <p>R-Wipe &amp; Clean Smart: Starts an <a href="#">advanced tool to manage Wipe Lists</a>.</p> <p>File Streams Cleaner: <a href="#">Cleans file Alternative Data Streams</a>.</p> <p>Task Transfer: Starts <a href="#">task exchange</a> from one computer to another.</p> <p>Postponed Cleaning: Edits the list of items to clear on the next computer startup</p> <p>Startup renaming: Edits the list of <a href="#">items to rename</a> the next computer startup</p>

You may turn on and off the toolbar. Select/deselect **Minimized Ribbon** on the **View** menu.

#### Wipe and Clean Tasks

##### How to:

Clean your private information from your computer: [Cleaning a Computer](#)

Remove a single file directly from Windows Explorer: [Wiping a File](#).

Remove the contents of the **Recycle Bin**: [Wiping the Recycle Bin](#).

Remove several files in a single task: [Wipe Lists](#).

Wipe unused space on one disk: [Wiping Free Disk Space](#).

Wipe several disks at once [Wiping Free Disk Space](#).

Clean your computer, remove several files and folders, and wipe unused disk space simultaneously: [Setting a Large Wipe and Clean Task](#).

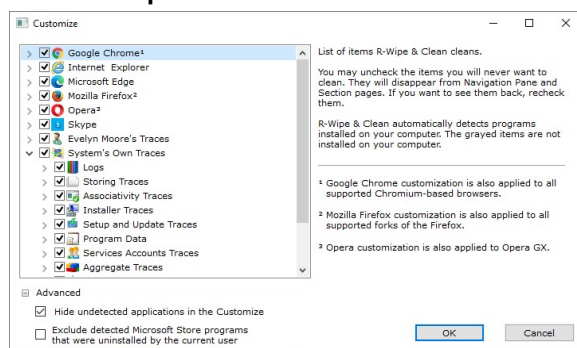
## 2.1 Customization

You may set on the **Customize** panel which items that **R-Wipe & Clean** removes or cleans will be visible on the **Main view** and **Tasks**, and accessible to you.

You may clear the items you will never want to clean. They will disappear from **Tree** both on the **Main view** and **Tasks**. If you want to gain access to them again, select them once again.

You may reach the **Customize** panel on the **Main** menu.

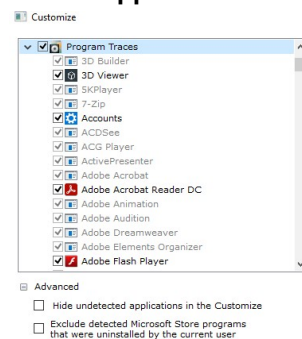
### Customize panel



1. Google Chrome customization is also applied to all supported Chromium-based browsers.
2. Mozilla Firefox customization is also applied to all supported Firefox fork browsers.
3. Opera customization is also applied to Opera GX.

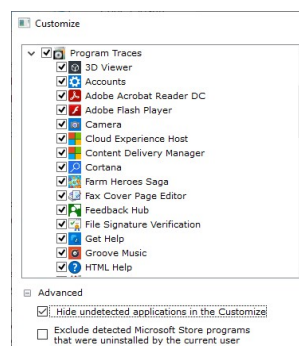
**R-Wipe & Clean** automatically detects programs installed on your computer. Items not installed are dimmed. You may hide then by selecting the **Hide undetected applications** option in the **Customize** panel.

### Absent applications



Undetected applications are shown

You may also exclude games and applications from MS Store that have been uninstalled by the current user but still remain in the system.

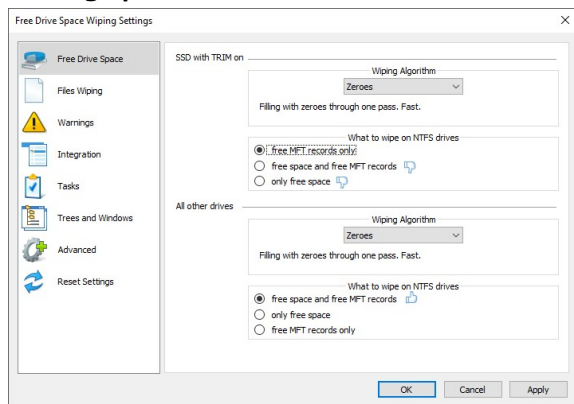


Undetected applications are hidden

## 2.2 Settings

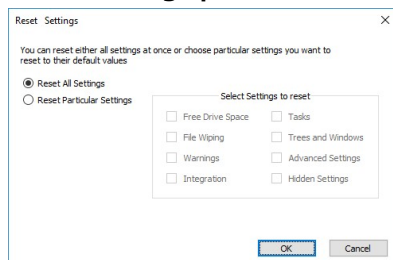
You may reach the **Settings** panel(s) from the **Settings** menu. There are two ways to show the settings: either as a single panel with multiple tabs or as several panels.

### Settings panel



You may reset all or individual settings on the **Reset Settings** panel.

### Reset Settings panel



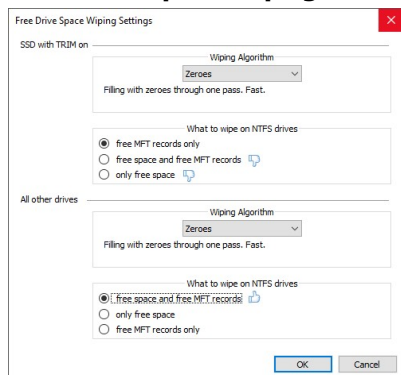
## Separate Panels and Settings

### Free Drive Space Settings

You may set default wiping setting for free drive space on this panel/tab.

**Note:** There are two separate free space wiping settings for regular hard drives and [SSD devices](#). Read the File Erasure on SSD and HDD devices page for more details.

### Free Drive Space Wiping Settings panel

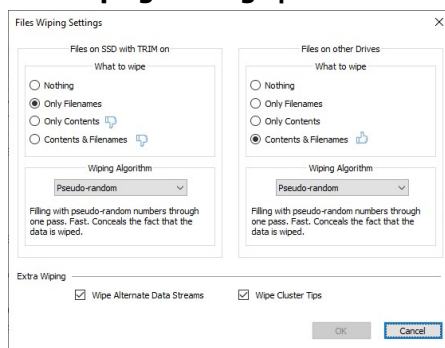


**Free Drive Space Wiping Settings**

Wiping algorithm	You may select a default algorithm for wiping disks. To learn more about wiping algorithms, go to <b>Wiping Algorithms</b> .
What to wipe on NTFS drives	<ul style="list-style-type: none"> <li>• free MFT records only: If this option is selected, <b>R-Wipe &amp; Clean</b> deletes records of small files which are stored directly in the NTFS Master File Table. It also removes the names of deleted files and folders that may be stored in the disk's MFT. This is important even for SSD devices.</li> <li>• free space and free MFT records: If this option is selected, <b>R-Wipe &amp; Clean</b> wipes drive's free space and deletes records of small files which are stored directly in the NTFS Master File Table. It also removes the names of deleted files and folders that may be stored in the disk's MFT.</li> <li>• only free space: If this option is selected, <b>R-Wipe &amp; Clean</b> only wipes drive's free space.</li> </ul>

**Files Wiping Settings**

You may set default wiping setting for separate files on this panel/tab.

**Files Wiping Settings panel****Files Wiping Settings**

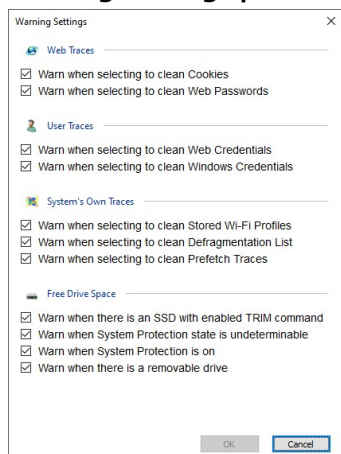
Files on SSD with TRIM on	You may select what will be wiped on SSD devices with the enabled TRIM command. <b>Note:</b> Content wiping is not recommended for TRIM-enabled SSD devices. Read the File Erasure on SSD and HDD devices page for more details.
Files on other Drives	You may select what will be wiped on conventional HDDs and SSDs with the disabled TRIM command.
What to wipe	You may specify how files will be wiped.
Wiping algorithm	You may select a default algorithm for wiping file content. To learn more about wiping algorithms, go to <b>Wiping Algorithms</b> .
Wipe <a href="#">alternate data streams</a> :	(Effective to the NTFS file system only). If this option is selected, <b>R-Wipe &amp; Clean</b> wipes all streams associated with the file.
Wipe <a href="#">cluster tips</a>	If this option is selected, <b>R-Wipe &amp; Clean</b> also wipes free parts of file clusters.

**Warnings Settings**

You may specify setting for displaying various warnings on this panel/tab.



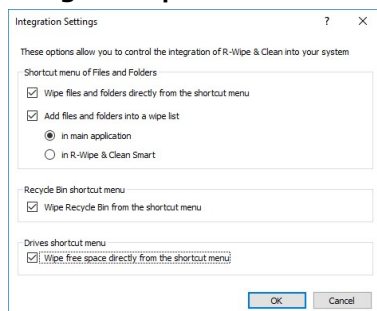
## Warnings Settings panel



## Integration Settings

You may set options controlling the integration of **R-Wipe & Clean** into your system on this panel/tab.

### Integration panel



## Integration Settings

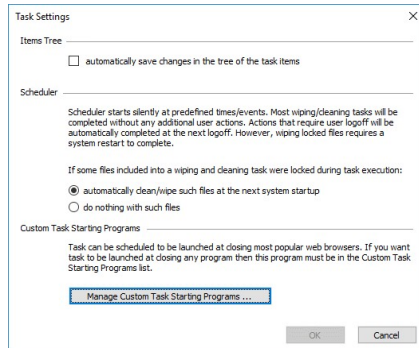
Shortcut menu of File Explorer	
Wipe files and folders directly from the shortcut menu	If this option is selected, the <b>Delete and Wipe</b> item will be added to the shortcut menu in File Explorer. Using this item, you may delete and wipe files and folders directly from File Explorer.
Add files and folders into a wipe list	If this option is selected, the <b>Add to the Wipe List</b> item will be added to the shortcut menu in File Explorer. Using this item, you may add files and folders to a wipe list directly from File Explorer to <b>R-Wipe &amp; Clean</b> or <b>R-Wipe &amp; Clean Smart</b> .
Recycle Bin shortcut menu	
Wipe Recycle Bin from the shortcut menu	If this option is selected, the <b>Wipe and Empty</b> item will be added to the shortcut menu in <b>the Recycle Bin</b> . Using this item, you may wipe files and folders directly from <b>the Recycle Bin</b> .
Drives shortcut menu	
Wipe free space directly from the shortcut menu	If this option is selected, the <b>Wipe Free Space with R-Wipe &amp; Clean</b> command will be added to the shortcut menu of every logical disk. Using this item, you may wipe free disk space from the shortcut menu.



## Tasks Settings

You may set options controlling the execution of large wipe and clean tasks.

### Tasks panel



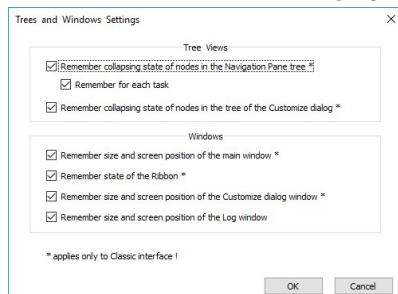
## Tasks Settings

Items Tree	
automatically save changes in the tree of the task items	If this option is selected, the <b>R-Wipe &amp; Clean</b> will immediately save changes you may make in the task tree.
If some files included into a wipe and clean task were locked during task execution	
automatically clean/wipe such files at the next system startup	If this option is selected, <b>R-Wipe &amp; Clean</b> will clean / wipe these files at the next system startup.
do nothing with such files	If this option is selected, the <b>R-Wipe &amp; Clean</b> will not do anything and these files will not be cleaned / wiped.
Manage Custom Task Starting Programs...	You may add up to 5 programs which closing will run a scheduled task if this is specified on <a href="#">Scheduler</a> .

## Trees and Windows Settings

You may specify setting for how **R-Wipe & Clean** keeps the positions and states of various program windows and Tree states on the **Main** panel.

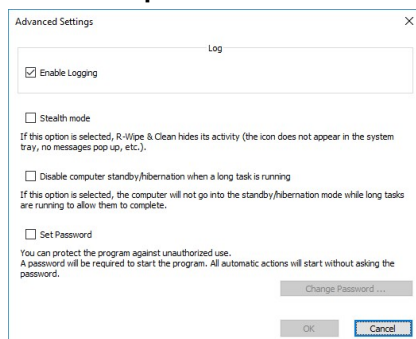
### Trees and Windows Settings panel



## Advanced Settings

You may set some advanced options on the **Advanced** tab of the **Settings** panel.

## Advanced panel



Advanced Settings

Log

☒ Enable Logging

☐ Stealth mode  
If this option is selected, R-Wipe & Clean hides its activity (the icon does not appear in the system tray, no messages pop up, etc.).

☐ Disable computer standby/hibernation when a long task is running  
If this option is selected, the computer will not go into the standby/hibernation mode while long tasks are running to allow them to complete.

☐ Set Password  
You can protect the program against unauthorized use. A password will be required to start the program. All automatic actions will start without asking the password.

Change Password ....

OK Cancel

## Advanced Settings

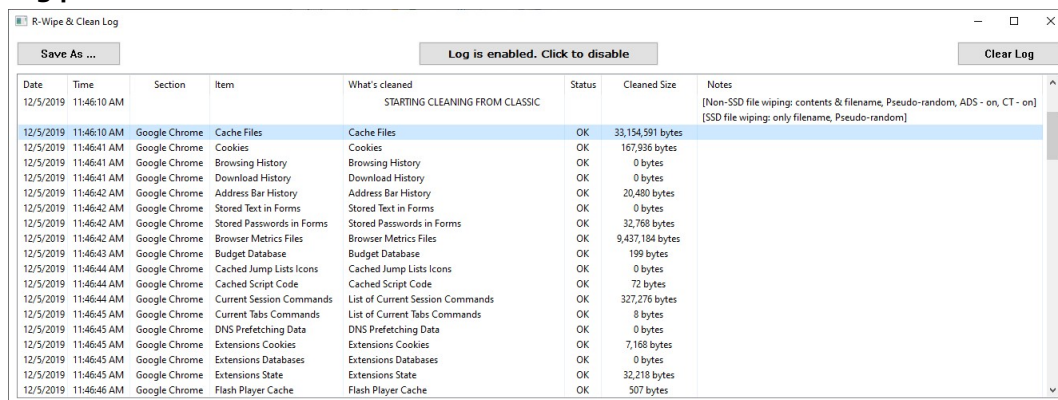
Enable Logging	If this option is selected, <b>R-Wipe &amp; Clean</b> starts logging its activity.
Stealth mode	If this option is selected, <b>R-Wipe &amp; Clean</b> conceals its activity. Its icon does not appear in the system tray, no messages pop up, etc.
Disable computer standby/hibernation when a long task is running	If this option is selected, your computer will not go into the standby/hibernation mode while long tasks are running allowing them to complete.
Set Password	You may protect the program against unauthorized use. If this option is selected, a password will be required to start <b>R-Wipe &amp; Clean</b> . All automatic actions will start without asking the password.

## 2.3 Logging

You may specify log setting and view the log on the **Log** panel. You may reach this panel by selecting **View Log** on the **Main** menu.

The Note column shows the [current wiping settings](#) for the [SSD disks](#) with TRIM enabled and other disks.

### Log panel



R-Wipe & Clean Log

Save As ... Log is enabled. Click to disable Clear Log

Date	Time	Section	Item	What's cleaned	Status	Cleaned Size	Notes
STARTING CLEANING FROM CLASSIC							
12/5/2019	11:46:10 AM	Google Chrome	Cache Files	Cache Files	OK	33,154,591 bytes	[Non-SSD file wiping: contents & filename, Pseudo-random, ADS - on, CT - on] [SSD file wiping: only filename, Pseudo-random]
12/5/2019	11:46:41 AM	Google Chrome	Cookies	Cookies	OK	167,936 bytes	
12/5/2019	11:46:41 AM	Google Chrome	Browsing History	Browsing History	OK	0 bytes	
12/5/2019	11:46:41 AM	Google Chrome	Download History	Download History	OK	0 bytes	
12/5/2019	11:46:42 AM	Google Chrome	Address Bar History	Address Bar History	OK	20,480 bytes	
12/5/2019	11:46:42 AM	Google Chrome	Stored Text in Forms	Stored Text in Forms	OK	0 bytes	
12/5/2019	11:46:42 AM	Google Chrome	Stored Passwords in Forms	Stored Passwords in Forms	OK	32,768 bytes	
12/5/2019	11:46:42 AM	Google Chrome	Browser Metrics Files	Browser Metrics Files	OK	9,437,184 bytes	
12/5/2019	11:46:43 AM	Google Chrome	Budget Database	Budget Database	OK	199 bytes	
12/5/2019	11:46:44 AM	Google Chrome	Cached Jump Lists Icons	Cached Jump Lists Icons	OK	0 bytes	
12/5/2019	11:46:44 AM	Google Chrome	Cached Script Code	Cached Script Code	OK	72 bytes	
12/5/2019	11:46:44 AM	Google Chrome	Current Session Commands	List of Current Session Commands	OK	327,276 bytes	
12/5/2019	11:46:45 AM	Google Chrome	Current Tabs Commands	List of Current Tabs Commands	OK	8 bytes	
12/5/2019	11:46:45 AM	Google Chrome	DNS Prefetching Data	DNS Prefetching Data	OK	0 bytes	
12/5/2019	11:46:45 AM	Google Chrome	Extensions Cookies	Extensions Cookies	OK	7,168 bytes	
12/5/2019	11:46:45 AM	Google Chrome	Extensions Databases	Extensions Databases	OK	0 bytes	
12/5/2019	11:46:45 AM	Google Chrome	Extensions State	Extensions State	OK	32,218 bytes	
12/5/2019	11:46:46 AM	Google Chrome	Flash Player Cache	Flash Player Cache	OK	507 bytes	

ADS: wiping of Alternative Data Streams.

CT: wiping of [Cluster Tips](#).

You may enable/disable log, save and clear it.

## 2.4 Wiping and Cleaning

It is incredible how much your personal information may be found in your computer. Actually, your PC 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.

**Note:** Files deleted on [SSD devices](#) usually cannot be recovered even if they've not been wiped. Read File Erasure on SSD and HDD devices page for details.

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

- **File Erasure on SSD and HDD devices**
- **Wiping Algorithms**
- [Wiping](#)
- [Cleaning a Computer](#)

### 2.4.1 Wiping

**Attention! Wiping files or free disk space on SSD devices is not possible in most cases. Read the File Erasure on SSD and HDD devices page for details.**

**R-Wipe & Clean** disables [wiping files](#) and free disk space on such devices by default. You may enable it, but you should understand what you are doing.

#### ***Wiping files***

Simply deleting a file does not mean that the data of this file are gone for good. When you delete a file, even when the **Recycle Bin** is disabled, Windows writes some information on the disk that this particular file should be treated as unneeded, and its space may be allocated for other file. Until data from the next file are written over the deleted one, the deleted data may be easily recovered using inexpensive and easily available data recovery utilities. To completely destroy the data, it must be overwritten, sometimes not once. Such process is called *wiping*. **R-Wipe & Clean** wipes files, making their recovery virtually impossible. It also wipes stored names of deleted files, file's [alternate data streams](#), [cluster tips](#), and records of small files stored directly into NTFS Master Table.

You may wipe a single file selecting [Delete and wipe](#) on the File Explorer shortcut menu, or several files and folders on the [Wipe Lists](#) panel.

The default file wiping settings may be set on the [Files Wiping Settings](#) tab of the [Settings](#) panel.

#### ***Wiping free disk space***

Even if you have removed all deleted files, that does not mean that no data from them remain on your hard drive. If you have rewritten your files many times, for example, while editing, some previous copies of the files may still remain on the disk without a slightest notice of their existence. Also, Windows constantly writes and deletes its own [temporary files](#) on disks. Such files are not visible to users, but may contain some data from your own files and programs. Such pieces of your data still remain even after you format the disk. There are special data

recover utilities that analyze unused space on disks and can restore many files that you believe to be completely wiped and deleted. **R-Wipe & Clean** wipes unused disk space, making such analysis of disk space useless.

You may wipe unused disk space on a single disk using the Wipe Free Space with R-Wipe & Clean command on the disk's shortcut menu, or on several disks at once on the [Free Drive Space](#) panel.

The default free disk space wiping settings may be set on the [Free Drive Space Settings](#) tab of the [Settings](#) panel.

#### 2.4.1.1 Wiping Files

**Attention! Wiping files on SSD devices is not possible in most cases. Read the File Erasure on SSD and HDD devices page for details.**

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

**R-Wipe & Clean** deletes rather than [wipes files](#) if the **What to wipe** option on the [Settings](#) panel is set to **Nothing**. Wiping files is disabled on [SSD devices](#) by default. You may enable it, but you should understand what you are doing.

#### Wiping a Single File

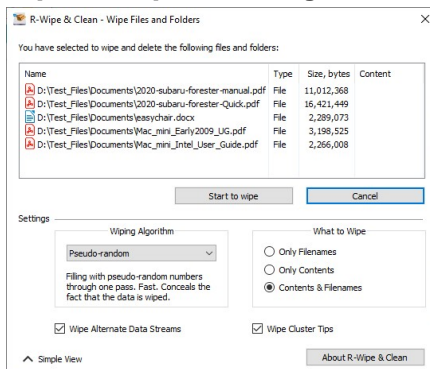
You do not have to start **R-Wipe & Clean** to wipe and delete a single file or several files. You may do this from **File Explorer**. Make sure that you have the **Wipe files and folders directly from the shortcut menu** option selected on the [Integration](#) tab of the [Settings](#) panel.

**To wipe a file or several files,**

- Select and right-click the file(s) in **File Explorer** and select **Wipe and Delete with R-Wipe & Clean** on the shortcut menu.

The **Wipe File Explorer** dialog box will appear.

#### Wipe File Explorer dialog box



- Click the **Start to wipe** button, and **R-Wipe & Clean** will wipe the file(s) with default wiping settings.

If you want to change the wiping settings for this file, click the **Advanced View** button

#### Wiping Several Files and Folders at Once

If you want to delete and wipe several files at once, go to the [Wipe Lists](#) section for details.

#### Wiping the Recycle Bin

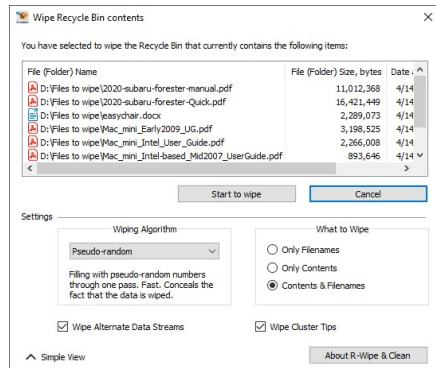
You do not have to start **R-Wipe & Clean** to wipe the contents of the **Recycle Bin**. You may do this from its shortcut menu. Make sure that the **Wipe the Recycle Bin from the shortcut menu** option on the [Integration](#) tab of the [Settings](#) panel is selected.

## To wipe the contents of the Recycle Bin,

- Right-click the **Recycle Bin** and select **Wipe with R-Wipe & Clean** on the shortcut menu.

The **Wipe Recycle Bin contents** dialog box will appear.

### Wipe Recycle Bin contents dialog box



- Click the **Start to wipe** button, and **R-Wipe & Clean** will wipe the **Recycle Bin** with default wiping settings.

If you want to change the wiping settings for this file, click the **Advanced View** button

Default file wiping settings may be specifically set on the [Files Wiping Settings](#) tab of the [Settings](#) panel.

## Wiping File Alternative Data Streams

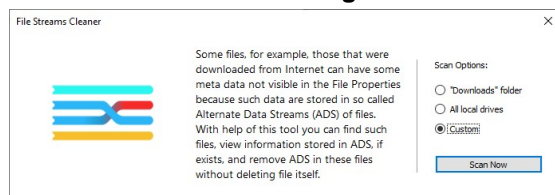
File Alternative Data Stream (ADS) is a set of metadata used to store some additional info for a file. For example, Internet Explorer uses it to store the zone identifier the file was downloaded from. (My Computer, Local Intranet Zone, Trusted sites Zone, Internet Zone, Restricted Sites Zone).

## To wipe file alternative data streams,

- Click the File Streams Cleaner on the **Tools** menu.

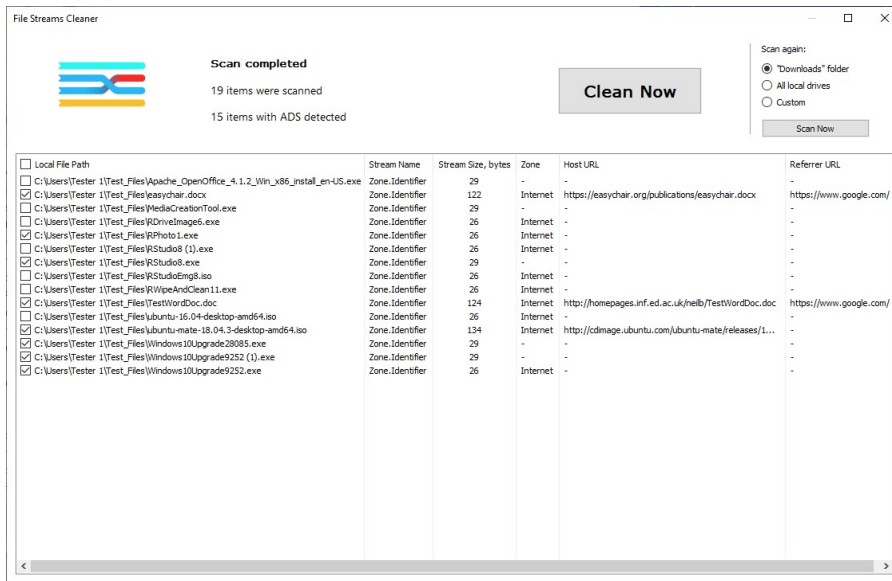
The **File Streams Cleaner** dialog box will appear.

### File Streams Cleaner dialog box



- Select the required **Scan Options** and click the **Scan Now** button and when the scan is completed, **R-Wipe & Clean** will show the results of the scan.

### File Streams Cleaner dialog box

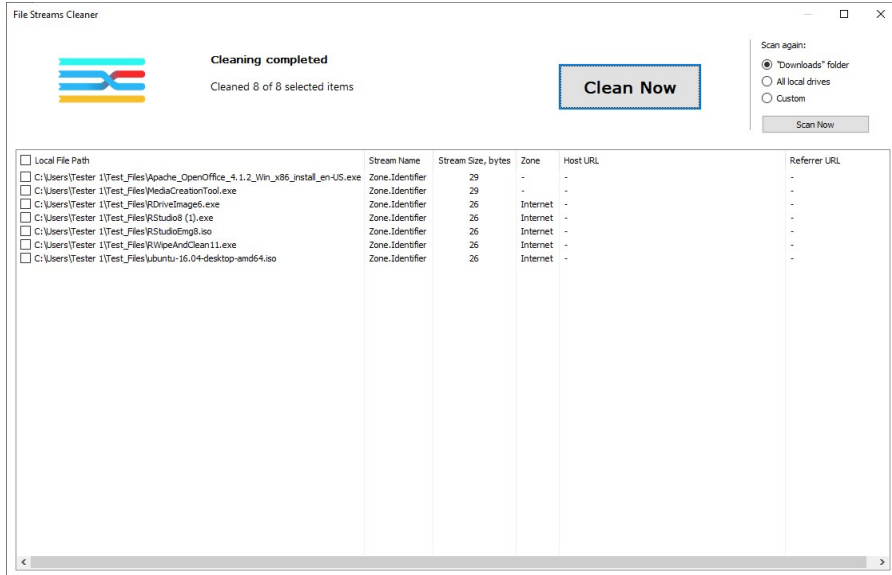


- Select the required files and click the **Clean Now** button.

You may use the Ctrl+A shortcut to select all the lines and then copy them to the clipboard using the Ctrl+C shortcut.

The **File Streams Cleaner** will start cleaning alternative data streams of the selected files. When cleaning finishes, **R-Wipe & Clean** will show the results.

#### File Streams Cleaner dialog box



#### 2.4.1.2 Wipe Lists

You may specify files and folders, and registry keys or key values that will be wiped and deleted through a single [wipe](#) and delete task on the **Wipe Lists** panel. Moreover, you may store such *wipe lists* to retrieve them and wipe later. You may also include wipe lists into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) 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.

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

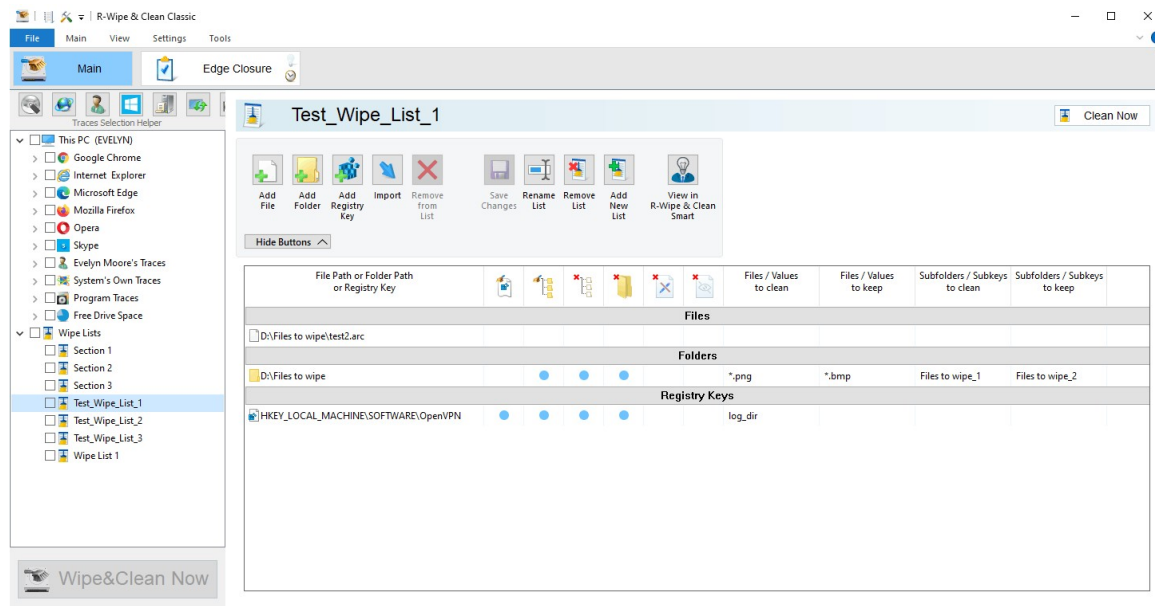
### Wiping wipe lists

To wipe a single wipe list,

- Select the required wipe list on the tree

The contents of the selected wipe list will appear in the right pane.

### Wipe Lists section



### Item Cleaning Icons

	Registry key: The value will be cleaned.
	Clean subfolders: All child subfolders will be cleaned recursively.
	Delete empty subfolders: All empty subfolders will be deleted.
	Delete folder: A folder or key will be deleted if it becomes empty.
	Delete read-only files
	Delete hidden files

- Click the **Clean Now** button on the right pane.

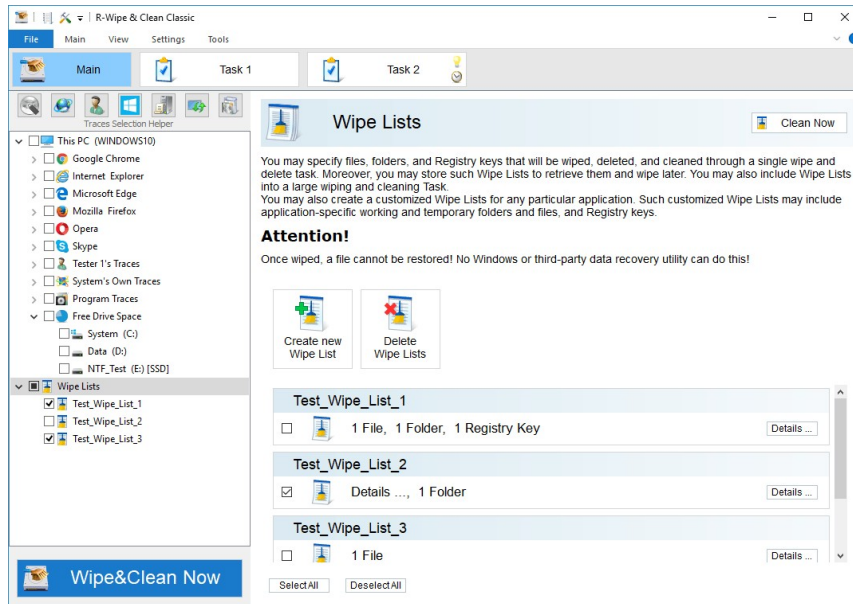
**R-Wipe & Clean** will start cleaning the contents of the wipe list.



## To wipe several wipe list at once,

- Select the required wipe lists on the tree

### Wipe Lists section



- Click the **Clean Now** button.

**R-Wipe & Clean** will start wiping the wipe list.

## Managing wipe lists

You may also manage wipe lists form the tab of a single wipe list using the **wipe list management** buttons.

### More information...

<p><b>To create a new wipe list,</b></p> <ul style="list-style-type: none"> <li>• In the Tree, go to the <b>Wipe Lists</b> section</li> <li>• Click the <b>Create new Wipe List</b> button.</li> </ul> <p>A new wipe list will appear in the right pane.</p>	<p><b>To remove a wipe list,</b></p> <ul style="list-style-type: none"> <li>• In the Tree, go to the <b>Wipe Lists</b> section</li> <li>• Click the <b>Remove List</b> button.</li> </ul> <p><b>R-Wipe &amp; Clean</b> will remove the wipe list.</p>
<p><b>To save a new wipe list,</b></p> <ul style="list-style-type: none"> <li>• In the Tree, go to the required <b>Wipe List</b></li> <li>• Click the <b>Save Changes</b> button on the <b>wipe list management</b> buttons.</li> </ul>	<p><b>To rename a wipe list,</b></p> <ul style="list-style-type: none"> <li>• In the Tree, go to the required <b>Wipe List</b></li> <li>• Click the <b>Rename List</b> button on the <b>wipe list management</b> buttons and enter a new name..</li> </ul>

## Managing files/folders in wipe lists

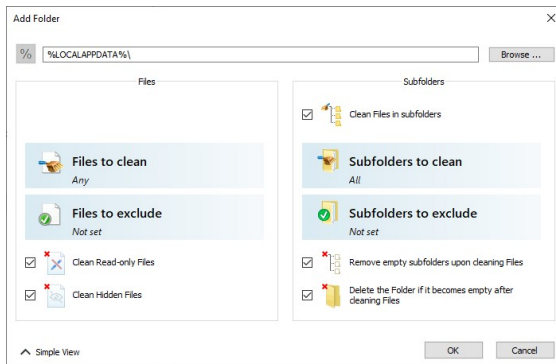
You may add a file or/and folder to the current wipe list directly from **File Explorer**. Right-click the file and select the **Add to the Wipe List** item from the shortcut menu. Make sure that the **Add files and folders to a wipe list from the shortcut menu** option is enabled on the **Integration** tab of the **Settings** panel.

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

You may add/remove files and folders to/from the list using the **file management** buttons. When you add a folder to the wipe list, the **Add folder...** dialog box will appear. You may set a file mask for files in the folder and specify files that are not to be cleaned if they even match the file masks.



### Add folder... dialog box



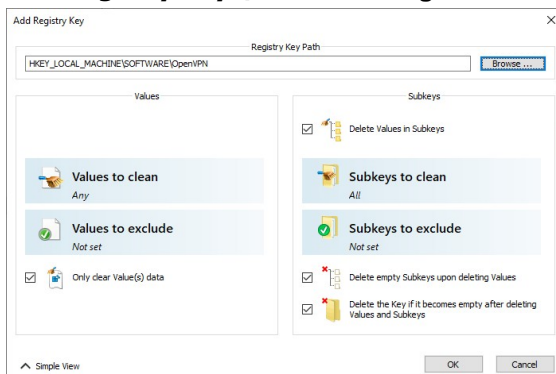
#### + Add folder options

%	Adds an environment variable.
Files to clean	Specifies file masks to clean files in this folder.
Files to exclude	Specifies file masks to exclude files from cleaning in this folder
Subfolders to clean	Specifies subfolders to clean in this folder.
Subfolders to exclude	Specifies subfolders to exclude from cleaning in this folder.
Clean files in subfolders	If this option is selected, files in subfolders will be cleaned.
Remove empty subfolders upon cleaning files	If this option is selected, the folders will be deleted when its content is cleaned.
Delete the folder if it becomes empty after cleaning files	If this option is selected, the folder will be deleted if it becomes empty after cleaning files in it.
Clean Read-only Files	If this option is selected, read-only files will be cleaned, too.
Clean Hidden Files	If this option is selected, hidden files will be cleaned, too.

### Managing Registry keys in wipe lists

You may also add a key or specific value in a key from Registry that will be deleted.

### Add Registry Keys/Values dialog box



#### = More information...

<p><b>To add a registry key or key values to a wipe list,</b></p> <ul style="list-style-type: none"> <li>• In the <b>Tree</b>, select the required wipe list</li> <li>• Click the <b>Add Registry Key</b> button on the <b>file management</b> buttons and select the required Registry key or separate key</li> </ul>	<p><b>To remove a registry key or key values from a wipe list,</b></p> <ul style="list-style-type: none"> <li>• In the <b>Tree</b>, select and click the required wipe list</li> </ul>
--	--

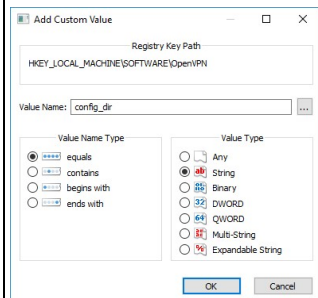
value on the **Add Registry Key** dialog box to add them to the wipe list.

You may add either all values in the selected key, or only specific values in it.

The added Registry keys or values will appear in the wipe list.

You may also add arbitrary custom values. Click the **Add Custom Value** button and specify the required values.

#### Add Custom Value dialog box



- Select a registry key or key values you want to remove and click the **Remove from List** button on the **file management** buttons.

The selected registry key or key values will be removed from the list.

You may also import items from other wipe lists using the **Import** button on the **file management** buttons

Default file wiping settings may be specifically set on the [Files Wiping Settings](#) tab of the [Settings](#) panel.

#### 2.4.1.2.1 R-Wipe & Clean Smart overview

**R-Wipe & Clean Smart** is a standalone tool that allows you to create very versatile Wipe Lists and clean their content. You may specify files, folders, and Registry keys for cleaning.

The wipe lists may be exported and imported for deployment among several computers.

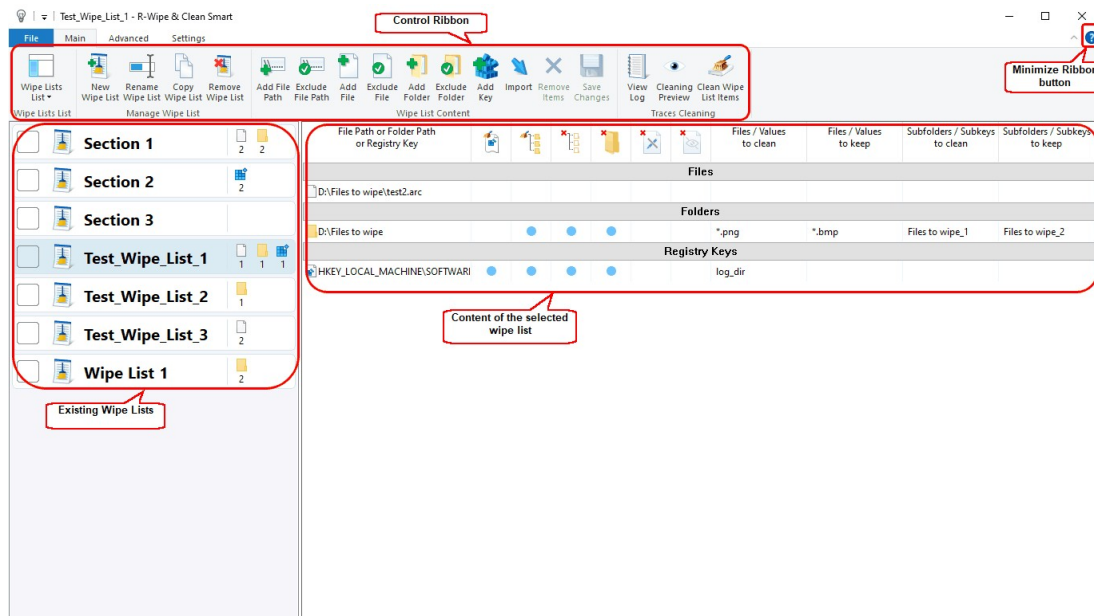
Please note that you should completely understand what are you doing when using **R-Wipe & Clean Smart**. It gives you absolute freedom in removing various Registry keys and files, but its incorrect usage may cause severe damage to your system, so a great caution is required.

#### 2.4.1.2.1.1 R-Wipe & Clean Smart Main Panel

**Note:** Some operations, such as wiping a file, wiping and deleting the contents of the Recycle Bin on a single disk, can be performed directly from the shortcut menu without starting **R-Wipe & Clean**.

When **R-Wipe & Clean Smart** starts, its main panel appears.

## R-Wipe & Clean Smart main panel



### Item Cleaning Icons

	Registry key: The value will be cleaned.
	Clean subfolders: All child subfolders will be cleaned recursively.
	Delete empty subfolders: All empty subfolders will be deleted.
	Delete folder: A folder or key will be deleted if it becomes empty.
	Delete read-only files
	Delete hidden files

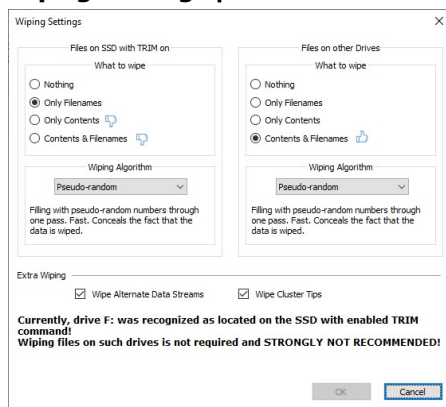
#### 2.4.1.2.1.2 Settings

You may reach the **Settings** panel(s) from the **File** menu on the **Main** panel or on the **Settings** tab.

#### Files Wiping Settings

You may set default wiping setting for separate files on this panel.

## Wiping Settings panel



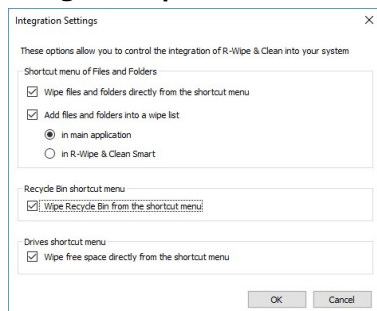
## Wiping Settings

Files on SSD with TRIM on	You may select what will be wiped on SSD devices with the enabled TRIM command. <b>Note:</b> Content wiping is not recommended for TRIM-enabled SSD devices. Read the File Erasure on SSD and HDD devices page for more details.
Files on other Drives	You may select what will be wiped on conventional HDDs and SSDs with the disabled TRIM command.
What to wipe	You may specify how filest will be wiped.
Wiping algorithm	You may select a default algorithm for wiping disks. To learn more about wiping algorithms, go to <b>Wiping Algorithms</b> .
Wipe alternate data streams:	(Effective to the NTFS file system only). If this option is selected, <b>R-Wipe &amp; Clean</b> wipes all streams associated with the file.
Wipe cluster tips	If this option is selected, <b>R-Wipe &amp; Clean</b> also wipes free parts of file clusters.

## Integration Settings

You may set options controlling the integration of **R-Wipe & Clean Smart** into your system on this panel.

## Integration panel



## Integration Settings

Shortcut menu of Files and Folders	
Wipe files and folders directly from the shortcut menu	If this option is selected, the <b>Delete and Wipe</b> item will be added to the shortcut menu in Files and Folders. Using this item, you may delete

	and wipe files and folders directly from Files and Folders.
Add files and folders into a wipe list	If this option is selected, the <b>Add to the Wipe List</b> item will be added to the shortcut menu in Files and Folders. Using this item, you may add files and folders to a wipe list directly from Files and Folders to <b>R-Wipe &amp; Clean</b> or <b>R-Wipe &amp; Clean Smart</b> .
Recycle Bin shortcut menu	
Wipe Recycle Bin from the shortcut menu	If this option is selected, the <b>Wipe and Empty</b> item will be added to the shortcut menu in the <b>Recycle Bin</b> . Using this item, you may wipe files and folders directly from the <b>Recycle Bin</b> .
Drives shortcut menu	
Wipe free space directly from the shortcut menu	If this option is selected, the <b>Wipe Free Space with R-Wipe &amp; Clean</b> command will be added to the shortcut menu of every logical disk. Using this item, you may wipe free disk space from the shortcut menu.

### INI Import Settings

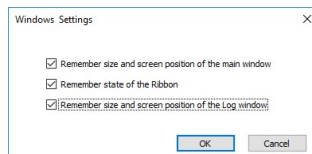
You may specify some parameters necessary to create wipe lists from imported INI files.

Go to the [Using INI File Format](#) for Import page for more information.

### Windows Settings

You may specify setting for how **R-Wipe & Clean Smart** keeps the positions and states of various program windows.

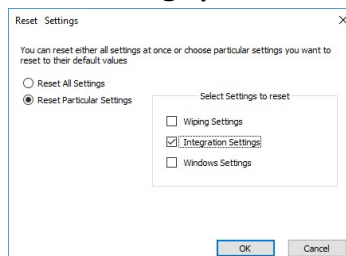
#### Trees and Windows Settings panel



### Resetting to Defaults

You may reset all or individual settings on the **Reset Settings** panel.

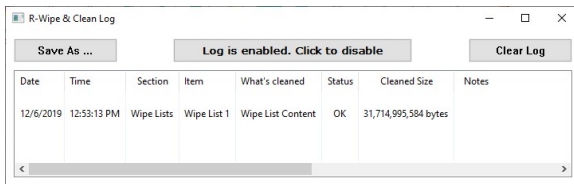
#### Reset Settings panel



#### 2.4.1.2.1.3 Logging

You may specify log setting and view the log on the **Log** panel. You may reach this panel either by selecting **View Log** on the **Main** menu.

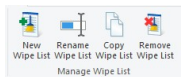
## Logs panel



### 2.4.1.2.2 Managing Wipe Lists

You can manage wipe lists using the **Manage Wipe List** buttons on the **Main** menu.

#### Manage Wipe List buttons



#### Creating a New Wipe List

To create a new wipe list,

- Click the **New Wipe List** button on the **Main** menu.

A new empty wipe list will appear in the list of wipe lists. Go to the [Managing Items in a Wipe List](#) page for more information on how to add various items to clean.

#### Modifying an Existing Wipe List

- Select the required wipe list, make necessary alteration, and click the **Save Changes** button on the **Main** menu.

#### Deleting an Existing Wipe List

- Select the required wipe list and click the **Remove Wipe List** button on the **Main** menu.

#### Copying an Existing Wipe List

- Select the required wipe list and click the **Copy Wipe List** button on the **Main** menu.

#### Cleaning a Wipe List

- Select the required wipe list and click the **Clean Wipe List Items** button on the **Main** menu.

### 2.4.1.2.2.1 Managing Items in a Wipe List

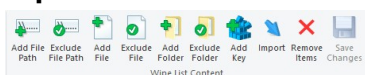
#### Managing Files and Folders

You may add a file or/and folder to the current wipe list directly from **File Explorer**. Right-click the file and select the **Add to the Wipe List** item from the shortcut menu. Make sure that the **Add files and folders to a wipe list from the shortcut menu** option is enabled on the [Integration](#) panel of [Settings](#).

You can manage items to clean in a wipe list using the **Wipe List Content** buttons on the **Main** menu.

You may also convert absolute paths to environment variables and vice versa using the **Convert to EnvVars** and **Convert from EnvVars** buttons on the **Advanced** menu

#### Wipe List Content buttons

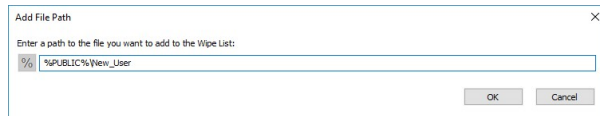


You may add/exclude either already existing files/folders or arbitrary paths (even currently non-existent).

**Arbitrary paths:**

To add/exclude an arbitrary path to a wipe list,

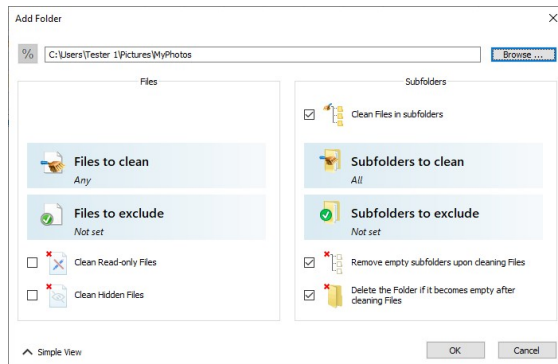
- Click the **Add/Exclude File Path** button

**Add File Path dialog box**

And enter the path. Use the % button to add an environment variable.

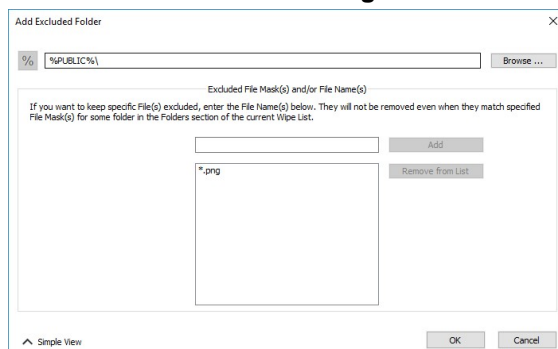
**Existing files/folders.**

When you add a folder to the wipe list, the **Add folder...** dialog box will appear. You may set a file mask for files in the folder and specify files that are not to be cleaned if they even match the file masks.

**Add folder... dialog box****+ Add folder options**

Files to remove/exclude	Specifies file and file mask to clean/exclude files in the folder.
Clean files in subfolders	If this box is checked, all sub-folders will also be cleaned.
Remove empty subfolders upon cleaning files	If this box is checked, the folders will be deleted when its content is cleaned.
Delete the folder if it becomes empty after cleaning files	If this option is selected, the folder will be deleted if it becomes empty after cleaning files in it.

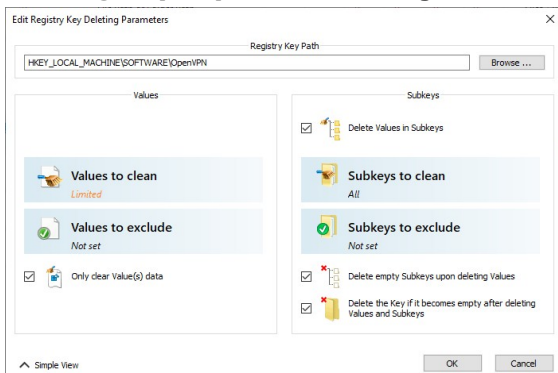
You may specify folders and files that will be excluded from removal. Click the **Exclude Folder...** button and specify a folder path and a file mask for files in the folder that are not to be cleaned.

**Add excluded folder... dialog box**

## Managing Registry keys in wipe lists

You may also add a key or specific value in a key from Registry that will be deleted.

### Add Registry Keys/Values dialog box



### More information...

**To add a registry key or key values to a wipe list,**

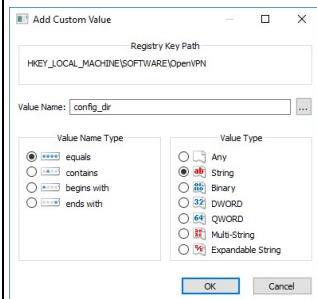
- In the **Wipe Lists List**, select the required wipe list
- Click the **Add Registry Key** button on the **Main** menu and select the required Registry key or separate key value on the **Add Registry Key** dialog box to add them to the wipe list.

You may add either all values in the selected key, or only specific values in it.

The added Registry keys or values will appear in the wipe list.

You may also add arbitrary custom values. Click the **Add Custom Value** button and specify the required values.

### Add Custom Value dialog box



**To remove a registry key or key values from a wipe list,**

- In the **Wipe Lists List**, select and click the required wipe list
- Select a registry key or key values you want to remove and click the **Remove from List** button on the **Main** menu.

The selected registry key or key values will be removed from the list.

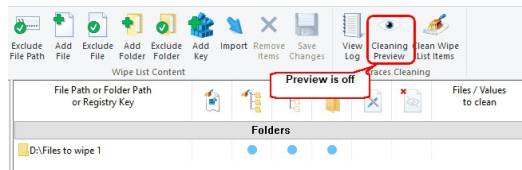
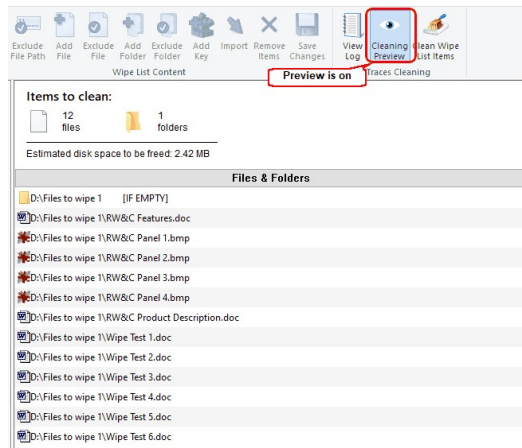
You may also import items from other wipe lists using the **Import** button on the **Main** menu.

Default file wiping settings may be specifically set on the [Files Wiping Settings](#) panel.

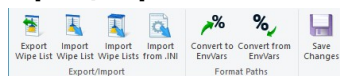
## Previewing contents of wipe lists

You may also view the content of a folder in a wipe list. Use the **Cleaning Preview** button for that.



**Preview is off****Preview is on****2.4.1.2.3 Exporting and Importing Wipe Lists**

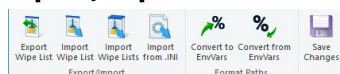
You can export and import wipe lists using the **Export/Import** buttons on the **Advanced** menu. That is useful when you want to deploy those wipe lists on many computers. It used its own proprietary format with the `rwcl` file extension.

**Export/Import buttons****Import from .INI files**

You may also import wipe lists in the .INI file format. This format is described in detail on the [Using INI Files for Import](#) page.

**2.4.1.2.4 Using INI File Format for Import**

You may import wipe lists specified in the `.ini` file format using the **Import from .INI** button.

**Export/Import buttons**

You may use this file format to create wipe lists manually.

**INI file format for wipe lists**

An INI file has the following structure:

```
[Section 1]
Key1=Value1
...
Key1N=Value1N
...
```

```
[Section N]
KeyN1=ValueN1
...
KeyNN=ValueNN
```

Each key name in the section must have a unique name, otherwise the entire section will be skipped.

### Key values

Key Name	Key Value	Key Effect
File...		
	A full path to a file.	The file will be removed.
	A full path to a folder followed by a vertical bar and .and a list of file names and/or file masks separated by semicolons.	The files in that particular folder matching to the file lists and file masks will be removed.
Folder...	A full path to a folder	The folder and its content will be removed, but its sub-folders will remain.
RegKey...	A full path to the Registry key	The Registry key will be deleted.
	A full path to the Registry key followed the a vertical bar and value name(s).	That particular value of the Registry key will be deleted.
Exclude...	A full path to a file.	The file will be excluded from removal.
	A full path to a folder followed by a vertical bar and .and a list of file names and/or file masks separated by semicolons.	The files in that particular folder matching to the file lists and file masks will be excluded from removal.

### Simple Key Examples:

```
[Section 1]
```

```
File1=D:\My Docs\Working.log
```

The Working.log file in the D:\My Docs\ folder will be removed

```
File2=%LocalAppData%
\CompanyName\ProductName\Logs\Activity.log
```

The %LocalAppData% environment variable is used to specify the path to the Activity.log file.

```
File3=D:\My Docs\Errors|*.log;*.cache
```

Files with the log and cache extensions in the D:\My Docs\Errors folder will be removed.

```
Folder1=%LocalAppData%
\CompanyName\AppName\Logs
```

The content of the %LocalAppData%\CompanyName\AppName\Logs folder will be removed, but its sub-folders will remain. The path to the folder contains the %LocalAppData% environment variable.

```
[Section 2]
```

RegKey1=HKCU\Software\CompanyName\AppData\RecentFiles

The entire HKCU\Software\CompanyName\AppData\RecentFiles Registry key will be deleted.

RegKey2=HKCU\Software\Company\App|LastSaveDir

The LastSaveDir value will be removed from the HKCU\Software\Company\App Registry key.

[Section 3]

Exclude1=%LocalAppData%\Company\Product\Logs\Error.log

The Error.log file in the %LocalAppData%\Company\Product\Logs folder will not be removed. The path to the folder contains the %LocalAppData% environment variable.

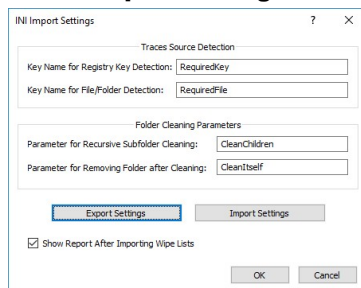
Exclude2=D:\My Docs\Manage|\*.receipt;\*.report

Files with the receipt and report extensions in the D:\My Docs\Manage folder will not be removed.

### More Complex Key Examples:

Some import actions require more complex settings. Those settings are specified on the **INI Import Settings** dialog box on the **Settings** menu. Those settings can be saved and loaded later.

#### INI file import settings



#### Cleaning subfolders

By default, when you specify a folder to clean, all its subfolders will remain. To clean the subfolders the following should be done:

- Specify a parameter in the **Parameter for Recursive Subfolder Cleaning** field on the **INI Import Settings** dialog box. In our example, it is **CleanItself**.
- Add this parameter to the **Folder or File** key:

File1=D:\My Docs|\*.log|CleanChildren

All files with the log extension in the D:\My Docs\ folder will be removed, and all its subfolders will be removed, too.

Folder1=%LocalAppData%\CompanyName\AppData\Logs|CleanChildren

The content of the %LocalAppData%\CompanyName\AppData\Logs folder will be removed, together with all subfolders.

#### Removing the folder after cleaning

- Specify a parameter in the **Parameter for Removing Folder after Cleaning** field on the **INI Import Settings** dialog box. In our example, it is **CleanItself**.
- Add this parameter to the **Folder or File** key:

File1=D:\My Docs|\*.log|CleanItself

All files with the log extension in the D:\My Docs\ folder will be removed, and all its subfolders will be removed, too.

```
Folder1=%LocalAppData%
\CompanyName\AppData\Logs\CleanItself
```

The %LocalAppData%\CompanyName\AppData\Logs folder will be removed, with all its content.

### Importing a section only if it contains a specific Registry key or file/folder

It can be done by specifying **Key Name for Registry Key Detection** and **Key Name for File/Folder Detection** parameters on the **INI Import Settings** dialog box. In our case, they are **RequiredKey** and **RequiredFile**.

If you want to import only those sections that contain HKCU\Software\Company\App\8.0 and %LocalAppData%\CompanyName folder, the sections should contain the following:

```
[Section 1]
RequiredKey1=HKCU\Software\Company\App\8.0
Key1=HKCU\Software\Company\App\8.0
```

```
[Section 2]
RequiredKey1=HKCU\Software\Company\App\8.0
Key1=HKCU\Software\Company1\
```

Section 1 will be imported, while Section 2 will not.

```
[Section 3]
RequiredFile1=%ProgramFiles%\Company\Product
File1=%ProgramFiles%\Company\Product
```

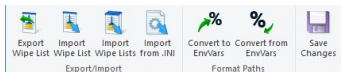
```
[Section 4]
RequiredFile1=%ProgramFiles%\Company\Product
File1=%ProgramFiles%\Company\Product28
```

Section 3 will be imported, while Section 4 will not.

### INI file format for wipe lists

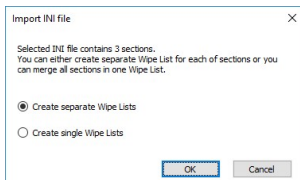
- Click the Import from INI file button and select the required file.

#### Export/Import buttons



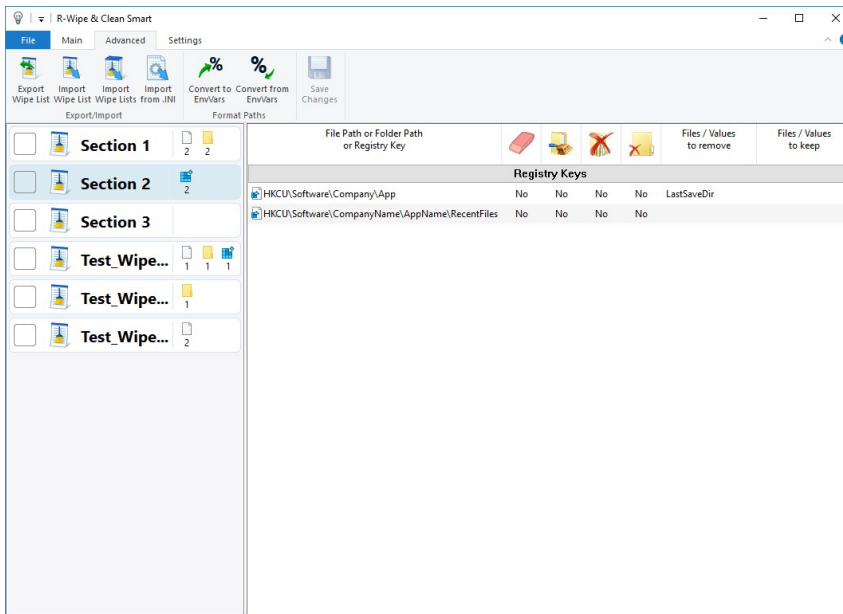
You may import the entire INI file as a single wipe list or each section as a separate wipe list.

#### Import INI files dialog box



The resulting wipe list(s) will appear on the list of wipe lists.

### Import result



#### 2.4.1.3 Wiping Free Disk Space

**Attention! Wiping free disk space for SSD devices is not required in most cases. Read the File Erasure on SSD and HDD devices page for details.**

R-Wipe & Clean disables [wiping free disk space](#) on such devices by default. You may enable it, but you should understand what you are doing. The only important part that should be cleaned even on an [SSD device](#) is MFT on NTFS disks. The best wiping algorithms for that are zeros or pseudo-random numbers.

Disk data you can wipe depends on your user account type and Windows version.

#### Data that can be wiped:

		System Disk		Non-System Disk	
		Free space	MFT	Free space	MFT
Windows 10	Administrator	Yes	Yes	Yes	Yes
	User (Standard Account)	Yes	No	Yes	Yes
	Guest	No	No	No	No
Windows 8/8.1	Administrator	Yes	Yes	Yes	Yes
	User (Standard Account)	Yes	No	Yes	Yes
	Guest	No	No	No	No
Windows 7	Administrator	Yes	Yes	Yes	Yes
	User (Standard User)	Yes	No	Yes	Yes
	Guest	No	No	No	No

**Attention! When a disk is wiped, all previously deleted files cannot be restored! No Windows or third-party data recovery utility can do this!**

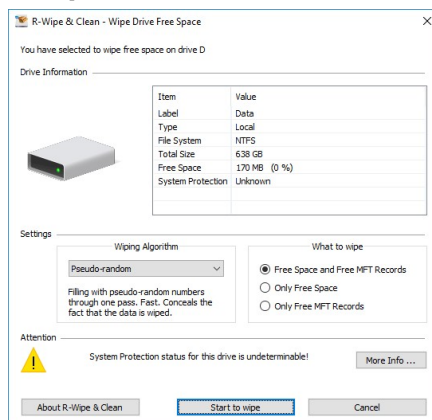
### ***Wiping free disk space on a single disk***

You do not have to start **R-Wipe & Clean** to wipe unused space on a single disk. You may do this from **File Explorer**. Make sure that the **Wipe free space directly from the shortcut** menu option is selected on the **Integration** tab of the **Settings** panel.

To wipe unused disk space on a single disk,

- Right-click the disk in **File Explorer**, and select **Wipe free space with R-Wipe & Clean** on the menu. The **R-Wipe & Clean** tab will appear.

#### **R-Wipe & Clean tab**



- Select the [wiping settings](#) for this disk and click the **Wipe now** button.

**R-Wipe & Clean** will start wiping the disk, and the **Wiping** dialog box will appear showing the wiping progress. When **R-Wipe & Clean** finishes wiping, the **Report** dialog box will appear.

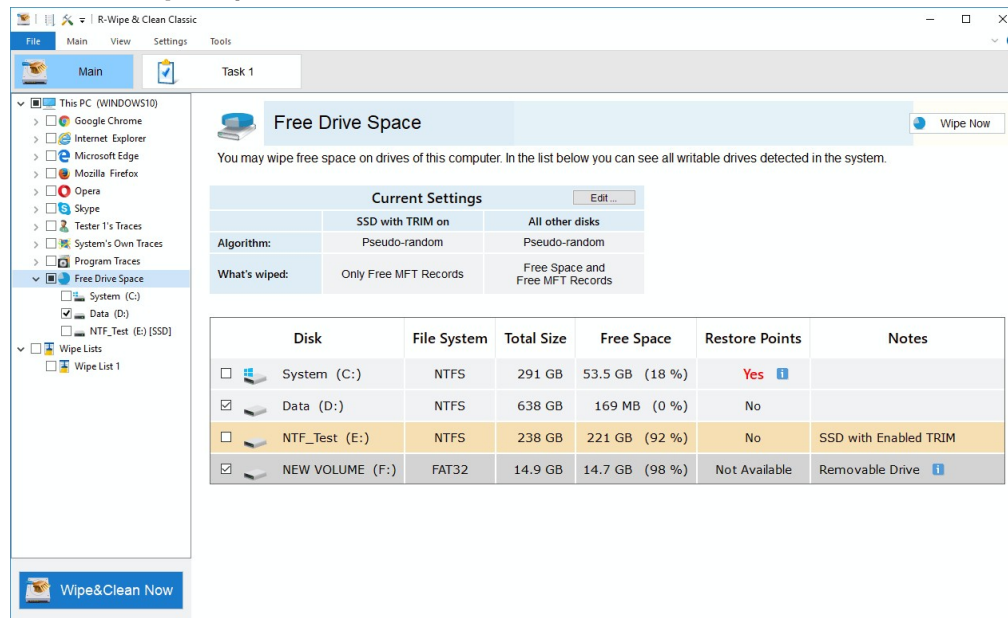
### ***Wiping free disk space on several disks***

To wipe unused disk space on several disks,

- Select **Free Drive Space**

The **Free Drive Space** tab will appear in the right pane.

## Free Drive Space panel



- Select the disks you want to wipe.
- If necessary, change the wiping settings, and click the **Wipe Now** button. Default disk wiping settings may be set on the [Free Drive Space Wiping Settings](#) tab of the [Settings](#) panel. To learn more about wiping algorithms, go to the [Wiping Algorithms](#) page.

**R-Wipe & Clean** will start wiping the disk, and the **Wiping** dialog box will appear showing the wiping progress. When **R-Wipe & Clean** finishes wiping, the **Report** dialog box will appear.

You may interrupt wiping. Click the **Stop** button. Wiping will be stopped, and the **Report** dialog box will appear, showing how much of unused space has been wiped.

You may also select the disks to wipe on the left tree and click the Wipe&Clean Now button. Disks selected for wiping in the tree may be included into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

**Note!** Removable storage devices appears in the right tab only. This is done to prevent including such devices into a large wipe and clean task.

## 2.4.2 Cleaning a Computer

Your computer stores very many traces of your activity like links to visited web sites or recently opened documents. It also keeps contents, such as pictures, texts, flash movies, audio files from visited web pages. 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 [caches](#) and histories will not help, as Windows stores such information in many, and not easily accessible, places. **R-Wipe & Clean** unrecoverably deletes such information and files.

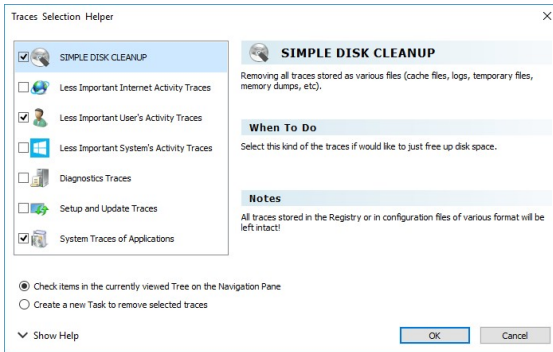
All traces are divided into the following parts:

- [On-line Activity:](#)
- [Personal data](#)
- [System's Own traces:](#)
- [Program Traces](#)

Default cleaning settings may be specifically set on the [Files Wiping Settings](#) tab of the [Settings](#) panel.

You may use **Traces Selection Helper** to quickly select some most common traces to clean. You may reach it by selecting **Traces Selection Helper** on the **Main** menu.

### Traces Selection Helper panel



### Traces Selection Helper Items

SIMPLE DISK CLEANUP	<p>If you want to just free up disk space then it's enough to check this item.</p> <p><b>R-Wipe &amp; Clean</b> will remove all traces stored as various files (cache files, logs, <a href="#">temporary files</a>, memory dumps, etc).</p> <p>However, all traces stored in the Registry or in configuration files of various format will be left intact!</p>
Less Important Internet Activity Traces	<p>Select these traces if you worked online with some web browser or Skype.</p> <p>Your personalized settings for webpages (<a href="#">cookies</a>, saved passwords, etc) will be left intact!</p> <p>You can remove such traces by selecting root item of the corresponding web browser or Skype on the Navigation tree.</p> <p>In addition to web browsers and Skype, there are various applications that use Internet and keep web traces but such traces aren't to be removed here.</p>
Less Important User's Activity Traces	<p>By selecting these traces, you can remove commonly created traces for the current user even if you do nothing on this PC.</p> <p>This will also remove the traces created by system components used in the applications.</p> <p>For example, traces left after using Open and/or Save dialogs in some applications.</p>
Less Important System's Activity Traces	<p>Here you can remove the traces created by the system even if you do nothing on this PC.</p> <p><b>Administrative rights are required for removing these traces!</b></p>
Diagnostics Traces	<p>Here you can remove traces created after errors in applications or system (error reports, dump files, etc).</p> <p>Many applications can create such traces without notifying you.</p> <p>Removing these traces will free some space on the drive but can make it difficult to troubleshoot error issues.</p>
Setup and Update Traces	<p>Here you can remove traces created after installation your system, as well as after each of its updates.</p>



	<p>Removing these traces can free large amount of disk space but can make it difficult to troubleshoot installation issues.</p> <p>It's recommended to remove such traces after a Windows Update installation.</p>
System Traces of Applications	<p>Here you can remove the traces that can be left in the system after removing various applications.</p> <p>It's recommended to remove such traces after removing large applications that were installed via installer.</p>

#### 2.4.2.1 Cleaning Internet Activity

You may clean your computer from many traces and links from your Internet activity that your computer stores in many places. You may include Internet activity cleaning into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

**R-Wipe & Clean** automatically detects most popular web browsers and shows them in its **Tree**. The list of items visible on each browser's panel can be edited on the [Customize](#) panel.

 *Items that can be cleaned in various browsers and communication programs*

Browser	Items that can be cleaned
<b>Internet Explorer</b>	<ul style="list-style-type: none"> <li>• Temporary Internet Files</li> <li>• <a href="#">Cookies</a></li> <li>• <a href="#">History</a></li> <li>• Download History</li> <li>• Typed URLs</li> <li>• Form Data</li> <li>• DOM files</li> <li>• Extensions Statistics</li> <li>• Stored Favorites Order</li> </ul>
<b>Microsoft Edge (Windows 10+)</b>	<ul style="list-style-type: none"> <li>• Cache Files</li> <li>• Browsing Data</li> <li>• Typed URLs</li> <li>• Application Cache</li> <li>• Cached Certificates</li> <li>• DOM Storage</li> <li>• Internal Databases</li> <li>• Stored Website Favicons</li> <li>• Stored Recovery Information</li> <li>• <a href="#">Temporary Files</a></li> </ul>
<b>Microsoft Edge (New)</b>	<ul style="list-style-type: none"> <li>• Cache files</li> <li>• Cookies</li> <li>• Browsing History</li> <li>• Download History</li> <li>• Address Bar History</li> <li>• Stored Text in Forms</li> <li>• Stored Passwords in Forums</li> <li>• Browser Metrics Files</li> </ul>

- Budget Database
- Cached Jump Lists Icons
- Cached Script Code
- Cached WebAssembly Code
- Crash Reports
- Data Reduction Statistics
- Extension Databases
- Extensions State
- GPU Cache
- Heavy Ad Intervention Statistics
- Invalid Certificates
- Language Statistics
- Media Engagement Statistics
- Media Playback History
- Microphone Usage Statistics
- Most Visited Sites Data
- Network Persistence Statistics
- Permission Notification History
- Prerendering Data
- Quota Manager Data
- Rollback Journals
- Search Engines Data
- Search History
- Server Worker Cache
- Session Databases
- Setup Metrics Files
- Site Engagement Statistics
- Stored Banner Information
- Stored Favicons
- Stored Help Session Time
- Stored Local FS Access Info
- Stored Location Permissions
- Stored NEL Data
- Stored Push Notifications
- Stored Services Network Traffic
- Stored Session Commands
- Stored Tabs Command
- Stored Translation Parameters
- Stored Website Permissions
- Stored Zoom Data
- Sync Logs
- Tracking Preventions Data

- Tracking Relationship Data
- Update Files
- Update Logs
- Web Application Daily Metrics
- Web Apps File System's Files
- Webcam Usage Statistics
- WebRTC Logs
- Website Loading Statistics
- Browsing Data
- Cached Files
- Typed URLs
- Application Cache
- Cashed Certificates
- DOM Storage
- Internal Databases
- Stored Website Favicons
- Stored Recovery Information
- Temporary Files
- Session Event Log
- Stored Usage Statistics
- Website Redirecting Statistics
- Installer Files
- Site Characteristics Database
- Stored Printing Information
- Web Engine Navigation History
- Stored Profiles in Forms
- Allowed Web Launch Apps Data
- Website Databases
- Stored Form Filling Metadata
- Developer Tools Recent Files
- Stored Web App Commands
- Stored Client Hints
- Manager Diagnostics Log
- Stored Assistance Data
- LevelDB Databases
- Stored PDF View Info
- SmartScreen Download Data
- SmartScreen URI Data
- Stored Bounce Tracking Data
- CRX Package Cache
- MAM Log
- Stored Media Devices Salts

	<ul style="list-style-type: none"> <li>• Databases Old Logs</li> </ul>
<b>Mozilla Firefox</b> Lunascape Waterfox Basilisk Comodo IceDragon Pale Moon	<ul style="list-style-type: none"> <li>• Cached Files</li> <li>• Cookies</li> <li>• Browsing History</li> <li>• Download History</li> <li>• Stored Text in Forms</li> <li>• Stored Passwords</li> <li>• Cached Jump Lists Icons</li> <li>• Crash Minidump Files</li> <li>• Crash Reports</li> <li>• DOM Storage</li> <li>• FHR Performance Measures</li> <li>• Indexed Databases</li> <li>• Stored Favicons</li> <li>• Stored HSTS Cookies</li> <li>• Stored Installation Timestamps</li> <li>• Stored Session Information</li> <li>• Stored Timestamps</li> <li>• Stored Webpage Thumbnails</li> <li>• Telemetry Reports</li> <li>• Update Logs</li> <li>• Overridden Certificates</li> <li>• Stored Push Notifications</li> <li>• Mozilla Maintenance Service Logs</li> <li>• Storage Usage Statistics</li> <li>• Enhanced Tracking Protection Statistics</li> <li>• Registered Service Workers</li> <li>• Stored Frecency</li> <li>• Stored Website Permissions</li> <li>• Stored Website Preferences</li> <li>• Sync Event Log</li> <li>• Stored Usage Statistics</li> <li>• Used Devices</li> <li>• WebRenderer Shader Cache</li> <li>• Stored Alternative Services Data</li> <li>• Stored App Handling</li> <li>• Unfinished Downloads</li> <li>• Settings Sync History</li> <li>• Update Trash</li> <li>• Stored Glean Metrics</li> <li>• Top Frecent Websites</li> <li>• Stored Recovery Data</li> </ul>

	<ul style="list-style-type: none"> <li>• Stored BgTasks HSTS Cookies</li> </ul>
<b>Opera</b> <b>Opera GX</b>	<ul style="list-style-type: none"> <li>• Cached Files</li> <li>• Cookies</li> <li>• Browsing History</li> <li>• Download History</li> <li>• Stored Text in Forms</li> <li>• Stored Passwords</li> <li>• Cached Jump Lists Icons</li> <li>• Cached Script Code</li> <li>• Extensions Databases</li> <li>• Media Engagement Statistics</li> <li>• Network Persistence Statistics</li> <li>• Prerendering Data</li> <li>• Quota Manager Data</li> <li>• Rollback Journals</li> <li>• Service Worker Cache</li> <li>• Site Engagement Statistics</li> <li>• Stored Favicons</li> <li>• Stored Website Permissions</li> <li>• AutoUpdate Log</li> <li>• Stored Zoom Data</li> <li>• Backup Files</li> <li>• Bookmarks Trash</li> <li>• Cached WebAssembly Code</li> <li>• Debug Logs</li> <li>• GPU Cache</li> <li>• Media Playback History</li> <li>• Microphone Usage Statistics</li> <li>• Permission Notification History</li> <li>• Previous Versions Backup</li> <li>• Sidebar Elements Usage Data</li> <li>• Stored Location Permissions</li> <li>• Stored NEL Data</li> <li>• Stored Push Notifications</li> <li>• Stored Session Commands</li> <li>• Stored Tabs Commands</li> <li>• Stored Usage Statistics</li> <li>• Recent Tabs</li> <li>• Removed Suggestions</li> <li>• Stored Printing Information</li> <li>• Temporary Files</li> <li>• Web cam Usage Statistics</li> </ul>

	<ul style="list-style-type: none"> <li>• Website Databases</li> <li>• Stored Client Hints</li> <li>• Allowed Web Launch Apps Data</li> <li>• Assistant Statistics</li> <li>• Developer Tools Recent Files</li> <li>• Assistant Logs</li> <li>• Stored Suggestion Data</li> <li>• Search History</li> <li>• Session Event Log</li> <li>• Crash Reports</li> <li>• Stored Banner Information</li> <li>• Browser Metrics Files</li> <li>• Browser Metrics Files (Opera GX)</li> <li>• Web Applications Daily Metrics</li> <li>• Stored Bounce Tracking Data</li> <li>• CRX Package Cache</li> <li>• Stored Media Devices Salts</li> <li>• HTTP Allowed Sites Info</li> </ul>
<b>Google Chrome</b> Brave Comodo Dragon SRWare Iron Vivaldi Opera Neon Torch Slimjet	<ul style="list-style-type: none"> <li>• Cache Files</li> <li>• Cookies</li> <li>• Browsing History</li> <li>• Download History</li> <li>• Address Bar History</li> <li>• Stored Text in Forms</li> <li>• Stored Passwords in Forms</li> <li>• Cached Jump Lists Icons</li> <li>• DNS Prefetching Data</li> <li>• Extensions Databases</li> <li>• Extensions State</li> <li>• Flash Player Cache</li> <li>• GPU Cache</li> <li>• Media Cache</li> <li>• Media Engagement Statistics</li> <li>• Most Visited Sites Data</li> <li>• Prerendering Data</li> <li>• Quota Manager Data</li> <li>• Rollback Journals</li> <li>• Search Engines Data</li> <li>• Search History</li> <li>• Session Databases</li> <li>• Site Engagement Statistics</li> <li>• Stored Favicons</li> </ul>

- Sync Data
- TLS Certificates
- Web Apps File System's Files
- Web Databases
- Budget Database
- Service Worker Cache
- Site Characteristics Database
- Software Reporter Tool Logs
- Network Persistence Statistics
- Extensions Cookies
- Language Statistics
- Setup Metrics Files
- Stored Website Permissions
- Update Files
- Invalid Certificates
- Stored Push Notifications
- Webcam Usage Statistics
- Microphone Usage Statistics
- Stored Zoom Data
- Browser Metrics Files
- Cached Script Code
- Stored Banner Information
- Cached WebAssembly Code
- Data Reduction Statistics
- Debug Log
- Heavy Ad Intervention Statistics
- Media Playback History
- Permission Notification History
- Stored Local FS Access Info
- Stored Location Permissions
- Stored NEL Data
- Stored Services Network Traffic
- Stored Session Commands
- Stored Sound Playback Settings
- Stored Tabs Commands
- Stored Translation Parameters
- Temporary Files
- Web Applications Daily Metrics
- Session Event Log
- Stored Usage Statistics
- Recent Tabs
- Removed Suggestions

	<ul style="list-style-type: none"> <li>• Stored Printing Information</li> <li>• Temporary Files</li> <li>• Webcam Usage Statistics</li> <li>• Stored Client Hints</li> <li>• Databases</li> <li>• Allowed Web Launch Apps Data</li> <li>• Stored Form Filling Metadata</li> <li>• Developer Tools Recent Files</li> <li>• Safe Browsing Event Timestamps</li> <li>• Safe Browsing Cookies</li> <li>• Stored Trust Tokens</li> <li>• LevelDB Databases</li> <li>• Update Usage Statistics</li> <li>• Stored Idle Detection Data</li> <li>• Optimization Guide Service Files</li> <li>• Crash Reports</li> <li>• Stored Bounce Tracking Data</li> <li>• Browsing History Journeys Data</li> <li>• Permission Auto-Revocation Data</li> <li>• Backup Files</li> <li>• CRX Package Cache</li> <li>• Stored FedCM IdP Data</li> <li>• Stored Interest Groups Data</li> <li>• Stored Media Devices Salts</li> <li>• Stored Cookie Controls Metadata</li> <li>• Stored Segmentation UKM</li> <li>• HTTP Allowed Sites Info</li> <li>• Stored Topics API Data</li> <li>• Stored Popups Data</li> <li>• Allowed Automatic Downloads</li> <li>• 3PCD Heuristics Grants</li> </ul>
<b>Skype</b>	<ul style="list-style-type: none"> <li>• Chat History</li> <li>• Call History</li> <li>• Stored Chat Properties</li> <li>• Stored Emoticons Information</li> <li>• Stored File Transfer Information</li> <li>• Stored Media Documents Information</li> <li>• Stored Media Transfer Information</li> <li>• Stored Video Devices Information</li> <li>• Voice Mail Records</li> <li>• Cache Files</li> <li>• Emoticons Cache</li> </ul>



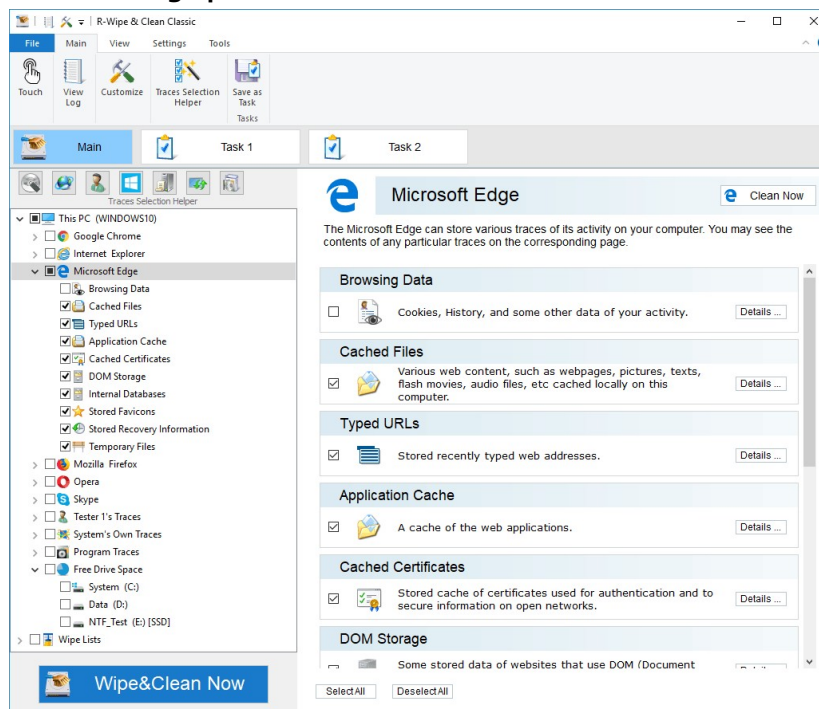
	<ul style="list-style-type: none"> <li>• Media Transfer Cache</li> <li>• Cookies</li> <li>• Sent SMS messages</li> <li>• Unauthorized Contacts</li> <li>• Auxiliary Traces</li> <li>• Business Intelligence Statistics</li> <li>• Internal Database</li> <li>• Cached Certificates</li> <li>• Rollback Journals</li> <li>• Logs</li> </ul>
--	--

### To clean traces of Internet activity,

- Select the required browser.

The browser's panel appears in the right pane. Depending on the browser, the content of its panel may vary.

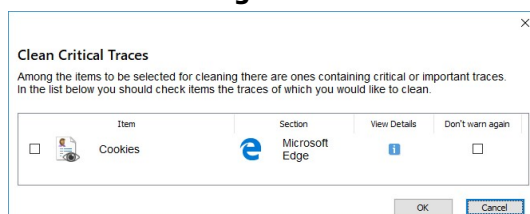
#### Microsoft Edge panel



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

The browser section may contain some critical items that may affect browser performance. **R-Wipe & Clean** will throw a warning about those items if you select the entire browser section.

#### Critical Item warning



Select these items only if you completely understand what you are doing.


















When **R-Wipe & Clean** finishes cleaning, the **Report** dialog box will appear showing cleaning results.

### More information on the items in Microsoft Edge

Depending on your browser, contents may vary. Below are the items for Microsoft Edge

Cache Files	<div><div><div><div><div><div></div><div>Cached Files</div><div>Clean Now</div></div></div><div><div>The Microsoft Edge web browser used to keep content, such as webpages, pictures, texts, flash movies, audio files, etc. locally on your computer.</div><div><div><div>container.dat</div><div>container.dat</div><div>container.dat</div><div>container.dat</div></div></div></div></div></div></div>
Browsing Data	<div><div><div><div><div><div></div><div>Browsing Data</div><div>Clean Now</div></div></div><div><div>These data contain Cookies, History, and some other data of your activity in the Microsoft Edge.</div><div><div><div>V01.chk</div><div>V01.log</div><div>V0100388.log</div><div>V0100389.log</div><div>V010038A.log</div><div>V01res00001.jrs</div><div>V01res00002.jrs</div><div>V01tmp.log</div><div>WebCacheV01.dat</div><div>WebCacheV01.frm</div></div></div></div></div></div></div>
Typed URLs	<div><div><div><div><div><div></div><div>Typed URLs</div><div>Clean Now</div></div></div><div><div>The Microsoft Edge web browser stores URL addresses of most recently viewed Webpages. You can view them in the drop-down list of the Microsoft Edge web browser Address bar.</div><div><div><div><div><div>Date and Time of Last Use</div><div>Number of Using</div><div>Typed URL</div></div><div><div><div>9/22/2015 8:22:18 PM</div><div>1</div><div>http://go.microsoft.com/fwlink/p/?LinkId=255141</div></div><div><div>10/30/2015 7:14:36 PM</div><div>1</div><div>http://192.168.1.1/</div></div><div><div>10/30/2015 7:15:19 PM</div><div>1</div><div>http://www.microsoft.com/</div></div><div><div>10/30/2015 7:15:52 PM</div><div>1</div><div>http://www.cnet.com/</div></div><div><div>10/30/2015 7:16:28 PM</div><div>1</div><div>http://www.google.com/</div></div><div><div>5/4/2016 9:14:29 PM</div><div>1</div><div>http://ubuntu.com/</div></div><div><div>8/5/2016 3:02:46 PM</div><div>1</div><div>http://code.google.com/p/cromfarplugs/</div></div><div><div>7/2/2018 10:35:38 PM</div><div>5</div><div>http://r-tt.com/</div></div><div><div>7/2/2018 10:38:50 PM</div><div>1</div><div>https://www.canada.ca/</div></div></div></div></div></div></div></div></div></div>
Application Cache	<div><div><div><div><div><div></div><div>Application Cache</div><div>Clean Now</div></div></div><div><div>The Application Cache makes it possible for the system to access a web application without a network connection and to work with it faster.</div><div><div><div><div><div>045d3532[1].js</div><div>0914eda5[1].css</div><div>169ba438[1].js</div><div>278b8440[1].js</div><div>40a19e4f[1].js</div><div>424a9e37[1].css</div><div>46d185c9[1].css</div><div>51ab3408[1].css</div><div>579e1ac5[1].js</div></div></div></div></div></div></div></div></div>
Cached Certification Files	<div><div><div><div><div><div></div><div>Cached Certificates</div><div>Clean Now</div></div></div><div><div>Your system may store a cache of certificates (digitally signed statements commonly used for authentication and to secure information on open networks).</div><div><div><div><div><div>http://certificates.godaddy.com/repository/gdigi2.crt</div><div>http://certificates.godaddy.com/repository/gdigi2.crt</div><div>http://crl.globalsign.net/primobj.crl</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctldl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div></div></div></div></div></div></div></div></div>
Cached DOM Files	<div><div><div><div><div><div></div><div>DOM Storage</div><div>Clean Now</div></div></div><div><div>Some webpages can be implemented with use of DOM (Document Object Model). In this list you can see web addresses of such webpages cached in this system.</div><div><div><div><div><div>a5763640713.cdn.optimizely[1].xml</div><div>assets.bouncexchange[1].xml</div><div>cdn.kxd[1].xml</div><div>docs.vmware[1].xml</div><div>filehippo[1].xml</div><div>microsoftedgewelcome.microsoft[1].xml</div><div>platform.twitter[1].xml</div><div>sourceforge[1].xml</div><div>support.microsoft[1].xml</div><div>time[1].xml</div><div>video.fonews[1].xml</div></div></div></div></div></div></div></div></div>



Download History	<div><div>Download History</div><div></div></div> <p>List of downloaded files. When cleaning this list you do not remove the files, only their records.</p> <div></div>																																																																	
Typed URLs	<div><div>Typed URLs</div><div></div></div> <p>The Internet Explorer web browser stores URL addresses of most recently viewed Webpages. You can view them in the drop-down list of the Internet Explorer web browser Address bar.</p> <div><table><tr><th>Date and Time</th><th>Typed URL</th></tr><tr><td>1/18/2018 11:50:13 PM</td><td>http://inkscape.org/</td></tr><tr><td>1/18/2018 11:50:55 PM</td><td>http://google.com/</td></tr><tr><td>7/3/2018 6:38:17 PM</td><td>http://canada.ca/</td></tr><tr><td>7/3/2018 6:40:11 PM</td><td>http://foxnews.com/</td></tr><tr><td>7/4/2018 12:30:13 AM</td><td>https://www.r-tt.com/</td></tr></table></div>	Date and Time	Typed URL	1/18/2018 11:50:13 PM	http://inkscape.org/	1/18/2018 11:50:55 PM	http://google.com/	7/3/2018 6:38:17 PM	http://canada.ca/	7/3/2018 6:40:11 PM	http://foxnews.com/	7/4/2018 12:30:13 AM	https://www.r-tt.com/																																																					
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7/3/2018 6:38:17 PM	http://canada.ca/																																																																	
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7/4/2018 12:30:13 AM	https://www.r-tt.com/																																																																	
Form Data	<div><div>Form Data</div><div></div></div> <p>Stored entries you have entered in forms on webpages.</p> <div></div>																																																																	
DOM Storage	<div><div>DOM Storage</div><div></div></div> <p>Some webpages can be implemented with use of DOM (Document Object Model). In this list you can see web addresses of such webpages cached in this system.</p> <div><div><div><div>a.farlex[1].xml</div><div>a3698060313.cdn.optimizely[1].xml</div><div>a5763640713.cdn.optimizely[1].xml</div><div>ads.pubmatic[1].xml</div><div>c5b67c7.ssl.hwcdn[1].xml</div><div>cdn.castplatform[1].xml</div><div>cdn.districtm[1].xml</div></div></div></div>																																																																	
Extensions Statistics	<div><div>Extensions Statistics</div><div></div></div> <p>Internet Explorer can store information about using its add-ons such as ActiveX controls, browser extensions, browser helper objects, or toolbars.</p> <div><table><tr><th>Extension Name</th><th>Last Access Time</th><th>Number of Using</th><th>Number of Blocking</th><th>Average</th></tr><tr><td>{34E60F0-8825-4AD6-ABED-ADC2F358F2C9}</td><td>7/27/2016 3:11:05 PM</td><td>1</td><td>1</td><td></td></tr><tr><td>HTML Document</td><td>5/21/2018 10:13:24 PM</td><td>8</td><td></td><td></td></tr><tr><td>Microsoft Shell UI Helper</td><td>7/27/2016 3:10:41 PM</td><td>1</td><td>1</td><td></td></tr><tr><td>Microsoft Web Browser</td><td>7/3/2018 6:41:39 PM</td><td>1</td><td></td><td></td></tr><tr><td>Scripting.Dictionary</td><td>7/27/2016 3:10:41 PM</td><td>1</td><td>1</td><td></td></tr><tr><td>Shockwave Flash Object</td><td>7/3/2018 6:41:33 PM</td><td>68</td><td>40</td><td></td></tr><tr><td>Tabular Data Control</td><td>7/27/2016 3:10:41 PM</td><td>1</td><td>1</td><td></td></tr><tr><td>VLC ActiveX Plugin and IE Web Plugin v2</td><td></td><td></td><td></td><td></td></tr><tr><td>Windows Media Player</td><td>5/21/2018 10:14:21 PM</td><td>8</td><td>1</td><td></td></tr><tr><td>XML DOM Document</td><td>7/4/2018 12:30:31 AM</td><td>39</td><td>1</td><td></td></tr><tr><td>XML DOM Document</td><td>7/3/2018 6:42:03 PM</td><td>4</td><td></td><td></td></tr><tr><td>XML HTTP</td><td>7/27/2016 3:10:41 PM</td><td>1</td><td>1</td><td></td></tr></table></div>	Extension Name	Last Access Time	Number of Using	Number of Blocking	Average	{34E60F0-8825-4AD6-ABED-ADC2F358F2C9}	7/27/2016 3:11:05 PM	1	1		HTML Document	5/21/2018 10:13:24 PM	8			Microsoft Shell UI Helper	7/27/2016 3:10:41 PM	1	1		Microsoft Web Browser	7/3/2018 6:41:39 PM	1			Scripting.Dictionary	7/27/2016 3:10:41 PM	1	1		Shockwave Flash Object	7/3/2018 6:41:33 PM	68	40		Tabular Data Control	7/27/2016 3:10:41 PM	1	1		VLC ActiveX Plugin and IE Web Plugin v2					Windows Media Player	5/21/2018 10:14:21 PM	8	1		XML DOM Document	7/4/2018 12:30:31 AM	39	1		XML DOM Document	7/3/2018 6:42:03 PM	4			XML HTTP	7/27/2016 3:10:41 PM	1	1	
Extension Name	Last Access Time	Number of Using	Number of Blocking	Average																																																														
{34E60F0-8825-4AD6-ABED-ADC2F358F2C9}	7/27/2016 3:11:05 PM	1	1																																																															
HTML Document	5/21/2018 10:13:24 PM	8																																																																
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Scripting.Dictionary	7/27/2016 3:10:41 PM	1	1																																																															
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VLC ActiveX Plugin and IE Web Plugin v2																																																																		
Windows Media Player	5/21/2018 10:14:21 PM	8	1																																																															
XML DOM Document	7/4/2018 12:30:31 AM	39	1																																																															
XML DOM Document	7/3/2018 6:42:03 PM	4																																																																
XML HTTP	7/27/2016 3:10:41 PM	1	1																																																															
Stored Favorites Order																																																																		

#### 2.4.2.2 Cleaning Personal Traces

You may clean various logs, caches, [temporary files](#), and very many traces of your activity in the system.

You may include personal traces cleaning into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

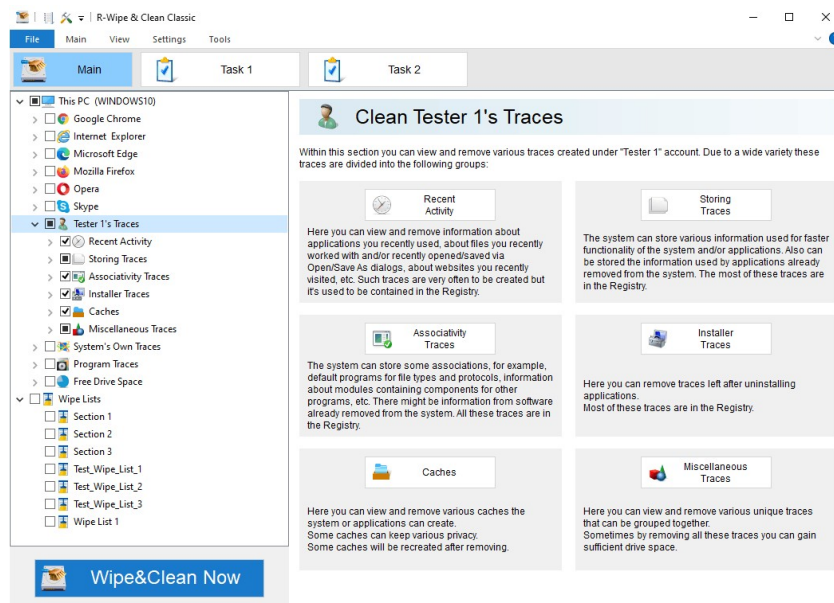
The list of items visible on the **Personal Traces** panel can be edited on the [Customize](#) panel. These items are user-specific, their contents are individual for each user.

#### To clean your personal traces ,

- Select the tab with your login name.

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

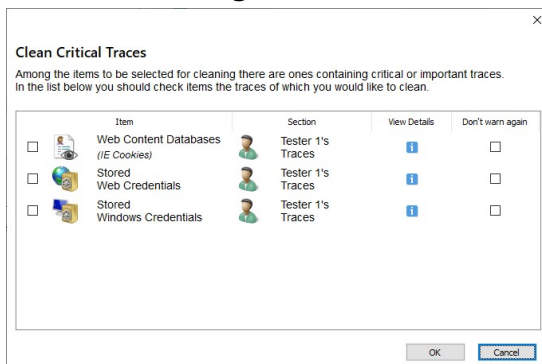
## Personal traces panel



- Go to the required section(s) and select the required items.

The section may contain some critical items that may affect system performance. **R-Wipe & Clean** will throw a warning about these items if you select the entire section.

### Critical Item warning



Select these items only if you completely understand what you are doing.

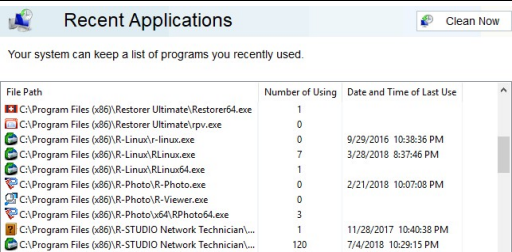
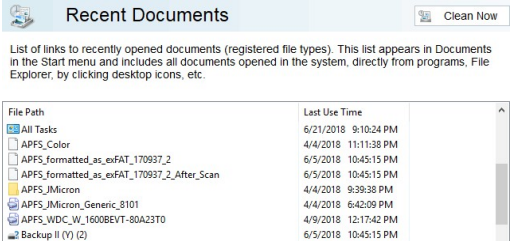
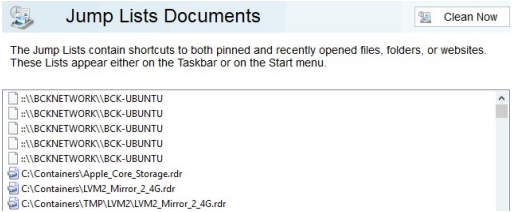
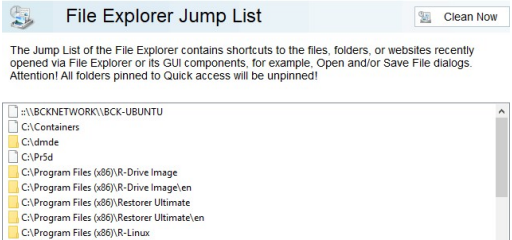
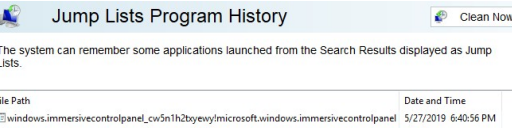
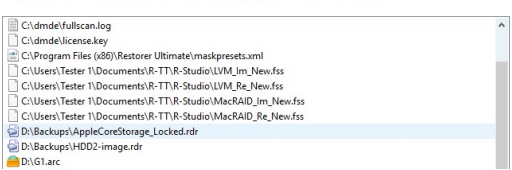
- Click the **Clean Now** button.

**R-Wipe & Clean** will start cleaning the computer, and the **Deleting and wiping** dialog box will appear showing the progress of cleaning.

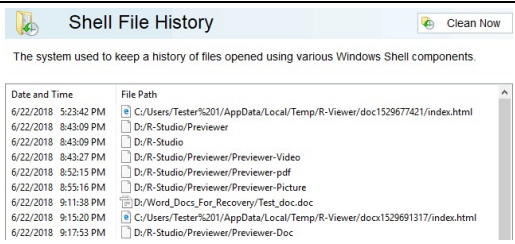
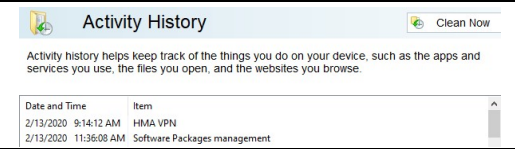
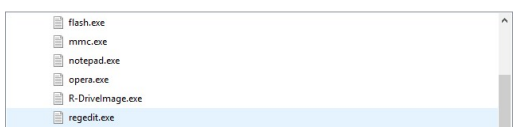
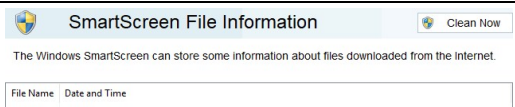
**Personal traces are divided into six parts:**

### Recent Activity: More Information...

This part allows you to inspect and clean your various recent traces like recently run applications, recent documents, recently visited web sites, etc. Most of these traces are stored in the Registry.


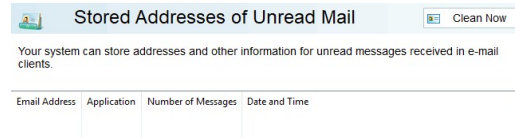
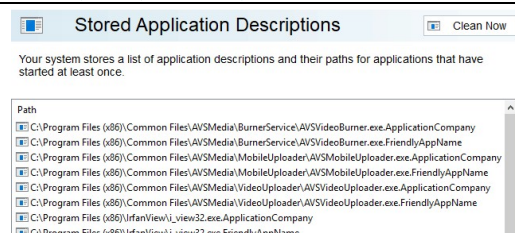
Recent Applications	 <p><b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.</p>
Recent Documents	 <p><b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.</p>
Jump Lists	 <p><b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.</p>
File Explorer Jump List	 <p><b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.</p>
Jump Lists Program History	
Open File History	



	<p><b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.</p>
Shell File History	 <p><b>Attention!</b> When deleting and wiping the cache, you <b>do not remove</b> the extensions, only their cached copies.</p>
Activity History (Windows 10+)	
Dialog Box Traces	
SmartScreen File Information	

### Storing Traces: More Information...

























This part allows you to inspect and clean some data (mostly insignificant) of your recent activity. Most of these traces are stored in the Registry.

Recent Network folders	
Stored addresses of unread mail	
Stored Application Descriptions	



Stored Applications Compatibility Settings	<div><div><div><div><div></div><div>Stored Application Compatibility Settings</div><div><div>Clean Now</div></div></div><div><div>Your system can store various compatibility settings of applications already removed from the system.</div><div><div>Path</div><div><div>C:\Program Files\TRENDnet\TEW-424UB\WlanCU.exe</div><div>C:\Program Files\TrueCrypt\TrueCrypt Setup.exe</div><div>C:\Program Files\TrueCrypt\TrueCrypt.exe</div></div></div></div></div></div></div>
Stored Browser Plugins Information	<div><div><div><div><div></div><div>Stored Browser Plugins Information</div><div><div>Clean Now</div></div></div><div><div>The system can keep some information about web browser plugins already removed from the system.</div><div><div><div>NameDescriptionCompanyVersionPath</div></div></div></div></div></div></div>
Stored Control Panel Extensions	<div><div><div><div><div></div><div>Stored Control Panel Extensions</div><div><div>Clean Now</div></div></div><div><div>Your system can store some information about Control Panel Extensions. Attention! When cleaning this cache, you do not remove the extensions, only their cached copies.</div><div><div><div><div>NameComments</div><div><div><div>Flash Player</div><div>Manage Flash Player Settings</div></div><div><div>R-Crypto</div><div>Manage the R-Crypto Settings.</div></div><div><div>Realtek HD Audio Manager</div><div>Realtek HD Audio Control Panel</div></div></div></div></div></div></div></div></div></div>
Stored Custom GPU Settings (Windows 10+)	<div><div><div><div><div></div><div>Stored Custom GPU Settings</div><div><div>Clean Now</div></div></div><div><div>The system lets applications to customize graphics performance in that to provide better app performance or save battery life. After removing those apps, these settings can still remain in the system.</div><div><div><div>NameComments</div></div></div></div></div></div></div>
Stored Desktop Shortcut Paths	<div><div><div><div><div></div><div>Stored Desktop Shortcut Paths</div><div><div>Clean Now</div></div></div><div><div>The system can store Desktop shortcut and target paths to applications already removed from the system.</div><div><div><div>Shortcut PathTarget Path</div></div></div></div></div></div></div>
Stored Explorer View Settings	<div><div><div><div><div></div><div>Stored Explorer View Settings</div><div><div>Clean Now</div></div></div><div><div>Your system stores a list of folders for which you changed settings in the View menu in File Explorer.</div><div><div><div><div>VirtualMachines</div><div><div>&gt; VM</div><div>Win10</div></div><div>&gt; </div><div>&gt; </div><div><div>(679F85CB-0220-4080-B298-5540CC05AAB6)</div><div><div>Computers and Devices</div><div>Control Panel</div></div></div></div></div></div></div></div></div></div>
Stored File Virtualization	<div><div><div><div><div></div><div>Stored File Virtualization</div><div><div>Clean Now</div></div></div><div><div>The System can virtualize some files that require Administrative privileges for changes, if some application running without such privileges tries to make changes in those files.</div><div><div><div><div>BOOTNXT</div><div><div>Program Files</div><div><div>TRENDnet</div></div></div><div>ProgramData</div><div><div>Mozilla</div></div><div>Windows</div><div><div>comsetup.log</div><div>debug</div><div>Dtinstall.log</div><div>flash.fpr</div></div></div></div></div></div></div></div></div>
Stored FTP Accounts	<div><div><div><div><div></div><div>Stored FTP Accounts</div><div><div>Clean Now</div></div></div><div><div>Your system stores information used for connecting to FTP sites.</div><div><div><div>FTP AddressUser Name</div></div></div></div></div></div></div>
Stored FTP Folders	<div><div><div><div><div></div><div>Stored FTP Folders</div><div><div>Clean Now</div></div></div><div><div>Your system stores links to FTP folders you visited in File Explorer itself or programs using it as an FTP client.</div><div><div><div><div>Folder PathTime of Last Use</div><div><div>.com/fwlink/?linkid=84184910/21/2017 12:49:27 AM</div></div></div></div></div></div></div></div></div>
Stored Microphone Usage Info (Windows 10+)	<div><div><div><div><div></div><div>Stored Microphone Usage Info</div><div><div>Clean Now</div></div></div><div><div>The system may store some information about microphone usage in applications.</div><div><div><div><div>ApplicationPermissionStart TimeFinish Time</div></div></div></div></div></div></div></div>





Stored Sound Schemes	<div><div></div><div>Stored Sound Schemes</div><div></div></div> <p>A sound scheme is a set of sounds applied to various events in applications. Your system can keep the sound schemes of applications already removed from the system.</p> <table><tr><td>Application</td><td>Program Event</td><td>Sound Scheme</td><td>Sound</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Application	Program Event	Sound Scheme	Sound														
Application	Program Event	Sound Scheme	Sound																
Stored Start Menu Items	<div><div></div><div>Stored Start Menu Items</div><div></div></div> <p>In the All Programs section of the Start Menu your system can store some items (such as shortcuts and folders) linked to applications already removed from the system.</p> <table><tr><td>Application</td><td>Description</td><td>Location in the Start Menu</td><td>Path</td></tr><tr><td>R-Studio Help</td><td></td><td>All Programs -&gt; R-STUDIO Network Technician</td><td>C:\Program Files (x86)\R-STUDIO Network</td></tr></table>	Application	Description	Location in the Start Menu	Path	R-Studio Help		All Programs -> R-STUDIO Network Technician	C:\Program Files (x86)\R-STUDIO Network										
Application	Description	Location in the Start Menu	Path																
R-Studio Help		All Programs -> R-STUDIO Network Technician	C:\Program Files (x86)\R-STUDIO Network																
Stored Startup Applications Info	<div><div></div><div>Stored Startup Applications Info</div><div></div></div> <p>Your system can store some information about applications launched during logon and already removed from the system.</p> <table><tr><td>Application</td><td>Description</td><td>Path</td></tr><tr><td></td><td></td><td></td></tr></table>	Application	Description	Path															
Application	Description	Path																	
Stored UWP Programs Window Sizes	<div><div></div><div>Stored UWP Programs Window Sizes</div><div></div></div> <p>The system can store main window screen position of the UWP (Universal Windows Platform) programs and games already removed from the system.</p> <table><tr><td></td></tr></table>																		
Stored Webcam Usage Info (Windows 10+)	<div><div></div><div>Stored Webcam Usage Info</div><div></div></div> <p>The system may store some information about webcam usage in applications.</p> <table><tr><td>Application</td><td>Permission</td><td>Start Time</td><td>Finish Time</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Application	Permission	Start Time	Finish Time														
Application	Permission	Start Time	Finish Time																
Stored Web Credentials	<div><div></div><div>Stored Web Credentials</div><div></div></div> <p>The Credential Manager allows you to store credentials, such as user names and passwords that you use to log on to websites.</p> <table><tr><td>Web Address</td><td>User Name</td></tr><tr><td></td><td></td></tr></table>	Web Address	User Name																
Web Address	User Name																		
Stored Windows Credentials	<div><div></div><div>Stored Windows Credentials</div><div></div></div> <p>Credential Manager allows you to store credentials, such as user names and passwords that you use to log on to other computers on a network.</p> <table><tr><td>Server</td><td>User Name</td><td>Persistence Type</td><td>Last Modification Date and Time</td></tr><tr><td>Microsoft_PaidConnectivity_WiFi_AccessToken</td><td></td><td>Local Machine</td><td>11/20/2017 10:05:52 PM</td></tr></table>	Server	User Name	Persistence Type	Last Modification Date and Time	Microsoft_PaidConnectivity_WiFi_AccessToken		Local Machine	11/20/2017 10:05:52 PM										
Server	User Name	Persistence Type	Last Modification Date and Time																
Microsoft_PaidConnectivity_WiFi_AccessToken		Local Machine	11/20/2017 10:05:52 PM																
Taskbar Badges Update Statistics	<div><div></div><div>Taskbar Badges Update Statistics</div><div></div></div> <p>The system can remember the number of the badge updates of each program on the Taskbar.</p> <table><tr><td>Application</td><td>Number of Updates</td></tr><tr><td></td><td></td></tr></table>	Application	Number of Updates																
Application	Number of Updates																		
Taskbar Button Click Statistics	<div><div></div><div>Taskbar Button Click Statistics</div><div></div></div> <p>The system can remember the number of times the Taskbar buttons are clicked.</p> <table><tr><td>Button</td><td>Number of Clicks</td></tr><tr><td>Clock</td><td>1</td></tr><tr><td>NotificationCenter</td><td>1</td></tr><tr><td>Start</td><td>82</td></tr></table>	Button	Number of Clicks	Clock	1	NotificationCenter	1	Start	82										
Button	Number of Clicks																		
Clock	1																		
NotificationCenter	1																		
Start	82																		
Taskbar Favorites Statistics	<div><div></div><div>Taskbar Favorites Statistics</div><div></div></div> <p>The system can store various data about the Taskbar Favorites usage.</p> <table><tr><td>Parameter</td><td>Value</td></tr><tr><td>Number of Favorites Changes</td><td>72</td></tr></table>	Parameter	Value	Number of Favorites Changes	72														
Parameter	Value																		
Number of Favorites Changes	72																		
Taskbar Jump View Statistics	<div><div></div><div>Taskbar Jump View Statistics</div><div></div></div> <p>The system can remember the number of displays of Jump Views for each program on the Taskbar.</p> <table><tr><td>Application</td><td>Number of Displays</td></tr><tr><td></td><td></td></tr></table>	Application	Number of Displays																
Application	Number of Displays																		
Taskbar Program Launch Statics	<div><div></div><div>Taskbar Program Launch Statistics</div><div></div></div> <p>The system can remember the number of launching programs pinned to the Taskbar.</p> <table><tr><td>Application</td><td>Number of Launches</td></tr><tr><td>C:\Program Files\Far Manager\Far.exe</td><td>14</td></tr><tr><td>C:\Program Files\HTML Help Workshop\flash.exe</td><td>3</td></tr><tr><td>C:\WINDOWS\system32\services.msc</td><td>15</td></tr><tr><td>E7CF176E110C211B</td><td>2</td></tr><tr><td>Microsoft.AutoGenerated.{8ABD94FB-E7D6-84A6-A997-C918EDDE0AE5}</td><td>2</td></tr><tr><td>Microsoft.Windows.ControlPanel</td><td>2</td></tr><tr><td>Microsoft.Windows.Explorer</td><td>3</td></tr><tr><td>OperaSoftware.OperaWebBrowser.1411410310</td><td>1</td></tr></table>	Application	Number of Launches	C:\Program Files\Far Manager\Far.exe	14	C:\Program Files\HTML Help Workshop\flash.exe	3	C:\WINDOWS\system32\services.msc	15	E7CF176E110C211B	2	Microsoft.AutoGenerated.{8ABD94FB-E7D6-84A6-A997-C918EDDE0AE5}	2	Microsoft.Windows.ControlPanel	2	Microsoft.Windows.Explorer	3	OperaSoftware.OperaWebBrowser.1411410310	1
Application	Number of Launches																		
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Microsoft.Windows.ControlPanel	2																		
Microsoft.Windows.Explorer	3																		
OperaSoftware.OperaWebBrowser.1411410310	1																		

## Taskbar Program Switching Statistics

 **Taskbar Program Switching Statistics** 



The system can remember the number of switching of each program on the Taskbar.

Application	Number of Switchings

**Associativity Traces: More Information...**

This part allows you to inspect and clean information of file type association (file types, protocols, etc.) for already removed applications. Most of these traces are stored in the Registry.



## Stored COM Class Identifiers

 **Stored COM Class Identifiers of Tester 1** 

Your system can keep the Class Identifiers of COM (Component Object Model) objects contained in applications already removed from the system.

Name	Path	Program ID	Application
ErrorOverlayHandler2 Class	C:\Users\Tester 1\AppData\Local\Microsoft\OneDrive\17.3.6816.0313\FileSyncShell.dll		
SyncingOverlayHandler2 Class	C:\Users\Tester 1\AppData\Local\Microsoft\OneDrive\17.3.6816.0313\FileSyncShell.dll		
UpToDateOverlayHandler2 Class	C:\Users\Tester 1\AppData\Local\Microsoft\OneDrive\17.3.6816.0313\FileSyncShell.dll		



## Stored Custom File Type Associations

 **Stored Custom File Type Associations** 

The system can store custom associations of file types with applications already removed from the system.  
Pay attention! Only extensions with "Yes" in the "Will be Deleted" column will be unregistered (removed).  
For others only links to applications already removed from the system will be deleted.

File Name Extension	Will be Deleted	File Type	Program ID	Application
.264	No			ab
.264	No			abc
.264	No			abcd
.264	No			a



## Stored File Types

 **Stored File Types of Tester 1** 

Your system can keep the filename extensions recognized by applications already removed from the system.  
Pay attention! Only extensions with "Yes" in the "Will be Deleted" column will be unregistered (removed).  
For others only links to applications already removed from the system will be deleted.

File Name Extension	Will be Deleted	File Type	Program ID	Application
.3ds	Yes			
.css	Yes			
.dae	Yes			
.dxf	Yes			
.pano	Yes			
.tga	Yes			



## Stored MIME Types

 **Stored MIME Types of Tester 1** 

Your system can keep the MIME (Multipurpose Internet Mail Extensions) types registered by applications already removed from the system.

MIME Type	File Name Extension

## Stored Program Identifiers

 **Stored Program Identifiers of Tester 1** 

Your system can keep the program identifiers of removed applications.

Program ID	File Type	Path
OneDrive:WebAction	URL: OneDrive Client Protocol	

**Installer Traces: More Information...**

This part allows you to inspect and clean information from various installers and clean traces left after uninstalling applications. Most of these traces are stored in the Registry.

## App Installer Traces



 **App Installer Traces** 

Microsoft App Installer makes sideloading Microsoft Store apps easy.

☒ Activity Logs

☒ Diagnostics Logs

## Stored Installation Information

 **Stored Installation Information of Tester 1** 

Your system can store some information from the distribution kits of applications already removed from the system.

Application	Application Icon Path	Package Path	Source Paths

## Stored Installer Components Paths

 **Stored Installer Component Paths of Tester 1** 





Windows Installer can store paths used during the installation of some component(s) of some program(s) or service(s).

--

Stored Installer Packages	<div><div><div><div><div><div></div><div>Stored Installer Packages of Tester 1</div><div>Clean Now</div></div></div><div>Your system can store Windows Installer package files of applications already removed from the system.</div><div><div>Package Path</div><div>Name</div><div>Version</div><div>Publisher</div><div>Date of Installation</div><div>Source Path</div><div>Installation Path</div></div></div></div></div>
Stored Installer Registry Keys	<div><div><div><div><div><div></div><div>Stored Installer Registry Keys of Tester 1</div><div>Clean Now</div></div></div><div>Windows installer can store the Registry key names which were used during the installation of some program(s) or service(s).</div><div></div></div></div></div>
Stored UWP Programs Uninstall Time	<div><div><div><div><div><div></div><div>Stored UWP Programs Uninstall Time</div><div>Clean Now</div></div></div><div>The system can remember the time of the UWP (Universal Windows Platform) programs and games uninstall.</div><div><div><div><div>Package Name</div><div>Uninstall Time</div></div><div><div>Cortana.ListenUIApp_cw5n1h2zyewy</div><div>10/21/2017 1:07:08 AM</div></div><div><div>Desktop.Learning_cw5n1h2zyewy</div><div>10/21/2017 1:07:08 AM</div></div><div><div>Desktop.View_cw5n1h2zyewy</div><div>10/21/2017 1:07:12 AM</div></div><div><div>Environments.App_cw5n1h2zyewy</div><div>10/21/2017 1:07:13 AM</div></div><div><div>Holo.Camera_cw5n1h2zyewy</div><div>10/21/2017 1:07:16 AM</div></div></div></div></div></div></div>
Store Policy Check Cache	<div><div><div><div><div><div></div><div>Store Policy Check Cache</div><div>Clean Now</div></div></div><div>Each UWP (Universal Windows Platform) program is checked for compliance with Microsoft Store policies during installation.</div><div><div><div>Microsoft.AsyncTextService_8wekyb3d8bbwe</div><div>Microsoft.HEIFImageExtension_8wekyb3d8bbwe</div><div>Microsoft.MicrosoftEdgeDevToolsClient_8wekyb3d8bbwe</div><div>Microsoft.MixedReality.Portal_8wekyb3d8bbwe</div><div>Microsoft.ScreenSketch_8wekyb3d8bbwe</div></div></div></div></div></div>
Suggested UWP Programs	<div><div><div><div><div><div></div><div>Suggested UWP Programs</div><div>Clean Now</div></div></div><div>The Microsoft Store can suggest to install various UWP (Universal Windows Platform) programs and games.</div><div><div><div><div>Package Name</div><div>Number of Suggestions</div></div><div><div>9E2F8BE3.Twitter_wgeqdkk372wm</div><div>1</div></div><div><div>Facebook.317180B0B846_8o8rvfw5nnt</div><div>1</div></div><div><div>Facebook.Facebook_8o8rvfw5nnt</div><div>1</div></div><div><div>Facebook.InstagramBeta_8o8rvfw5nnt</div><div>1</div></div><div><div>microsoft.micosoftskydrive_8wekyb3d8bbwe</div><div>1</div></div></div></div></div></div></div>
WWEP Traces (Windows 10 and higher)	<div><div><div><div><div><div></div><div>WWEP Traces</div><div>Clean Now</div></div></div><div>Windows Web Experience Pack (WWEP) is responsible for updating core web components used by Store applications.</div><div><div><div><div><div><div><div></div><div>Cached Web Files</div></div><div><div></div><div>Cache Files</div></div><div><div></div><div>Cookies</div></div><div><div></div><div>Metrics Files</div></div><div><div></div><div>Rollback Journals</div></div><div><div></div><div>Session Event Log</div></div><div><div></div><div>Site Engagement Statistics</div></div><div><div></div><div>Stored Bounce Tracking Data</div></div><div><div></div><div>Token Broker Cache</div></div><div><div></div><div>Tracking Prevention Data</div></div><div><div></div><div>Tracking Relationship Data</div></div></div></div></div></div></div></div></div></div>

### Caches: More Information...

This part allows you to inspect and clean some [data caches](#). Some caches will be created again.

Cached Certificates	<div><div></div><div>Cached Certificates</div><div></div></div> <p>Your system may store a cache of certificates (digitally signed statements commonly used for authentication and to secure information on open networks).</p> <div><div><div><div>http://crl.globalsign.net/primobject.crl</div><div>http://crl.globalsign.net/Root.crl</div><div>http://crl.globalsign.net/root-r2.crl</div><div>http://crl.globalsign.net/root-r3.crl</div><div>http://crl.sca1b.amazontrust.com/sca1b.crl</div><div>http://crl.verisign.com/pca3.crl</div><div>http://crl.verisign.com/tsa-ca.crl</div><div>http://ctdl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authorityrootstl.cab</div><div>http://ctdl.windowsupdate.com/msdownload/update/v3/static/trusted/en/disallowedcertstl.cab</div></div></div></div>
Cached GDI+ Fonts	<div><div></div><div>Cached GDI+ Fonts</div><div></div></div> <p>Your system stores a cache of GDI+ fonts installed in the system. Attention! When deleting and wiping this cache, you do not remove the GDI+ fonts, only their cached copies.</p> <div></div>

Cached Icons	<div> <b>Cached Icons</b> <span>Clean Now</span> </div> <p>Your system stores a cache of icons of applications that have started at least once to show them faster in Taskbar, Desktop, Start menu, and Program icons. Attention! When deleting and wiping this cache, you do not remove the files, only their cached copies.</p> <div> <ul style="list-style-type: none"> <li>c:\program files (x86)\openoffice 4\program\soffice.exe</li> <li>c:\program files (x86)\opera\launcher.exe</li> <li>c:\program files (x86)\opera\launcher.exe</li> <li>c:\program files (x86)\r-drive image\r-driveimage.exe</li> <li>c:\program files (x86)\r-drive image\r-driveimage.exe</li> </ul> </div>										
Cached Shell Extensions											
Cached Web Content	<div> <b>Cached Web Content</b> <span>Clean Now</span> </div> <p>Here's a cache of various web content (web pages, images, sounds, video, animations, etc) viewed in applications that use system components for viewing web content.</p> <div> <ul style="list-style-type: none"> <li>Cookiecutter 1@d.castplatform.com/</li> <li>Cookiecutter 1@ieonline.microsoft.com/</li> <li>Cookiecutter 1@live.com/</li> <li>Cookiecutter 1@microsoft.com/</li> </ul> </div>										
Direct3D Shader Cache	<div> <b>Direct3D Shader Cache</b> <span>Clean Now</span> </div> <p>The Direct3D Shader Caching Library of the System can create a cache of its files.</p> <table> <thead> <tr> <th>File Name</th> <th>Last Modification Time</th> </tr> </thead> <tbody> </tbody> </table>	File Name	Last Modification Time								
File Name	Last Modification Time										
Feeds Cache	<div> <b>Feeds Cache</b> <span>Clean Now</span> </div> <p>Some applications that use web content may create a cache of the web feeds.</p> <table> <thead> <tr> <th>File Name</th> <th>Last Modification Time</th> </tr> </thead> <tbody> <tr> <td>container.dat</td> <td>9/23/2014 6:13:36 AM</td> </tr> </tbody> </table>	File Name	Last Modification Time	container.dat	9/23/2014 6:13:36 AM						
File Name	Last Modification Time										
container.dat	9/23/2014 6:13:36 AM										
GPU Shader Cache	<div> <b>GPU Shader Cache</b> <span>Clean Now</span> </div> <p>A shader is a program that runs on the GPU (Graphics Processing Unit) performing specific rendering tasks.</p> <table> <thead> <tr> <th>File Name</th> <th>Last Modification Time</th> </tr> </thead> <tbody> </tbody> </table>	File Name	Last Modification Time								
File Name	Last Modification Time										
Notification Cache	<div> <b>Notifications Cache</b> <span>Clean Now</span> </div> <p>Your system can create a cache of the notifications of the applications pinned to the Start Screen.</p> <table> <thead> <tr> <th>File Name</th> <th>Last Modification Time</th> </tr> </thead> <tbody> <tr> <td>107f6e5a.jpg</td> <td>8/16/2016 11:15:32 PM</td> </tr> <tr> <td>10a7002d.png</td> <td>10/30/2016 10:53:22 PM</td> </tr> <tr> <td>10b5396.jpg</td> <td>7/8/2016 9:04:24 AM</td> </tr> <tr> <td>10bf2c1e.jpg</td> <td>11/23/2016 8:27:28 PM</td> </tr> </tbody> </table>	File Name	Last Modification Time	107f6e5a.jpg	8/16/2016 11:15:32 PM	10a7002d.png	10/30/2016 10:53:22 PM	10b5396.jpg	7/8/2016 9:04:24 AM	10bf2c1e.jpg	11/23/2016 8:27:28 PM
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Security Token Service Cache	<div> <b>Security Token Service Cache</b> <span>Clean Now</span> </div> <p>The Security Token Service provides brokered authentication by security tokens for Web services.</p> <table> <thead> <tr> <th>File Name</th> <th>Last Modification Time</th> </tr> </thead> <tbody> <tr> <td>8d68c2e8263ce2da4efc5fc59a0c85c16c38ae4tbrs</td> <td>11/16/2015 9:53:37 PM</td> </tr> </tbody> </table>	File Name	Last Modification Time	8d68c2e8263ce2da4efc5fc59a0c85c16c38ae4tbrs	11/16/2015 9:53:37 PM						
File Name	Last Modification Time										
8d68c2e8263ce2da4efc5fc59a0c85c16c38ae4tbrs	11/16/2015 9:53:37 PM										
Thumbnail Caches	<div> <b>Thumbnails Cache</b> <span>Clean Now</span> </div> <p>Your system uses file-specific thumbnail images in all views, in dialogs, and for any file type that provides them. For faster access, the thumbnail images are cached and stored in sets of discrete sizes.</p> <table> <thead> <tr> <th>File Name</th> <th>Last Modification Time</th> </tr> </thead> <tbody> <tr> <td>iconcache_1280.db</td> <td>10/21/2017 1:07:35 AM</td> </tr> <tr> <td>iconcache_16.db</td> <td>10/21/2017 1:07:35 AM</td> </tr> <tr> <td>iconcache_1920.db</td> <td>10/21/2017 1:07:35 AM</td> </tr> <tr> <td>iconcache_256.db</td> <td>5/10/2018 9:58:50 PM</td> </tr> </tbody> </table>	File Name	Last Modification Time	iconcache_1280.db	10/21/2017 1:07:35 AM	iconcache_16.db	10/21/2017 1:07:35 AM	iconcache_1920.db	10/21/2017 1:07:35 AM	iconcache_256.db	5/10/2018 9:58:50 PM
File Name	Last Modification Time										
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iconcache_1920.db	10/21/2017 1:07:35 AM										
iconcache_256.db	5/10/2018 9:58:50 PM										
Windows Search Databases	<div> <b>Windows Search Cache Files</b> <span>Clean Now</span> </div> <p>Indexing can cache files with detailed information about files used by Windows to perform very fast searches of the most common files on your computer.</p> <table> <thead> <tr> <th>File Name</th> <th>Last Modification Time</th> </tr> </thead> <tbody> </tbody> </table>	File Name	Last Modification Time								
File Name	Last Modification Time										

### Miscellaneous Traces: More Information...

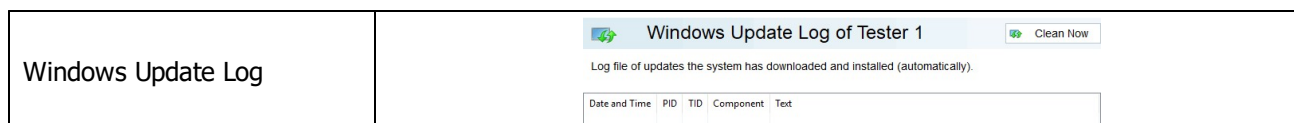
This part allows you to inspect and clean some miscellaneous traces from various sources. Cleaning these traces may give you some sufficient drive space.

Temporary Files and Folders	<div> <b>Temporary Files and Folders of Tester 1</b> <span>Clean Now</span> </div> <p>List of temporary files and folders created by your programs.</p> <table> <thead> <tr> <th>File or Folder Name</th> <th>Last Modification Time</th> </tr> </thead> <tbody> <tr> <td>0B09C2F4-3905-47E3-8F1A-1A8B13C2A901</td> <td>7/10/2018 7:15:32 PM</td> </tr> <tr> <td>amc367D.tmp.LOG1</td> <td>11/29/2017 9:24:27 PM</td> </tr> <tr> <td>amc367D.tmp.LOG2</td> <td>11/29/2017 9:24:27 PM</td> </tr> <tr> <td>amc367D.tmp.LOG1</td> <td>2/8/2018 10:20:06 PM</td> </tr> </tbody> </table>	File or Folder Name	Last Modification Time	0B09C2F4-3905-47E3-8F1A-1A8B13C2A901	7/10/2018 7:15:32 PM	amc367D.tmp.LOG1	11/29/2017 9:24:27 PM	amc367D.tmp.LOG2	11/29/2017 9:24:27 PM	amc367D.tmp.LOG1	2/8/2018 10:20:06 PM
File or Folder Name	Last Modification Time										
0B09C2F4-3905-47E3-8F1A-1A8B13C2A901	7/10/2018 7:15:32 PM										
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amc367D.tmp.LOG2	11/29/2017 9:24:27 PM										
amc367D.tmp.LOG1	2/8/2018 10:20:06 PM										









### 2.4.2.3 Cleaning System's Own Traces

You may clear system traces such as registry traces, temp files, system history, [caches](#), and various log files. You may see the contents of any particular item on its respective panel.

You may also include system's own traces cleaning into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

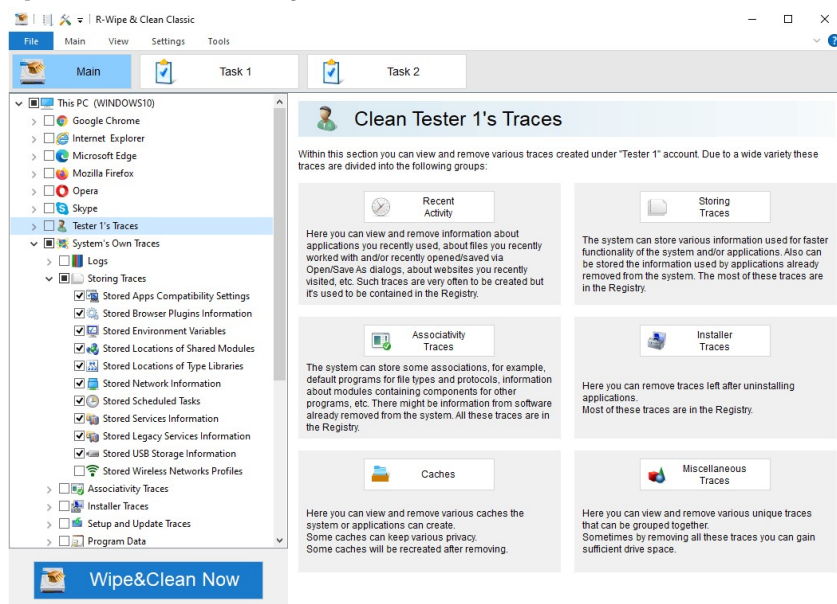
The list of items visible on the **System** panel can be edited on the [Customize](#) panel.

To clean traces of system activity,

- Select the **System's Own Traces** tab.

The **System** panel will appear in the right pane.

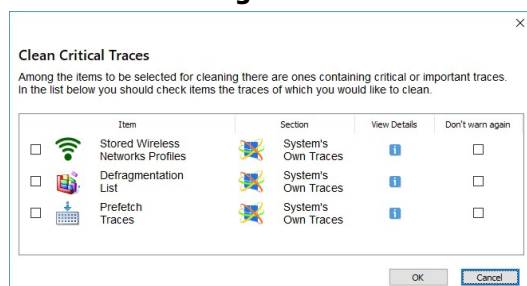
#### System's Own Traces panel



- Go to the required section(s) and select the required items.

The section may contain some critical items that may affect system performance. **R-Wipe & Clean** will throw a warning about these items if you select the entire section.

#### Critical Item warning



Select these items only if you completely understand what you are doing.

- Click the **Clean Now** button.



























































**R-Wipe & Clean** will start cleaning the computer, and the **Deleting and wiping** dialog box will appear showing the cleaning progress.

**System traces are divided into nine parts:**

















**Logs: More Information...**

This part allows you to inspect and clean various logs created by various system components. Quite often you may gain some free drive space upon removing these logs.


BLB Service Events Log	<div><div></div><div>BLB Service Events Logs</div><div></div></div> <p>The Block Level Backup (BLB) Engine Service allows uploading only the changed parts of files instead of whole files. It can create logs of its events.</p> <div></div>															
Boot File Repair Log	<div><div></div><div>Boot File Repair Log</div><div></div></div> <p>The Boot File Servicing Utility can create a log of the Boot File repair.</p> <div></div>															
Component-Based Servicing Log	<div><div></div><div>Component-based Servicing Log</div><div></div></div> <p>The Component-Based Servicing architecture is designed for installation of Windows components, updates or driver files and can create a log of its activity that assists in troubleshooting.</p> <div><table><tr><th>Date and Time</th><th>Level</th><th>Action</th></tr><tr><td>2018-05-18 19:29:58</td><td>Info</td><td>CBS TL --- Initializing Trusted Installer ---</td></tr><tr><td>2018-05-18 19:29:58</td><td>Info</td><td>CBS TL Last boot time: 2018-05-18 19:23:44.321</td></tr><tr><td>2018-05-18 19:29:58</td><td>Info</td><td>CBS Starting TrustedInstaller initialization.</td></tr><tr><td>2018-05-18 19:29:58</td><td>Info</td><td>CBS Lock: New lock added: CCBsPublicSessionClassFactory, level: 30, total lock=4</td></tr></table></div>	Date and Time	Level	Action	2018-05-18 19:29:58	Info	CBS TL --- Initializing Trusted Installer ---	2018-05-18 19:29:58	Info	CBS TL Last boot time: 2018-05-18 19:23:44.321	2018-05-18 19:29:58	Info	CBS Starting TrustedInstaller initialization.	2018-05-18 19:29:58	Info	CBS Lock: New lock added: CCBsPublicSessionClassFactory, level: 30, total lock=4
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Delivery Optimization Service Events Logs	<div><div></div><div>Delivery Optimization Service Events Logs</div><div></div></div> <p>The Delivery Optimization Service performs content delivery optimization tasks and can create logs of its events that assist in troubleshooting.</p> <div></div>															
Deployment Image Service and Management Log	<div><div></div><div>Deployment Image Service and Management Log</div><div></div></div> <p>The Deployment Image Service and Management (DISM) tool performs servicing tasks on a Windows installation image and can create a log file of its activity that assists in troubleshooting.</p> <div><table><tr><th>Date and Time</th><th>Level</th><th>Action</th></tr><tr><td>2017-10-21 01:13:42</td><td>Info</td><td>DISM API: PID=10392 TID=10028 DismApi.dll: - Disinitializ</td></tr><tr><td>2017-10-21 01:13:42</td><td>Info</td><td>DISM API: PID=10392 TID=10028 DismApi.dll: &lt;----- Starting DismApi.dll session ----</td></tr><tr><td>2017-10-21 01:13:42</td><td>Info</td><td>DISM API: PID=10392 TID=10028 DismApi.dll: Disinitializ</td></tr><tr><td>2017-10-21 01:13:42</td><td>Info</td><td>DISM API: PID=10392 TID=10028 DismApi.dll: Version 10.0.16299.15 - DisinitializInt</td></tr></table></div>	Date and Time	Level	Action	2017-10-21 01:13:42	Info	DISM API: PID=10392 TID=10028 DismApi.dll: - Disinitializ	2017-10-21 01:13:42	Info	DISM API: PID=10392 TID=10028 DismApi.dll: <----- Starting DismApi.dll session ----	2017-10-21 01:13:42	Info	DISM API: PID=10392 TID=10028 DismApi.dll: Disinitializ	2017-10-21 01:13:42	Info	DISM API: PID=10392 TID=10028 DismApi.dll: Version 10.0.16299.15 - DisinitializInt
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Diagnostics Logs	<div><div></div><div>Diagnostics Logs</div><div></div></div> <p>Your system creates several log files that assist in troubleshooting.</p> <div><div><input checked="" type="checkbox"/></div>Active Directory Installation and Removal Log Files</div> <div><div><input checked="" type="checkbox"/></div>Active Directory Installation Wizard Log Files</div> <div><div><input checked="" type="checkbox"/></div>Blaster Worm Removal Tool Log Files</div> <div><div><input checked="" type="checkbox"/></div>Domain Controller Promoting Log Files</div>															
Disk Recovery Logs	<div><div></div><div>Disk Recovery Logs</div><div></div></div> <p>When a disk is being recovered, the system can create some diagnostic and event logs.</p> <div></div>															
Event Logging Diagnostic Logs	<div><div></div><div>Event Logging Diagnostic Logs</div><div></div></div> <p>The Event Logging component of the system can create diagnostic logs that later can assist in troubleshooting.</p> <div></div>															
LSA Events Logs	<div><div></div><div>LSA Events Logs</div><div></div></div> <p>The LSA (Local Security Authority) validates users for local and remote sign-ins and enforces local security policies. It can create logs of its events that assist in troubleshooting.</p> <div></div>															
Measured Boot Logs	<div><div></div><div>Measured Boot Logs</div><div></div></div> <p>When system starts, the Measured Boot feature provides anti-malware software with a trusted log of all boot components in that to determine whether components are trustworthy versus infected with malware.</p> <div></div>															















MS DTC Service Trace Logs	<div><div></div><div>MS DTC Service Trace Logs</div><div></div></div> <div>The Microsoft Distributed Transaction Coordinator (DTC) service coordinates transactions between databases, message queues, file systems, and other resources and can create trace logs for diagnostic purposes.</div> <div><div><div><input type="checkbox"/> dtctrace.log-2015-08-20-23-43-21-0262-00</div><div><input type="checkbox"/> dtctrace.log-2015-11-16-22-20-04-0341-00</div><div><input type="checkbox"/> dtctrace.log-2015-11-16-23-03-14-0485-00</div><div><input type="checkbox"/> dtctrace.log-2016-09-09-15-26-58-0839-00</div></div></div>																																																
NDF Logs	<div><div></div><div>NDF Logs</div><div></div></div> <div>The Network Diagnostics Framework (NDF) provides a way for users to diagnose and repair a network problem using a single troubleshooting tool.</div> <div><div><div><input type="checkbox"/> eventlog.etl</div></div></div>																																																
.NET Framework Logs	<div><div></div><div>.NET Framework Logs</div><div></div></div> <div>Some tools and services of the .NET Framework can create log files that assist in troubleshooting.</div> <div><div><table><tr><th>File Name</th><th>Platform</th><th>Version</th></tr><tr><td> ngen.log</td><td>Framework64</td><td>v4.0.30319</td></tr><tr><td> ngen.log</td><td>Framework64</td><td>v2.0.50727</td></tr><tr><td> ngen.log</td><td>Framework</td><td>v4.0.30319</td></tr><tr><td> ngen.log</td><td>Framework</td><td>v2.0.50727</td></tr><tr><td> ngen.old.log</td><td>Framework64</td><td>v4.0.30319</td></tr><tr><td> ngen.old.log</td><td>Framework</td><td>v4.0.30319</td></tr></table></div></div>	File Name	Platform	Version	 ngen.log	Framework64	v4.0.30319	 ngen.log	Framework64	v2.0.50727	 ngen.log	Framework	v4.0.30319	 ngen.log	Framework	v2.0.50727	 ngen.old.log	Framework64	v4.0.30319	 ngen.old.log	Framework	v4.0.30319																											
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Network Setup Service Events Logs	<div><div></div><div>Network Setup Service Events Logs</div><div></div></div> <div>The Network Setup Service manages the installation of network drivers and can create logs of its events that assist in troubleshooting.</div> <div><div><div>File Name</div><div>Last Modification Time</div></div></div>																																																
Program Install Logs	<div><div></div><div>Program Install Logs</div><div></div></div> <div>For compatibility checking, the System can create logs of the programs installation.</div> <div><div><table><tr><th>Program Name</th><th>Installer Path</th><th>Start Time</th><th>Finish Time</th></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>10/30/2018 18:38:03</td><td>10/30/2018 19:11:16</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>02/20/2019 11:48:27</td><td>02/20/2019 12:00:04</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>02/20/2019 11:48:27</td><td>02/20/2019 11:59:18</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>10/30/2018 18:38:03</td><td>10/30/2018 19:10:32</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>02/20/2019 11:48:27</td><td>02/20/2019 11:58:14</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>10/30/2018 18:38:03</td><td>10/30/2018 19:08:18</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>02/20/2019 11:48:27</td><td>02/20/2019 11:57:10</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>10/30/2018 18:38:03</td><td>10/30/2018 19:05:48</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>02/20/2019 11:48:27</td><td>02/20/2019 11:55:50</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>10/30/2018 18:38:03</td><td>10/30/2018 19:01:53</td></tr><tr><td>AVS Update Manager</td><td>C:\Program Files (x8...</td><td>10/30/2018 18:38:03</td><td>10/30/2018 19:01:53</td></tr></table></div></div>	Program Name	Installer Path	Start Time	Finish Time	AVS Update Manager	C:\Program Files (x8...	10/30/2018 18:38:03	10/30/2018 19:11:16	AVS Update Manager	C:\Program Files (x8...	02/20/2019 11:48:27	02/20/2019 12:00:04	AVS Update Manager	C:\Program Files (x8...	02/20/2019 11:48:27	02/20/2019 11:59:18	AVS Update Manager	C:\Program Files (x8...	10/30/2018 18:38:03	10/30/2018 19:10:32	AVS Update Manager	C:\Program Files (x8...	02/20/2019 11:48:27	02/20/2019 11:58:14	AVS Update Manager	C:\Program Files (x8...	10/30/2018 18:38:03	10/30/2018 19:08:18	AVS Update Manager	C:\Program Files (x8...	02/20/2019 11:48:27	02/20/2019 11:57:10	AVS Update Manager	C:\Program Files (x8...	10/30/2018 18:38:03	10/30/2018 19:05:48	AVS Update Manager	C:\Program Files (x8...	02/20/2019 11:48:27	02/20/2019 11:55:50	AVS Update Manager	C:\Program Files (x8...	10/30/2018 18:38:03	10/30/2018 19:01:53	AVS Update Manager	C:\Program Files (x8...	10/30/2018 18:38:03	10/30/2018 19:01:53
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AVS Update Manager	C:\Program Files (x8...	10/30/2018 18:38:03	10/30/2018 19:01:53																																														
SAM Events Logs	<div><div></div><div>SAM Events Logs</div><div></div></div> <div>The Security Account Manager (SAM) is used to authenticate local and remote users in that to prevent unauthenticated users accessing the system. It can create logs of its events that assist in troubleshooting</div> <div><div><div></div></div></div>																																																
Server-initiated Healing Events Logs	<div><div></div><div>Server-initiated Healing Events Logs</div><div></div></div> <div>The Server-initiated Healing is used by Windows Update and can create logs of its events that assist in troubleshooting.</div> <div><div><div><input type="checkbox"/> SIH-20180704-220411.212.1.etl</div><div><input type="checkbox"/> SIH-20180705-203844.167.1.etl</div><div><input type="checkbox"/> SIH-20180707-185329.394.1.etl</div><div><input type="checkbox"/> SIH-20180708-213903.515.1.etl</div><div><input type="checkbox"/> SIH-20180710-183708.118.1.etl</div><div><input type="checkbox"/> SIH-20180710-200825.708.1.etl</div><div><input type="checkbox"/> SIH-20180711-182752.722.1.etl</div></div></div>																																																
Services Logs	<div><div></div><div>Services Logs</div><div></div></div> <div>Services may create log files that assist in troubleshooting.</div> <div><div><div><input checked="" type="checkbox"/> COM+ Services Log Files</div><div><input checked="" type="checkbox"/> Internet Information Services Log Files</div><div><input checked="" type="checkbox"/> Task Scheduler (Scheduled Tasks) Service Log Files</div><div><input checked="" type="checkbox"/> Windows Image Acquisition (WIA) Service Log Files</div></div></div>																																																
Sleep Study Events Log	<div><div></div><div>Sleep Study Events Logs</div><div></div></div> <div>The Sleep Study tool can help you identify sources of battery drain that occurred while the PC was in sleep mode and can create logs of its events that assist in troubleshooting.</div> <div><div><div><input type="checkbox"/> abnormal-shutdown-user-not-present-trace-2018-12-04-19-59-41.etl</div><div><input type="checkbox"/> ScreenOnPowerStudyTraceSession-2017-10-21-00-42-41.etl</div><div><input type="checkbox"/> ScreenOnPowerStudyTraceSession-2017-10-21-00-57-42.etl</div><div><input type="checkbox"/> ScreenOnPowerStudyTraceSession-2017-10-21-01-15-40.etl</div><div><input type="checkbox"/> ScreenOnPowerStudyTraceSession-2017-10-23-18-43-43.etl</div><div><input type="checkbox"/> ScreenOnPowerStudyTraceSession-2017-10-25-23-44-10.etl</div></div></div>																																																









Startup File Renaming Log	<div><div><div><div><div></div><div>Startup File Renaming Log</div><div><div>Clean Now</div></div></div></div><div>The system can create a log file of the file renaming operations made during System startup that assists in troubleshooting.</div><div><table><thead><tr><th>Date and Time</th><th>Action</th></tr></thead><tbody><tr><td>5/18/2018 21:47:57</td><td>PFR0 Error:\77(C:\ProgramData\Microsoft\Windows\ClipSvc\tokens.dat.000,  delete operation </td></tr><tr><td>5/18/2018 21:47:57</td><td>11 Successful PFR0 operations</td></tr><tr><td>5/25/2018 21:34:19</td><td>PFR0 Error:\77(C:\ProgramData\Microsoft\Windows\ClipSvc\tokens.dat.000,  delete operation </td></tr><tr><td>5/25/2018 21:34:19</td><td>11 Successful PFR0 operations</td></tr><tr><td>5/25/2018 21:52:25</td><td>PFR0 Error:\77(C:\ProgramData\Microsoft\Windows Defender\Definition Updates\{C0959896-5B</td></tr></tbody></table></div></div></div>	Date and Time	Action	5/18/2018 21:47:57	PFR0 Error:\77(C:\ProgramData\Microsoft\Windows\ClipSvc\tokens.dat.000,  delete operation	5/18/2018 21:47:57	11 Successful PFR0 operations	5/25/2018 21:34:19	PFR0 Error:\77(C:\ProgramData\Microsoft\Windows\ClipSvc\tokens.dat.000,  delete operation	5/25/2018 21:34:19	11 Successful PFR0 operations	5/25/2018 21:52:25	PFR0 Error:\77(C:\ProgramData\Microsoft\Windows Defender\Definition Updates\{C0959896-5B																												
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Tracing Logs	<div><div><div><div><div></div><div>Tracing Logs</div><div><div>Clean Now</div></div></div></div><div>Your system can create various tracing log files that assist in troubleshooting.</div><div><table><tbody><tr><td><input checked="" type="checkbox"/> Bandwidth Allocation Protocol</td></tr><tr><td><input checked="" type="checkbox"/> Extensible Authentication Protocol over LAN</td></tr><tr><td><input checked="" type="checkbox"/> Internet Authentication Service Server Data Object</td></tr><tr><td><input checked="" type="checkbox"/> Kernel-Mode Device Driver Service Provider</td></tr></tbody></table></div></div></div>	<input checked="" type="checkbox"/> Bandwidth Allocation Protocol	<input checked="" type="checkbox"/> Extensible Authentication Protocol over LAN	<input checked="" type="checkbox"/> Internet Authentication Service Server Data Object	<input checked="" type="checkbox"/> Kernel-Mode Device Driver Service Provider																																				
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Windows Firewall Log	<div><div><div><div><div></div><div>Windows Firewall Logs</div><div><div>Clean Now</div></div></div></div><div>Your system may keep a log of the Windows built-in firewall. You need to restart your system to start wiping this log. You will be prompted to restart your system or to delay wiping until the next restart.</div><div><table><thead><tr><th>Date</th><th>Time</th><th>Action</th><th>Protocol</th><th>Source IP Address</th><th>Source Port Number</th><th>Destination IP Address</th><th>Destination Port</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table></div></div></div>	Date	Time	Action	Protocol	Source IP Address	Source Port Number	Destination IP Address	Destination Port																																
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WIP Logs (Windows 10+)	<div><div>WIP Logs</div><div></div></div> <div>Windows Information Protection (WIP) helps to protect against enterprise data leakage through apps and services, like email, social media, and the public cloud, which are outside of the enterprise's control.</div> <div></div>																																																																											
WMI Events Log	<div><div>WMI Logs</div><div></div></div> <div>Windows Management Instrumentation (WMI) and WMI providers create several log files that assist in troubleshooting.</div> <div><div><input checked="" type="checkbox"/> AutoDiscovery/AutoPurge (ADAP) Log Files</div><div><input checked="" type="checkbox"/> Directory Services Provider Log Files</div><div><input checked="" type="checkbox"/> Event Log Provider Log Files</div><div><input checked="" type="checkbox"/> Managed Object Format (MOF) Compiler Log Files</div></div>																																																																											
AAD Events Log (Windows 10+)	<div><div>AAD Events Log</div><div></div></div> <div>The Azure Active Directory (AAD) provides you with common identity and access capabilities to all web services and can create a log of its events.</div> <div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>6/18/2020 6:11:02 PM</td><td>Error: 0X8AA100DA Upgrade default pawn task complete..</td></tr><tr><td>4/29/2021 2:24:07 PM</td><td>Logged at UpdateDefaultPawm.cpp, line: 43, method: UpdateDefaultPawm</td></tr><tr><td>6/23/2021 9:40:39 AM</td><td>Error: 0X8AA50065 Enumeration status set for existing webaccounts succ</td></tr><tr><td></td><td>Logged at AccountEnumerationStateMigration.cpp, line: 72, method: AccountEnumerationStateMigration</td></tr><tr><td></td><td>Error: 0X80070057 The parameter is incorrect.</td></tr><tr><td></td><td>Exception of type 'class WinRTException' at WebAccountProcessor.cpp, line: 100, method: WebAccountProcessor::ProcessTokenBrokerOperation</td></tr><tr><td></td><td>Log: 0xcas5001c Token broker operation failed.</td></tr><tr><td></td><td>Operation name: GetTokenSilently</td></tr></table></div>	Date and Time	Event	6/18/2020 6:11:02 PM	Error: 0X8AA100DA Upgrade default pawn task complete..	4/29/2021 2:24:07 PM	Logged at UpdateDefaultPawm.cpp, line: 43, method: UpdateDefaultPawm	6/23/2021 9:40:39 AM	Error: 0X8AA50065 Enumeration status set for existing webaccounts succ		Logged at AccountEnumerationStateMigration.cpp, line: 72, method: AccountEnumerationStateMigration		Error: 0X80070057 The parameter is incorrect.		Exception of type 'class WinRTException' at WebAccountProcessor.cpp, line: 100, method: WebAccountProcessor::ProcessTokenBrokerOperation		Log: 0xcas5001c Token broker operation failed.		Operation name: GetTokenSilently																																																									
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AAD User Device Registration Log (Windows 10+)	<div><div>AAD User Device Registration Log</div><div></div></div> <div>The Azure Active Directory (AAD) is Microsoft's cloud-based identity and access management service, which helps a company's employees sign in and access both external and internal resources of the company.</div> <div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>4/25/2020 4:35:24 PM</td><td>AutoJoinSvc/W/InitializeWorkplacejoin: PC is NOT domain joined. Disabled</td></tr><tr><td>4/25/2020 4:35:24 PM</td><td>AutoJoinSvc/W/InitializeWorkplacejoin: PC is NOT domain joined. Disabled</td></tr><tr><td>4/25/2020 4:38:34 PM</td><td>AutoJoinSvc/W/InitializeWorkplacejoin: PC is NOT domain joined. Disabled</td></tr><tr><td>4/25/2020 4:53:01 PM</td><td>Windows Hello for Business provisioning will not be launched.</td></tr></table></div>	Date and Time	Event	4/25/2020 4:35:24 PM	AutoJoinSvc/W/InitializeWorkplacejoin: PC is NOT domain joined. Disabled	4/25/2020 4:35:24 PM	AutoJoinSvc/W/InitializeWorkplacejoin: PC is NOT domain joined. Disabled	4/25/2020 4:38:34 PM	AutoJoinSvc/W/InitializeWorkplacejoin: PC is NOT domain joined. Disabled	4/25/2020 4:53:01 PM	Windows Hello for Business provisioning will not be launched.																																																																	
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4/25/2020 4:38:34 PM	AutoJoinSvc/W/InitializeWorkplacejoin: PC is NOT domain joined. Disabled																																																																											
4/25/2020 4:53:01 PM	Windows Hello for Business provisioning will not be launched.																																																																											
AppID Events Log	<div><div>AppID Events Log</div><div></div></div> <div>The system can create an event log for actions with AppIDs.</div> <div></div>																																																																											
Application Experience Events Log	<div><div>Application Experience Events Log</div><div></div></div> <div>The Application Experience Service automatically applies software updates to programs to make sure that they run on newly released versions of the Windows operating system. This service can create a log of its events.</div> <div><table><tr><th>Date and Time</th><th>Program Path</th><th>Fix Name</th></tr><tr><td>8/6/2018 9:23:12 PM</td><td>C:\WINDOWS\SystemApps\Microsoft.MicrosoftEdge_8...</td><td>MicrosoftEdge</td></tr><tr><td>8/6/2018 9:23:12 PM</td><td>C:\WINDOWS\SystemApps\Microsoft.MicrosoftEdge_8...</td><td>MicrosoftEdge</td></tr><tr><td>8/6/2018 9:23:12 PM</td><td>C:\WINDOWS\SystemApps\Microsoft.MicrosoftEdge_8...</td><td>MicrosoftEdge</td></tr><tr><td>8/6/2018 9:23:14 PM</td><td>C:\WINDOWS\SystemApps\Microsoft.MicrosoftEdge_8...</td><td>MicrosoftEdge</td></tr><tr><td>8/6/2018 9:23:14 PM</td><td>C:\WINDOWS\SystemApps\Microsoft.MicrosoftEdge_8...</td><td>MicrosoftEdge</td></tr><tr><td>8/6/2018 9:23:40 PM</td><td>C:\Program Files (x86)\Opera\S4.0.2952.64\opera.exe</td><td>Opera</td></tr><tr><td>8/6/2018 9:23:47 PM</td><td>C:\Program Files (x86)\Opera\S4.0.2952.64\opera.exe</td><td>Opera</td></tr><tr><td>8/6/2018 9:24:21 PM</td><td>C:\Program Files (x86)\Opera\S4.0.2952.64\opera.exe</td><td>Opera</td></tr><tr><td>8/6/2018 9:24:37 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.exe</td><td>010 Legacy Registry Entries (User Compat F</td></tr><tr><td>8/6/2018 9:24:37 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.exe</td><td>StarOffice 6/7 and OpenOffice</td></tr><tr><td>8/6/2018 9:24:37 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.bin</td><td>Apache OpenOffice</td></tr><tr><td>8/6/2018 9:26:08 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.exe</td><td>010 Legacy Registry Entries (User Compat F</td></tr><tr><td>8/6/2018 9:26:08 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.exe</td><td>StarOffice 6/7 and OpenOffice</td></tr><tr><td>8/6/2018 9:26:08 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.exe</td><td>Apache OpenOffice</td></tr><tr><td>8/6/2018 9:27:09 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.exe</td><td>010 Legacy Registry Entries (User Compat F</td></tr><tr><td>8/6/2018 9:27:09 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.exe</td><td>StarOffice 6/7 and OpenOffice</td></tr><tr><td>8/6/2018 9:27:09 PM</td><td>C:\Program Files (x86)\OpenOffice 4\program\soffice.bin</td><td>Apache OpenOffice</td></tr><tr><td>8/6/2018 9:27:14 PM</td><td>C:\Program Files (x86)\Opera\S4.0.2952.64\opera.exe</td><td>Opera</td></tr><tr><td>8/6/2018 9:46:44 PM</td><td>C:\Program Files\WindowsApps\Microsoft.Windows.Ph...</td><td>Microsoft.Windows.Photos</td></tr><tr><td>8/6/2018 9:54:44 PM</td><td>C:\Program Files\WindowsApps\microsoft.windowsco...</td><td>Microsoft Apps</td></tr><tr><td>8/6/2018 9:54:44 PM</td><td>C:\WINDOWS\system32\backgroundTaskHost.exe</td><td>Cortana</td></tr><tr><td>8/6/2018 10:22:44 PM</td><td>C:\WINDOWS\system32\backgroundTaskHost.exe</td><td>Microsoft.WindowsStore</td></tr><tr><td>8/6/2018 10:55:59 PM</td><td>C:\Program Files\WindowsApps\microsoft.windowsco...</td><td>Microsoft Apps</td></tr><tr><td>8/6/2018 11:19:54 PM</td><td>C:\Windows\SystemApps\Microsoft.Windows.Cortana_...</td><td>Cortana</td></tr></table></div>	Date and Time	Program Path	Fix Name	8/6/2018 9:23:12 PM	C:\WINDOWS\SystemApps\Microsoft.MicrosoftEdge_8...	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Application Server Events Log	<div><div>Application Server Events Log</div><div></div></div> <div>The Application Server provides an integrated environment for deploying and running custom, server-based business applications and can create a log of its events.</div> <div><table><tr><th>Date and Time</th><th>Event</th></tr></table></div>	Date and Time	Event																																																																									
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AppLocker Executable Events Log	<div><div>AppLocker Executable Events Log</div><div></div></div> <div>The AppLocker allows to control which executable files are denied or allowed to execute and can create a log of its events.</div> <div><table><tr><th>Date and Time</th><th>Event</th></tr></table></div>	Date and Time	Event																																																																									
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AppLocker Script Events Log	<div><div> AppLocker Script Events Log </div><p>The AppLocker allows to control which scripts are denied or allowed to execute and can create a log of its events.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody></tbody></table></div>	Date and Time	Event																																																		
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App Readiness Service Log	<div><div> App Readiness Service Log </div><p>The App Readiness Service gets apps ready for use the first time a user signs in to PC or when adding new apps and can create a log of its events.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>10/21/2017 1:05:32 AM</td><td>App Readiness service has started.</td></tr><tr><td>10/21/2017 1:05:32 AM</td><td>Task 'ART-AppPreRegistration' is added for SYSTEM\NT AUTHORITY, tasks: 1</td></tr><tr><td>10/21/2017 1:05:32 AM</td><td>App Readiness service has completed tasks for SYSTEM\NT AUTHORITY.</td></tr><tr><td>10/21/2017 1:05:36 AM</td><td>Pre-registration for 'Microsoft.VCLibs.140.00.14.0.24123.0_x86_8wekyb3d8bbwe' fail</td></tr><tr><td>10/21/2017 1:05:36 AM</td><td>Pre-registration for 'Microsoft.VCLibs.140.00.14.0.24123.0_x64_8wekyb3d8bbwe' fail</td></tr><tr><td>10/21/2017 1:05:37 AM</td><td>Pre-registration for 'Microsoft.3DBuilder.13.0.10349.0_neutral_~_8wekyb3d8bbwe' fa</td></tr></tbody></table></div>	Date and Time	Event	10/21/2017 1:05:32 AM	App Readiness service has started.	10/21/2017 1:05:32 AM	Task 'ART-AppPreRegistration' is added for SYSTEM\NT AUTHORITY, tasks: 1	10/21/2017 1:05:32 AM	App Readiness service has completed tasks for SYSTEM\NT AUTHORITY.	10/21/2017 1:05:36 AM	Pre-registration for 'Microsoft.VCLibs.140.00.14.0.24123.0_x86_8wekyb3d8bbwe' fail	10/21/2017 1:05:36 AM	Pre-registration for 'Microsoft.VCLibs.140.00.14.0.24123.0_x64_8wekyb3d8bbwe' fail	10/21/2017 1:05:37 AM	Pre-registration for 'Microsoft.3DBuilder.13.0.10349.0_neutral_~_8wekyb3d8bbwe' fa																																						
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














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
















Audio Playback Log	<div>  <b>Audio Playback Log</b> <span>Clean Now</span> </div> <p>The Windows Audio service can create a log of the Audio playback.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Parameters</th></tr> </thead> <tbody> <tr> <td>1/18/2018 10:12:01 PM</td><td>Format: 3 Sampling rate: 48000 Offloaded: false</td></tr> <tr> <td>1/18/2018 10:12:08 PM</td><td>Format: 1 Sampling rate: 44100 Offloaded: false</td></tr> <tr> <td>1/18/2018 10:12:30 PM</td><td>Format: 1 Sampling rate: 44100 Offloaded: false</td></tr> <tr> <td>1/18/2018 10:13:39 PM</td><td>Format: 1 Sampling rate: 44100 Offloaded: false</td></tr> </tbody> </table>	Date and Time	Parameters	1/18/2018 10:12:01 PM	Format: 3 Sampling rate: 48000 Offloaded: false	1/18/2018 10:12:08 PM	Format: 1 Sampling rate: 44100 Offloaded: false	1/18/2018 10:12:30 PM	Format: 1 Sampling rate: 44100 Offloaded: false	1/18/2018 10:13:39 PM	Format: 1 Sampling rate: 44100 Offloaded: false						
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


















CHAP Events Log	<div>  <b>CHAP Events Log</b> <span>Clean Now</span> </div> <p>The Challenge Handshake Authentication Protocol (CHAP) is a password-based authentication protocol which is widely used as an authentication method in PPTP(Point-to-Point Tunneling Protocol)-based networks.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td> </td><td> </td></tr> </tbody> </table>	Date and Time	Event																
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Client License Service Events Log	<div>  <b>Client License Service Events Log</b> <span>Clean Now</span> </div> <p>The Client License service provides infrastructure support for the Microsoft Store and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>7/10/2019 3:18:32 PM</td><td> </td></tr> <tr><td>7/10/2019 3:18:32 PM</td><td>ClipSvc service is starting. Caller: caller=spovvc.exe</td></tr> <tr><td>7/10/2019 3:18:32 PM</td><td>ClipSvc service is running. Version 10.0.18362.1</td></tr> <tr><td>7/10/2019 3:18:33 PM</td><td> </td></tr> <tr><td>7/10/2019 3:18:33 PM</td><td>Application license successfully installed.</td></tr> <tr><td> </td><td>Package: NULL</td></tr> <tr><td> </td><td>User Id (if available): fc93b452-8a84-dede-3b7a-0fc9413c4592</td></tr> <tr><td> </td><td>License Id: fc93b452-8a84-dede-3b7a-0fc9413c4592</td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 3:18:32 PM		7/10/2019 3:18:32 PM	ClipSvc service is starting. Caller: caller=spovvc.exe	7/10/2019 3:18:32 PM	ClipSvc service is running. Version 10.0.18362.1	7/10/2019 3:18:33 PM		7/10/2019 3:18:33 PM	Application license successfully installed.		Package: NULL		User Id (if available): fc93b452-8a84-dede-3b7a-0fc9413c4592		License Id: fc93b452-8a84-dede-3b7a-0fc9413c4592
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Cloud Recovery Events Log (Windows 10+)	<div>  <b>Cloud Recovery Events Log</b> <span>Clean Now</span> </div> <p>The Cloud Recovery enables you to reset your PC with files downloaded from Microsoft rather than the installation files stored on your local PC.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>7/10/2023 12:22:11 PM</td><td>A backup operation has started.</td></tr> <tr><td>7/10/2023 12:22:11 PM</td><td>Error: The request is not supported.</td></tr> <tr><td> </td><td>Type: 2</td></tr> <tr><td> </td><td>File: pcsHELL\shell\cloudstorelauncher\cloudbackupstore\backupstore</td></tr> <tr><td> </td><td>Line: 185</td></tr> <tr><td>7/10/2023 12:22:11 PM</td><td>A backup operation has completed.</td></tr> </tbody> </table>	Date and Time	Event	7/10/2023 12:22:11 PM	A backup operation has started.	7/10/2023 12:22:11 PM	Error: The request is not supported.		Type: 2		File: pcsHELL\shell\cloudstorelauncher\cloudbackupstore\backupstore		Line: 185	7/10/2023 12:22:11 PM	A backup operation has completed.				
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CloudStore Events Log (Windows 10+)	<div>  <b>CloudStore Events Log</b> <span>Clean Now</span> </div> <p>The CloudStore component of the system is used by OneDrive and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>7/10/2019 2:42:01 PM</td><td>Downloading default\$windows.data.bluelightreduction.bluelightreductionstate\$wind</td></tr> <tr><td>7/10/2019 2:42:01 PM</td><td>Downloading default\$windows.data.bluelightreduction.settings\$windows.data.blueli</td></tr> <tr><td>7/10/2019 2:42:01 PM</td><td>Error 0x80070490 occurred. Type: 0, file: onecoreup\shell\cloudstore\metadata\src\l</td></tr> <tr><td>7/10/2019 2:42:01 PM</td><td>Error 0x80070490 occurred. Type: 2, file: onecoreup\shell\cloudstore\store\cache\un</td></tr> <tr><td>7/10/2019 2:43:05 PM</td><td>Downloading default\$windows.data.nlm.nlsignature\$wificloudstore2\windows.dat</td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 2:42:01 PM	Downloading default\$windows.data.bluelightreduction.bluelightreductionstate\$wind	7/10/2019 2:42:01 PM	Downloading default\$windows.data.bluelightreduction.settings\$windows.data.blueli	7/10/2019 2:42:01 PM	Error 0x80070490 occurred. Type: 0, file: onecoreup\shell\cloudstore\metadata\src\l	7/10/2019 2:42:01 PM	Error 0x80070490 occurred. Type: 2, file: onecoreup\shell\cloudstore\store\cache\un	7/10/2019 2:43:05 PM	Downloading default\$windows.data.nlm.nlsignature\$wificloudstore2\windows.dat						
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Code Integrity Events Log	<div>  <b>Code Integrity Events Log</b> <span>Clean Now</span> </div> <p>Code integrity is a Windows mechanism that authenticates the integrity and source of executable images (such as applications, DLLs, or drivers) by validating a digital certificate contained within the image's resources.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>7/10/2019 2:13:52 PM</td><td>Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.</td></tr> <tr><td>7/10/2019 2:29:28 PM</td><td>Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.</td></tr> <tr><td>7/10/2019 2:53:01 PM</td><td>Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.</td></tr> <tr><td>7/16/2019 1:44:50 PM</td><td>Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.</td></tr> <tr><td>7/16/2019 2:06:49 PM</td><td>Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.</td></tr> <tr><td>7/17/2019 12:40:53 PM</td><td>Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.</td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 2:13:52 PM	Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.	7/10/2019 2:29:28 PM	Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.	7/10/2019 2:53:01 PM	Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.	7/16/2019 1:44:50 PM	Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.	7/16/2019 2:06:49 PM	Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.	7/17/2019 12:40:53 PM	Code Integrity will disable WHQL driver enforcement for this boot session. Settings: 0x80000000.				
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Core Application Events Log	<div>  <b>Core Application Events Log</b> <span>Clean Now</span> </div> <p>The Core Application component of the System used by the Universal Windows Platform applications can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td> </td><td> </td></tr> </tbody> </table>	Date and Time	Event																
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Data Integrity Recovery Events Log	<div>  <b>Data Integrity Recovery Events Log</b> <span>Clean Now</span> </div> <p>The system can create an event log during fault-tolerant volumes recovery.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>5/26/2022 12:51:06 PM</td><td>Started checking data integrity for crash recovery.</td></tr> <tr><td>5/26/2022 12:51:07 PM</td><td> </td></tr> <tr><td>5/26/2022 12:51:07 PM</td><td> </td></tr> <tr><td>5/26/2022 12:51:13 PM</td><td> </td></tr> <tr><td>5/26/2022 12:51:13 PM</td><td> </td></tr> </tbody> </table>	Date and Time	Event	5/26/2022 12:51:06 PM	Started checking data integrity for crash recovery.	5/26/2022 12:51:07 PM		5/26/2022 12:51:07 PM		5/26/2022 12:51:13 PM		5/26/2022 12:51:13 PM							
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












Default Programs Events Log (Windows 10+)	<div><div> Default Programs Events Log </div><p>The system can log events in the default program assignment for certain file types and protocols.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>7/10/2019 2:42:01 PM</td><td>AppDefault Info: SetDefault: Association=264, ProgId=Applications\vlc.exe</td></tr><tr><td>7/10/2019 2:42:01 PM</td><td>AppDefault Info: SetDefault: Info: Association=264, ProgId=Applications\vlc.exe, U=S-1-5-21-3229</td></tr><tr><td>7/10/2019 2:42:01 PM</td><td>AppDefault Info: SetDefault: Association=3g2, ProgId=AppX6eg8h5xqq90pv53845wmnbewywdqc</td></tr><tr><td>7/10/2019 2:42:01 PM</td><td>AppDefault Info: SetDefault: Info: Association=3g2, ProgId=AppX6eg8h5xqq90pv53845wmnbewywdqc</td></tr><tr><td>7/10/2019 2:42:01 PM</td><td>AppDefault Info: SetDefault: Association=3gp, ProgId=AppX6eg8h5xqq90pv53845wmnbewywdqc</td></tr><tr><td>7/10/2019 2:42:01 PM</td><td>AppDefault Info: SetDefault: Info: Association=3gp, ProgId=AppX6eg8h5xqq90pv53845wmnbewywdqc</td></tr></tbody></table></div>	Date and Time	Event	7/10/2019 2:42:01 PM	AppDefault Info: SetDefault: Association=264, ProgId=Applications\vlc.exe	7/10/2019 2:42:01 PM	AppDefault Info: SetDefault: Info: Association=264, ProgId=Applications\vlc.exe, U=S-1-5-21-3229	7/10/2019 2:42:01 PM	AppDefault Info: SetDefault: Association=3g2, ProgId=AppX6eg8h5xqq90pv53845wmnbewywdqc	7/10/2019 2:42:01 PM	AppDefault Info: SetDefault: Info: Association=3g2, ProgId=AppX6eg8h5xqq90pv53845wmnbewywdqc	7/10/2019 2:42:01 PM	AppDefault Info: SetDefault: Association=3gp, ProgId=AppX6eg8h5xqq90pv53845wmnbewywdqc	7/10/2019 2:42:01 PM	AppDefault Info: SetDefault: Info: Association=3gp, ProgId=AppX6eg8h5xqq90pv53845wmnbewywdqc				
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Device Install Service Events Log	<div><div> Device Install Service Events Log </div><p>The Device Install Service enables a computer to recognize and adapt to hardware changes with little or no user input and can create a log of its events.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>4/25/2020 5:35:10 PM</td><td>The DeviceInstall service has started.</td></tr><tr><td>4/25/2020 5:37:53 PM</td><td>The DeviceInstall service is stopping (shutdown).</td></tr><tr><td>4/25/2020 5:37:53 PM</td><td>The DeviceInstall service has stopped.</td></tr><tr><td>4/25/2020 5:38:22 PM</td><td>The DeviceInstall service has started.</td></tr><tr><td>4/25/2020 5:56:20 PM</td><td>The DeviceInstall service is stopping (shutdown).</td></tr><tr><td>4/25/2020 5:56:20 PM</td><td>The DeviceInstall service has stopped.</td></tr></tbody></table></div>	Date and Time	Event	4/25/2020 5:35:10 PM	The DeviceInstall service has started.	4/25/2020 5:37:53 PM	The DeviceInstall service is stopping (shutdown).	4/25/2020 5:37:53 PM	The DeviceInstall service has stopped.	4/25/2020 5:38:22 PM	The DeviceInstall service has started.	4/25/2020 5:56:20 PM	The DeviceInstall service is stopping (shutdown).	4/25/2020 5:56:20 PM	The DeviceInstall service has stopped.				
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Device Setup Events Log	<div><div> Device Setup Events Log </div><p>The Device Setup Manager (DSM) service used for detection, download and installation of device-related software can create a log of the events during Device Setup.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>10/21/2017 12:57:25 AM</td><td>The device container '{66147DE3-B5DF-11E7-B88E-806E6F6E6963}' has entered the ready state</td></tr><tr><td>10/21/2017 12:57:25 AM</td><td>The device container '{66147EC9-B5DF-11E7-B88E-448A5B8B8822}' has entered the ready state</td></tr><tr><td>10/21/2017 12:57:25 AM</td><td>The device container '{66147DE4-B5DF-11E7-B88E-806E6F6E6963}' has entered the ready state</td></tr><tr><td>10/21/2017 12:57:25 AM</td><td>The device container '{00000000-0000-0000-FFFF-FFFFFFFFFFFF}' has entered the ready state</td></tr><tr><td>10/21/2017 1:06:00 AM</td><td>The device container '{66148402-B5DF-11E7-B88E-448A5B8B8822}' has entered the ready state</td></tr><tr><td>10/21/2017 1:06:00 AM</td><td>The device container '{41080C7B-4763-5767-8D52-618D5A3DF320}' has entered the ready state</td></tr><tr><td>10/21/2017 1:07:28 AM</td><td>Device setup for container '{66147DE3-B5DF-11E7-B88E-806E6F6E6963}' has been completed.</td></tr><tr><td>10/21/2017 1:07:28 AM</td><td>The device container '{661484CD-B5DF-11E7-B88E-448A5B8B8822}' has entered the ready state</td></tr></tbody></table></div>	Date and Time	Event	10/21/2017 12:57:25 AM	The device container '{66147DE3-B5DF-11E7-B88E-806E6F6E6963}' has entered the ready state	10/21/2017 12:57:25 AM	The device container '{66147EC9-B5DF-11E7-B88E-448A5B8B8822}' has entered the ready state	10/21/2017 12:57:25 AM	The device container '{66147DE4-B5DF-11E7-B88E-806E6F6E6963}' has entered the ready state	10/21/2017 12:57:25 AM	The device container '{00000000-0000-0000-FFFF-FFFFFFFFFFFF}' has entered the ready state	10/21/2017 1:06:00 AM	The device container '{66148402-B5DF-11E7-B88E-448A5B8B8822}' has entered the ready state	10/21/2017 1:06:00 AM	The device container '{41080C7B-4763-5767-8D52-618D5A3DF320}' has entered the ready state	10/21/2017 1:07:28 AM	Device setup for container '{66147DE3-B5DF-11E7-B88E-806E6F6E6963}' has been completed.	10/21/2017 1:07:28 AM	The device container '{661484CD-B5DF-11E7-B88E-448A5B8B8822}' has entered the ready state
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Device Watchdog Events Log (Windows 10+)	<div><div> Device Watchdog Events Log </div><p>The Watchdog is designed to control device hangs and can create a log of its events.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody></tbody></table></div>	Date and Time	Event																
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DHCP Client Service Events Log	<div><div> DHCP Client Service Events Log </div><p>The DHCP Client service that registers and updates IP addresses and DNS records can create a log of its events.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>11/13/2017 10:41:24 PM</td><td>Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.</td></tr><tr><td>11/20/2017 9:40:12 PM</td><td>Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.</td></tr><tr><td>12/1/2017 6:25:50 PM</td><td>Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.</td></tr><tr><td>12/20/2017 7:49:39 PM</td><td>Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.</td></tr><tr><td>1/4/2018 5:35:55 PM</td><td>Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.</td></tr></tbody></table></div>	Date and Time	Event	11/13/2017 10:41:24 PM	Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.	11/20/2017 9:40:12 PM	Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.	12/1/2017 6:25:50 PM	Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.	12/20/2017 7:49:39 PM	Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.	1/4/2018 5:35:55 PM	Your computer was not assigned an address from the network (by the DHCP Server) network address (DHCP) server.						
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DHCPv6 Events Log	<div><div> DHCPv6 Events Log </div><p>The system can create a log of the events when operating in the IPv6 network.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody></tbody></table></div>	Date and Time	Event																
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Diagnostic Policy Service Events Log	<div><div> Diagnostic Policy Service Events Log </div><p>The Diagnostic Policy Service that enables problem detection, troubleshooting and resolution for Windows components can create a log of its events.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>10/21/2017 1:08:05 AM</td><td>Diagnostic module '{C8544339-5BE9-4F25-862E-485F1B1A6935}' (%SystemRoot%\sys (86432A08-3C7D-4DDF-A89C-172FAA90485D).</td></tr><tr><td>10/21/2017 1:08:05 AM</td><td>Diagnostic module '{C8544339-5BE9-4F25-862E-485F1B1A6935}' (%SystemRoot%\sys (86432A08-3C7D-4DDF-A89C-172FAA90485D).</td></tr><tr><td>10/21/2017 1:08:14 AM</td><td>Diagnostic module '{C8544339-5BE9-4F25-862E-485F1B1A6935}' (%SystemRoot%\sys (86432A08-3C7D-4DDF-A89C-172FAA90485D).</td></tr><tr><td>10/23/2017 4:40:38 PM</td><td>Diagnostic module '{E4CD2E3E-3852-4952-B768-23B8B8E3D344}' (%windir%\system3 (9F41811A-0429-42AA-81B7-CFD4D968411F).</td></tr></tbody></table></div>	Date and Time	Event	10/21/2017 1:08:05 AM	Diagnostic module '{C8544339-5BE9-4F25-862E-485F1B1A6935}' (%SystemRoot%\sys (86432A08-3C7D-4DDF-A89C-172FAA90485D).	10/21/2017 1:08:05 AM	Diagnostic module '{C8544339-5BE9-4F25-862E-485F1B1A6935}' (%SystemRoot%\sys (86432A08-3C7D-4DDF-A89C-172FAA90485D).	10/21/2017 1:08:14 AM	Diagnostic module '{C8544339-5BE9-4F25-862E-485F1B1A6935}' (%SystemRoot%\sys (86432A08-3C7D-4DDF-A89C-172FAA90485D).	10/23/2017 4:40:38 PM	Diagnostic module '{E4CD2E3E-3852-4952-B768-23B8B8E3D344}' (%windir%\system3 (9F41811A-0429-42AA-81B7-CFD4D968411F).								
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Disk Cleanup Diagnostic Log (Windows 10+)	<div><div> Disk Cleanup Diagnostics Log </div><p>The Disk Cleanup is designed to free up disk space on a computer's hard drive and can create a log during its diagnostics.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>6/29/2020 12:47:18 PM</td><td>Iterating cleanup plugins.</td></tr><tr><td>6/29/2020 12:47:18 PM</td><td>Plugin: Active Setup Temp Folders</td></tr><tr><td>6/29/2020 12:47:18 PM</td><td>Iterating cleanup plugins.</td></tr><tr><td>6/29/2020 12:47:18 PM</td><td>Plugin: Active Setup Temp Folders</td></tr><tr><td>6/29/2020 12:47:18 PM</td><td>Iterating cleanup plugins.</td></tr><tr><td>6/29/2020 12:47:18 PM</td><td>Plugin: Active Setup Temp Folders</td></tr></tbody></table></div>	Date and Time	Event	6/29/2020 12:47:18 PM	Iterating cleanup plugins.	6/29/2020 12:47:18 PM	Plugin: Active Setup Temp Folders	6/29/2020 12:47:18 PM	Iterating cleanup plugins.	6/29/2020 12:47:18 PM	Plugin: Active Setup Temp Folders	6/29/2020 12:47:18 PM	Iterating cleanup plugins.	6/29/2020 12:47:18 PM	Plugin: Active Setup Temp Folders				
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DPAPI Events Log	<div>  <b>DPAPI Events Log</b>  </div> <p>The DPAPI (Data Protection Application Programming Interface) component of the system is used for data encryption and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>7/10/2019 2:41:50 PM</td><td>DPAPI found credential key. Credential Key Identifier: 0xF0BF9F805AB7C31D758DAB8734D14B922FA453027F6F64CODE20; User Name: Tester 1 User Sid: WINDOWS10\Tester 1</td></tr> <tr> <td>7/10/2019 2:41:50 PM</td><td>DPAPI found credential key. Credential Key Identifier: 0xF0BF9F805AB7C31D758DAB8734D14B922FA453027F6F64CODE20; User Name: Tester 1 User Sid: WINDOWS10\Tester 1</td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 2:41:50 PM	DPAPI found credential key. Credential Key Identifier: 0xF0BF9F805AB7C31D758DAB8734D14B922FA453027F6F64CODE20; User Name: Tester 1 User Sid: WINDOWS10\Tester 1	7/10/2019 2:41:50 PM	DPAPI found credential key. Credential Key Identifier: 0xF0BF9F805AB7C31D758DAB8734D14B922FA453027F6F64CODE20; User Name: Tester 1 User Sid: WINDOWS10\Tester 1												
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Hardware Thermal Events Log	<div>  <b>Hardware Thermal Events Log</b>  </div> <p>The system can monitor overheating of hardware components and keep a log of the actions taken.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> </tbody> </table>	Date and Time	Event																
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














Kernel Boot Events Log	<div><div> <b>Kernel Boot Events Log</b> </div><p>The system can log kernel events at boot time.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>7/10/2019 3:13:20 PM</td><td>Measured Boot library encountered a failure and entered insecure state. InitState: 1, :</td></tr><tr><td>7/10/2019 3:13:20 PM</td><td>Measured Boot library encountered a failure and entered insecure state. InitState: 1, :</td></tr><tr><td>7/10/2019 3:23:24 PM</td><td>Measured Boot library encountered a failure and entered insecure state. InitState: 1, :</td></tr><tr><td>7/10/2019 3:23:24 PM</td><td>Measured Boot library encountered a failure and entered insecure state. InitState: 1, :</td></tr><tr><td>7/10/2019 3:52:57 PM</td><td>Measured Boot library encountered a failure and entered insecure state. InitState: 1, :</td></tr><tr><td>7/10/2019 3:52:57 PM</td><td>Measured Boot library encountered a failure and entered insecure state. InitState: 1, :</td></tr></tbody></table></div>	Date and Time	Event	7/10/2019 3:13:20 PM	Measured Boot library encountered a failure and entered insecure state. InitState: 1, :	7/10/2019 3:13:20 PM	Measured Boot library encountered a failure and entered insecure state. InitState: 1, :	7/10/2019 3:23:24 PM	Measured Boot library encountered a failure and entered insecure state. InitState: 1, :	7/10/2019 3:23:24 PM	Measured Boot library encountered a failure and entered insecure state. InitState: 1, :	7/10/2019 3:52:57 PM	Measured Boot library encountered a failure and entered insecure state. InitState: 1, :	7/10/2019 3:52:57 PM	Measured Boot library encountered a failure and entered insecure state. InitState: 1, :				
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Kernel Event Tracing Log	<div><div> <b>Kernel Event Tracing Log</b> </div><p>This log is used to track events occurred in the system or applications at the kernel level.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>10/21/2017 12:42:14 AM</td><td>Session "SceSetup" failed to start with the following error: 0XC0000035</td></tr><tr><td>10/21/2017 12:46:32 AM</td><td>The maximum file size for session "Circular Kernel Context Logger" has been reached</td></tr><tr><td>10/21/2017 12:46:32 AM</td><td>Session "Circular Kernel Context Logger" stopped due to the following error: 0XC000</td></tr><tr><td>10/21/2017 1:04:37 AM</td><td></td></tr><tr><td>10/21/2017 1:08:05 AM</td><td>The maximum file size for session "Circular Kernel Context Logger" has been reached</td></tr></tbody></table></div>	Date and Time	Event	10/21/2017 12:42:14 AM	Session "SceSetup" failed to start with the following error: 0XC0000035	10/21/2017 12:46:32 AM	The maximum file size for session "Circular Kernel Context Logger" has been reached	10/21/2017 12:46:32 AM	Session "Circular Kernel Context Logger" stopped due to the following error: 0XC000	10/21/2017 1:04:37 AM		10/21/2017 1:08:05 AM	The maximum file size for session "Circular Kernel Context Logger" has been reached						
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Known Folders Error Log	<div><div> <b>Known Folders Error Log</b> </div><p>The system can keep a log of errors that occurred in special folders (such as "Documents", "Downloads", "Pictures", "Videos", etc) called "Known Folders".</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>3/22/2018 2:59:57 PM</td><td>Error 0x80070005 occurred while verifying known folder 'Startup' with path 'C:\Users\</td></tr><tr><td>3/22/2018 2:59:57 PM</td><td>Error 0x80070005 occurred while verifying known folder 'Common Startup' with path</td></tr><tr><td>3/22/2018 3:00:01 PM</td><td>Error 0x80070005 occurred while verifying known folder 'Startup' with path 'C:\Users\</td></tr><tr><td>3/22/2018 3:00:01 PM</td><td>Error 0x80070005 occurred while verifying known folder 'Common Startup' with path</td></tr><tr><td>3/22/2018 3:15:39 PM</td><td>Error 0x80070005 occurred while verifying known folder 'Startup' with path 'C:\Users\</td></tr></tbody></table></div>	Date and Time	Event	3/22/2018 2:59:57 PM	Error 0x80070005 occurred while verifying known folder 'Startup' with path 'C:\Users\	3/22/2018 2:59:57 PM	Error 0x80070005 occurred while verifying known folder 'Common Startup' with path	3/22/2018 3:00:01 PM	Error 0x80070005 occurred while verifying known folder 'Startup' with path 'C:\Users\	3/22/2018 3:00:01 PM	Error 0x80070005 occurred while verifying known folder 'Common Startup' with path	3/22/2018 3:15:39 PM	Error 0x80070005 occurred while verifying known folder 'Startup' with path 'C:\Users\						
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Language Pack Setup Error Log	<div><div> <b>Language Pack Setup Error Log</b> </div><p>The system can keep a log of errors that occurred during setup of the Language Packs.</p><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>10/25/2017 11:07:42 PM</td><td>LPRemove launched.</td></tr><tr><td>10/25/2017 11:07:42 PM</td><td>LPRemove terminating.</td></tr><tr><td>10/31/2017 9:22:38 PM</td><td>LPRemove launched.</td></tr><tr><td>10/31/2017 9:22:38 PM</td><td>LPRemove terminating.</td></tr><tr><td>11/3/2017 10:29:25 PM</td><td>LPRemove launched.</td></tr><tr><td>11/3/2017 10:29:30 PM</td><td>LPRemove terminating.</td></tr><tr><td>11/8/2017 9:27:36 PM</td><td>LPRemove launched.</td></tr><tr><td>11/8/2017 9:27:36 PM</td><td>LPRemove terminating.</td></tr></tbody></table></div>	Date and Time	Event	10/25/2017 11:07:42 PM	LPRemove launched.	10/25/2017 11:07:42 PM	LPRemove terminating.	10/31/2017 9:22:38 PM	LPRemove launched.	10/31/2017 9:22:38 PM	LPRemove terminating.	11/3/2017 10:29:25 PM	LPRemove launched.	11/3/2017 10:29:30 PM	LPRemove terminating.	11/8/2017 9:27:36 PM	LPRemove launched.	11/8/2017 9:27:36 PM	LPRemove terminating.
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














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












Network Diagnostics Events Log	<div>  <b>Network Diagnostics Events Log</b>  </div> <p>During diagnosing and troubleshooting network problems, the system can create an event log.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>3/2/2022 3:12:46 AM</td><td>Network Diagnostics Framework started because the user requested a diagnostics session. Helper Class Name: NetworkSnapshot Number of parameters: 2 Attributes passed to helper class: adapterguid=""; mode="NetTroubleshooter";</td></tr> <tr> <td>3/2/2022 3:12:47 AM</td><td>Network Diagnostics Framework stopped because it completed the user initiated diagnostics session. Result: Success, no problems found. [1]</td></tr> </tbody> </table>	Date and Time	Event	3/2/2022 3:12:46 AM	Network Diagnostics Framework started because the user requested a diagnostics session. Helper Class Name: NetworkSnapshot Number of parameters: 2 Attributes passed to helper class: adapterguid=""; mode="NetTroubleshooter";	3/2/2022 3:12:47 AM	Network Diagnostics Framework stopped because it completed the user initiated diagnostics session. Result: Success, no problems found. [1]						
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Partition Diagnostics Events Log (Windows 10+)	<div>  <b>Partition Diagnostics Events Log</b> <span>Clean Now</span> </div> <p>The system can keep a log of events that occurred during the diagnostics of data storage devices connected to this PC.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>7/10/2019 3:13:23 PM</td><td>Model: TOSHIBA DT01ACA100 Manufacturer: NULL Disk id: (d7bdea8-07fe-c398-4054-cd806d0d42c0) Disk Number: 0 Capacity: 1000204886016 Bytes Per Sector: 512 Bytes Per Logical Sector: 512 Bytes Per Physical Sector: 4096 Revision: MS20A750 Storage Id: 500003F9FBC26E5F System Critical: true Power Protected: false Trim Supported: false</td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 3:13:23 PM	Model: TOSHIBA DT01ACA100 Manufacturer: NULL Disk id: (d7bdea8-07fe-c398-4054-cd806d0d42c0) Disk Number: 0 Capacity: 1000204886016 Bytes Per Sector: 512 Bytes Per Logical Sector: 512 Bytes Per Physical Sector: 4096 Revision: MS20A750 Storage Id: 500003F9FBC26E5F System Critical: true Power Protected: false Trim Supported: false								
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PCW Diagnostics Events Log	<div>  <b>PCW Diagnostics Events Log</b> <span>Clean Now</span> </div> <p>The PCW (Performance Counters for Windows) are used for collecting various kinds of system data such as CPU, memory, and disk usage statistics. They can keep an event log of their diagnostics.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> </tbody> </table>	Date and Time	Event										
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Privacy Auditing Events Log (Windows 10+)	<div>  <b>Privacy Auditing Events Log</b>  </div> <p>The system can audit changes in the access rights of applications to various system components.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>6/18/2020 5:05:21 PM</td><td>Allow access to wifiData on this device default setting successfully created as Allow.</td></tr> <tr><td>6/18/2020 5:06:23 PM</td><td>During app cellularData installation setting cellularData default set for user Tester 1 as Allow.</td></tr> <tr><td>6/18/2020 5:06:23 PM</td><td>Allow access to wifiData on this device default setting successfully created as Tester 1.</td></tr> <tr><td>6/18/2020 5:06:23 PM</td><td>During app wifiData installation setting wifiData default set for user Tester 1 as Allow.</td></tr> <tr><td>6/18/2020 5:06:25 PM</td><td>During app microphone installation setting microphone default set for user Tester 1 as Allow.</td></tr> <tr><td>6/18/2020 5:06:32 PM</td><td>During app contacts installation setting contacts default set for user Tester 1 as Prompt.</td></tr> <tr><td>6/18/2020 5:06:32 PM</td><td>During app picturesLibrary installation setting picturesLibrary default set for user Tester 1 as Allow.</td></tr> </tbody> </table>	Date and Time	Event	6/18/2020 5:05:21 PM	Allow access to wifiData on this device default setting successfully created as Allow.	6/18/2020 5:06:23 PM	During app cellularData installation setting cellularData default set for user Tester 1 as Allow.	6/18/2020 5:06:23 PM	Allow access to wifiData on this device default setting successfully created as Tester 1.	6/18/2020 5:06:23 PM	During app wifiData installation setting wifiData default set for user Tester 1 as Allow.	6/18/2020 5:06:25 PM	During app microphone installation setting microphone default set for user Tester 1 as Allow.	6/18/2020 5:06:32 PM	During app contacts installation setting contacts default set for user Tester 1 as Prompt.	6/18/2020 5:06:32 PM	During app picturesLibrary installation setting picturesLibrary default set for user Tester 1 as Allow.
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PCA Events Log	<div>  <b>Program Compatibility Assistant Events Log</b>  </div> <p>Program Compatibility Assistant (PCA) helps end users to run desktop applications designed for earlier Windows versions and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Program Path</th></tr> </thead> <tbody> <tr><td>11/17/2017 8:53:29 PM</td><td>C:\Users\Tester 1\AppData\Local\Packages\Microsoft.MicrosoftEdge_8wekyb3d8bbwe</td></tr> <tr><td>11/29/2017 9:24:34 PM</td><td>C:\Users\Tester 1\AppData\Local\Packages\Microsoft.MicrosoftEdge_8wekyb3d8bbwe</td></tr> <tr><td>12/28/2017 10:12:40 PM</td><td>C:\Users\Tester 1\AppData\Local\Packages\Microsoft.MicrosoftEdge_8wekyb3d8bbwe</td></tr> <tr><td>1/17/2018 8:13:16 PM</td><td>D:\INSTALL\VirtualBox\VirtualBox-5.2.6-120293-Win.exe</td></tr> </tbody> </table>	Date and Time	Program Path	11/17/2017 8:53:29 PM	C:\Users\Tester 1\AppData\Local\Packages\Microsoft.MicrosoftEdge_8wekyb3d8bbwe	11/29/2017 9:24:34 PM	C:\Users\Tester 1\AppData\Local\Packages\Microsoft.MicrosoftEdge_8wekyb3d8bbwe	12/28/2017 10:12:40 PM	C:\Users\Tester 1\AppData\Local\Packages\Microsoft.MicrosoftEdge_8wekyb3d8bbwe	1/17/2018 8:13:16 PM	D:\INSTALL\VirtualBox\VirtualBox-5.2.6-120293-Win.exe						
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Resource Exhaustion Detector Log	<div>  <b>Resource Exhaustion Detector Log</b>  </div> <p>The Windows Resource Exhaustion Detector notifies the user of the exhaustion of system resources (free disk space, free memory, etc.) and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>10/21/2017 12:52:37 AM</td><td>The Windows Resource Exhaustion Detector started.</td></tr> <tr><td>10/21/2017 1:06:11 AM</td><td>The Windows Resource Exhaustion Detector started.</td></tr> <tr><td>10/31/2017 10:10:47 PM</td><td>The Windows Resource Exhaustion Detector started.</td></tr> <tr><td>11/1/2017 12:51:12 AM</td><td>The Windows Resource Exhaustion Detector started.</td></tr> <tr><td>11/1/2017 3:07:34 PM</td><td>The Windows Resource Exhaustion Detector started.</td></tr> <tr><td>11/1/2017 11:29:34 PM</td><td>The Windows Resource Exhaustion Detector started.</td></tr> <tr><td>11/1/2017 11:46:50 PM</td><td>The Windows Resource Exhaustion Detector started.</td></tr> </tbody> </table>	Date and Time	Event	10/21/2017 12:52:37 AM	The Windows Resource Exhaustion Detector started.	10/21/2017 1:06:11 AM	The Windows Resource Exhaustion Detector started.	10/31/2017 10:10:47 PM	The Windows Resource Exhaustion Detector started.	11/1/2017 12:51:12 AM	The Windows Resource Exhaustion Detector started.	11/1/2017 3:07:34 PM	The Windows Resource Exhaustion Detector started.	11/1/2017 11:29:34 PM	The Windows Resource Exhaustion Detector started.	11/1/2017 11:46:50 PM	The Windows Resource Exhaustion Detector started.
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














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SMB Client Security Events Log	<div>  <b>SMB Client Security Events Log</b>  </div> <p>The Server Message Block (SMB) protocol is mainly used for providing shared access to files and printers and miscellaneous communications between nodes on a network. In the list below you can see the security events of the client-side SMB.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>7/20/2020 1:55:20 PM</td><td>The AllowInsecureGuestAuth registry value is not configured with default settings. Default Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:0 Configured Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:1</td></tr> <tr> <td>5/11/2021 6:42:29 PM</td><td>The AllowInsecureGuestAuth registry value is not configured with default settings. Default Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:0 Configured Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:1</td></tr> <tr> <td>5/11/2021 6:49:57 PM</td><td>The AllowInsecureGuestAuth registry value is not configured with default settings. Default Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:0 Configured Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:1</td></tr> </tbody> </table>	Date and Time	Event	7/20/2020 1:55:20 PM	The AllowInsecureGuestAuth registry value is not configured with default settings. Default Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:0 Configured Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:1	5/11/2021 6:42:29 PM	The AllowInsecureGuestAuth registry value is not configured with default settings. Default Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:0 Configured Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:1	5/11/2021 6:49:57 PM	The AllowInsecureGuestAuth registry value is not configured with default settings. Default Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:0 Configured Registry Value: [HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters] "AllowInsecureGuestAuth"=dword:1										
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












SMS Router Service Events Log (Windows 10+)	<div>  <b>SMS Router Service Events Log</b> <span>Clean Now</span> </div> <p>The Microsoft Windows SMS Router Service routes messages based on rules to appropriate clients and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>7/10/2019 3:38:10 PM</td><td>SmsRouter is started</td></tr> <tr> <td>7/10/2019 3:38:12 PM</td><td>SmsBroker is started</td></tr> <tr> <td>7/10/2019 3:44:10 PM</td><td>SmsBroker is stopped</td></tr> <tr> <td>7/10/2019 3:44:10 PM</td><td>SmsRouter is stopped</td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 3:38:10 PM	SmsRouter is started	7/10/2019 3:38:12 PM	SmsBroker is started	7/10/2019 3:44:10 PM	SmsBroker is stopped	7/10/2019 3:44:10 PM	SmsRouter is stopped										
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SPP UX Events Log	<div>  <b>SPP UX Events Log</b> <span>Clean Now</span> </div> <p>The SPP UX (Software Protection Platform User Experience) component of the system handles the user experience for Windows licensing and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>6/18/2020 6:06:40 PM</td><td>SLUI event written to notify Action Center of change in activation state</td></tr> </tbody> </table>	Date and Time	Event	6/18/2020 6:06:40 PM	SLUI event written to notify Action Center of change in activation state																
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State Repository Service Events Log (Windows 10+)	<div>  <b>State Repository Service Events Log</b> <span>Clean Now</span> </div> <p>The State Repository Service provides required infrastructure support for applications and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>7/10/2019 3:20:09 PM</td><td>ANALYZE command has run; database statistics are updated [Partition=1, Processid=1]</td></tr> <tr> <td>7/10/2019 3:20:09 PM</td><td>StateRepository partition 1 upgraded [SchemaVersion=8448 -&gt; 17664]</td></tr> <tr> <td>7/10/2019 3:20:12 PM</td><td>ANALYZE command has run; database statistics are updated [Partition=2, Processid=1]</td></tr> <tr> <td>7/10/2019 3:20:12 PM</td><td>StateRepository partition 2 upgraded [SchemaVersion=8448 -&gt; 17664]</td></tr> <tr> <td>7/10/2019 3:20:13 PM</td><td>Migrator 'Deployment.Package.PopulateMostRecentlyStaged' starting</td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 3:20:09 PM	ANALYZE command has run; database statistics are updated [Partition=1, Processid=1]	7/10/2019 3:20:09 PM	StateRepository partition 1 upgraded [SchemaVersion=8448 -> 17664]	7/10/2019 3:20:12 PM	ANALYZE command has run; database statistics are updated [Partition=2, Processid=1]	7/10/2019 3:20:12 PM	StateRepository partition 2 upgraded [SchemaVersion=8448 -> 17664]	7/10/2019 3:20:13 PM	Migrator 'Deployment.Package.PopulateMostRecentlyStaged' starting								
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Storage Management Events Log (Windows 10+)	<div>  <b>Storage Management Events Log</b> <span>Clean Now</span> </div> <p>The Windows Storage Management component can be used to manage a wide range of storage configurations, from single-disk desktops to external storage arrays.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> </tbody> </table>	Date and Time	Event																		
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Storage PnP Events Log	<div>  <b>Storage PnP Events Log</b> <span>Clean Now</span> </div> <p>The system can keep a log of events that occurred during PnP operations on storage devices.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>2/24/2021 12:47:34 PM</td><td>Completing a failed upper level write request.</td></tr> <tr> <td>2/24/2021 12:47:34 PM</td><td>Completing a failed Write SCSI SRB request.</td></tr> <tr> <td>2/24/2021 12:47:34 PM</td><td>Completing a failed upper level write request.</td></tr> <tr> <td>2/24/2021 12:47:34 PM</td><td>Completing a failed Write SCSI SRB request.</td></tr> <tr> <td>2/24/2021 12:47:34 PM</td><td>Completing a failed upper level write request.</td></tr> </tbody> </table>	Date and Time	Event	2/24/2021 12:47:34 PM	Completing a failed upper level write request.	2/24/2021 12:47:34 PM	Completing a failed Write SCSI SRB request.	2/24/2021 12:47:34 PM	Completing a failed upper level write request.	2/24/2021 12:47:34 PM	Completing a failed Write SCSI SRB request.	2/24/2021 12:47:34 PM	Completing a failed upper level write request.								
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Storage Service Diagnostics Log (Windows 10+)	<div>  <b>Storage Service Diagnostics Log</b> <span>Clean Now</span> </div> <p>The Storage Service provides enabling services for storage settings and external storage expansion, and can create a log of its diagnostics.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>6/18/2020 5:45:06 PM</td><td>Disk Index: 0</td></tr> <tr> <td></td><td>Total Disks: 1</td></tr> <tr> <td></td><td>Disk Number: 0</td></tr> <tr> <td></td><td>Product Id: TOSHIBA DT01ACA100</td></tr> <tr> <td></td><td>Serial Number: 44H5ATLKS</td></tr> <tr> <td></td><td>File System: NTFS</td></tr> <tr> <td></td><td>Volume Count: 7</td></tr> <tr> <td></td><td>Contains Raw Volumes: false</td></tr> <tr> <td></td><td>Size: 1000204886016</td></tr> </tbody> </table>	Date and Time	Event	6/18/2020 5:45:06 PM	Disk Index: 0		Total Disks: 1		Disk Number: 0		Product Id: TOSHIBA DT01ACA100		Serial Number: 44H5ATLKS		File System: NTFS		Volume Count: 7		Contains Raw Volumes: false		Size: 1000204886016
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




TWinUI Events Log	<div><div><div><div><div></div><div>TWinUI Events Log</div><div><div>Clean Now</div></div></div><div><div>The TWinUI (Tablet Windows User Interface) is to be used for launching UWP (Universal Windows Platform) applications from usual applications and can create a log of its events.</div><div><table><tr><th>Date and Time</th><th>Source</th><th>Event</th></tr><tr><td>10/21/2017 1:15:37 AM</td><td>Microsoft-Windows-Immersive-Shell</td><td>Unknown</td></tr><tr><td>10/23/2017 6:43:42 PM</td><td>Microsoft-Windows-Immersive-Shell</td><td>Unknown</td></tr><tr><td>10/25/2017 11:44:10 PM</td><td>Microsoft-Windows-Immersive-Shell</td><td>Unknown</td></tr><tr><td>11/1/2017 12:58:37 AM</td><td>Microsoft-Windows-Immersive-Shell</td><td>Unknown</td></tr><tr><td>11/2/2017 8:37:08 PM</td><td>Microsoft-Windows-Immersive-Shell</td><td>Unknown</td></tr><tr><td>11/2/2017 9:46:06 PM</td><td>Microsoft-Windows-Immersive-Shell</td><td>Unknown</td></tr></table></div></div></div></div></div>	Date and Time	Source	Event	10/21/2017 1:15:37 AM	Microsoft-Windows-Immersive-Shell	Unknown	10/23/2017 6:43:42 PM	Microsoft-Windows-Immersive-Shell	Unknown	10/25/2017 11:44:10 PM	Microsoft-Windows-Immersive-Shell	Unknown	11/1/2017 12:58:37 AM	Microsoft-Windows-Immersive-Shell	Unknown	11/2/2017 8:37:08 PM	Microsoft-Windows-Immersive-Shell	Unknown	11/2/2017 9:46:06 PM	Microsoft-Windows-Immersive-Shell	Unknown
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UAC Events Log	<div><div><div><div><div></div><div>UAC Events Log</div><div><div>Clean Now</div></div></div><div><div>The User Account Control (UAC) can create a log of its events that can assist in troubleshooting.</div><div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>11/16/2020 10:26:39 AM</td><td>The process failed to handle ERROR_ELEVATION_REQUIRED during the c</td></tr><tr><td>11/16/2020 10:29:54 AM</td><td>The process failed to handle ERROR_ELEVATION_REQUIRED during the c</td></tr><tr><td>11/16/2020 10:30:15 AM</td><td>The process failed to handle ERROR_ELEVATION_REQUIRED during the c</td></tr><tr><td>11/16/2020 10:34:55 AM</td><td>The process failed to handle ERROR_ELEVATION_REQUIRED during the c</td></tr><tr><td>11/16/2020 10:35:16 AM</td><td>The process failed to handle ERROR_ELEVATION_REQUIRED during the c</td></tr></table></div></div></div></div></div>	Date and Time	Event	11/16/2020 10:26:39 AM	The process failed to handle ERROR_ELEVATION_REQUIRED during the c	11/16/2020 10:29:54 AM	The process failed to handle ERROR_ELEVATION_REQUIRED during the c	11/16/2020 10:30:15 AM	The process failed to handle ERROR_ELEVATION_REQUIRED during the c	11/16/2020 10:34:55 AM	The process failed to handle ERROR_ELEVATION_REQUIRED during the c	11/16/2020 10:35:16 AM	The process failed to handle ERROR_ELEVATION_REQUIRED during the c									
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UAC File Virtualization Log	<div><div><div><div><div></div><div>UAC File Virtualization Log</div><div><div>Clean Now</div></div></div><div><div>For security reasons, UAC (User Account Control) usually virtualizes files in system folders and can keep a log of these actions.</div><div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>11/29/2017 9:24:33 PM</td><td></td></tr><tr><td>11/29/2017 9:24:33 PM</td><td></td></tr><tr><td>11/29/2017 9:24:33 PM</td><td></td></tr><tr><td>11/29/2017 9:24:33 PM</td><td></td></tr><tr><td>11/29/2017 9:24:33 PM</td><td></td></tr></table></div></div></div></div></div>	Date and Time	Event	11/29/2017 9:24:33 PM		11/29/2017 9:24:33 PM		11/29/2017 9:24:33 PM		11/29/2017 9:24:33 PM		11/29/2017 9:24:33 PM										
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User Profile Service Events Log	<div><div><div><div><div></div><div>User Profile Service Events Log</div><div><div>Clean Now</div></div></div><div><div>The User Profile Service is responsible for loading and unloading user profiles and can create a log of its events.</div><div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>10/21/2017 12:46:59 AM</td><td>Registry file C:\Users\remote\ntuser.dat is loaded at S-1-5-21-3229151806-18695996</td></tr><tr><td>10/21/2017 12:47:00 AM</td><td>Registry file C:\Users\remote\AppData\Local\Microsoft\Windows\UsrClass.dat is k</td></tr><tr><td>10/21/2017 12:47:01 AM</td><td>Registry file C:\Users\Tester\ntuser.dat is loaded at S-1-5-21-3229151806-18695996</td></tr><tr><td>10/21/2017 12:47:01 AM</td><td>Registry file C:\Users\Tester\AppData\Local\Microsoft\Windows\UsrClass.dat is l</td></tr><tr><td>10/21/2017 1:06:11 AM</td><td>Disable background user hive upload task succeeded.</td></tr><tr><td>10/21/2017 1:06:24 AM</td><td>Received user logon notification on session 1.</td></tr></table></div></div></div></div></div>	Date and Time	Event	10/21/2017 12:46:59 AM	Registry file C:\Users\remote\ntuser.dat is loaded at S-1-5-21-3229151806-18695996	10/21/2017 12:47:00 AM	Registry file C:\Users\remote\AppData\Local\Microsoft\Windows\UsrClass.dat is k	10/21/2017 12:47:01 AM	Registry file C:\Users\Tester\ntuser.dat is loaded at S-1-5-21-3229151806-18695996	10/21/2017 12:47:01 AM	Registry file C:\Users\Tester\AppData\Local\Microsoft\Windows\UsrClass.dat is l	10/21/2017 1:06:11 AM	Disable background user hive upload task succeeded.	10/21/2017 1:06:24 AM	Received user logon notification on session 1.							
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10/21/2017 12:47:01 AM	Registry file C:\Users\Tester\AppData\Local\Microsoft\Windows\UsrClass.dat is l																					
10/21/2017 1:06:11 AM	Disable background user hive upload task succeeded.																					
10/21/2017 1:06:24 AM	Received user logon notification on session 1.																					
UTC Service Events Log (Windows 10+)	<div><div><div><div><div></div><div>UTC Service Events Log</div><div><div>Clean Now</div></div></div><div><div>The Universal Telemetry Client (UTC) service collects telemetry data from Windows 10 to identify security and reliability issues, to analyze and fix software problems, to help improve the quality of Windows and related services, and to make design decisions for future releases.</div><div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>7/10/2019 2:18:55 PM</td><td></td></tr><tr><td>7/10/2019 2:18:57 PM</td><td>The service has been started to the following state: 0.</td></tr><tr><td>7/10/2019 2:18:58 PM</td><td>Is the Battery Saver state enabled: false</td></tr><tr><td>7/10/2019 2:18:58 PM</td><td>Is the device in connected standby: false</td></tr><tr><td>7/10/2019 2:24:25 PM</td><td>The service has been started to the following state: 0.</td></tr><tr><td>7/10/2019 2:24:26 PM</td><td>Is the Battery Saver state enabled: false</td></tr><tr><td>7/10/2019 2:24:26 PM</td><td>Is the device in connected standby: false</td></tr><tr><td>7/10/2019 2:24:26 PM</td><td>Is a free network available: false</td></tr></table></div></div></div></div></div>	Date and Time	Event	7/10/2019 2:18:55 PM		7/10/2019 2:18:57 PM	The service has been started to the following state: 0.	7/10/2019 2:18:58 PM	Is the Battery Saver state enabled: false	7/10/2019 2:18:58 PM	Is the device in connected standby: false	7/10/2019 2:24:25 PM	The service has been started to the following state: 0.	7/10/2019 2:24:26 PM	Is the Battery Saver state enabled: false	7/10/2019 2:24:26 PM	Is the device in connected standby: false	7/10/2019 2:24:26 PM	Is a free network available: false			
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VHDMF Events Log	<div><div><div><div><div></div><div>VHDMF Events Log</div><div><div>Clean Now</div></div></div><div><div>The VHDMF (Virtual Hard Disk MiniPort) is used to simulate disk device, for example, when you mount an ISO image.</div><div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>3/6/2022 9:42:54 AM</td><td>Starting to open handle for virtual disk.</td></tr><tr><td>3/6/2022 9:42:54 AM</td><td>Virtual disk object created: 0xfffffa80295f040.</td></tr><tr><td>3/6/2022 9:42:54 AM</td><td>Starting to create the handle for the file backing virtual disk '\\.\D:\RDI Panels\7p0\R-Drive\</td></tr><tr><td>3/6/2022 9:42:54 AM</td><td>Handle for the file backing virtual disk '\\.\D:\RDI Panels\7p0\R-Drive\image-7000.iso' crea</td></tr><tr><td>3/6/2022 9:42:54 AM</td><td>Starting to create the handle for the file backing virtual disk 'D:\RDI Panels\7p0\R-Drive\m</td></tr></table></div></div></div></div></div>	Date and Time	Event	3/6/2022 9:42:54 AM	Starting to open handle for virtual disk.	3/6/2022 9:42:54 AM	Virtual disk object created: 0xfffffa80295f040.	3/6/2022 9:42:54 AM	Starting to create the handle for the file backing virtual disk '\\.\D:\RDI Panels\7p0\R-Drive\	3/6/2022 9:42:54 AM	Handle for the file backing virtual disk '\\.\D:\RDI Panels\7p0\R-Drive\image-7000.iso' crea	3/6/2022 9:42:54 AM	Starting to create the handle for the file backing virtual disk 'D:\RDI Panels\7p0\R-Drive\m									
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Volume Snapshot Driver Events Log (Windows 10+)	<div><div><div><div><div></div><div>Volume Snapshot Driver Events Log</div><div><div>Clean Now</div></div></div><div><div>Snapshots allow the creation of consistent backups of a volume, ensuring that the contents do not change and are not locked while the backup is being made.</div><div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>7/29/2019 2:48:53 PM</td><td>The volume snapshot driver has completed processing for volume online.</td></tr><tr><td></td><td>Volume GUID : {44fd3858-351c-43f0-8439-1a637cad5428}</td></tr><tr><td></td><td>Guidance:</td></tr><tr><td></td><td>The volume snapshot driver was able to scan for any persistent snapshots on this volume.</td></tr><tr><td></td><td>You should expect this event when a volume is brought online. No user action is required.</td></tr></table></div></div></div></div></div>	Date and Time	Event	7/29/2019 2:48:53 PM	The volume snapshot driver has completed processing for volume online.		Volume GUID : {44fd3858-351c-43f0-8439-1a637cad5428}		Guidance:		The volume snapshot driver was able to scan for any persistent snapshots on this volume.		You should expect this event when a volume is brought online. No user action is required.									
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WCM Service Events Log	<div><div><div><div><div></div><div>WCM Service Events Log</div><div><div>Clean Now</div></div></div><div><div>The Windows Connection Manager (WCM) service makes automatic connect/disconnect decisions by looking at Ethernet, Wi-Fi, and mobile broadband interfaces and can create a log of its events.</div><div><table><tr><th>Date and Time</th><th>Event</th></tr><tr><td>2/20/2018 6:35:36 PM</td><td>WCMSVC: Start WCM Service Startup</td></tr><tr><td>2/20/2018 6:35:36 PM</td><td>CDE reported an NDIS adapter arrival</td></tr><tr><td></td><td>Interface: {1C9D2EF5-B008-409F-A1C4-92900882896D}</td></tr><tr><td></td><td>Type: Ethernet</td></tr><tr><td>2/20/2018 6:35:36 PM</td><td>CDE reported an L2 adapter arrival</td></tr><tr><td></td><td>Interface: {1C9D2EF5-B008-409F-A1C4-92900882896D}</td></tr><tr><td></td><td>Type: Ethernet</td></tr></table></div></div></div></div></div>	Date and Time	Event	2/20/2018 6:35:36 PM	WCMSVC: Start WCM Service Startup	2/20/2018 6:35:36 PM	CDE reported an NDIS adapter arrival		Interface: {1C9D2EF5-B008-409F-A1C4-92900882896D}		Type: Ethernet	2/20/2018 6:35:36 PM	CDE reported an L2 adapter arrival		Interface: {1C9D2EF5-B008-409F-A1C4-92900882896D}		Type: Ethernet					
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Web Authentication Events Log (Windows 10+)	<div>  <b>Web Authentication Events Log</b>  </div> <p>The Web Authentication provides an open, scalable, and interoperable solution to facilitate authentication, which replaces passwords with stronger hardware-bound credentials.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>7/16/2019 3:07:25 PM</td><td>Ctap service started successfully.</td></tr> <tr><td>7/17/2019 1:41:17 PM</td><td>Ctap service started successfully.</td></tr> <tr><td>7/19/2019 10:48:15 AM</td><td>Ctap service started successfully.</td></tr> <tr><td>7/22/2019 3:45:58 PM</td><td>Ctap service started successfully.</td></tr> <tr><td>7/24/2019 5:24:24 AM</td><td>Ctap service started successfully.</td></tr> <tr><td>7/24/2019 11:39:36 AM</td><td>Ctap service started successfully.</td></tr> </tbody> </table>	Date and Time	Event	7/16/2019 3:07:25 PM	Ctap service started successfully.	7/17/2019 1:41:17 PM	Ctap service started successfully.	7/19/2019 10:48:15 AM	Ctap service started successfully.	7/22/2019 3:45:58 PM	Ctap service started successfully.	7/24/2019 5:24:24 AM	Ctap service started successfully.	7/24/2019 11:39:36 AM	Ctap service started successfully.
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WER Diagnostics Events Log	<div>  <b>WER Diagnostics Events Log</b>  </div> <p>The Windows Error Reporting (WER) service enables users to notify Microsoft of application faults, kernel faults, unresponsive applications, and other application specific problems. It can create a log of its diagnostics.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> </tbody> </table>	Date and Time	Event												
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WER Upload Events Log (Windows 10+)	<div>  <b>WER Upload Events Log</b>  </div> <p>The Windows Error Reporting (WER) service enables users to notify Microsoft of application faults, kernel faults, unresponsive applications, and other application specific problems. It can create a log of the events during report upload.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>7/11/2019 2:14:39 PM</td><td>           Uploaded: 4836 bytes            Server: watson.telemetry.microsoft.com            Protocol: Watson            Stage: s1event            Upload duration: 891            Size: 4371 bytes         </td></tr> <tr> <td>7/11/2019 3:48:24 PM</td><td>           Uploaded: 4371 bytes            Server: watson.telemetry.microsoft.com            Protocol: Watson            Stage: s1event            Upload duration: 750            Size: 4536 bytes            Uploaded: 4536 bytes         </td></tr> </tbody> </table>	Date and Time	Event	7/11/2019 2:14:39 PM	Uploaded: 4836 bytes Server: watson.telemetry.microsoft.com Protocol: Watson Stage: s1event Upload duration: 891 Size: 4371 bytes	7/11/2019 3:48:24 PM	Uploaded: 4371 bytes Server: watson.telemetry.microsoft.com Protocol: Watson Stage: s1event Upload duration: 750 Size: 4536 bytes Uploaded: 4536 bytes								
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WFP Events Log	<div>  <b>WFP Events Log</b>  </div> <p>The Windows Filtering Platform (WFP), which allows Windows software to process and filter network traffic, can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>7/3/2020 10:52:13 AM</td><td>           Transaction Watchdog Timeout            The filtering engine has exceeded the configured threshold to process a transaction. Ti            Owning Process ID: 2524            Transaction Time (msec): 331762985            Transaction Commit Time (msec): 16            Configured Threshold (msec): 500         </td></tr> </tbody> </table>	Date and Time	Event	7/3/2020 10:52:13 AM	Transaction Watchdog Timeout The filtering engine has exceeded the configured threshold to process a transaction. Ti Owning Process ID: 2524 Transaction Time (msec): 331762985 Transaction Commit Time (msec): 16 Configured Threshold (msec): 500										
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WFP IKE Events Log	<div>  <b>WFP IKE Events Log</b>  </div> <p>Being one of the Windows Filtering Platform (WFP) keying modules, the Internet Key Exchange (IKE) is used while setting up a secure connection and accomplishes the safe exchange of secret keys and other protection-related parameters without the intervention of the user.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> </tbody> </table>	Date and Time	Event												
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WHEA Events Log	<div>  <b>WHEA Events Log</b>  </div> <p>The Windows Hardware Error Architecture (WHEA) provides a hardware error handling mechanism and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>10/21/2017 12:41:19 AM</td><td>           WHEA successfully initialized.            4 error sources are active            Error record format version is 10.         </td></tr> <tr> <td>10/21/2017 12:56:41 AM</td><td>           WHEA successfully initialized.            4 error sources are active            Error record format version is 10.         </td></tr> </tbody> </table>	Date and Time	Event	10/21/2017 12:41:19 AM	WHEA successfully initialized. 4 error sources are active Error record format version is 10.	10/21/2017 12:56:41 AM	WHEA successfully initialized. 4 error sources are active Error record format version is 10.								
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Win32 Driver Events Log (Windows 10+)	<div>  <b>Win32 Driver Events Log</b>  </div> <p>The Win32 Driver is the kernel-mode side of the Win32 subsystem of Windows that loaded when the boot process is complete and system moves into the User mode.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> </tbody> </table>	Date and Time	Event												
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Windows Biometric Service Events Log	<div>  <b>Windows Biometric Service Events Log</b>  </div> <p>The Windows Biometric Service provides the ability to capture, compare, manipulate, and store biometric data without access to any biometric hardware and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr> <td>7/10/2019 3:45:54 PM</td><td>           The Windows Biometric Service failed to start its secure component.            The operation failed with error: 0x8009801F         </td></tr> <tr> <td>7/10/2019 3:45:54 PM</td><td>           The Windows Biometric Service failed to initialize an adapter binary: Windows Hello Fi            The module's "Sensor Adapter" initialization routine failed with error: 0x80004001         </td></tr> <tr> <td>7/10/2019 3:45:54 PM</td><td>           The Windows Biometric Service failed to configure a Biometric Unit for sensor: Windo            The operation failed with error: 0x8009801F         </td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 3:45:54 PM	The Windows Biometric Service failed to start its secure component. The operation failed with error: 0x8009801F	7/10/2019 3:45:54 PM	The Windows Biometric Service failed to initialize an adapter binary: Windows Hello Fi The module's "Sensor Adapter" initialization routine failed with error: 0x80004001	7/10/2019 3:45:54 PM	The Windows Biometric Service failed to configure a Biometric Unit for sensor: Windo The operation failed with error: 0x8009801F						
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Windows Container Isolation Service Log (Windows 10+)	<div>  <b>Windows Container Isolation Service Log</b>  </div> <p>Containers are a technology for packaging and running applications across diverse environments on-premises and in the cloud. Containers provide a lightweight, isolated environment that makes apps easier to develop, deploy, and manage.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>7/10/2019 3:18:43 PM</td><td>WCIFS filter registration succeeded</td></tr> <tr><td>7/10/2019 3:24:05 PM</td><td>WCIFS filter registration succeeded</td></tr> <tr><td>7/10/2019 3:53:26 PM</td><td>WCIFS filter registration succeeded</td></tr> <tr><td>7/16/2019 2:45:15 PM</td><td>WCIFS filter registration succeeded</td></tr> </tbody> </table>	Date and Time	Event	7/10/2019 3:18:43 PM	WCIFS filter registration succeeded	7/10/2019 3:24:05 PM	WCIFS filter registration succeeded	7/10/2019 3:53:26 PM	WCIFS filter registration succeeded	7/16/2019 2:45:15 PM	WCIFS filter registration succeeded						
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Windows Container Bind Filter Log (Windows 10+)	<div>  <b>Windows Container Bind Filter Events Log</b>  </div> <p>The Windows Bind Filter is a service that binds filesystem namespaces to different locations and hides this remapping from the user.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>6/18/2020 4:40:11 PM</td><td>BINDFLT filter registration succeeded</td></tr> <tr><td>6/18/2020 4:47:52 PM</td><td>BINDFLT filter registration succeeded</td></tr> <tr><td>6/18/2020 4:50:56 PM</td><td>BINDFLT filter registration succeeded</td></tr> <tr><td>6/18/2020 5:21:12 PM</td><td>BINDFLT filter registration succeeded</td></tr> <tr><td>6/22/2020 4:11:07 PM</td><td>BINDFLT filter registration succeeded</td></tr> <tr><td>6/22/2020 6:37:09 PM</td><td>BINDFLT filter registration succeeded</td></tr> </tbody> </table>	Date and Time	Event	6/18/2020 4:40:11 PM	BINDFLT filter registration succeeded	6/18/2020 4:47:52 PM	BINDFLT filter registration succeeded	6/18/2020 4:50:56 PM	BINDFLT filter registration succeeded	6/18/2020 5:21:12 PM	BINDFLT filter registration succeeded	6/22/2020 4:11:07 PM	BINDFLT filter registration succeeded	6/22/2020 6:37:09 PM	BINDFLT filter registration succeeded		
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Windows Defender Events Log	<div>  <b>Windows Defender Events Log</b>  </div> <p>The Windows Defender Service helps protect users from malware and other potentially unwanted software and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>3/23/2018 5:19:51 PM</td><td>Endpoint Protection client is up and running in a healthy state. Platform version: 4.12.17007.18022 Engine Version: 1.1.14600.4 Signature Version: 1.263.944.0</td></tr> <tr><td>3/23/2018 5:57:56 PM</td><td>Windows Defender scan has started. Scan ID: (D2020215-DA74-4C7C-A924-C220402A4068) Scan Type: Antimalware Scan Parameters: Quick Scan User: NT AUTHORITY\SYSTEM</td></tr> </tbody> </table>	Date and Time	Event	3/23/2018 5:19:51 PM	Endpoint Protection client is up and running in a healthy state. Platform version: 4.12.17007.18022 Engine Version: 1.1.14600.4 Signature Version: 1.263.944.0	3/23/2018 5:57:56 PM	Windows Defender scan has started. Scan ID: (D2020215-DA74-4C7C-A924-C220402A4068) Scan Type: Antimalware Scan Parameters: Quick Scan User: NT AUTHORITY\SYSTEM										
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Windows Defender Monitoring Log	<div>  <b>Windows Defender Monitoring Log</b>  </div> <p>The Activity Center monitors the state of the Windows Defender and can create a log of this monitoring</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> </tbody> </table>	Date and Time	Event														
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Windows Firewall Diagnostics Log (Windows 10+)	<div>  <b>Windows Firewall Diagnostics Log</b>  </div> <p>The Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network and can create the diagnostics log that can assist in troubleshooting.</p> <table border="1"> <thead> <tr> <th>Date and Time</th><th>Event</th></tr> </thead> <tbody> <tr><td>8/9/2020 10:47:11 AM</td><td>FwThreadWaitTimeAndHoldTimeForFwLock callersAppCommandLine: "MPSSVC", callerFunctionName: "FwDynDataConnectivityUpdate", threadWaitAndLockHoldTimeMs: 56811938, fwLockHoldTimeMs: 56811938</td></tr> <tr><td>10/13/2020 11:59:23 AM</td><td>FwThreadWaitTimeAndHoldTimeForFwLock callersAppCommandLine: "MPSSVC", callerFunctionName: "FwProfileMgrUpdateCachedPolicy", threadWaitAndLockHoldTimeMs: 5250, fwLockHoldTimeMs: 5250</td></tr> </tbody> </table>	Date and Time	Event	8/9/2020 10:47:11 AM	FwThreadWaitTimeAndHoldTimeForFwLock callersAppCommandLine: "MPSSVC", callerFunctionName: "FwDynDataConnectivityUpdate", threadWaitAndLockHoldTimeMs: 56811938, fwLockHoldTimeMs: 56811938	10/13/2020 11:59:23 AM	FwThreadWaitTimeAndHoldTimeForFwLock callersAppCommandLine: "MPSSVC", callerFunctionName: "FwProfileMgrUpdateCachedPolicy", threadWaitAndLockHoldTimeMs: 5250, fwLockHoldTimeMs: 5250										
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Windows Time Service Events Log (Windows 10+)	<div><div><div><div><div></div><div>Windows Time Service Events Log</div><div><div>Clean Now</div></div></div><div><div></div><div>The Windows Time Service maintains date and time synchronization on all clients and servers in the network and can create a log of its events.</div></div></div><div><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>6/18/2020 5:40:23 PM</td><td>Leap second configuration: Enabled: 1 Count: 0 Current Offset from UTC (Seconds): 0 Runtime state consistent with settings: 1 System Tick Count: 204687</td></tr></tbody></table></div></div></div>	Date and Time	Event	6/18/2020 5:40:23 PM	Leap second configuration: Enabled: 1 Count: 0 Current Offset from UTC (Seconds): 0 Runtime state consistent with settings: 1 System Tick Count: 204687																
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Windows Update Events Log	<div><div><div><div><div></div><div>Windows Update Events Logs</div><div><div>Clean Now</div></div></div><div><div></div><div>The Windows Update service enables the detection, download, and installation of updates for Windows and other programs and can create a log of its events.</div></div></div><div><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>10/21/2017 1:05:49 AM</td><td>Windows Update successfully found 0 updates.</td></tr><tr><td>10/21/2017 1:05:58 AM</td><td>Windows Update failed to check for updates with error 0x800704cf.</td></tr><tr><td>10/21/2017 1:06:16 AM</td><td>Windows Update successfully found 0 updates.</td></tr><tr><td>10/21/2017 1:07:19 AM</td><td>Windows Update successfully found 12 updates.</td></tr><tr><td>10/21/2017 1:07:19 AM</td><td>Windows Update successfully found 0 updates.</td></tr><tr><td>10/21/2017 1:07:30 AM</td><td>Windows Update successfully found 12 updates.</td></tr><tr><td>10/21/2017 1:11:29 AM</td><td>Windows Update successfully found 0 updates.</td></tr><tr><td>10/21/2017 1:12:48 AM</td><td>Windows Update successfully found 15 updates.</td></tr><tr><td>10/21/2017 1:12:48 AM</td><td>An update was downloaded.</td></tr></tbody></table></div></div></div>	Date and Time	Event	10/21/2017 1:05:49 AM	Windows Update successfully found 0 updates.	10/21/2017 1:05:58 AM	Windows Update failed to check for updates with error 0x800704cf.	10/21/2017 1:06:16 AM	Windows Update successfully found 0 updates.	10/21/2017 1:07:19 AM	Windows Update successfully found 12 updates.	10/21/2017 1:07:19 AM	Windows Update successfully found 0 updates.	10/21/2017 1:07:30 AM	Windows Update successfully found 12 updates.	10/21/2017 1:11:29 AM	Windows Update successfully found 0 updates.	10/21/2017 1:12:48 AM	Windows Update successfully found 15 updates.	10/21/2017 1:12:48 AM	An update was downloaded.
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WinINet Events Log	<div><div><div><div><div></div><div>WinINet Events Log</div><div><div>Clean Now</div></div></div><div><div></div><div>The WinINet is an HTTP client platform for interactive desktop applications. It can create a log of its events</div></div></div><div><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>6/22/2020 4:28:26 PM</td><td>AutoDetect: true</td></tr></tbody></table></div></div></div>	Date and Time	Event	6/22/2020 4:28:26 PM	AutoDetect: true																
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Winlogon Events Log	<div><div><div><div><div></div><div>Winlogon Events Log</div><div><div>Clean Now</div></div></div><div><div></div><div>Winlogon is a component of the system that performs some operations when a user signs in to the system and can create a log of its events.</div></div></div><div><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>10/27/2019 10:28:48 AM</td><td>The winlogon notification subscriber &lt;TrustedInstaller&gt; began handling the notification event (0).</td></tr><tr><td>10/27/2019 10:28:50 AM</td><td>The winlogon notification subscriber &lt;TrustedInstaller&gt; finished handling the notification event (0).</td></tr><tr><td>10/27/2019 10:28:50 AM</td><td>The winlogon notification subscriber &lt;TrustedInstaller&gt; began handling the notification event (0).</td></tr><tr><td>10/27/2019 10:28:54 AM</td><td>The winlogon notification subscriber &lt;TrustedInstaller&gt; finished handling the notification event (0).</td></tr><tr><td>10/27/2019 10:28:54 AM</td><td>The winlogon notification subscriber &lt;TrustedInstaller&gt; began handling the notification event (0).</td></tr></tbody></table></div></div></div>	Date and Time	Event	10/27/2019 10:28:48 AM	The winlogon notification subscriber <TrustedInstaller> began handling the notification event (0).	10/27/2019 10:28:50 AM	The winlogon notification subscriber <TrustedInstaller> finished handling the notification event (0).	10/27/2019 10:28:50 AM	The winlogon notification subscriber <TrustedInstaller> began handling the notification event (0).	10/27/2019 10:28:54 AM	The winlogon notification subscriber <TrustedInstaller> finished handling the notification event (0).	10/27/2019 10:28:54 AM	The winlogon notification subscriber <TrustedInstaller> began handling the notification event (0).								
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WLAN AutoConfig Service Events Log	<div><div><div><div><div></div><div>WLAN AutoConfig Service Events Log</div><div><div>Clean Now</div></div></div><div><div></div><div>The WLAN AutoConfig service required to configure, discover, connect to, and disconnect from a wireless local area network (WLAN) can create a log of its events.</div></div></div><div><table><thead><tr><th>Date and Time</th><th>Network Adapter</th><th>Event</th><th>Network Name</th></tr></thead><tbody></tbody></table></div></div></div>	Date and Time	Network Adapter	Event	Network Name																
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WMI Events Log	<div><div><div><div><div></div><div>Windows Management Instrumentation Service Events Log</div><div><div>Clean Now</div></div></div><div><div></div><div>The Windows Management Instrumentation (WMI) service provides a common interface and object model to access management information about operating system, devices, applications and services and can create a log of its events.</div></div></div><div><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead><tbody><tr><td>9/10/2018 9:24:28 PM</td><td>Id = {00000000-0000-0000-0000-000000000000}; ClientMachine = WINDOWS10; User MaxClockSpeed FROM Win32_Processor; ResultCode = 0x80041032; PossibleCause :</td></tr><tr><td>9/10/2018 9:24:49 PM</td><td>Id = {00000000-0000-0000-0000-000000000000}; ClientMachine = WINDOWS10; User MaxClockSpeed FROM Win32_Processor; ResultCode = 0x80041032; PossibleCause :</td></tr></tbody></table></div></div></div>	Date and Time	Event	9/10/2018 9:24:28 PM	Id = {00000000-0000-0000-0000-000000000000}; ClientMachine = WINDOWS10; User MaxClockSpeed FROM Win32_Processor; ResultCode = 0x80041032; PossibleCause :	9/10/2018 9:24:49 PM	Id = {00000000-0000-0000-0000-000000000000}; ClientMachine = WINDOWS10; User MaxClockSpeed FROM Win32_Processor; ResultCode = 0x80041032; PossibleCause :														
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<h2>WNS Events Log</h2>	<div data-bbox="664 241 1148 403"> <div>  <div> <div>Windows Push Notification Service</div> <div>Events Log</div> </div> <div>  </div> </div> <p>The Windows Push Notification Service (WNS) allows to send push data ("toast" and "tile" updates) to Universal Windows Platform applications and can create a log of its events.</p> <table border="1"> <thead> <tr> <th>Date and Time</th> <th>Event</th> </tr> </thead> <tbody> <tr> <td>11/9/2018 5:54:20 PM</td> <td>WNP Transport Layer Disconnect call initiated for the Test Connection.</td> </tr> <tr> <td>11/9/2018 5:54:20 PM</td> <td>WNP Transport Layer sent command for the Test Connection with Verbi: OUT, Triid: t43f6f6746578743a2033373535653161646266333333937340a0a00da</td> </tr> </tbody> </table> </div>	Date and Time	Event	11/9/2018 5:54:20 PM	WNP Transport Layer Disconnect call initiated for the Test Connection.	11/9/2018 5:54:20 PM	WNP Transport Layer sent command for the Test Connection with Verbi: OUT, Triid: t43f6f6746578743a2033373535653161646266333333937340a0a00da
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<h2>Work Folders Events Log</h2>	<div data-bbox="664 415 1148 533"> <div>  <div> <div>Work Folders Events Log</div> </div> <div>  </div> </div> <p>With Work Folders users can store and access work files on personal computers and devices, often referred to as bring-your-own device (BYOD), in addition to corporate PCs.</p> <table border="1"> <thead> <tr> <th>Date and Time</th> <th>Event</th> </tr> </thead> <tbody> </tbody> </table> </div>	Date and Time	Event				
Date and Time	Event						
<h2>Work Folders Management Log</h2>	<div data-bbox="664 546 1148 663"> <div>  <div> <div>Work Folders Management Log</div> </div> <div>  </div> </div> <p>With Work Folders users can store and access work files on personal computers and devices, often referred to as bring-your-own device (BYOD), in addition to corporate PCs.</p> <table border="1"> <thead> <tr> <th>Date and Time</th> <th>Event</th> </tr> </thead> <tbody> </tbody> </table> </div>	Date and Time	Event				
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<h2>WPD MTP Events Log</h2>	<div data-bbox="664 674 1148 783"> <div>  <div> <div>WPD MTP Driver Events Log</div> </div> <div>  </div> </div> <p>The Media Transfer Protocol (MTP) is used by Windows Portable Devices (WPD) to enable computers to communicate with attached media and storage devices.</p> <table border="1"> <thead> <tr> <th>Date and Time</th> <th>Event</th> </tr> </thead> <tbody> </tbody> </table> </div>	Date and Time	Event				
Date and Time	Event						

## Storing Traces: More Information...

This part allows you to inspect and clean various traces (mostly insignificant) left by some system applications and services, some already removed from your system. Most of these traces are stored in the Registry.

Stored Application Compatibility Settings

Stored Application Compatibility Settings

Clean Now

Your system can store various compatibility settings of applications already removed from the system.

Application Path | Compatibility Settings

Stored Browser Plugins Information

Stored Browser Plugins Information

Clean Now

The system can keep some information about web browser plugins already removed from the system.

Name | Description | Company | Version | Path

Stored System Environment Variables

Stored System Environment Variables

Clean Now

Your system can keep the Environment Variables created by applications already removed from the system.

Name | Path

Stored Locations of Shared Modules

Stored Locations of Shared Modules

Clean Now

Some applications can use modules (separate files) shared with other applications.

Path	Usage Count
C:\Windows\Microsoft.NET\Framework\v1.0.3705\diasymreader.dll	12286
C:\Windows\Microsoft.NET\Framework\v1.0.3705\diasymreader.dll	12286
C:\Windows\Microsoft.NET\Framework\v1.0.3705\iehost.dll	12286
C:\Windows\Microsoft.NET\Framework\v1.0.3705\iehost.dll	12286

Stored Locations of System Type Libraries

Stored Locations of System Type Libraries

Clean Now

Type Libraries contain an information about COM (Component Object Model) objects and are used by various applications for retrieval of this information. Your system can keep locations of the Type Libraries contained in applications already removed from the system.

Name	Path
ForceInterfaceCOM 1.0 Type Library	C:\Program Files (x86)\HMAI Pro VPN\bin\FORCEInterfaceCOM.dll

Stored Network Information

Stored Network Information

Clean Now

Your system can keep some information about networks this device was connected to.

Network Name	Creation Time	Last Connection Time	Router
Network	9/22/2014 7:37:20 PM	4/26/2017 12:00:59 AM	<none>
Network 2	8/19/2015 2:12:42 PM	9/28/2015 2:00:39 PM	<none>
Network 3	5/15/2017 8:07:48 PM	4/20/2020 11:57:12 AM	<none>

Stored Scheduled Tasks

Stored Scheduled Tasks

Clean Now

Your system can store some information about tasks scheduled by applications already removed from the system.

Task Name	Creator	Priority	Scheduled on	Next Run Time	Last Run Time	Status	Last Result
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Stored Services Information

Stored Services Information

Clean Now

Your system can keep some information about services of removed applications.

Name

Path

Description

Stored Legacy Services Information

Clean Now

Your system can keep some information about legacy services already removed from the system.

Name

Settings

Stored USB Storage Information

Clean Now

The system can store some information about data storage devices that were connected to this PC via the USB interface.

ID

Name

001CC0EC348BB82105E2000F

Kingston DT 101 G2 USB Device

130308850190000000285

UFD 2.0 Silicon-Power4G USB Device

130308850260000000449

UFD 2.0 Silicon-Power4G USB Device

20131218013D

ST500DM0 02-1BD142 USB Device

20131218013D

HGST HTS 545050A7E680 USB Device

2B250A751674

HGST HTS 545050A7E680 USB Device

2CCA54405A8D3A89

C-ONE 01GB i-Disk USB Device

4B494E4753544F4E4B79DC869

Kingston DataTraveler 2.0 USB Device

5B8717000015

Kingston DataTraveler 400 USB Device

900073C4003E1471

USB DISK 2.0 USB Device

AA010304140313451478

SanDisk Extreme USB Device

AA010304140419441168

SanDisk Extreme USB Device

AA010304142215580891

SanDisk Extreme USB Device

AH00000000025526

Corsair Flash Voyager USB Device

cb4174c4a5e599

JetFlash TS8GJFV10 USB Device

TDB1131A0336\_LUN00

USB 3.0 Drobo S - Gen 2 USB Device

Stored Wireless Networks Profiles

Clean Now

Your system can keep some information about wireless networks this computer was connected to. Select items (profiles) you want to remove.

Network Name

Connection Type









Connection Mode

Authentication

Data Encryption

### Associativity Traces: More Information...

This part allows you to inspect and clean various traces connected with associativity of file types, protocols, etc., with already removed applications.

Stored AutoPlay Handlers Paths	<div><div></div><div>Stored AutoPlay Handlers Paths</div><div></div></div> <p>Some applications can be assigned to perform some action automatically when Windows detects media files (music, pictures, video, etc) on a device with removable storage, such as a digital camera or a CD-ROM. Your system can keep some information about these applications (handlers) when they are already removed from the system.</p> <table><tr><th>Application</th><th>Action</th><th>Path</th></tr></table>	Application	Action	Path																									
Application	Action	Path																											
Stored COM Class Identifiers	<div><div></div><div>Stored System COM Class Identifiers</div><div></div></div> <p>Your system can keep the Class Identifiers of COM (Component Object Model) objects contained in applications already removed from the system.</p> <table><tr><th>Name</th><th>Path</th><th>Program ID</th><th>Application</th></tr><tr><td>Chinese CHT Advanced Data Source</td><td></td><td></td><td></td></tr><tr><td>Disk Footprint Diagnostics Task</td><td></td><td></td><td></td></tr><tr><td>Lock Screen Camera Control</td><td></td><td></td><td></td></tr><tr><td>Microsoft Windows Embedded App Launcher's ...</td><td></td><td></td><td></td></tr><tr><td>PSFactoryBuffer</td><td></td><td></td><td></td></tr><tr><td>PSFactoryBuffer</td><td></td><td></td><td></td></tr></table>	Name	Path	Program ID	Application	Chinese CHT Advanced Data Source				Disk Footprint Diagnostics Task				Lock Screen Camera Control				Microsoft Windows Embedded App Launcher's ...				PSFactoryBuffer				PSFactoryBuffer			
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PSFactoryBuffer																													
PSFactoryBuffer																													
Stored COM Interface Identifiers	<div><div></div><div>Stored COM Interface Identifiers</div><div></div></div> <p>Your system can keep the Interface Identifiers of COM (Component Object Model) objects contained in applications already removed from the system.</p> <table><tr><th>Interface Name</th><th>Last Modification Date and Time</th></tr><tr><td>ILocationOverride</td><td>9/29/2017 4:47:21 PM</td></tr><tr><td>IVisitInformation</td><td>9/29/2017 4:47:20 PM</td></tr></table>	Interface Name	Last Modification Date and Time	ILocationOverride	9/29/2017 4:47:21 PM	IVisitInformation	9/29/2017 4:47:20 PM																						
Interface Name	Last Modification Date and Time																												
ILocationOverride	9/29/2017 4:47:21 PM																												
IVisitInformation	9/29/2017 4:47:20 PM																												
Stored e-Mail Programs Information	<div><div></div><div>Stored e-Mail Programs Information</div><div></div></div> <p>Your system can store some information about e-mail applications already removed from the system.</p> <table><tr><th>Application</th><th>Path</th></tr><tr><td>Windows Mail</td><td></td></tr></table>	Application	Path	Windows Mail																									
Application	Path																												
Windows Mail																													

Stored Event Logging Applications Information	<div><div><div><div><div></div><div>Stored Event Logging Applications Information</div><div><div>Clean Now</div></div></div><div><div>Some applications can log various events in Application log of your system and some information about such applications can be kept in the system when they are already removed from the system.</div><div><div>Application</div><div>Path</div><div>Types of Logged Events</div></div></div></div></div></div>																																			
Stored System File Types	<div><div><div><div><div></div><div>Stored System File Types</div><div><div>Clean Now</div></div></div><div><div>Your system can keep the filename extensions recognized by applications already removed from the system. Pay attention! Only extensions with "Yes" in the "Will be Deleted" column will be unregistered (removed). For others only links to applications already removed from the system will be deleted.</div><div><table><tr><th>File Name Extension</th><th>Will be Deleted</th><th>File Type</th><th>Program ID</th><th>Application</th></tr><tr><td>.epub</td><td>Yes</td><td></td><td></td><td></td></tr><tr><td>.if</td><td>Yes</td><td></td><td></td><td></td></tr><tr><td>.man</td><td>Yes</td><td></td><td></td><td></td></tr><tr><td>.mcepub</td><td>Yes</td><td></td><td></td><td></td></tr><tr><td>.oex</td><td>No</td><td>OperaStable.Extension</td><td></td><td></td></tr><tr><td>.vor</td><td>Yes</td><td></td><td></td><td></td></tr></table></div></div></div></div></div>	File Name Extension	Will be Deleted	File Type	Program ID	Application	.epub	Yes				.if	Yes				.man	Yes				.mcepub	Yes				.oex	No	OperaStable.Extension			.vor	Yes			
File Name Extension	Will be Deleted	File Type	Program ID	Application																																
.epub	Yes																																			
.if	Yes																																			
.man	Yes																																			
.mcepub	Yes																																			
.oex	No	OperaStable.Extension																																		
.vor	Yes																																			
Stored Firewall Rules	<div><div><div><div><div></div><div>Stored Firewall Rules</div><div><div>Clean Now</div></div></div><div><div>Your system can store the Firewall rules for applications already removed from the system.</div><div><table><tr><th>Name of Rule</th><th>Application Name</th><th>Description</th><th>Application Path</th><th>Action</th><th>Is Active</th><th>Direction</th><th>Profile</th><th>Protocol</th><th>Version</th></tr></table></div></div></div></div></div>	Name of Rule	Application Name	Description	Application Path	Action	Is Active	Direction	Profile	Protocol	Version																									
Name of Rule	Application Name	Description	Application Path	Action	Is Active	Direction	Profile	Protocol	Version																											
Stored Info of Connection IA Apps	<div><div><div><div><div></div><div>Stored Info of Connection IA Apps</div><div><div>Clean Now</div></div></div><div><div>Your system can store some information about Image Acquisition applications - the programs that appear when you connect an image-capturing device, like a scanner, digital photo or movie camera, etc.</div><div><table><tr><th>Name</th><th>Path</th><th>Description</th></tr></table></div></div></div></div></div>	Name	Path	Description																																
Name	Path	Description																																		
Stored Info of Proxy IA Apps	<div><div><div><div><div></div><div>Stored Info of Proxy IA Apps</div><div><div>Clean Now</div></div></div><div><div>Your system can store some information about Image Acquisition applications - programs that operate with image-capturing devices, like a scanner, digital photo or movie camera, etc - assigned to be launched on some event in these devices - connecting, disconnecting, pressing Scan button, etc - if no other programs are assigned for this particular event.</div><div><table><tr><th>Path</th><th>Description</th></tr></table></div></div></div></div></div>	Path	Description																																	
Path	Description																																			
Stored Info of Scan Button IA Apps	<div><div><div><div><div></div><div>Stored Info of Scan Button IA Apps</div><div><div>Clean Now</div></div></div><div><div>Your system can store some information about Image Acquisition applications - programs that appear when you press the Scan button of a scanner.</div><div><table><tr><th>Name</th><th>Path</th><th>Description</th></tr></table></div></div></div></div></div>	Name	Path	Description																																
Name	Path	Description																																		
Stored Media Players Information	<div><div><div><div><div></div><div>Stored Media Players Information</div><div><div>Clean Now</div></div></div><div><div>The system can store some information about Media Playres already removed from the system.</div><div><table><tr><th>Application</th><th>Path</th></tr></table></div></div></div></div></div>	Application	Path																																	
Application	Path																																			
Stored MIME Types	<div><div><div><div><div></div><div>Stored System MIME Types</div><div><div>Clean Now</div></div></div><div><div>Your system can keep the MIME (Multipurpose Internet Mail Extensions) types registered by applications already removed from the system.</div><div><table><tr><th>MIME Type</th><th>File Name Extension</th></tr><tr><td>application/vnd.stardivision.writer</td><td>application/vnd.stardivision.writer</td></tr><tr><td>audio/webm</td><td>audio/webm</td></tr></table></div></div></div></div></div>	MIME Type	File Name Extension	application/vnd.stardivision.writer	application/vnd.stardivision.writer	audio/webm	audio/webm																													
MIME Type	File Name Extension																																			
application/vnd.stardivision.writer	application/vnd.stardivision.writer																																			
audio/webm	audio/webm																																			
Stored News Readers Information	<div><div><div><div><div></div><div>Stored News Readers Information</div><div><div>Clean Now</div></div></div><div><div>Your system can store some information about News Readers already removed from the system.</div><div><table><tr><th>Application</th><th>Path</th></tr></table></div></div></div></div></div>	Application	Path																																	
Application	Path																																			
Stored Perceived Types Applications	<div><div><div><div><div></div><div>Stored Perceived Types Applications</div><div><div>Clean Now</div></div></div><div><div>Perceived Types are similar to file types except they refer to broad categories of file format types, rather than specific file types. Your system can keep names of applications - already removed from the system - which some perceived types were associated with.</div><div><table><tr><th>Perceived Type</th><th>Application</th></tr></table></div></div></div></div></div>	Perceived Type	Application																																	
Perceived Type	Application																																			



Stored Installer Source Paths	<div><div><div><div><div><div></div><div>Stored Installer Source Paths</div><div>Clean Now</div></div></div><div><div>The system can store temporary paths to folders from which applications or system components were updated.</div><div><table><tr><th>Product Name</th><th>Package Name</th><th>Source Paths</th></tr><tr><td>Google Update Helper</td><td>GoogleUpdateHelper.msi</td><td>C:\Program Files (x86)\Google\Update\1.3.25.11 C:\Program Files (x86)\Google\Update\1.3.24.15 C:\Program Files (x86)\Google\Update\1.3.25.5</td></tr><tr><td>Google Update Helper</td><td>GoogleUpdateHelper.msi</td><td>C:\Program Files (x86)\Google\Update\1.3.26.9 C:\Program Files (x86)\Google\Update\1.3.27.5 C:\Program Files (x86)\Google\Update\1.3.28.1 C:\Program Files (x86)\Google\Update\1.3.28.13</td></tr></table></div></div></div></div></div>	Product Name	Package Name	Source Paths	Google Update Helper	GoogleUpdateHelper.msi	C:\Program Files (x86)\Google\Update\1.3.25.11 C:\Program Files (x86)\Google\Update\1.3.24.15 C:\Program Files (x86)\Google\Update\1.3.25.5	Google Update Helper	GoogleUpdateHelper.msi	C:\Program Files (x86)\Google\Update\1.3.26.9 C:\Program Files (x86)\Google\Update\1.3.27.5 C:\Program Files (x86)\Google\Update\1.3.28.1 C:\Program Files (x86)\Google\Update\1.3.28.13			
Product Name	Package Name	Source Paths											
Google Update Helper	GoogleUpdateHelper.msi	C:\Program Files (x86)\Google\Update\1.3.25.11 C:\Program Files (x86)\Google\Update\1.3.24.15 C:\Program Files (x86)\Google\Update\1.3.25.5											
Google Update Helper	GoogleUpdateHelper.msi	C:\Program Files (x86)\Google\Update\1.3.26.9 C:\Program Files (x86)\Google\Update\1.3.27.5 C:\Program Files (x86)\Google\Update\1.3.28.1 C:\Program Files (x86)\Google\Update\1.3.28.13											
Stored Programs and Features Paths	<div><div><div><div><div><div></div><div>Stored Programs and Features Paths</div><div>Clean Now</div></div></div><div><div>Programs and Features can keep paths to applications already removed from the system.</div><div><table><tr><th>Program Name</th><th>Path</th><th>Date and Time of Last Use</th></tr></table></div></div></div></div></div>	Program Name	Path	Date and Time of Last Use									
Program Name	Path	Date and Time of Last Use											
Stored Programs and Features Sources	<div><div><div><div><div><div></div><div>Stored Programs and Features Sources</div><div>Clean Now</div></div></div><div><div>The system can store paths to folders from which applications or system components were installed.</div><div><table><tr><th>Program Name</th><th>Date of Installation</th><th>Source</th></tr><tr><td>Google Update Helper</td><td>20141117</td><td>C:\Program Files (x86)\Google\Update\1.3.25.11</td></tr><tr><td>Microsoft DVD App Installation for Microsoft.WindowsDVD...</td><td>20151113</td><td>C:\WINDOWS\SoftwareDistribution\Download\ee...</td></tr><tr><td>Microsoft HEVC Media Extension Installation for Microsoft...</td><td>20171021</td><td>C:\WINDOWS\SoftwareDistribution\Download\21f...</td></tr></table></div></div></div></div></div>	Program Name	Date of Installation	Source	Google Update Helper	20141117	C:\Program Files (x86)\Google\Update\1.3.25.11	Microsoft DVD App Installation for Microsoft.WindowsDVD...	20151113	C:\WINDOWS\SoftwareDistribution\Download\ee...	Microsoft HEVC Media Extension Installation for Microsoft...	20171021	C:\WINDOWS\SoftwareDistribution\Download\21f...
Program Name	Date of Installation	Source											
Google Update Helper	20141117	C:\Program Files (x86)\Google\Update\1.3.25.11											
Microsoft DVD App Installation for Microsoft.WindowsDVD...	20151113	C:\WINDOWS\SoftwareDistribution\Download\ee...											
Microsoft HEVC Media Extension Installation for Microsoft...	20171021	C:\WINDOWS\SoftwareDistribution\Download\21f...											
Stored Store Install Information	<div><div><div><div><div><div></div><div>Stored Store Install Information</div><div>Clean Now</div></div></div><div><div>The system can store some information about installation and updates of the UWP (Universal Windows Platform) programs and games already removed from the system.</div><div><table><tr><th>Package Name</th><th>Product Name</th><th>Product ID</th><th>Last AutoUpdate</th><th>Last Requested Update</th></tr></table></div></div></div></div></div>	Package Name	Product Name	Product ID	Last AutoUpdate	Last Requested Update							
Package Name	Product Name	Product ID	Last AutoUpdate	Last Requested Update									

### Setup and Update Traces: More Information...

This part allows you to inspect and clean various data left by system setups and updates.

Microsoft Update Health Tools Log  
(Windows 10+)

Microsoft Update Health Tools Logs

Clean Now

Microsoft Update Health Tools improve reliability of Windows Update Service and can create logs of their events that can assist in troubleshooting.

☐ UpdateHealthTools.001.etl

☐ UpdateHealthTools.002.etl

Provisioning Temporary Folders  
(Windows 10+)

Provisioning Temporary Folders

Clean Now

Using Windows provisioning, it's possible easily specify desired configuration and settings required to enroll the devices into management and then apply that configuration to target devices in a matter of minutes.

File or Folder Name	Last Modification Time
tw-1040-1b24-a9a78.tmp	9/11/2020 2:46:55 PM
tw-1040-1b24-a9a7a.tmp	9/11/2020 2:46:55 PM
tw-1040-1b24-a9a8b.tmp	9/11/2020 2:46:55 PM
tw-1040-1b24-a9a8d.tmp	9/11/2020 2:46:55 PM
tw-1040-1b24-a9a8f.tmp	9/11/2020 2:46:55 PM

Setup Logs

Clean Now

Log files created when your system has installed its components.

System Setup Log Files

setupact.log

setupact.log

setupact.log

setupapi.dev.log

System Windows Update Logs

System Windows Update Log

Clean Now

Log file of updates the system has downloaded and installed (automatically).

Date and Time	PID	TID	Component	Text
---------------	-----	-----	-----------	------

Windows Update Medic Service Event Logs

Clean Now

The Windows Update Medic Service enables remediation and protection of Windows Update components and can create logs of its events.

waasmedic.20190710\_194612\_007.etl

waasmedic.20190710\_195058\_091.etl

waasmedic.20190710\_195641\_165.etl

waasmedic.20190710\_201936\_418.etl

Windows Update Trace Logs

Clean Now

For error detection and diagnostics, the Windows Update service can create trace files.

WindowsUpdate.20190822.065056.724.10.etl












WindowsUpdate.20190822.065056.724.11.etl

WindowsUpdate.20190822.065056.724.12.etl

WindowsUpdate.20190822.065056.724.13.etl





Windows Defender Quick Scan Results	<div><div><div><div><div></div><div>Windows Defender Quick Scan Results</div><div><div>Clean Now</div></div></div></div><div>The Windows Defender can store some additional details about each quick scan.</div><div><div><div>Scan Id</div><div>Date and Time</div></div><div><div>(22D7282B-390C-445C-9F1B-3B1CC9CF531B)</div><div>7/4/2018 10:17:58 PM</div></div><div><div>(5AB37535-0F57-4EE3-BD03-7CC9D6D93A36)</div><div>7/17/2018 10:42:15 PM</div></div><div><div>(CBA08765-7792-41D3-8BE7-1755AE260445)</div><div>7/5/2018 10:41:21 PM</div></div></div></div></div>
Windows Defender WPP Files	<div><div><div><div><div></div><div>Windows Defender WPP Files</div><div><div>Clean Now</div></div></div></div><div>The Windows Defender can use the Windows software trace preprocessor (WPP) to trace its operations that assists in troubleshooting.</div><div><div>MpWppTracing-20180717-220033-00000003-ffffff.bin</div><div>MpWppTracing-20180718-183117-00000003-ffffff.bin</div></div></div></div>
Common Windows Search Databases	<div><div><div><div><div></div><div>Common Windows Search Cache Files</div><div><div>Clean Now</div></div></div></div><div>Indexing can cache files with detailed information about files used by Windows to perform very fast searches of the most common files on your computer.</div><div><div>File Name</div><div>Date and Time</div></div></div></div>
Windows Search Indexing Files	<div><div><div><div><div></div><div>Windows Search Indexing Files</div><div><div>Clean Now</div></div></div></div><div>Indexing stores detailed information about files used by Windows to perform very fast searches of the most common files on your computer.</div><div><div>File Name</div><div>Last Modification Time</div></div></div></div>
Windows Search Stream Log Files	<div><div><div><div><div></div><div>Windows Search Stream Log Files</div><div><div>Clean Now</div></div></div></div><div>Indexing stores detailed information about files used by Windows to perform very fast searches of the most common files on your computer.</div><div><div><div>File Name</div><div>Last Modification Time</div></div><div><div>SystemIndex.1.Crawl</div><div>10/23/2017 4:40:29 PM</div></div><div><div>SystemIndex.10.Crawl</div><div>11/20/2017 10:05:29 PM</div></div><div><div>SystemIndex.11.Crawl</div><div>11/28/2017 7:51:35 PM</div></div></div></div></div>
Indexing Traces	<div><div><div><div><div></div><div>Indexing Traces</div><div><div>Clean Now</div></div></div></div><div>The indexing stores detailed information about files which are used by Windows to perform very fast searches of the most common files on this computer.</div><div><div><div><input checked="" type="checkbox"/> Databases</div><div><input checked="" type="checkbox"/> Database Log Files</div><div><input checked="" type="checkbox"/> Document Identifiers Map</div><div><input checked="" type="checkbox"/> Gathering Log Files</div></div></div></div></div>
CSP Diagnostic Event Logs (Windows 10 and later)	<div><div><div><div><div></div><div>CSP Diagnostic Event Logs</div><div><div>Clean Now</div></div></div></div><div>The Configuration Service Provider (CSP) is an interface to read, set, modify, or delete configuration settings on the devices. It can create event logs of its diagnostics.</div><div><div><div><input type="checkbox"/> DiagnosticLogCSP_Collector_DeviceProvisioning_2021_12_15_13_22_13.etl</div><div><input type="checkbox"/> DiagnosticLogCSP_Collector_DeviceProvisioning_2021_12_15_16_23_56.etl</div><div><input type="checkbox"/> DiagnosticLogCSP_Collector_DeviceProvisioning_2021_12_16_11_58_7.etl</div><div><input type="checkbox"/> DiagnosticLogCSP_Collector_DeviceProvisioning_2021_12_17_10_32_58.etl</div></div></div></div></div>
Digital Rights Management Traces	<div><div><div><div><div></div><div>Digital Rights Management Traces</div><div><div>Clean Now</div></div></div></div><div>Digital Rights Management (DRM) provides the protection of proprietary data from unauthorized copying and other illegal uses.</div><div><div><div><input checked="" type="checkbox"/> Logs</div><div><input checked="" type="checkbox"/> Cache Files</div></div></div></div></div>
Event Viewer History	<div><div><div><div><div></div><div>Event Viewer History</div><div><div>Clean Now</div></div></div></div><div>The system can keep the history and some settings of the viewed Windows event logs.</div><div><div><div>Log Path</div><div>Log Name</div></div><div><div>Windows Logs</div><div>Application</div></div></div></div></div>
Map Data	<div><div><div><div><div></div><div>Map Data</div><div><div>Clean Now</div></div></div></div><div>The system can store some data of the maps used by navigation applications.</div><div><div><div><input checked="" type="checkbox"/> Cached Maps</div><div><input checked="" type="checkbox"/> Logs</div></div></div></div></div>
Power Efficiency Diagnostics Reports	<div><div><div><div><div></div><div>Power Efficiency Diagnostics Reports</div><div><div>Clean Now</div></div></div></div><div>The Power Efficiency Diagnostics Tool helps users to deal with common energy efficiency and battery life problems.</div><div><div><div>energy-report-2018-09-07.xml</div><div>energy-report-2018-09-10.xml</div><div>energy-report-2018-09-21.xml</div><div>energy-report-2018-09-25.xml</div><div>energy-report-2018-10-02.xml</div><div>energy-report-2018-10-03.xml</div><div>energy-report-2018-10-05.xml</div><div>energy-report-2018-10-10.xml</div><div>energy-report-2018-10-30.xml</div><div>energy-report-2018-11-01.xml</div><div>energy-report-2018-11-07.xml</div><div>energy-report-2018-11-08.xml</div></div></div></div></div>

Reliability Monitoring Traces	<div><div><div><div><div></div><div>Reliability Monitoring Traces</div><div><div>Clean Now</div></div></div></div><div><p>Reliability Monitor is an advanced tool that measures hardware and software problems and other changes to the system. The system can store various traces of the Reliability Monitor activity.</p><div><div><div><input checked="" type="checkbox"/> Software Quality Monitoring Files</div><div><input checked="" type="checkbox"/> Published Data Logs</div><div><input checked="" type="checkbox"/> State Data Logs</div></div></div></div></div></div>
RUXIM Events Log	<div><div><div><div><div></div><div>RUXIM Events Logs</div><div><div>Clean Now</div></div></div></div><div><p>The RUXIM (Reusable UX (User eXperience) Interaction Manager) is a component used by Windows Update that ensures that all required updates are properly scheduled and delivered.</p><div><div><div>File Name</div><div>Last Modification Time</div></div><div><div><input type="checkbox"/> RUXIMLog.001.etl</div><div>1/11/2024 11:11:50 AM</div></div></div></div></div></div>
Software Quality Monitoring Traces	<div><div><div><div><div></div><div>Software Quality Monitoring Traces</div><div><div>Clean Now</div></div></div></div><div><p>The Customer Experience Improvement Program (CEIP) executes Software Quality Monitoring (SQM) in that to collect information about how customers use Microsoft programs and about some of the problems they encounter. Microsoft uses this information to improve the products and features the customers use most often and to help solve problems.</p><div><div><div><input checked="" type="checkbox"/> Stored Binary Manifests</div><div><input checked="" type="checkbox"/> Sessions SQM Files</div><div><input checked="" type="checkbox"/> Upload SQM Files</div></div></div></div></div></div>
Update Orchestrator Events Logs	<div><div><div><div><div></div><div>Update Orchestrator Events Logs</div><div><div>Clean Now</div></div></div></div><div><p>The Update Orchestrator is used by Windows Update and can create logs of its events that assist in troubleshooting.</p><div><div><div>File Name</div><div>Last Modification Time</div></div><div><div><input type="checkbox"/> NotificationUx.001.etl</div><div>5/31/2018 7:17:13 PM</div></div><div><div><input type="checkbox"/> NotificationUx.002.etl</div><div>5/31/2018 7:17:11 PM</div></div><div><div><input type="checkbox"/> NotificationUx.003.etl</div><div>5/31/2018 6:42:30 PM</div></div><div><div><input type="checkbox"/> NotificationUx.004.etl</div><div>5/31/2018 6:42:29 PM</div></div><div><div><input type="checkbox"/> NotificationUx.005.etl</div><div>5/31/2018 6:42:29 PM</div></div></div></div></div></div>
WFP Diagnostics Logs	<div><div><div><div><div></div><div>WFP Diagnostics Logs</div><div><div>Clean Now</div></div></div></div><div><p>The Windows Filtering Platform (WFP) allows software to process and filter network traffic. It can be used by firewalls, intrusion detection systems, antivirus programs, network monitoring tools, and parental controls.</p><div><div><div>File Name</div><div>Last Modification Time</div></div><div><div><input type="checkbox"/> wfpdiag.etl</div><div>3/6/2022 8:56:09 AM</div></div></div></div></div></div>
Windows Security Service Logs	<div><div><div><div><div></div><div>Windows Security Service Logs</div><div><div>Clean Now</div></div></div></div><div><p>The Windows Security Service handles unified device protection and health information, and can create logs of its activity.</p><div></div></div></div></div>
App Repository	<div><div><div><div><div></div><div>App Repository</div><div><div>Clean Now</div></div></div></div><div><p>The system uses the App Repository when downloads and installs various apps from the Store. Red items shown in the tree below can contain important information, they are not selected by default, and can be removed only on this panel and only manually.</p><div><div><div><div><input checked="" type="checkbox"/> Logs</div><div><input checked="" type="checkbox"/> Reserved Logs</div><div><input type="checkbox"/> Checkpoint Files</div><div><input type="checkbox"/> Databases</div><div><input checked="" type="checkbox"/> Stored App Manifests</div></div><div><div><div><input type="checkbox"/> 1527c705-839a-4832-9118-54d48d6a0c89_10.0.15063.447_neutral_neutral_cw5n1h2byewy.xml</div><div><input type="checkbox"/> 1527c705-839a-4832-9118-54d48d6a0c89_10.0.16299.15_neutral_neutral_cw5n1h2byewy.xml</div></div></div></div></div></div></div></div>
Stored Start Menu Items	<div><div><div><div><div></div><div>Stored Start Menu Items</div><div><div>Clean Now</div></div></div></div><div><p>In the All Programs section of the Start Menu your system can store some items (such as shortcuts and folders) linked to applications already removed from the system.</p><div><div><div>Application</div><div>Description</div><div>Location in the Start Menu</div><div>Path</div></div><div><div>Tablet PC</div><div></div><div>All Programs -&gt; Accessories -&gt; Tablet PC</div><div></div></div></div></div></div></div>
Stored Startup Application Info	<div><div><div><div><div></div><div>Stored Startup Applications Info</div><div><div>Clean Now</div></div></div></div><div><p>Your system can store some information about applications launched during logon and already removed from the system.</p><div><div><div>Application</div><div>Description</div><div>Path</div></div></div></div></div></div>

### Services Accounts Traces: More Information...

This part allows you to inspect and clean various traces left by 3 predefined system accounts : Local System, Local Service, and Network Service.

System Registry Traces	<div><div><div><div><div><div></div><div>Registry Traces of Services Accounts</div><div>Clean Now</div></div></div><div>Registry records of items used by System (Recent System Applications, etc).</div><div><div><div><div><div></div><div>Local System's Recent Direct3D Application</div></div></div></div></div></div></div></div>
Local Service's Temporary Files	<div><div><div><div><div><div></div><div>Local Service's Temporary Files</div><div>Clean Now</div></div></div><div>List of temporary files created under "Local Service" account.</div><div><div><div><div><div>File or Folder Name</div><div>Last Modification Time</div></div><div><div><div></div><div>EVTf677.tmp</div><div>5/22/2018 8:26:03 PM</div></div><div><div><div></div><div>MSGF665.tmp</div><div>5/22/2018 8:26:03 PM</div></div><div><div><div></div><div>PUBF676.tmp</div><div>5/22/2018 8:26:03 PM</div></div></div></div></div></div></div></div></div></div></div>
Local System's Temporary Files	<div><div><div><div><div><div></div><div>Local System's Temporary Files</div><div>Clean Now</div></div></div><div>List of temporary files created under "Local System" account.</div><div><div><div><div><div>File or Folder Name</div><div>Last Modification Time</div></div></div></div></div></div></div></div>
Network Service's Temporary Files	<div><div><div><div><div><div></div><div>Network Service's Temporary Files</div><div>Clean Now</div></div></div><div>List of temporary files created under "Network Service" account.</div><div><div><div><div><div>File or Folder Name</div><div>Last Modification Time</div></div><div><div><div></div><div>[SDC3ACAD-90F1-4C62-AB4C-E8FD368813B]</div><div>3/2/2018 9:22:10 PM</div></div><div><div><div></div><div>mpam-a592fab9.exe</div><div>3/2/2018 9:22:09 PM</div></div><div><div><div></div><div>mpam-e95d572b.exe</div><div>6/28/2018 6:27:08 PM</div></div><div><div><div></div><div>mpasdlta.vdm</div><div>3/2/2018 9:22:10 PM</div></div><div><div><div></div><div>mpavdlta.vdm</div><div>3/2/2018 9:22:09 PM</div></div><div><div><div></div><div>MpCmdRun.log</div><div>7/18/2018 10:16:07 PM</div></div><div><div><div></div><div>MPISigStub.exe</div><div>3/2/2018 9:22:09 PM</div></div><div><div><div></div><div>MpSigStub.log</div><div>7/18/2018 10:16:06 PM</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>
LSyss Direct3D Shader Cache	<div><div><div><div><div><div></div><div>Local System's Direct3D Shader Cache</div><div>Clean Now</div></div></div><div>The Direct3D Shader Caching Library of the System can create a cache of its files.</div><div><div><div><div><div>File Name</div><div>Last Modification Time</div></div></div></div></div></div></div></div>
Local Service's Cached Certification Files	<div><div><div><div><div><div></div><div>Local Service's Cached Certificates</div><div>Clean Now</div></div></div><div>Your system may store a cache of certificates (digitally signed statements commonly used for authentication and to secure information on open networks).</div><div><div><div><div><div>Web Address</div></div><div><div><div></div><div>http://ctdl.windowsupdate.com/msdownload/update/v3/static/trusted/en/disallowedcertstl.cab</div></div><div><div></div><div>http://ocsp.digicert.com/MFEwTzBNMEswSTAJBgUrDgMCGGUABTBLOV27RVZ7LBduom%2FnYB455PUewQU5Z1ZMIJHWMys%32</div></div></div></div></div></div></div></div></div>
Local System's Cached Certification Files	<div><div><div><div><div><div></div><div>Local System's Cached Certificates</div><div>Clean Now</div></div></div><div>Your system may store a cache of certificates (digitally signed statements commonly used for authentication and to secure information on open networks).</div><div><div><div><div><div>Web Address</div></div><div><div><div></div><div>http://crl.globalsign.com/gs/gscodesigng2.crl</div></div><div><div></div><div>http://crl.globalsign.net/primobject.crl</div></div><div><div></div><div>http://crl.globalsign.net/Root.crl</div></div><div><div></div><div>http://crl.verisign.com/tss-ca.crl</div></div><div><div></div><div>http://ctdl.windowsupdate.com/msdownload/update/v3/static/trusted/en/authrootstl.cab</div></div><div><div></div><div>http://ctdl.windowsupdate.com/msdownload/update/v3/static/trusted/en/disallowedcertstl.cab</div></div></div></div></div></div></div></div></div>
Network Service's Cached Certification Files	<div><div><div><div><div><div></div><div>Network Service's Cached Certificates</div><div>Clean Now</div></div></div><div>Your system may store a cache of certificates (digitally signed statements commonly used for authentication and to secure information on open networks).</div><div><div><div><div><div>Web Address</div></div><div><div><div></div><div>http://ctdl.windowsupdate.com/msdownload/update/v3/static/trusted/en/disallowedcertstl.cab</div></div><div><div></div><div>http://ocsp.digicert.com/MFEwTzBNMEswSTAJBgUrDgMCGGUABTBLOV27RVZ7LBduom%2FnYB455PUewQU5Z1ZMIJHWMys%32</div></div><div><div></div><div>http://ocsp.digicert.com/MFEwTzBNMEswSTAJBgUrDgMCGGUABTBLOV27RVZ7LBduom%2FnYB455PUewQU5Z1ZMIJHWMys%32</div></div><div><div></div><div>http://ocsp.msocsp.com/MFQwUjBQ2ME4wTDAJBgUrDgMCGGUABBRPC1vZt9qvn7bzY3ldtbhla4mkQQUWif1tycSCK3FD7%2Fhjr</div></div></div></div></div></div></div></div></div>
Local System Cached File Extensions	<div><div><div><div><div><div></div><div>Local System's Cached File Extensions</div><div>Clean Now</div></div></div><div>For performance improvement, your system can create a cache of the filename extensions representing the file types registered by applications maybe already removed from the system.</div><div><div><div><div><div>File Name Extension</div><div>Program ID</div></div><div><div><div></div><div>.zip</div><div></div></div><div><div><div></div><div>.rtf</div><div></div></div><div><div><div></div><div>.pdf</div><div></div></div><div><div><div></div><div>.mts</div><div></div></div><div><div><div></div><div>.html</div><div></div></div><div><div><div></div><div>.cab</div><div></div></div><div><div><div></div><div>.bmp</div><div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>















Local System Cached Shell Extensions	<div><div><div><div><div><div></div><div>Local System's Cached Shell Extensions</div><div><div>Clean Now</div></div></div></div><div><div><div>Your system can store some information about Shell Extensions (like added shortcut menu items, etc.) of various applications that are installed in the system. Attention! When cleaning this cache, you do not remove the extensions, only their cached copies.</div></div></div></div><div><table><thead><tr><th>Name</th><th>Type</th><th>Date and Time</th></tr></thead><tbody><tr><td>CLSID_AutoListPropertyStore</td><td>Unknown</td><td>10/21/2017 1:12:26 AM</td></tr><tr><td>Computers and Devices</td><td>Shell Folder</td><td>5/17/2018 7:49:15 PM</td></tr><tr><td>Internet Shortcut</td><td>Unknown</td><td>10/21/2017 1:12:16 AM</td></tr><tr><td>Internet Shortcut</td><td>Unknown</td><td>10/21/2017 1:12:16 AM</td></tr><tr><td>IPropertyStore Handler for Images</td><td>Unknown</td><td>10/21/2017 1:12:15 AM</td></tr><tr><td>MF MPEG Property Handler</td><td>Unknown</td><td>10/21/2017 1:12:21 AM</td></tr><tr><td>Network Status Provider</td><td>Unknown</td><td>10/21/2017 1:06:10 AM</td></tr><tr><td>OLE DocFile Property Handler</td><td>Unknown</td><td>10/21/2017 1:12:17 AM</td></tr><tr><td>Shell extensions for sharing</td><td>Unknown</td><td>10/21/2017 1:00:09 AM</td></tr><tr><td>Shell extensions for sharing</td><td>Unknown</td><td>10/21/2017 1:00:09 AM</td></tr><tr><td>TaskScheduler class</td><td>Unknown</td><td>10/21/2017 1:05:31 AM</td></tr></tbody></table></div></div></div>	Name	Type	Date and Time	CLSID_AutoListPropertyStore	Unknown	10/21/2017 1:12:26 AM	Computers and Devices	Shell Folder	5/17/2018 7:49:15 PM	Internet Shortcut	Unknown	10/21/2017 1:12:16 AM	Internet Shortcut	Unknown	10/21/2017 1:12:16 AM	IPropertyStore Handler for Images	Unknown	10/21/2017 1:12:15 AM	MF MPEG Property Handler	Unknown	10/21/2017 1:12:21 AM	Network Status Provider	Unknown	10/21/2017 1:06:10 AM	OLE DocFile Property Handler	Unknown	10/21/2017 1:12:17 AM	Shell extensions for sharing	Unknown	10/21/2017 1:00:09 AM	Shell extensions for sharing	Unknown	10/21/2017 1:00:09 AM	TaskScheduler class	Unknown	10/21/2017 1:05:31 AM
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Shell extensions for sharing	Unknown	10/21/2017 1:00:09 AM																																			
TaskScheduler class	Unknown	10/21/2017 1:05:31 AM																																			
Cached WPF Fonts	<div><div><div><div><div><div></div><div>Cached Windows Presentation Foundation Fonts</div><div><div>Clean Now</div></div></div></div><div><div><div>The Windows Presentation Foundation (WPF) Font Cache service optimizes performance of WPF applications by caching commonly used font data. Attention! When deleting and wiping this cache, you do not remove the fonts, only their cached copies.</div></div></div></div><div><div><div><div>C:\WINDOWS\FONTS\</div><div>C:\WINDOWS\FONTS\arial.ttf</div><div>C:\WINDOWS\FONTS\arialbd.ttf</div><div>C:\WINDOWS\FONTS\arialbi.ttf</div><div>C:\WINDOWS\FONTS\arialbd.ttf</div></div></div></div></div></div>																																				
Local System's Common Language Runtime Logs	<div><div><div><div><div><div></div><div>Local System's Common Language Runtime Logs</div><div><div>Clean Now</div></div></div></div><div><div><div>The Common Language Runtime (CLR) component of the .NET Framework can create various log files that assist in troubleshooting.</div></div></div></div><div><table><thead><tr><th>File Name</th><th>Log Type</th><th>CLR Version</th></tr></thead><tbody><tr><td>NGenTask.exe.log</td><td>Usage Log</td><td>4.0</td></tr><tr><td>NGenTask.exe.log</td><td>Usage Log</td><td>4.0_32</td></tr><tr><td>PowerShell.exe.log</td><td>Usage Log</td><td>4.0</td></tr><tr><td>taskhostw.exe.log</td><td>Usage Log</td><td>4.0</td></tr><tr><td>tsync.exe.log</td><td>Usage Log</td><td>4.0</td></tr></tbody></table></div></div></div>	File Name	Log Type	CLR Version	NGenTask.exe.log	Usage Log	4.0	NGenTask.exe.log	Usage Log	4.0_32	PowerShell.exe.log	Usage Log	4.0	taskhostw.exe.log	Usage Log	4.0	tsync.exe.log	Usage Log	4.0																		
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Local System's Crash Dumps	<div><div><div><div><div><div></div><div>Local System's Crash Dumps</div><div><div>Clean Now</div></div></div></div><div><div><div>To determine the causes of system application crash, the system can save an application's memory dump during a crash.</div></div></div></div><div><div><div>File Name</div><div>Creation Time</div></div></div></div></div>																																				
Network Service's Crash Dumps	<div><div><div><div><div><div></div><div>Network Service's Crash Dumps</div><div><div>Clean Now</div></div></div></div><div><div><div>To determine the causes of a network service crash, the system can save the service's memory dump during a crash.</div></div></div></div><div><div><div>File Name</div><div>Creation Time</div></div></div></div></div>																																				
Delivery Optimization Service Cache Files	<div><div><div><div><div><div></div><div>Local System's Common Language Runtime Logs</div><div><div>Clean Now</div></div></div></div><div><div><div>The Common Language Runtime (CLR) component of the .NET Framework can create various log files that assist in troubleshooting.</div></div></div></div><div><table><thead><tr><th>File Name</th><th>Log Type</th><th>CLR Version</th></tr></thead><tbody><tr><td>NGenTask.exe.log</td><td>Usage Log</td><td>4.0</td></tr><tr><td>NGenTask.exe.log</td><td>Usage Log</td><td>4.0_32</td></tr><tr><td>PowerShell.exe.log</td><td>Usage Log</td><td>4.0</td></tr><tr><td>taskhostw.exe.log</td><td>Usage Log</td><td>4.0</td></tr><tr><td>tsync.exe.log</td><td>Usage Log</td><td>4.0</td></tr></tbody></table></div></div></div>	File Name	Log Type	CLR Version	NGenTask.exe.log	Usage Log	4.0	NGenTask.exe.log	Usage Log	4.0_32	PowerShell.exe.log	Usage Log	4.0	taskhostw.exe.log	Usage Log	4.0	tsync.exe.log	Usage Log	4.0																		
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taskhostw.exe.log	Usage Log	4.0																																			
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Network Service's Diagnostics Logs	<div><div><div><div><div><div></div><div>Network Service's Diagnostics Logs</div><div><div>Clean Now</div></div></div></div><div><div><div>Some system applications or services running under "Network Service" account can create various log files that assist in troubleshooting.</div></div></div></div><div><div><div>File Name</div><div>Last Modification Time</div></div></div></div></div>																																				
Local System's Direct3D Shader Cache	<div><div><div><div><div><div></div><div>Local System's Direct3D Shader Cache</div><div><div>Clean Now</div></div></div></div><div><div><div>The Direct3D Shader Caching Library of the System can create a cache of its files.</div></div></div></div><div><table><thead><tr><th>File Name</th><th>Last Modification Time</th></tr></thead><tbody><tr><td>F4EB2D6C-ED2B-4BD0-AD9D-F913287E6768.idx</td><td>6/18/2020 6:04:59 PM</td></tr><tr><td>F4EB2D6C-ED2B-4BD0-AD9D-F913287E6768.lock</td><td>3/16/2021 3:25:36 PM</td></tr><tr><td>F4EB2D6C-ED2B-4BD0-AD9D-F913287E6768.val</td><td>6/18/2020 6:04:52 PM</td></tr></tbody></table></div></div></div>	File Name	Last Modification Time	F4EB2D6C-ED2B-4BD0-AD9D-F913287E6768.idx	6/18/2020 6:04:59 PM	F4EB2D6C-ED2B-4BD0-AD9D-F913287E6768.lock	3/16/2021 3:25:36 PM	F4EB2D6C-ED2B-4BD0-AD9D-F913287E6768.val	6/18/2020 6:04:52 PM																												
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Peer Networking Traces	<div><div><div><div><div><div></div><div>Peer Networking Traces</div><div><div>Clean Now</div></div></div></div><div><div><div>The system can create various traces during peer-to-peer network connection with other computers.</div></div></div></div><div><div><div><div><input checked="" type="checkbox"/> Checkpoint Files</div><div><input checked="" type="checkbox"/> Logs</div><div><input checked="" type="checkbox"/> Reserved Transaction Log Files</div><div><input checked="" type="checkbox"/> Databases</div></div></div></div></div></div>																																				

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**Aggregate Traces: More Information...**

This part allows you to inspect and clean various multiple-part traces. Any part of these traces can be removed separately.

System Registry Traces	 <b>System Registry Traces</b>  <p>Registry records of items used by System (Recent System Applications, etc).</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Recent Direct3D Applications</li> <li><input checked="" type="checkbox"/> Recent DirectDraw Applications</li> <li><input checked="" type="checkbox"/> Recent DirectInput Applications</li> <li><input checked="" type="checkbox"/> Shim Inclusion List <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> chrome.exe</li> <li><input checked="" type="checkbox"/> chrome.exe</li> <li><input checked="" type="checkbox"/> FIREFOX.EXE</li> <li><input checked="" type="checkbox"/> plugin-container.exe</li> </ul> </li> <li><input checked="" type="checkbox"/> Stored AutoPlay Event Handlers</li> </ul>
Auxiliary Disk Traces	 <b>Auxiliary Disk Traces</b>  <p>Tree of temporary files and logs created by various system services and programs.</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Component-Based Servicing Log Files <ul style="list-style-type: none"> <li>CbsPersist_20180701160447.log</li> </ul> </li> <li><input checked="" type="checkbox"/> Encrypted Installer Engine Log Files</li> <li><input checked="" type="checkbox"/> Internet Explorer Error Log Files</li> <li><input checked="" type="checkbox"/> Memory Dump Files</li> </ul>
Cryptographic Services Traces	 <b>Cryptographic Services Traces</b>  <p>Catalog Database Service, Key Service, and Protected Root Service can create temporary and log files for troubleshooting purposes.</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Error Logs <ul style="list-style-type: none"> <li>dberr.txt</li> </ul> </li> <li><input checked="" type="checkbox"/> Checkpoint Files</li> <li><input checked="" type="checkbox"/> Log Files</li> <li><input checked="" type="checkbox"/> Temporary Databases</li> </ul>
Security Management Traces	 <b>Security Management Traces</b>  <p>Security Management Tools can create temporary, database, and log files for troubleshooting purposes.</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Checkpoint Files</li> <li><input checked="" type="checkbox"/> Security Policy Management Log Files</li> <li><input checked="" type="checkbox"/> Security Configuration Engine Log Files <ul style="list-style-type: none"> <li>scesetup.log</li> <li>SceSetupLog.etl</li> </ul> </li> <li><input checked="" type="checkbox"/> Backup Log Files</li> <li><input checked="" type="checkbox"/> Update Log Files</li> <li><input checked="" type="checkbox"/> Winlogon Log Files</li> <li><input checked="" type="checkbox"/> Temporary Databases</li> </ul>
SRU Monitoring Traces	 <b>SRU Monitoring Traces</b>  <p>The System Resource Usage (SRU) Monitor Service tracks the use of hardware (CPU, memory, disk, and network) and software (file handles and modules) resources.</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Checkpoint Files <ul style="list-style-type: none"> <li>SRU.chk</li> </ul> </li> <li><input checked="" type="checkbox"/> Logs <ul style="list-style-type: none"> <li>SRU.log</li> <li>SRU00196.log</li> <li>SRU00197.log</li> <li>SRU00198.log</li> <li>SRUmp.log</li> </ul> </li> </ul>
WinSAT Traces	 <b>WinSAT Traces</b>  <p>The Windows System Assessment Tool (WinSAT) measures various performance characteristics and capabilities of the hardware it is running on and reports them as a Windows Experience Index (WEI) score.</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Activity Logs <ul style="list-style-type: none"> <li>winsat.log</li> </ul> </li> <li><input checked="" type="checkbox"/> Events Logs <ul style="list-style-type: none"> <li>2014-10-06 20.34.26.273.winsat.etl</li> <li>2015-10-20 23.17.08.511.winsat.etl</li> </ul> </li> <li><input checked="" type="checkbox"/> Reports <ul style="list-style-type: none"> <li>2014-10-06 20.34.27.585 Cpu.Assessment (Initial).WinSAT.xml</li> <li>2014-10-06 20.34.27.585 Disk.Assessment (Initial).WinSAT.xml</li> <li>2014-10-06 20.34.27.585 DWM.Assessment (Initial).WinSAT.xml</li> <li>2014-10-06 20.34.27.585 Graphics3D.Assessment (Initial).WinSAT.xml</li> <li>2014-10-06 20.34.27.585 GraphicsMedia.Assessment (Initial).WinSAT.xml</li> <li>2014-10-06 20.34.27.585 Mem.Assessment (Initial).WinSAT.xml</li> <li>2014-10-06 20.36.43.220 Formal.Assessment (Initial).WinSAT.xml</li> </ul> </li> </ul>

**Miscellaneous Traces: More Information...**

This part allows you to inspect and clean various miscellaneous traces.																																				
System Temporary Files and Folders	<div><div><div><div></div><div>System Temporary Files and Folders</div><div>Clean Now</div></div><div><div>List of temporary files and folders created by your system.</div><table><thead><tr><th>File or Folder Name</th><th>Last Modification Time</th></tr></thead><tbody><tr><td>1.271.326.0_to_1.271.366.0_mpsadfta.vdm_p</td><td>7/2/2018 3:57:13 PM</td></tr><tr><td>1.271.326.0_to_1.271.366.0_mpsadfta.vdm_p</td><td>7/2/2018 3:57:13 PM</td></tr><tr><td>A2B5B1E7-1E5F-4D72-A71F-8DBA9C8AE5...</td><td>7/2/2018 3:57:13 PM</td></tr><tr><td>AdobeARM.log</td><td>7/15/2018 11:12:54 AM</td></tr><tr><td>AdobeARM_NotLocked.log</td><td>7/15/2018 11:12:53 AM</td></tr></tbody></table></div></div></div>	File or Folder Name	Last Modification Time	1.271.326.0_to_1.271.366.0_mpsadfta.vdm_p	7/2/2018 3:57:13 PM	1.271.326.0_to_1.271.366.0_mpsadfta.vdm_p	7/2/2018 3:57:13 PM	A2B5B1E7-1E5F-4D72-A71F-8DBA9C8AE5...	7/2/2018 3:57:13 PM	AdobeARM.log	7/15/2018 11:12:54 AM	AdobeARM_NotLocked.log	7/15/2018 11:12:53 AM																							
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AdobeARM_NotLocked.log	7/15/2018 11:12:53 AM																																			
Cached Fonts	<div><div><div><div></div><div>Cached Fonts</div><div>Clean Now</div></div><div><div>Your system stores a cache of fonts installed in the system. Attention! When deleting and wiping this cache, you do not remove the fonts, only their cached copies.</div><table><tbody><tr><td>Arial</td><td>MonotypeArial Regular (Microsoft) Arial</td></tr><tr><td>Arial Black</td><td>Monotype - Arial Black Regular Arial Black</td></tr><tr><td>Arial Narrow</td><td>Arial Narrow Regular : 1991 Arial Narrow Regular</td></tr><tr><td>Comic Sans MS</td><td>Microsoft Comic Sans Comic Sans MS</td></tr><tr><td>Courier New</td><td>aMonotypeCourier New (Microsoft) Courier New</td></tr></tbody></table></div></div></div>	Arial	MonotypeArial Regular (Microsoft) Arial	Arial Black	Monotype - Arial Black Regular Arial Black	Arial Narrow	Arial Narrow Regular : 1991 Arial Narrow Regular	Comic Sans MS	Microsoft Comic Sans Comic Sans MS	Courier New	aMonotypeCourier New (Microsoft) Courier New																									
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Kernel Live Dump Files	<div><div><div><div></div><div>Kernel Live Dump Capture Log</div><div>Clean Now</div></div><div><div>Kernel Live Dump gathers data to troubleshoot an abnormal situation, but allow the OS to continue operation.</div><table><thead><tr><th>Date and Time</th><th>Event</th></tr></thead></table></div></div></div>	Date and Time	Event																																	
Date and Time	Event																																			
System Problem Reports	<div><div><div><div></div><div>System Problem Reports</div><div>Clean Now</div></div><div><div>Windows uses Problem Reports to identify which problems in system services and/or applications have occurred on your computer and to notify you if solutions are available.</div><table><thead><tr><th>Product Name</th><th>Product Path</th><th>Problem</th><th>Date and Time</th><th>Status</th></tr></thead></table></div></div></div>	Product Name	Product Path	Problem	Date and Time	Status																														
Product Name	Product Path	Problem	Date and Time	Status																																
RADAR Memory Leaks History	<div><div><div><div></div><div>RADAR Memory Leaks History</div><div>Clean Now</div></div><div><div>The Memory Leak Diagnoser component of Windows Resource Exhaustion Detection and Resolution (RADAR) provides information about applications that are diagnosed as having memory leaks.</div><table><thead><tr><th>Diagnosed Application</th><th>Last Detection Time</th></tr></thead><tbody><tr><td>DismHost.exe</td><td>5/31/2019 2:49:26 PM</td></tr><tr><td>RStudio64.exe</td><td>12/8/2018 5:09:50 PM</td></tr></tbody></table></div></div></div>	Diagnosed Application	Last Detection Time	DismHost.exe	5/31/2019 2:49:26 PM	RStudio64.exe	12/8/2018 5:09:50 PM																													
Diagnosed Application	Last Detection Time																																			
DismHost.exe	5/31/2019 2:49:26 PM																																			
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Registry Transactions History	<div><div><div><div></div><div>Registry Transactions History</div><div>Clean Now</div></div><div><div>The system and applications can perform a group of operations in the Registry as a transaction, that allows at any stage to return to the original state in case of an error.</div><table><thead><tr><th>Registry Key</th><th>Operation</th><th>Value Name</th><th>Value Type</th><th>Value Data</th></tr></thead><tbody><tr><td>\REGISTRY\MACHINE\SOFTWARE\Micr...</td><td>Set Value</td><td>10.0.18362.1</td><td>Binary</td><td>[Binary Content]</td></tr><tr><td>\REGISTRY\MACHINE\SOFTWARE\Micr...</td><td>Set Value</td><td>10.0.18362.E</td><td>Binary</td><td>[Binary Content]</td></tr><tr><td>\REGISTRY\MACHINE\SOFTWARE\Micr...</td><td>Set Value</td><td>10.0.18362.1</td><td>Binary</td><td>[Binary Content]</td></tr><tr><td>\REGISTRY\MACHINE\SOFTWARE\Micr...</td><td>Set Value</td><td>10.0.18362.1</td><td>Binary</td><td>[Binary Content]</td></tr><tr><td>\REGISTRY\MACHINE\SOFTWARE\Micr...</td><td>Set Value</td><td>10.0.18362.1</td><td>Binary</td><td>[Binary Content]</td></tr><tr><td>\REGISTRY\MACHINE\SOFTWARE\Micr...</td><td>Set Value</td><td>10.0.18362.1</td><td>Binary</td><td>[Binary Content]</td></tr></tbody></table></div></div></div>	Registry Key	Operation	Value Name	Value Type	Value Data	\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]	\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.E	Binary	[Binary Content]	\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]	\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]	\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]	\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]
Registry Key	Operation	Value Name	Value Type	Value Data																																
\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]																																
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\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]																																
\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]																																
\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]																																
\REGISTRY\MACHINE\SOFTWARE\Micr...	Set Value	10.0.18362.1	Binary	[Binary Content]																																
Cached Applications Compatibility Info	<div><div><div><div></div><div>Cached Applications Compatibility Info</div><div>Clean Now</div></div><div><div>Your system can create a cache of some information about the compatibility of applications run on your system, including applications already removed from the system.</div><table><thead><tr><th>Application Path</th><th>Compatibility Settings</th></tr></thead></table></div></div></div>	Application Path	Compatibility Settings																																	
Application Path	Compatibility Settings																																			
Swap Files	<div><div><div><div></div><div>Swap Files</div><div>Clean Now</div></div><div><div>Areas on hard disk that Windows uses as a temporary storage for memory data of the Universal Windows applications currently being inactive. Data from any running Universal Windows application may appear in these files. Your system needs to be restarted to start wiping the swap files. You will be prompted either to restart your system now, or to delay swap file wiping until the next restart.</div><table><thead><tr><th>Disk</th><th>File Name</th><th>File Size</th></tr></thead><tbody><tr><td>C:</td><td>swapfile.sys</td><td>16 MB</td></tr></tbody></table></div></div></div> <div>To start wiping swap files, you must restart your system. You will be prompted either to restart your system to start wiping the swap files, or to delay wiping until the next restart.</div>	Disk	File Name	File Size	C:	swapfile.sys	16 MB																													
Disk	File Name	File Size																																		
C:	swapfile.sys	16 MB																																		
Defragmentation List	<div><div><div><div></div><div>Defragmentation List</div><div>Clean Now</div></div><div><div>Your system stores this list of files and folders in order to enhance the defragmentation process. Attention! When deleting and wiping this list, you do not remove the files, only the list.</div><table></table></div></div></div>																																			

#### 2.4.2.4 Cleaning Program Traces

You may clean various caches, logs, [temporary files](#), recent files lists, [caches](#), and other traces left by a number of applications.

You may also include program traces into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

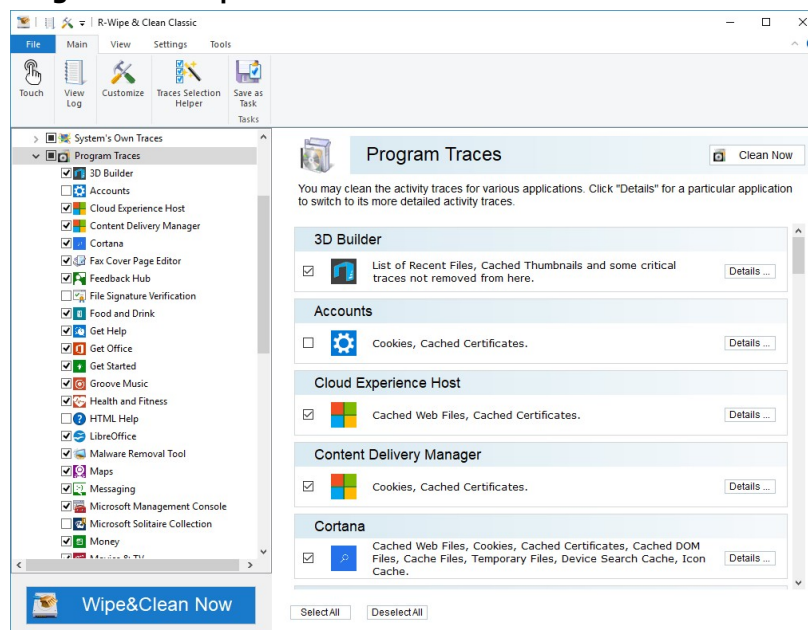
The list of items visible on the **Program Traces** panel can be edited on the [Customize](#) panel.

**To clean traces of the programs,**

- Select the **Program Traces** tab.

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

**Program Traces panel**



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

**R-Wipe & Clean** will start cleaning the computer. When **R-Wipe & Clean** finishes cleaning, the **Report** dialog box will appear showing cleaning results.



## 2.5 Wiping Tasks and Scheduler

You can specify a large wipe and clean task, which may include wiping unused disk space, cleaning your computer from any Internet and document links, and one or several wipe lists. You may start this task immediately or set a special time/event when this task will be started automatically.

- [Creating a Large Wipe and Clean Task](#)
- [Using Scheduler](#)
- [Starting Tasks from a Command Line and Shortcuts](#)
- [Importing Task from a Command Line](#)

### 2.5.1 Creating a Large Wipe and Clean Task

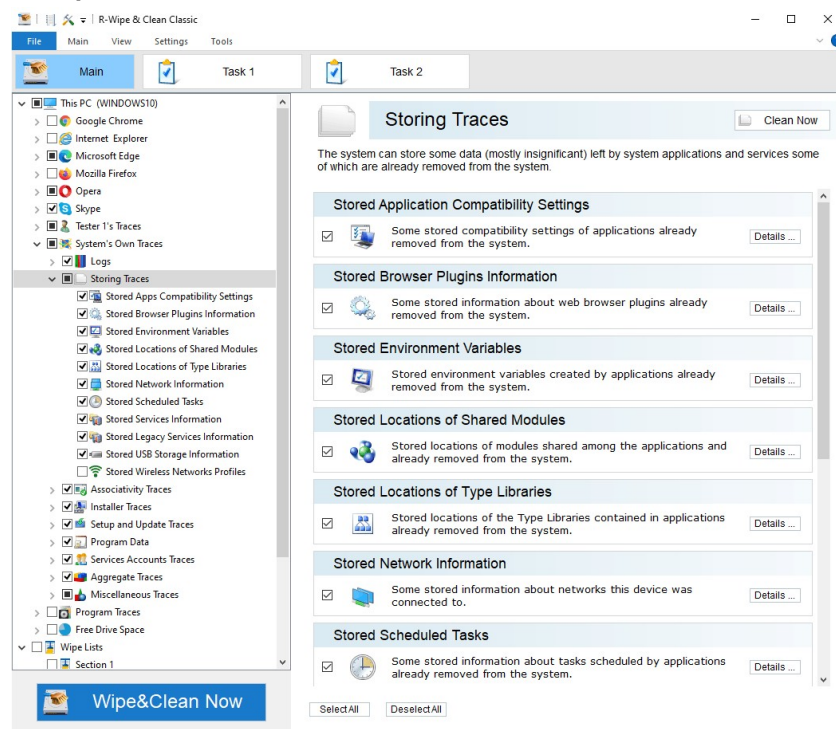
You may specify a large wipe and clean task, which may include wiping free disk space, cleaning your computer from any internet and document links, and one or several wipe lists.

To set a large wipe and clean task,

- In the Tree mark the items you want to clean and click the **Wipe&Clean Now** button.

You may see the contents of any particular item on its respective panel on the right pane.

#### Task panel



**R-Wipe & Clean** will start cleaning the computer, and the **Deleting and wiping** dialog box will appear showing the cleaning progress.

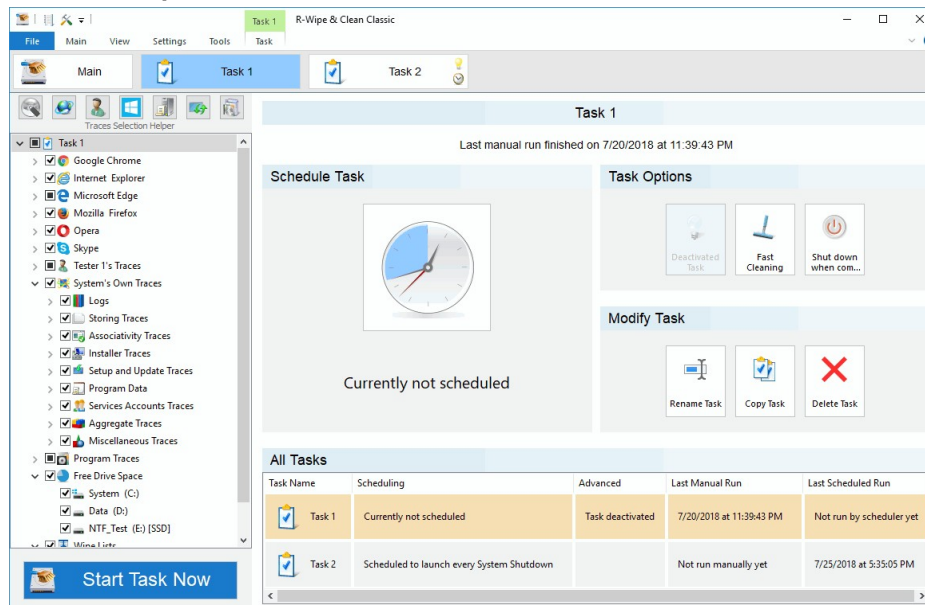
When **R-Wipe & Clean** finishes wiping and cleaning, the **Report** dialog box will appear showing cleaning results.

You may save the task to run in future, either manually or using the [Scheduler](#).

To save a large wipe and clean task,

- Select **Save as Task** on the **Main** menu.

## Saved Task panel



## Managing Existing Wipe and Clean Tasks

The existing tasks appear in the **Wipe and Clean tasks** list on the **R-Wipe & Clean** right pane. You may modify/delete/schedule an existing task when it's selected.

### + More Information...

Schedule Task	Click this button to <a href="#">schedule</a> the task
Deactivate Task	Click this button to toggle task activation/deactivation. A deactivated task won't be started by the scheduler, but it can be run manually.
Fast Cleaning	Enable this option to run the task faster. When this option is enabled, all files will be deleted rather than wiped regardless of <a href="#">Files Wiping Settings</a> settings.
Shut down when completed	Enable this option to shutdown your computer when the task has been completed.
Rename Task	Click this button to rename the current task
Copy Task	Click this button to copy the current task to another one
Delete Task	Click this button to delete the current task

### To start an existing wipe and clean task manually,

- Select the task and then click the **Start Task Now** button.

**R-Wipe & Clean** will start cleaning the computer, and the **Deleting and wiping** dialog box will appear showing the cleaning progress. When **R-Wipe & Clean** finishes wiping and cleaning, the **Report** dialog box will appear showing cleaning results.

### To edit an existing wipe and clean task,

- Select the required task.
- Make the necessary changes and click **Save Changes** on the **Task** menu.

**R-Wipe & Clean** may automatically save all changes if **automatically save changes in the tree of the task items** is selected on the [Tasks Settings](#) panel.



**To deactivate/activate all existing wipe and clean tasks in the Wipe and Clean Tasks list,**

- Select **Deactivate/Activate All Tasks** on the **Task** menu.

**To delete all existing wipe and clean tasks in the Wipe and Clean Tasks list,**

- Select **Delete All Tasks** on the **Task** menu.

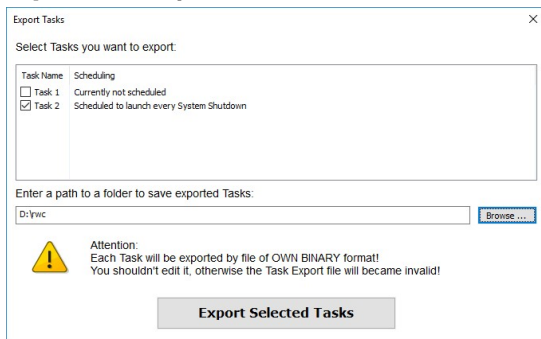
### ***Transferring Tasks from One Computer to Another***

You may transfer tasks from one computer to another with installed **R-Wipe & Clean**. For example, you can create a certain task on one computer and then distribute it over several computers.

**To export a wipe and clean task,**

- Select **Tasks Transfer** on the **Tools** menu and select **Export Tasks** on the **Tasks Transfer** dialog box.

#### **Export Tasks panel**



- Select the required task and click the **Exported Selected Tasks** button.

**To import a wipe and clean task,**

- Select **Tasks Transfer** on the **Tools** menu and select **Import Tasks** on the **Tasks Transfer** dialog box.
- Select the required file and click the **Open** button.

## **2.5.2 Using Scheduler**

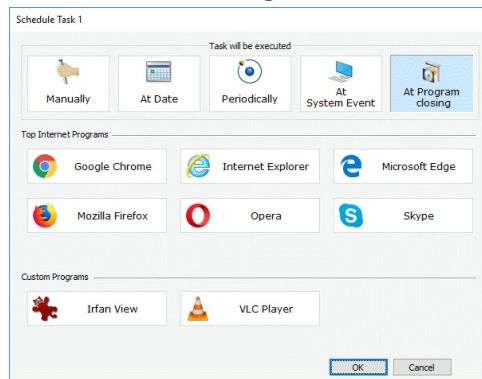
You may set a [large wipe and clean task](#) to run at a specified time or event. You may have several such tasks, each starting at its own time or event. You may even start such tasks [from a command line](#).

### ***Creating a Large Wipe and Clean Task at a Specified Time or Event***

**To schedule a new large wipe and clean task,**

- [Create and save](#) a wipe & clean task
- Click the **Schedule Task** button.

A **Schedule Task** dialog box will appear.

**Schedule Task dialog box**

- Specify time or event at which the task will start and other task options on the **Schedule Task** dialog box, and click the **OK** button.

**Time or event**

Depending on the specified time or event, the fields <a href="#">Date</a> and <a href="#">Time</a> may change their names		
Manually	The wipe and clean task will never start automatically. You may start it manually	
At Date	The wipe and clean task will start on a specified date at a specified time or the first system startup	
Periodically	The wipe and clean task will start in a specified time interval:	
	Every Time interval	Every specified time interval (hours and minutes)
	Day	Every day at a specified time or the first system startup
	Week	Every specified weekday at a specified time or the first system startup
	Month	Every specified month day at a specified time or the first system startup
At System Event	The wipe and clean task will start at a specified system event	
	User Logon	Every user logon
	System Startup	Every system startup. The task will start during the first logon after the system startup
	User Logoff	Every user logoff
	System Shutdown	Every system shutdown. The task will start during the logoff when the system goes off or restarts.
At Internet app closing /At Program closing	At every closing a particular browser/communication program or all of them. On the <a href="#">Task Setting</a> , you may add a custom program (not necessary an Internet application) to start running a scheduled task upon its closing. If such a program is added, this item changes its name to At Program closing.	

**2.5.3 Starting Tasks from a Command Line and Shortcuts****Starting a Large Wipe and Clean Task from a command line**

To start an existing wipe and clean task from a command line,

- type `RwcRun.exe /t "TaskName"`  
where `TaskName` is the name of a task to run.

You may include this command line in any command file.

### ***Starting a Large Wipe and Clean Task from a desktop shortcut***

To start an existing wipe and clean task from a desktop shortcut,

- Create a command file with the command starting the task.
- Create a shortcut with that command file.

## **2.5.4 Importing Task from a Command Line**

### ***Importing a Wipe and Clean Task from a command line***

To import an existing wipe and clean task from a command line,

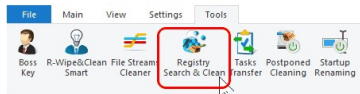
- type `RwcRun.exe /importtask "Filepath/TaskFile"`  
where `Filepath/TaskName` is the file path and name of a task to import.

## **2.6 Registry Search & Clean**

This tool makes search for and deletion of, keys, values, and value content much easier.

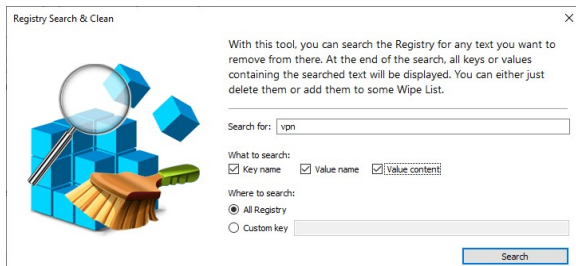
It can be started from the ribbon in the **Tools** menu.

### **Registry Search & Clean**



#### **1 Enter text to search for and click the Search button**

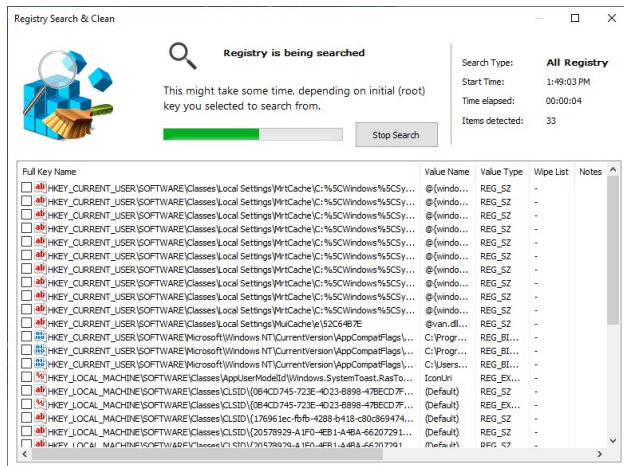
### **Registry Search & Clean**



You may select places where to search for the text.

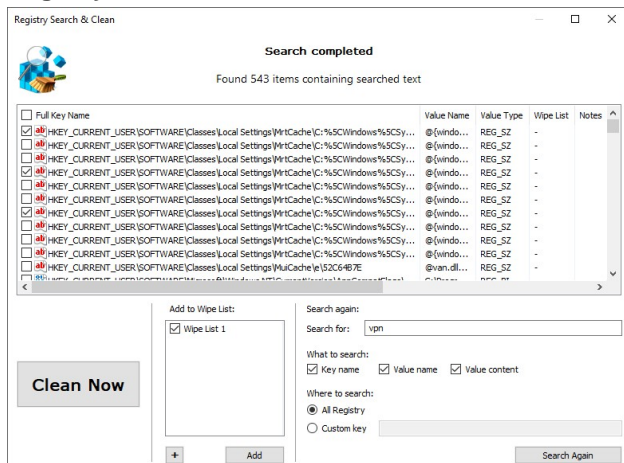
## > R-Wipe & Clean will start searching Registry showing its progress.

### Registry Search & Clean



## 2 When the search is over, you may clean marked items, add them to a wipe list, or search for other items

### Registry Search & Clean



## 2.7 Startup Renaming

**Note:** You should completely understand what are you doing when using **Startup Renaming**, or you may severely damage your system.

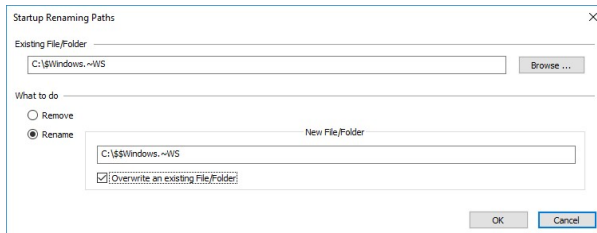
Sometimes you may want to delete or view a folder or files locked by Windows or some other program. **Startup Renaming** can help you to do that by renaming or deleting them during next startup. It also shows you a list of files and folders that will be renamed during the next startup. You may edit that list if necessary.

**Startup Renaming** can be invoked by selecting **Startup Renaming** on the **Tools** menu

**To add a folder or file to the Startup Renaming,**

- Click **Add File or Folder** button on the **Startup Renaming** dialog box, select the required file(s)/folder(s) on the **Paths** dialog box, and click the **OK** button.

### Startup Renaming Paths dialog box

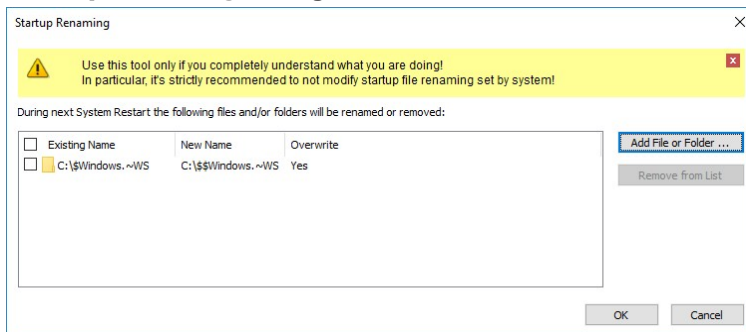


Select **Remove** to if you want to delete them or **Rename** if you want to rename them.

Select **Overwrite an existing Folder/File** if you want to overwrite an already existing file(s) or folder(s) with those that are to be renamed.

The selected file(s) and folder(s) will appear on the **Startup Renaming** dialog box.

### Startup Renaming dialog box



#### To edit a folder or file already added to the Startup Renaming,

- Select **Startup Renaming** on the **Tools** menu.
- Double-click the required file or folder and click the **Edit Paths** button.
- Edit the settings on the **Startup Renaming Paths** dialog box, and click the **OK** button.

#### To remove a folder or file from the Startup Renaming,

- Select **Startup Renaming** on the **Tools** menu.
- Select the required file or folder and click the **Remove From List** button.

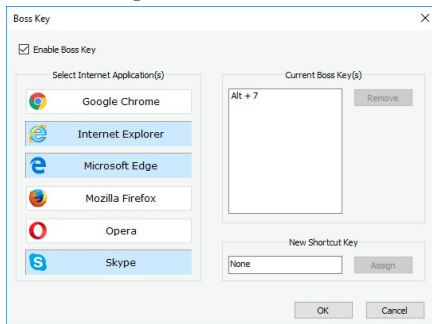
## 2.8 Boss Key

You can set one or several *Boss Keys* (keyboard shortcuts) that enable you to quickly close (stop) any, some, or all web browsers/applications on your system. When the **Boss Key** is enabled, every time you press the **Boss Key** combination on your keyboard the specified program will be immediately closed.

#### To set a Boss Key,

- Select **Boss Key** on the **Tools** menu.

### Boss Key dialog box



- Select **Enable Boss Key** on the dialog box
- Select a browser(s)/program(s) you want to be able to close in the **Select an Internet Applications(s)** list.
- Enter a key combination from the keyboard, and click the **Assign** button.  
The specified key combination will appear in the **Current Boss Key(s)** field.
- Click the **OK** button for the new settings to take effect.

#### To add another Boss Key,

- Select the **Press a New Shortcut Key** field, enter the key combination from the keyboard, and click the **OK** button.  
The specified key combination will appear in the **Current Boss Key(s)** list.
- Click the **OK** button for the new settings to take effect.

#### To remove a Boss Key,

- Select the Boss Key in the **Current Boss Key(s)** field and click the **Remove** button.  
The specified key combination will disappear from the **Current Boss Key(s)** list.
- Click the **OK** button for the new settings to take effect.

## III Touch Interface: Main Panel

**Note:** Some operations, such as [wiping a file](#), [wiping and deleting the contents of the Recycle Bin](#), or [wiping free space](#) on a single disk, can be performed directly from the shortcut menu without starting **R-Wipe & Clean**.

When **R-Wipe & Clean** starts, its main panel appears. You may [customize](#) **R-Wipe & Clean** to view only necessary items.

### R-Wipe & Clean's main panel



#### More information on the Main panel

Rotating Carousel	Swipe right/left it to go to the required item and tap to select it.
Control Panel	Settings: Select it to go to the <a href="#">Settings</a> panel. Log: Select it to view and save the <a href="#">Log file</a> Customize: Select it to <a href="#">customize</a> R-Wipe & Clean
Wipe & Clean Task panel	Select it to go to the <a href="#">Large Wipe and Clean Tasks</a> panel.
Switch to the Classic Interface	Select it to switch to the Classic interface

#### Wipe and Clean Tasks

##### How to:

Clean your private information from your computer: [Cleaning a Computer](#)

Remove a single file directly from Files and Folders: [Wiping a File](#).

Remove the contents of the **Recycle Bin**: [Wiping the Recycle Bin](#).



Remove several files in a single task: [Wipe Lists](#).

Wipe free space on one disk: [Wiping Free Disk Space](#).

Wipe several disks at once [Wiping Free Disk Space](#).

Clean your computer, remove several files and folders, and wipe unused disk space simultaneously: [Setting a Large Wipe and Clean Task](#)

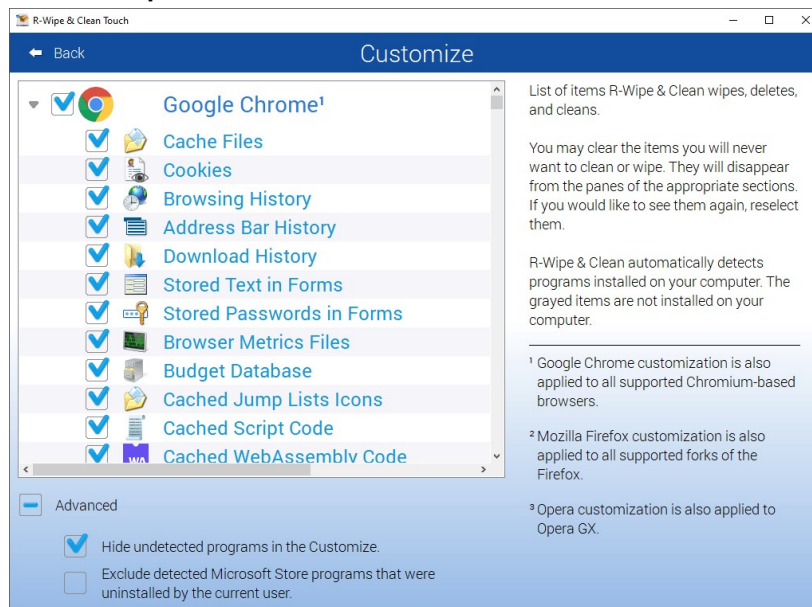
### 3.1 Customization

You may set on the **Customize** panel which items that **R-Wipe & Clean** removes or cleans will be visible on various item views and accessible to you.

You may clear the items you will never want to clean and they will disappear from all views. If you want to gain access to them again, select them once again.

You may reach the **Customize** panel on the **Main** menu.

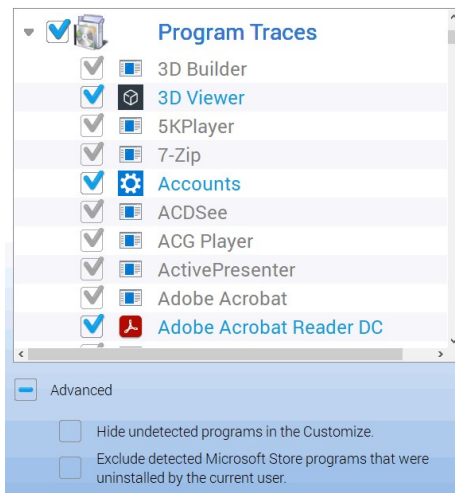
#### Customize panel



1. Google Chrome customization is also applied to all supported Chromium-based browsers.
2. Mozilla Firefox customization is also applied to all supported Firefox fork browsers.
3. Opera customization is also applied to Opera GX.

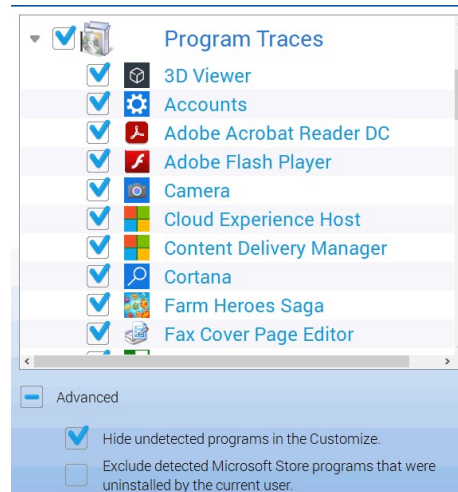
**R-Wipe & Clean** automatically detects programs installed on your computer. Items not installed are dimmed. You may hide them by selecting the **Hide undetected applications** option in the **Customize** panel.

### Undetected applications



Undetected applications are shown

You may also exclude games and applications from MS Store that have been uninstalled by the current user but still remain in the system.



Undetected applications are hidden

## 3.2 Settings

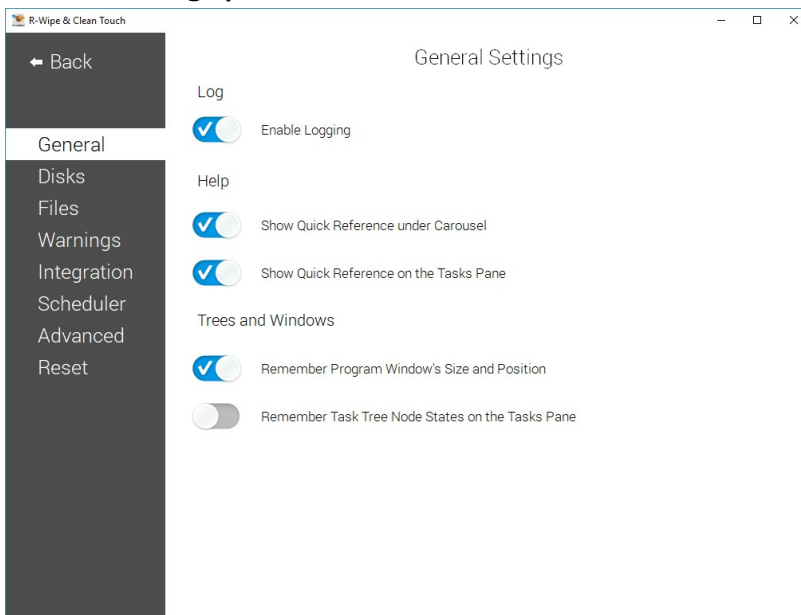
You may reach the **Settings** panel(s) from the **Settings** menu of the **Control Panel**.

### Panels and Settings

#### General Settings

You may set some default settings on how shows some quick references on the **Main** panel and keeps states of various program windows and task items.

#### General Settings panel

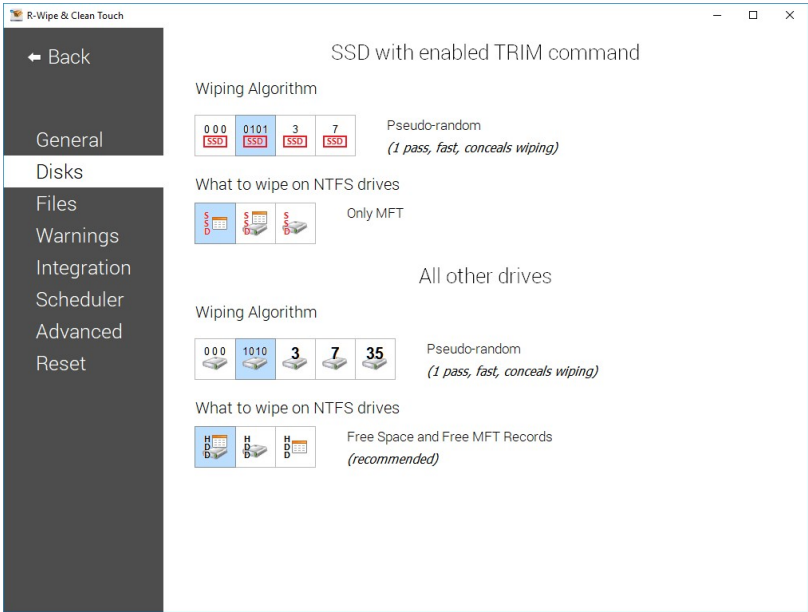


Disks Settings

You may set default wiping setting for free drive space on this tab.

**Note:** There are two separate free space wiping settings for regular hard drives and [SSD devices](#). Read the File Erasure on SSD and HDD devices page for more details.

Free Drive Space Wiping Settings panel



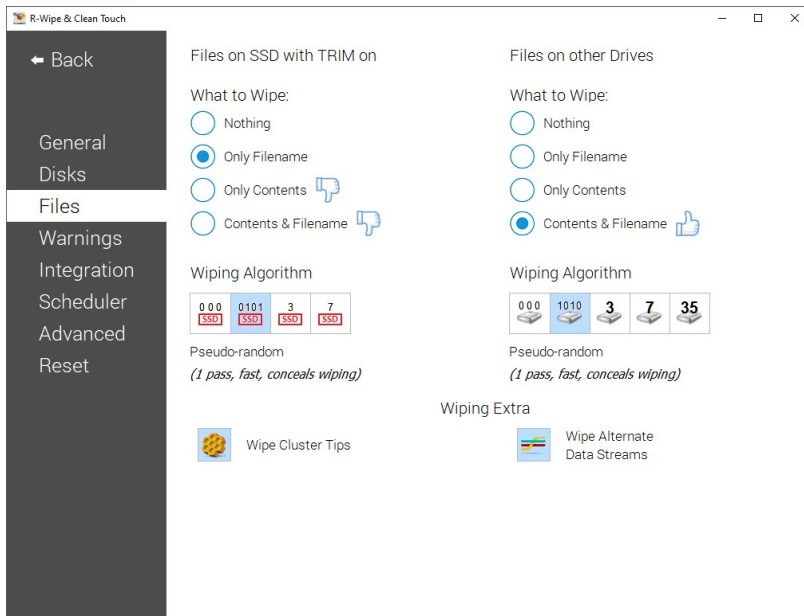
Free Drive Space Wiping Settings

Wiping algorithm	You may select a default algorithm for wiping disks. To learn more about wiping algorithms, go to <b>Wiping Algorithms</b> .
What to wipe on NTFS drives	<ul style="list-style-type: none"><li>free MFT records only: If this option is selected, <b>R-Wipe &amp; Clean</b> deletes records of small files which are stored directly in the NTFS Master File Table. It also removes the names of deleted files and folders that may be stored in the disk's MFT. This is important even for SSD devices.</li><li>free space and free MFT records: If this option is selected, <b>R-Wipe &amp; Clean</b> wipes drive's free space and deletes records of small files which are stored directly in the NTFS Master File Table. It also removes the names of deleted files and folders that may be stored in the disk's MFT.</li><li>only free space: If this option is selected, <b>R-Wipe &amp; Clean</b> only wipes drive's free space.</li></ul>

Files Settings

You may set default wiping setting for separate files on this tab.

## Files Wiping Settings panel



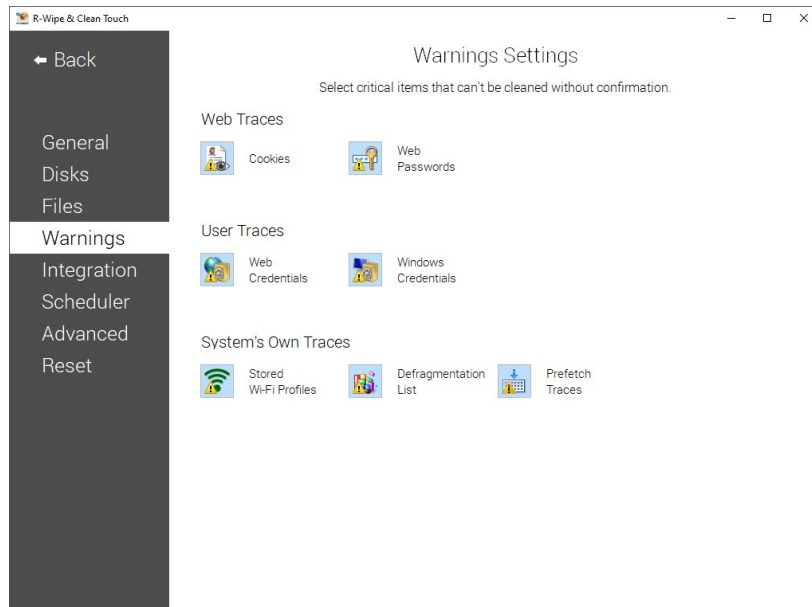
### Files Wiping Settings

Files on SSD with TRIM on	You may select what will be wiped on SSD devices with the enabled TRIM command. <b>Note:</b> Content wiping is not recommended for TRIM-enabled SSD devices. Read the File Erasure on SSD and HDD devices page for more details.
Files on other Drives	You may select what will be wiped on conventional HDDs and SSDs with the disabled TRIM command.
What to wipe	You may specify how filest will be wiped.
Wiping algorithm	You may select a default algorithm for wiping disks. To learn more about wiping algorithms, go to <b>Wiping Algorithms</b> .
Wipe <a href="#">alternate data streams</a> :	(Effective to the NTFS file system only). If this option is selected, <b>R-Wipe &amp; Clean</b> wipes all streams associated with the file.
Wipe <a href="#">cluster tips</a>	If this option is selected, <b>R-Wipe &amp; Clean</b> also wipes free parts of file clusters.

### Warnings Settings

You may specify setting for displaying various warnings on this tab.

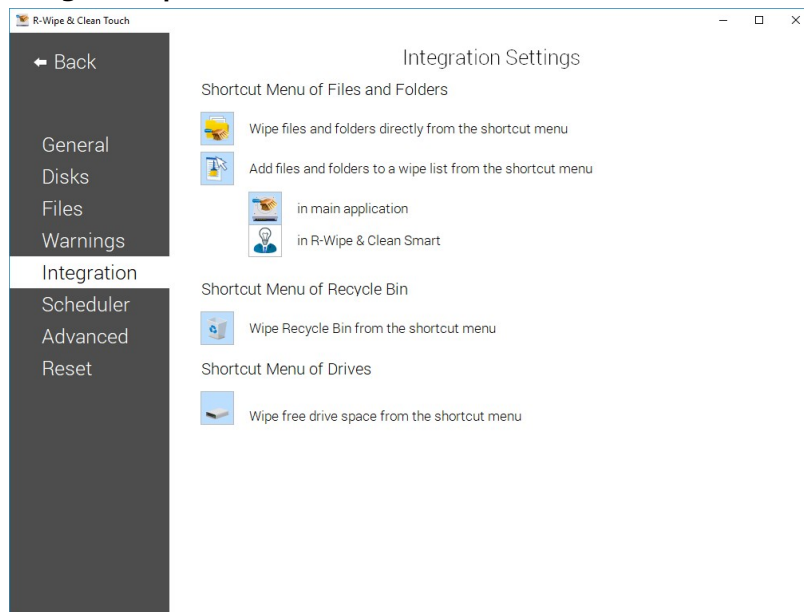
## Warnings Settings panel



## Integration Settings

You may set options controlling the integration of **R-Wipe & Clean** into your system on this tab.

### Integration panel



## Integration Settings

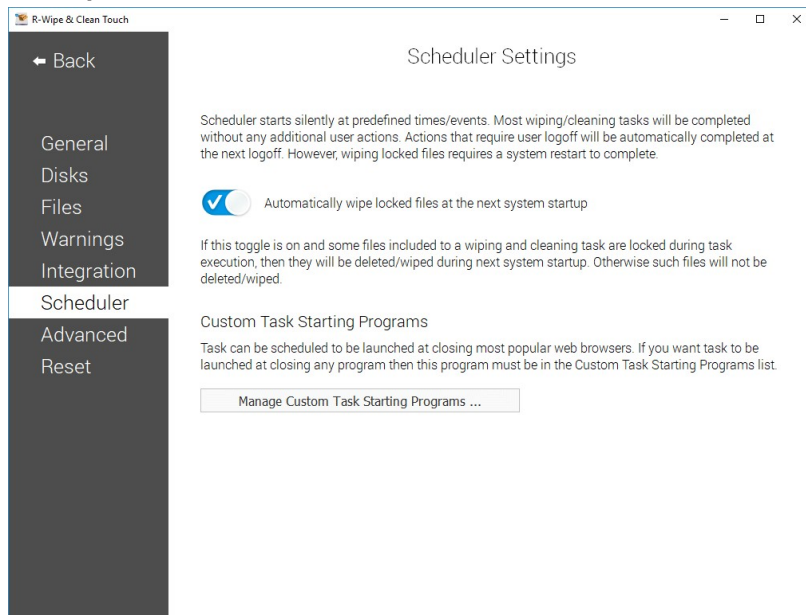
Shortcut Menu of Files and Folders	
Wipe files and folders directly from the shortcut menu	If this option is selected, the <b>Delete and Wipe</b> item will be added to the shortcut menu in Files and Folders. Using this item, you may delete and wipe files and folders directly from Files and Folders.

Add files and folders into a wipe list	If this option is selected, the <b>Add to the Wipe List</b> item will be added to the shortcut menu in Files and Folders. Using this item, you may add files and folders to a wipe list directly from Files and Folders to the <b>R-Wipe &amp; Clean</b> or to <b>R-Wipe &amp; Clean Smart</b> .
Shortcut Menu of Recycle Bin	
Wipe Recycle Bin from the shortcut menu	If this option is selected, the <b>Wipe and Empty</b> item will be added to the shortcut menu in the <b>Recycle Bin</b> . Using this item, you may wipe files and folders directly from the <b>Recycle Bin</b> .
Shortcut Menu of Drives	
Wipe free space directly from the shortcut menu	If this option is selected, the <b>Wipe Free Space with R-Wipe &amp; Clean</b> command will be added to the shortcut menu of every logical disk. Using this item, you may wipe free disk space from the shortcut menu.

### Scheduler Settings

You may set an option controlling the execution of large wipe and clean tasks.

#### Tasks panel



### Scheduler Settings

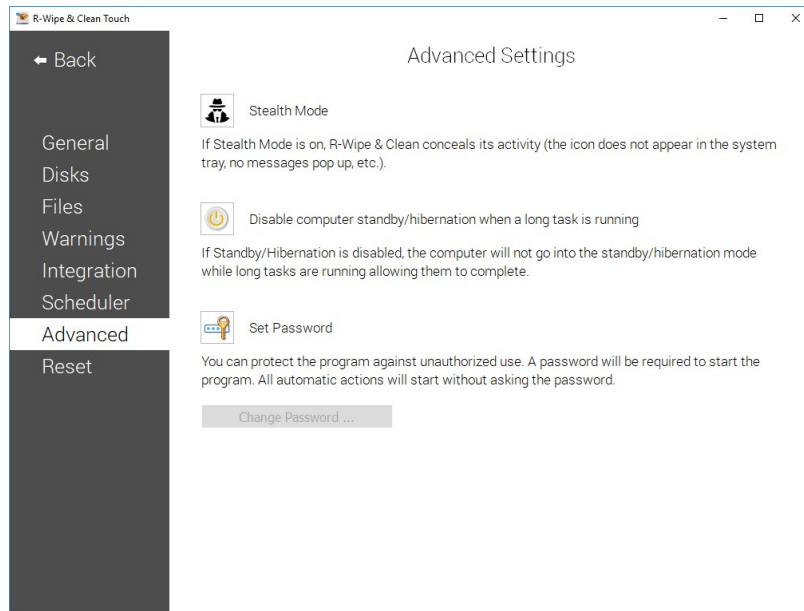
Automatically wipe locked files at the next system startup	If this option is selected, <b>R-Wipe &amp; Clean</b> will wipe locked files at the next system startup.
Manage Custom Task Starting Programs...	You may add up to 5 programs which closing will run a scheduled task if this is specified on <a href="#">Scheduler</a> .

### Advanced Settings

You may set some advanced options on the **Advanced** tab of the **Settings** panel.



## Advanced panel



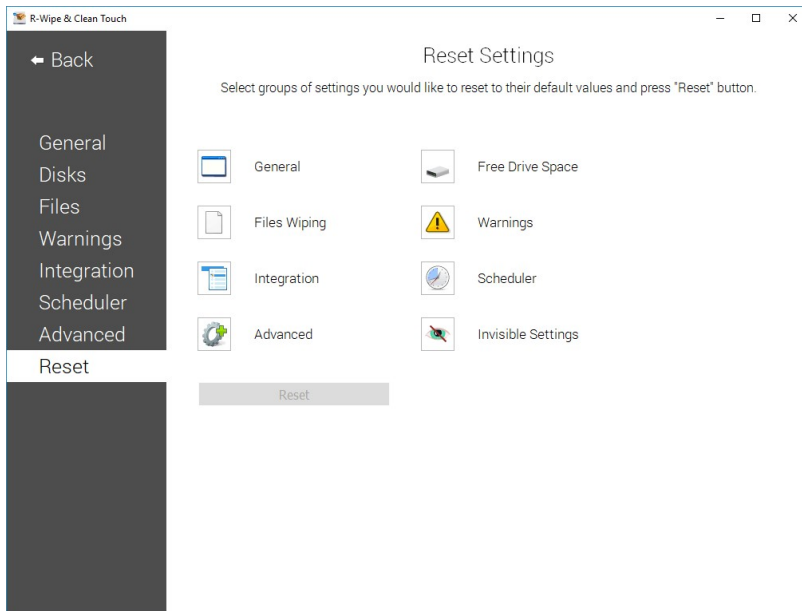
### Advanced Settings

Stealth mode	If this option is selected, <b>R-Wipe &amp; Clean</b> conceals its activity. Its icon does not appear in the system tray, no messages pop up, etc.
Disable computer standby/hibernation when a long task is running	If this option is selected, your computer will not go into the standby/hibernation mode while long tasks are running allowing them to complete.
Set Password	You may protect the program against unauthorized use. If this option is selected, a password will be required to start <b>R-Wipe &amp; Clean</b> . All automatic actions will start without asking the password.

### Resetting to Defaults

If necessary, you may reset to defaults all or individual settings on the **Reset Settings** panel.

## Reset Settings panel



## 3.3 Logging

You may specify log setting and view the log on the **Log** panel. You may reach this panel by either selecting **Log** on the **Control Panel** from the **Main** panel or by clicking the **View Log** button on various tabs.

The Note column shows the [current wiping settings](#) for the [SSD disks](#) with TRIM enabled and other disks.

### Log panel

R-Wipe & Clean Log								
Save As ...		Log is enabled. Click to disable					Clear Log	
Date	Time	Section	Item	What's cleaned	Status	Cleaned Size	Notes	
12/5/2019	11:46:10 AM			STARTING CLEANING FROM CLASSIC			[Non-SSD file wiping: contents & filename, Pseudo-random, ADS - on, CT - on] [SSD file wiping: only filename, Pseudo-random]	
12/5/2019	11:46:10 AM	Google Chrome	Cache Files	Cache Files	OK	33,154,591 bytes		
12/5/2019	11:46:41 AM	Google Chrome	Cookies	Cookies	OK	167,936 bytes		
12/5/2019	11:46:41 AM	Google Chrome	Browsing History	Browsing History	OK	0 bytes		
12/5/2019	11:46:41 AM	Google Chrome	Download History	Download History	OK	0 bytes		
12/5/2019	11:46:42 AM	Google Chrome	Address Bar History	Address Bar History	OK	20,480 bytes		
12/5/2019	11:46:42 AM	Google Chrome	Stored Text in Forms	Stored Text in Forms	OK	0 bytes		
12/5/2019	11:46:42 AM	Google Chrome	Stored Passwords in Forms	Stored Passwords in Forms	OK	32,768 bytes		
12/5/2019	11:46:42 AM	Google Chrome	Browser Metrics Files	Browser Metrics Files	OK	9,437,184 bytes		
12/5/2019	11:46:43 AM	Google Chrome	Budget Database	Budget Database	OK	199 bytes		
12/5/2019	11:46:44 AM	Google Chrome	Cached Jump Lists Icons	Cached Jump Lists Icons	OK	0 bytes		
12/5/2019	11:46:44 AM	Google Chrome	Cached Script Code	Cached Script Code	OK	72 bytes		
12/5/2019	11:46:44 AM	Google Chrome	Current Session Commands	List of Current Session Commands	OK	327,276 bytes		
12/5/2019	11:46:45 AM	Google Chrome	Current Tabs Commands	List of Current Tabs Commands	OK	8 bytes		
12/5/2019	11:46:45 AM	Google Chrome	DNS Prefetching Data	DNS Prefetching Data	OK	0 bytes		
12/5/2019	11:46:45 AM	Google Chrome	Extensions Cookies	Extensions Cookies	OK	7,168 bytes		
12/5/2019	11:46:45 AM	Google Chrome	Extensions Databases	Extensions Databases	OK	0 bytes		
12/5/2019	11:46:45 AM	Google Chrome	Extensions State	Extensions State	OK	32,218 bytes		
12/5/2019	11:46:46 AM	Google Chrome	Flash Player Cache	Flash Player Cache	OK	507 bytes		

ADS: wiping of Alternative Data Streams.

CT: wiping of [Cluster Tips](#).

You may enable/disable log, save and clear it.

## 3.4 Wiping and Cleaning

It is incredible how much your personal information may be found in your computer. Actually, your PC 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.

**Note:** Files deleted on [SSD devices](#) usually cannot be recovered even if they've not been [wiped](#). Read File Erasure on SSD and HDD devices page for details.

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

- **File Erasure on SSD and HDD devices**
- **Wiping Algorithms**
- [Wiping](#)
- [Cleaning a Computer](#)

### 3.4.1 Wiping

**Attention! Wiping files or free disk space on SSD devices is not possible in most cases. Read the File Erasure on SSD and HDD devices page for details.**

**R-Wipe & Clean** disables [wiping files](#) and free disk space on such devices by default. You may enable it, but you should understand what you are doing.

#### **Wiping files**

Simply deleting a file does not mean that the data of this file are gone for good. When you delete a file, even when the **Recycle Bin** is disabled, Windows writes some information on the disk that this particular file should be treated as unneeded, and its space may be allocated for other file. Until data from the next file are written over the deleted one, the deleted data may be easily recovered using inexpensive and easily available data recovery utilities. To completely destroy the data, it must be overwritten, sometimes not once. Such process is called *wiping*. **R-Wipe & Clean** wipes files, making their recovery virtually impossible. It also wipes stored names of deleted files, file's [alternate data streams](#), [cluster tips](#), and records of small files stored directly into NTFS Master Table.

You may wipe a single file selecting [Delete and wipe](#) on the Files and Folders shortcut menu, or several files and folders on the [Wipe Lists](#) panel.

The default file wiping settings may be set on the [Files Wiping Settings](#) tab of the [Settings](#) panel.

#### **Wiping free disk space**

Even if you have removed all deleted files, that does not mean that no data from them remain on your hard drive. If you have rewritten your files many times, for example, while editing, some previous copies of the files may still remain on the disk without a slightest notice of their existence. Also, Windows constantly writes and deletes its own [temporary files](#) on disks. Such files are not visible to users, but may contain some data from your own files and programs. Such pieces of your data still remain even after you format the disk. There are special data recover utilities that analyze unused space on disks and can restore many files that you believe to be completely wiped and deleted. **R-Wipe & Clean** wipes unused disk space, making such analysis of disk space useless.

You may wipe unused disk space on a single disk using the Wipe Free Space with R-Wipe & Clean command on the disk's shortcut menu, or on several disks at once on the [Free Drive Space](#) panel.

The default free disk space wiping settings may be set on the [Free Drive Space Settings](#) tab of the [Settings](#) panel.

### 3.4.1.1 Wiping Files

**Attention! Wiping files on SSD devices is not possible in most cases. Read the File Erasure on SSD and HDD devices page for details.**

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

**R-Wipe & Clean** deletes rather than [wipes files](#) if the **Wipe files before deleting** option on the [Settings](#) panel is disabled. Wiping files is disabled on [SSD devices](#) by default. You may enable it, but you should understand what you are doing.

#### **Wiping a Single File**

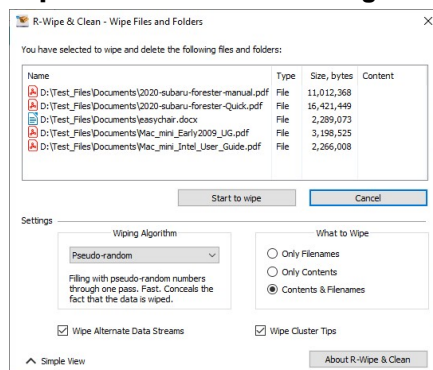
You do not have to start **R-Wipe & Clean** to wipe and delete a single file or several files. You may do this from **File Explorer**. Make sure that you have the **Wipe files and folders directly from the shortcut menu** option selected on the [Integration](#) tab of the [Settings](#) panel.

**To wipe a file or several files,**

- Select and right-click the file(s) in **Files and Folders** and select **Wipe and Delete with R-Wipe & Clean** on the shortcut menu.

The **Wipe Files and Folders** dialog box will appear.

**Wipe Files and Folders dialog box**



- Click the **Start to wipe** button, and **R-Wipe & Clean** will wipe the file(s) with default wiping settings.

If you want to change the wiping settings for this file, click the **Advanced View** button

#### **Wiping Several Files and Folders at Once**

If you want to delete and wipe several files at once, go to the [Wipe Lists](#) section for details.

#### **Wiping the Recycle Bin**

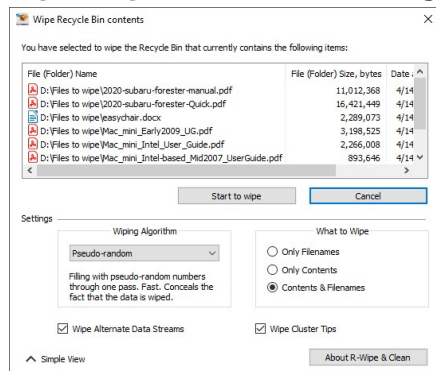
You do not have to start **R-Wipe & Clean** to wipe the contents of the **Recycle Bin**. You may do this from its shortcut menu. Make sure that the **Wipe the Recycle Bin from the shortcut menu** option on the [Integration](#) tab of the [Settings](#) panel is selected.

**To wipe the contents of the Recycle Bin,**

- Right-click the **Recycle Bin** and select **Wipe with R-Wipe & Clean** on the shortcut menu.

The **Wipe Recycle Bin contents** dialog box will appear.

### Wipe Recycle Bin contents dialog box



- Click the **Start to wipe** button, and **R-Wipe & Clean** will wipe the **Recycle Bin** with default wiping settings.

If you want to change the wiping settings for this file, click the **Advanced View** button

Default file wiping settings may be specifically set on the [Files Wiping Settings](#) tab of the [Settings](#) panel.

#### 3.4.1.2 Wipe Lists

You may specify files and folders, and registry keys or key values that will be [wiped](#) and deleted through a single wipe and delete task on the **Wipe Lists** panel. Moreover, you may store such *wipe lists* to retrieve them and wipe later. You may also include wipe lists into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) 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.

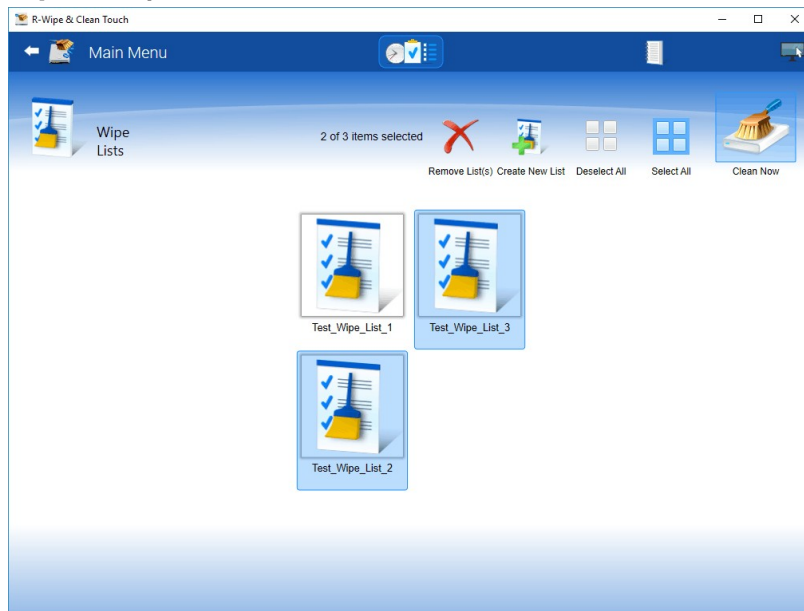
**Attention! Once wiped, a file cannot be restored! No Windows or third-party data recovery utility can do this!**

#### Wiping wipe lists

To wipe one or several wipe lists ,

- Select the **Wipe Lists** item.
- Select the required wipe list(s) and tap the **Clean Now** button.

## Wipe Lists panel



**R-Wipe & Clean** will start cleaning the contents of the wipe list(s).

### Managing wipe lists

You may also manage wipe lists from the tab of a single wipe list using the **wipe list management** buttons.

#### + More information...

<p><b>To create a new wipe list,</b></p> <ul style="list-style-type: none"> <li>• Select the <b>Wipe Lists</b> item.</li> <li>• Tap the <b>Create New List</b> button.</li> </ul> <p>A new wipe list will appear.</p>	<p><b>To remove a wipe list,</b></p> <ul style="list-style-type: none"> <li>• Select the <b>Wipe Lists</b> item.</li> <li>• Select the required list(s) and tap the <b>Remove List(s)</b> button.</li> </ul> <p><b>R-Wipe &amp; Clean</b> will remove the wipe list(s).</p>
<p><b>To rename a wipe list,</b></p> <ul style="list-style-type: none"> <li>• Select the <b>Wipe Lists</b> item.</li> <li>• Double-tap the required <b>Wipe List</b>.</li> <li>• Tap the <b>Rename List</b> button on the <b>wipe list management</b> buttons and enter a new name..</li> </ul>	<p><b>To view and edit the contents of a wipe list,</b></p> <ul style="list-style-type: none"> <li>• Double-tap the required wipe list.</li> <li>• <b>R-Wipe &amp; Clean</b> will show the content.</li> </ul>

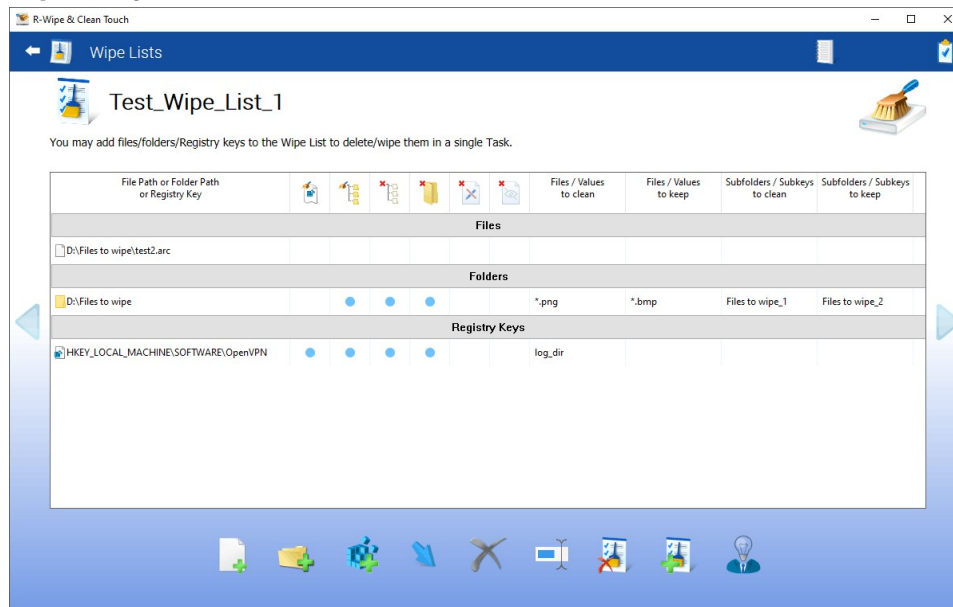
### Managing files/folders in wipe lists

You may add a file or/and folder to the current wipe list directly from File Explorer. Long-tap the file and select the **Add to the Wipe List** item from the shortcut menu. Make sure that the **Add files and folders to a wipe list from the shortcut menu** option is enabled on the [Integration](#) tab of the [Settings](#) panel.

You may add/remove files and folders to/from the list using the **file management** buttons.



## Wipe List panel

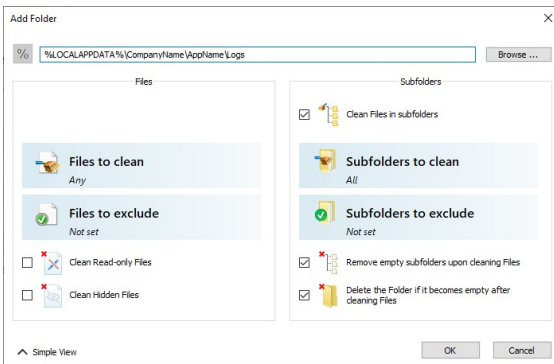


### Item Cleaning Icons

	Registry key: The value will be cleaned.
	Clean subfolders: All child subfolders will be cleaned recursively.
	Delete empty subfolders: All empty subfolders will be deleted.
	Delete folder: A folder or key will be deleted if it becomes empty.
	Delete read-only files
	Delete hidden files

When you add a folder to the wipe list, the **Add folder...** dialog box will appear. You may set a file mask for files in the folder and specify files that are not to be cleaned if they even match the file masks.

## Add folder... dialog box



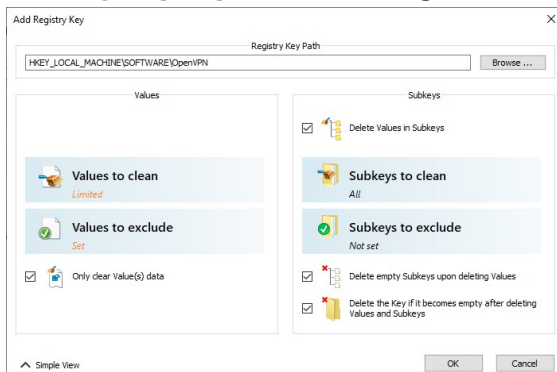
### + Add folder options

%	Adds an environment variable.
Files to clean	Specifies file masks to clean files in this folder.
Files to exclude	Specifies file masks to exclude files from cleaning in this folder
Subfolders to clean	Specifies subfolders to clean in this folder.
Subfolders to exclude	Specifies subfolders to exclude from cleaning in this folder.
Clean files in subfolders	If this option is selected, files in subfolders will be cleaned.
Remove empty subfolders upon cleaning files	If this option is selected, the folders will be deleted when its content is cleaned.
Delete the folder if it becomes empty after cleaning files	If this option is selected, the folder will be deleted if it becomes empty after cleaning files in it.
Clean Read-only Files	If this option is selected, read-only files will be cleaned, too.
Clean Hidden Files	If this option is selected, hidden files will be cleaned, too.

## Managing Registry keys in wipe lists

You may also add a key or specific value in a key from Registry that will be deleted.

### Add Registry Keys/Values dialog box



### = More information...

<p><b>To add a registry key or key values to a wipe list,</b></p> <ul style="list-style-type: none"> <li>• Double-tap the required wipe list</li> </ul>	<p><b>To remove a registry key or key values from a wipe list,</b></p> <ul style="list-style-type: none"> <li>• Double-tap the required wipe list</li> </ul>
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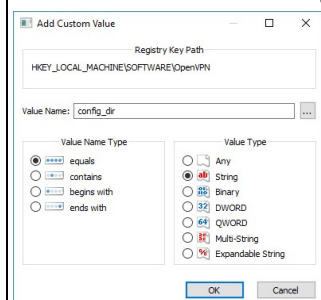
- Tap the **Add Registry Key to Wipe List** button on the **file management** buttons and select the required Registry key or separate key value on the **Add Registry Key** dialog box to add them to the wipe list.

You may add either all values in the selected key, or only specific values in it.

The added Registry keys or values will appear in the wipe list.

You may also add arbitrary custom values. Click the **Add Custom Value** button and specify the required values.

#### Add Custom Value dialog box



- Select a registry key or key values you want to remove and tap the **Remove from Wipe List** button on the **file management** buttons.

The selected registry key or key values will be removed from the list.

You may also import items from other wipe lists using the **Import** button on the **file management** buttons

Default file wiping settings may be specifically set on the [Files Wiping Settings](#) tab of the [Settings](#) panel.

#### 3.4.1.3 Wiping Free Disk Space

**Attention! Wiping free disk space for SSD devices is not required in most cases. Read the File Erasure on SSD and HDD devices page for details.**

**R-Wipe & Clean** disables [wiping free disk space](#) on such devices by default. You may enable it, but you should understand what you are doing. The only important part that should be cleaned even on an [SSD device](#) is MFT on NTFS disks. The best wiping algorithms for that are zeros or pseudo-random numbers.

Disk data you can wipe depends on your user account type and Windows version.

#### Data that can be wiped:

		System Disk		Non-System Disk	
		Free space	MFT	Free space	MFT
Windows 10	Administrator	Yes	Yes	Yes	Yes
	User (Standard Account)	Yes	No	Yes	Yes
	Guest	No	No	No	No
Windows 8/8.1	Administrator	Yes	Yes	Yes	Yes
	User (Standard Account)	Yes	No	Yes	Yes
	Guest	No	No	No	No

<b>Windows 7</b>	<b>Administrator</b>	Yes	Yes	Yes	Yes
	<b>User (Standard User)</b>	Yes	No	Yes	Yes
	<b>Guest</b>	No	No	No	No

**Attention! When a disk is wiped, all previously deleted files cannot be restored! No Windows or third-party data recovery utility can do this!**

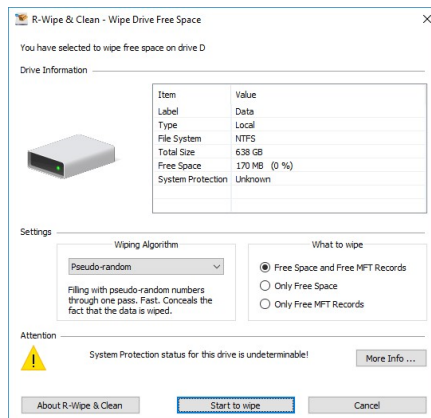
### ***Wiping free disk space on a single disk***

You do not have to start **R-Wipe & Clean** to wipe unused space on a single disk. You may do this from **File Explorer**. Make sure that the **Wipe free space directly from the shortcut** menu option is selected on the **Integration** tab of the **Settings** panel.

**To wipe unused disk space on a single disk,**

- Long tap the disk in **File Explorer**, and select **Wipe free space with R-Wipe & Clean** on the menu. The **R-Wipe & Clean** tab will appear.

#### **R-Wipe & Clean tab**



- Select the [wiping settings](#) for this disk and tap the **Wipe now** button.

**R-Wipe & Clean** will start wiping the disk, and the **Wiping** dialog box will appear showing the wiping progress. When **R-Wipe & Clean** finishes wiping, the **Report** dialog box will appear.

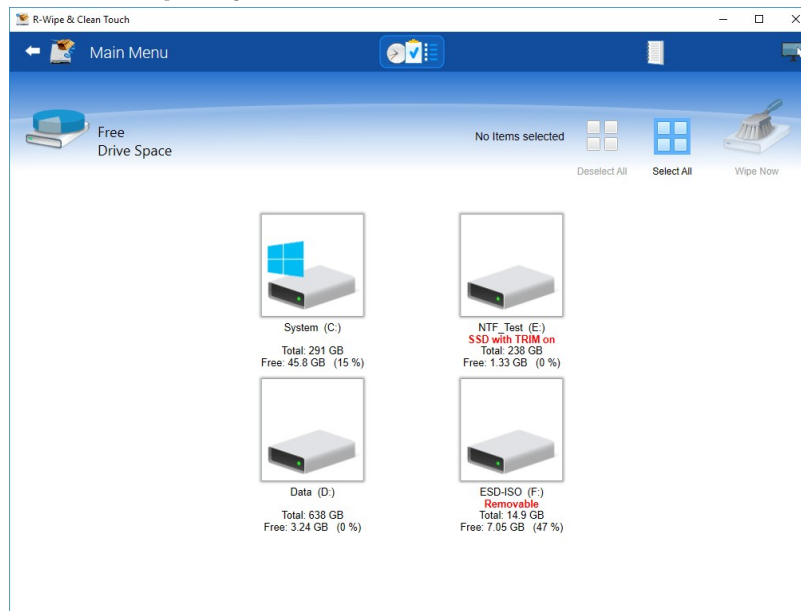
### ***Wiping free disk space on several disks***

**To wipe unused disk space on several disks,**

- Select **Free Drive Space**

The **Free Drive Space** panel will appear.

### Free Drive Space panel



- Select the disks you want to wipe.
- If necessary, change the wiping settings, and tap the **Wipe Now** button. Default disk wiping settings may be set on the [Free Drive Space Wiping Settings](#) tab of the [Settings](#) panel. To learn more about wiping algorithms, go to the [Wiping Algorithms](#) page.

**R-Wipe & Clean** will start wiping the disk, and the **Wiping** dialog box will appear showing the wiping progress. When **R-Wipe & Clean** finishes wiping, the **Report** dialog box will appear.

You may interrupt wiping. Tap the **Stop** button. Wiping will be stopped, and the **Report** dialog box will appear, showing how much of unused space has been wiped.

Disk wiping may be included into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

**Note!** Removable storage devices cannot be included into a large wipe and clean task.

### 3.4.2 Cleaning a Computer

Your computer stores very many traces of your activity like links to visited web sites or recently opened documents. It also keeps contents, such as pictures, texts, flash movies, audio files from visited web pages. 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 [caches](#) and histories will not help, as Windows stores such information in many, and not easily accessible, places. **R-Wipe & Clean** unrecoverably deletes such information and files.

All traces are divided into the following sections:

- [On-line Activity](#):
- [Personal data](#)
- [System's Own traces](#):
- [Program Traces](#)

Default cleaning settings may be specifically set on the [Files Wiping Settings](#) tab of the [Settings](#) panel.

### 3.4.2.1 Cleaning Internet Activity

You may clean your computer from many traces and links from your Internet activity that your computer stores in many places. You may include Internet activity cleaning into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

R-Wipe & Clean automatically detects most popular web browsers and shows them in its views. The list of items visible on each browser's panel can be edited on the [Customize](#) panel.

*Items that can be cleaned in various browsers and communication programs*

Browser	Items that can be cleaned
<b>Internet Explorer</b>	<ul style="list-style-type: none"> <li>• Temporary Internet Files</li> <li>• <a href="#">Cookies</a></li> <li>• <a href="#">History</a></li> <li>• Download History</li> <li>• Typed URLs</li> <li>• Form Data</li> <li>• DOM files</li> <li>• Extensions Statistics</li> <li>• Stored Favorites Order</li> </ul>
<b>Microsoft Edge (Windows 10+)</b>	<ul style="list-style-type: none"> <li>• Cache Files</li> <li>• Browsing Data</li> <li>• Typed URLs</li> <li>• Application Cache</li> <li>• Cached Certificates</li> <li>• DOM Storage</li> <li>• Internal Databases</li> <li>• Stored Website Favicons</li> <li>• Stored Recovery Information</li> <li>• <a href="#">Temporary Files</a></li> </ul>
<b>Microsoft Edge (New)</b>	<ul style="list-style-type: none"> <li>• Cache files</li> <li>• Cookies</li> <li>• Browsing History</li> <li>• Download History</li> <li>• Address Bar History</li> <li>• Stored Text in Forms</li> <li>• Stored Passwords in Forums</li> <li>• Browser Metrics Files</li> <li>• Budget Database</li> <li>• Cached Jump Lists Icons</li> <li>• Cached Script Code</li> <li>• Cached WebAssembly Code</li> <li>• Crash Reports</li> <li>• Data Reduction Statistics</li> <li>• Extension Databases</li> </ul>



- Extensions State
- GPU Cache
- Heavy Ad Intervention Statistics
- Invalid Certificates
- Language Statistics
- Media Engagement Statistics
- Media Playback History
- Microphone Usage Statistics
- Most Visited Sites Data
- Network Persistence Statistics
- Permission Notification History
- Prerendering Data
- Quota Manager Data
- Rollback Journals
- Search Engines Data
- Search History
- Server Worker Cache
- Session Databases
- Setup Metrics Files
- Site Engagement Statistics
- Stored Banner Information
- Stored Favicons
- Stored Help Session Time
- Stored Local FS Access Info
- Stored Location Permissions
- Stored NEL Data
- Stored Push Notifications
- Stored Services Network Traffic
- Stored Session Commands
- Stored Tabs Command
- Stored Translation Parameters
- Stored Website Permissions
- Stored Zoom Data
- Sync Logs
- Tracking Preventions Data
- Tracking Relationship Data
- Update Files
- Update Logs
- Web Application Daily Metrics
- Web Apps File System's Files
- Webcam Usage Statistics
- WebRTC Logs

	<ul style="list-style-type: none"> <li>• Website Loading Statistics</li> <li>• Browsing Data</li> <li>• Cached Files</li> <li>• Typed URLs</li> <li>• Application Cache</li> <li>• Cashed Certificates</li> <li>• DOM Storage</li> <li>• Internal Databases</li> <li>• Stored Website Favicons</li> <li>• Stored Recovery Information</li> <li>• Temporary Files</li> <li>• Session Event Log</li> <li>• Stored Usage Statistics</li> <li>• Website Redirecting Statistics</li> <li>• Installer Files</li> <li>• Site Characteristics Database</li> <li>• Stored Printing Information</li> <li>• Web Engine Navigation History</li> <li>• Stored Profiles in Forms</li> <li>• Allowed Web Launch Apps Data</li> <li>• Website Databases</li> <li>• Stored Form Filling Metadata</li> <li>• Developer Tools Recent Files</li> <li>• Stored Web App Commands</li> <li>• Stored Client Hints</li> <li>• Manager Diagnostics Log</li> <li>• Stored Assistance Data</li> <li>• LevelDB Databases</li> <li>• Stored PDF View Info</li> <li>• SmartScreen Download Data</li> <li>• SmartScreen URI Data</li> <li>• Stored Bounce Tracking Data</li> <li>• CRX Package Cache</li> <li>• MAM Log</li> <li>• Stored Media Devices Salts</li> <li>• Databases Old Logs</li> </ul>
<b>Mozilla Firefox</b> Lunascape Waterfox Basilisk Comodo IceDragon Pale Moon	<ul style="list-style-type: none"> <li>• Cached Files</li> <li>• Cookies</li> <li>• Browsing History</li> <li>• Download History</li> <li>• Stored Text in Forms</li> <li>• Stored Passwords</li> </ul>

	<ul style="list-style-type: none"><li>• Cached Jump Lists Icons</li><li>• Crash Minidump Files</li><li>• Crash Reports</li><li>• DOM Storage</li><li>• FHR Performance Measures</li><li>• Indexed Databases</li><li>• Stored Favicons</li><li>• Stored HSTS Cookies</li><li>• Stored Installation Timestamps</li><li>• Stored Session Information</li><li>• Stored Timestamps</li><li>• Stored Webpage Thumbnails</li><li>• Telemetry Reports</li><li>• Update Logs</li><li>• Overridden Certificates</li><li>• Stored Push Notifications</li><li>• Mozilla Maintenance Service Logs</li><li>• Storage Usage Statistics</li><li>• Enhanced Tracking Protection Statistics</li><li>• Registered Service Workers</li><li>• Stored Frecency</li><li>• Stored Website Permissions</li><li>• Stored Website Preferences</li><li>• Sync Event Log</li><li>• Stored Usage Statistics</li><li>• Used Devices</li><li>• WebRenderer Shader Cache</li><li>• Stored Alternative Services Data</li><li>• Stored App Handling</li><li>• Settings Sync History</li><li>• Update Trash</li><li>• Stored Glean Metrics</li><li>• Top Frecent Websites</li><li>• Stored Recovery Data</li><li>• Stored BgTasks HSTS Cookies</li></ul>
<b>Opera</b> <b>Opera GX</b>	<ul style="list-style-type: none"><li>• Cached Files</li><li>• Cookies</li><li>• Browsing History</li><li>• Download History</li><li>• Stored Text in Forms</li><li>• Stored Passwords</li><li>• Cached Jump Lists Icons</li></ul>

- Cached Script Code
- Extensions Databases
- Media Engagement Statistics
- Network Persistence Statistics
- Prerendering Data
- Quota Manager Data
- Rollback Journals
- Service Worker Cache
- Site Engagement Statistics
- Stored Favicons
- Stored Website Permissions
- AutoUpdate Log
- Stored Zoom Data
- Backup Files
- Bookmarks Trash
- Cached WebAssembly Code
- Debug Logs
- GPU Cache
- Media Playback History
- Microphone Usage Statistics
- Permission Notification History
- Previous Versions Backup
- Sidebar Elements Usage Data
- Stored Location Permissions
- Stored NEL Data
- Stored Push Notifications
- Stored Session Commands
- Stored Tabs Commands
- Stored Usage Statistics
- Recent Tabs
- Removed Suggestions
- Stored Printing Information
- Temporary Files
- Webcam Usage Statistics
- Website Databases
- Stored Client Hints
- Allowed Web Launch Apps Data
- Assistant Statistics
- Developer Tools Recent Files
- Assistant Logs
- Stored Suggestion Data
- Search History

	<ul style="list-style-type: none"> <li>• Session Event Log</li> <li>• Crash Reports</li> <li>• Stored Banner Information</li> <li>• Browser Metrics Files</li> <li>• Browser Metrics Files (Opera GX)</li> <li>• Web Applications Daily Metrics</li> <li>• Stored Bounce Tracking Data</li> <li>• CRX Package Cache</li> <li>• Stored Media Devices Salts</li> <li>• HTTP Allowed Sites Info</li> </ul>
<b>Google Chrome</b> Brave Comodo Dragon SRWare Iron Vivaldi Opera Neon Torch Slimjet	<ul style="list-style-type: none"> <li>• Cache Files</li> <li>• Cookies</li> <li>• Browsing History</li> <li>• Download History</li> <li>• Address Bar History</li> <li>• Stored Text in Forms</li> <li>• Stored Passwords in Forms</li> <li>• Cached Jump Lists Icons</li> <li>• DNS Prefetching Data</li> <li>• Extensions Databases</li> <li>• Extensions State</li> <li>• Flash Player Cache</li> <li>• GPU Cache</li> <li>• Media Cache</li> <li>• Media Engagement Statistics</li> <li>• Most Visited Sites Data</li> <li>• Prerendering Data</li> <li>• Quota Manager Data</li> <li>• Rollback Journals</li> <li>• Search Engines Data</li> <li>• Search History</li> <li>• Session Databases</li> <li>• Site Engagement Statistics</li> <li>• Stored Favicons</li> <li>• Sync Data</li> <li>• TLS Certificates</li> <li>• Web Apps File System's Files</li> <li>• Web Databases</li> <li>• Budget Database</li> <li>• Service Worker Cache</li> <li>• Site Characteristics Database</li> <li>• Software Reporter Tool Logs</li> </ul>

- Network Persistence Statistics
- Extensions Cookies
- Language Statistics
- Setup Metrics Files
- Stored Website Permissions
- Update Files
- Invalid Certificates
- Stored Push Notifications
- Webcam Usage Statistics
- Microphone Usage Statistics
- Stored Zoom Data
- Browser Metrics Files
- Cached Script Code
- Stored Banner Information
- Cached WebAssembly Code
- Data Reduction Statistics
- Debug Log
- Heavy Ad Intervention Statistics
- Media Playback History
- Permission Notification History
- Stored Local FS Access Info
- Stored Location Permissions
- Stored NEL Data
- Stored Services Network Traffic
- Stored Session Commands
- Stored Sound Playback Settings
- Stored Tabs Commands
- Stored Translation Parameters
- Temporary Files
- Web Applications Daily Metrics
- Session Event Log
- Stored Usage Statistics
- Recent Tabs
- Removed Suggestions
- Stored Printing Information
- Temporary Files
- Webcam Usage Statistics
- Stored Client Hints
- Databases
- Allowed Web Launch Apps Data
- Stored Form Filling Metadata
- Developer Tools Recent Files



	<ul style="list-style-type: none"> <li>• Safe Browsing Event Timestamps</li> <li>• Safe Browsing Cookies</li> <li>• Stored Trust Tokens</li> <li>• LevelDB Databases</li> <li>• Update Usage Statistics</li> <li>• Stored Idle Detection Data</li> <li>• Optimization Guide Service Files</li> <li>• Crash Reports</li> <li>• Stored Bounce Tracking Data</li> <li>• Browsing History Journeys Data</li> <li>• Permission Auto-Revocation Data</li> <li>• Backup Files</li> <li>• CRX Package Cache</li> <li>• Stored FedCM IdP Data</li> <li>• Stored Interest Groups Data</li> <li>• Stored Media Devices Salts</li> <li>• Stored Cookie Controls Metadata</li> <li>• Stored Segmentation UKM</li> <li>• HTTP Allowed Sites Info</li> <li>• Stored Topics API Data</li> <li>• Stored Popups Data</li> <li>• Allowed Automatic Downloads</li> <li>• 3PCD Heuristics Grants</li> </ul>
<b>Skype</b>	<ul style="list-style-type: none"> <li>• Chat History</li> <li>• Call History</li> <li>• Stored Chat Properties</li> <li>• Stored Emoticons Information</li> <li>• Stored File Transfer Information</li> <li>• Stored Media Documents Information</li> <li>• Stored Media Transfer Information</li> <li>• Stored Video Devices Information</li> <li>• Voice Mail Records</li> <li>• Cache Files</li> <li>• Emoticons Cache</li> <li>• Media Transfer Cache</li> <li>• Cookies</li> <li>• Sent SMS messages</li> <li>• Unauthorized Contacts</li> <li>• Auxiliary Traces</li> <li>• Business Intelligence Statistics</li> <li>• Internal Database</li> <li>• Cached Certificates</li> </ul>

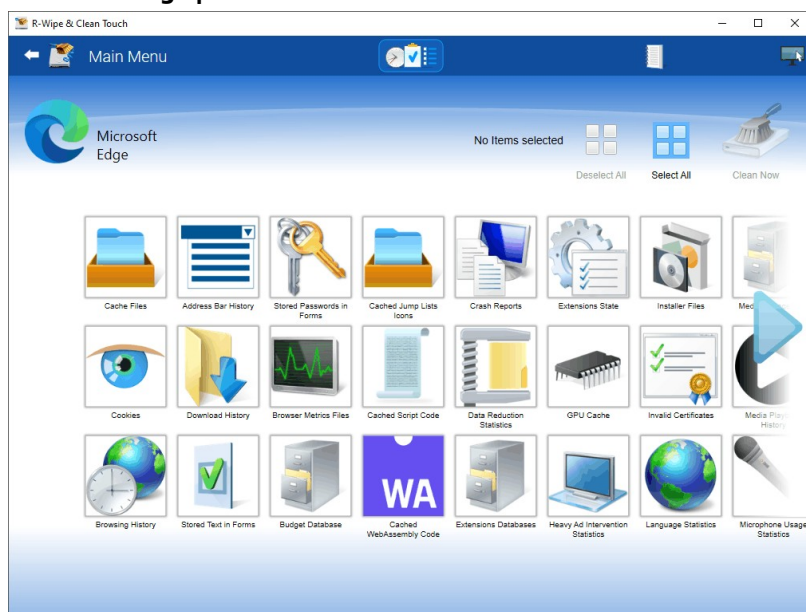
- Rollback Journals
- Logs

### To clean traces of Internet activity,

- Select the required browser.

The browser's panel appears. Depending on the browser, the content of its panel may vary.

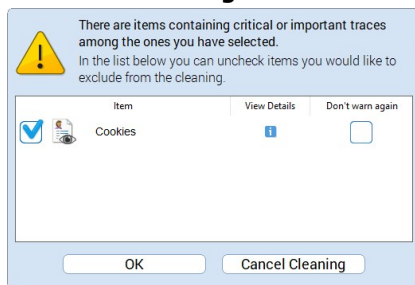
#### Microsoft Edge panel



- Select the required items and tap the Clean Now button.

The browser section may contain some critical items that may affect browser performance. **R-Wipe & Clean** will throw a warning about those items if you select the entire browser section.

#### Critical Item warning



- Select these items only if you completely understand what you are doing.

When **R-Wipe & Clean** finishes cleaning, the **Report** dialog box will appear showing cleaning results.

#### More information on the items in Microsoft Edge

Depending on your browser, contents may vary. Below are the items for Microsoft Edge	
Cache Files	The Microsoft Edge web browser keeps content, such as pictures, texts, flash movies, audio files, from all web pages you visited.
Browsing Data	The Microsoft Edge browser stores cookies (small files that web sites store on your computer for identification purposes), History, logs, etc.
Typed URLs	The Microsoft Edge browser can store URLs you typed in the address field.

Application Cache	The Application Cache makes it possible for the system to access a web application without a network connection and to work with it faster.
Cached Certification Files	Your system stores a cache of Certification Revocation Lists (CRL), Certificate Trust Lists (CTL), Certificates, and other documents used to authenticate web site certificates.
Cached DOM Files	Some webpages can be implemented using the DOM (Document Object Module) technology. This list shows you web addresses of such webpages cached in your system.
Internal Databases	The Microsoft Edge web browser can create various databases for its own use (diagnostics, updates, etc.)
Stored Favicons	The Microsoft Edge web browser can store favicons of visited websites.
Stored Recovery Information	The Microsoft Edge browser can store some information about the current session that can be used for recovery in case of an application crash.
Temporary Files	List of temporary files created by the Microsoft Edge web browser.

#### **More information on the items in Internet Explorer**

Depending on your browser, contents may vary. Below are the items for Internet Explorer	
Temporary Internet Files	Your system keeps content, such as pictures, texts, flash movies, audio files, of all web pages visited by you in the this folder.
Cookies	Cookies are small files that web sites store on your computer for identification purposes. You may keep cookies from your favorite sites. You may also see their content. If you do not want to delete cookies from your favorite sites move them to <b>Favorites</b>
History	You computer stores links to each web site visited by you in this folder.
Download History	Web browsers store links to files you have downloaded from those browsers.
Typed URLs	Your computer stores URL addresses of most recently viewed pages. You can view them in the drop-down list of the address bar of your internet browser.
Form Data	Information you might enter when filling in web forms.
DOM Storage	Some webpages can be implemented using the DOM (Document Object Module) technology. This list shows you web addresses of such webpages cached in your system.
Extensions Statistics	Internet Explorer stores information about using its add-ons such as ActiveX controls, browser helper objects, or toolbars.
Stored Favorites Order	Internet Explorer stores the order of Favorites menu items. When cleaning the tree, you do not remove Favorites menu, only its cached copy.

#### 3.4.2.2 Cleaning Personal Traces

You may clean various logs, caches, [temporary files](#), and very many traces of your activity in the system.

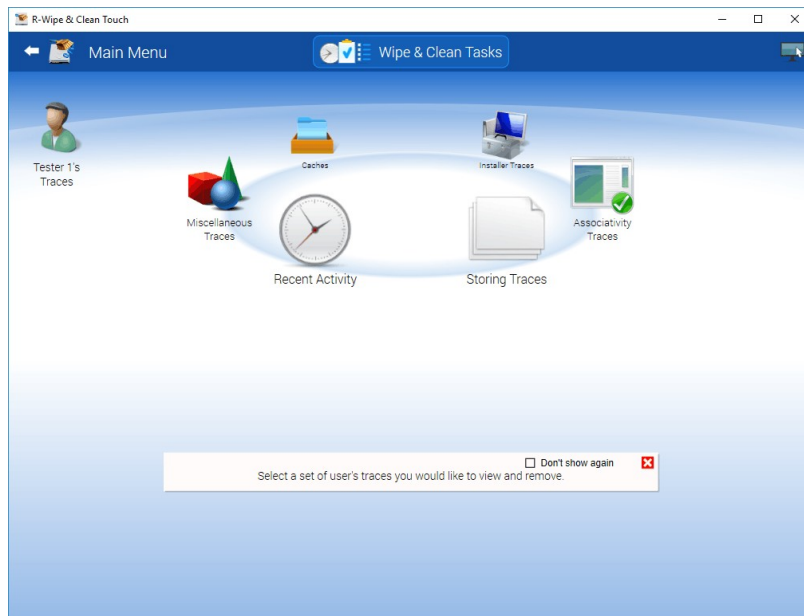
You may include personal traces cleaning into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

The list of items visible on the **Personal Traces** panel can be edited on the [Customize](#) panel. These items are user-specific, their contents are individual for each user.

**To clean your personal traces ,**

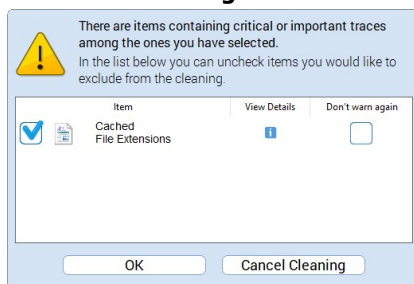
- Select the icon with your login name.  
The **Personal traces** panel appears.

### Personal traces panel



- Go to the required section(s) and select the required items.  
The section may contain some critical items that may affect system performance. **R-Wipe & Clean** will throw a warning about these items if you select the entire section.

### Critical Item warning



Select these items only if you completely understand what you are doing.

- Tap the **Clean Now** button.

**R-Wipe & Clean** will start cleaning the computer, and the **Deleting and wiping** dialog box will appear showing the progress of cleaning.

### Personal traces are divided into six parts:

#### Recent Activity: More Information...

This part allows you to inspect and clean your various recent traces like recently run applications, recent documents, recently visited web sites, etc. Most of these traces are stored in the Registry.	
Recent Applications	List of links to recently used applications. <b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.
Recent Documents	List of links to recently opened documents (registered file types). This list appears in Documents on the Start menu and includes all documents opened in the system, directly from programs, Files and Folders, by tapping desktop icons, etc. <b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.
Jump Lists	Shortcuts to pinned and recently opened files, folders, or websites. They may appear either on the Taskbar or Start menu. <b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.
File Explorer Jump List	Shortcuts to recently opened files, folders, or websites in File Explorer or its GUI components like Open or Save dialogs. Any folders in this list pinned to Quick access

	will be unpinned. <b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.
Jump Lists Program History	A list of applications launched from the Search Results displayed as Jump Lists.
Open File History	List of links to files recently opened directly from programs (on the <b>Open File</b> dialog box). Those files do not include files opened from File Explorer, by taping desktop icons, etc. <b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.
Shell File History	Your system stores history of files opened with various Windows Shell components. <b>Attention!</b> When deleting and wiping the cache, you <b>do not remove</b> the extensions, only their cached copies.
Activity History (Windows 10+)	Activity history helps keep track of the things you do on your device, such as the apps, and services you use, files you open, and websites you browse.
Dialog Box Traces	Many application use common dialog boxes, for example, to open and/or save a file. Your system stores various information after using those dialog boxes in the applications.
SmartScreen File Information	The log of downloaded files that the SmartScreen service examined.

**Storing Traces: More Information...**

This part allows you to inspect and clean some data (mostly insignificant) of your recent activity. Most of these traces are stored in the Registry.	
Recent Network folders	List of links to recently opened network folders.
Stored addresses of unread mail	Your system stores addresses and other information for unread messages received in e-mail clients.
Stored Application Descriptions	Your system stores a list of application descriptions and their paths for applications that have started at least once.
Stored Applications Compatibility Settings	Your system stores various compatibility settings for already removed applications.
Stored Browser Plugins Information	Your system stores some information about web browser plugins already removed applications.
Stored Control Panel Extensions	Your system stores some information about Control Panel Extensions. <b>Attention!</b> When cleaning the cache, you <b>do not remove</b> the extensions, only their cached copies.
Stored Custom GPU Settings (Windows 10+)	Your system stores some settings of applications that could customize graphics performance. They may have already been removed but their settings may remain.
Stored Desktop Shortcut Paths	Your system stores Desktop shortcut and target paths to applications removed from the system.
Stored Explorer View Settings	Your system stores a list of folders for which you changed settings in the View menu in Files and Folders
Stored File Virtualization	Your system stores a list of files that require administrative privileges to change. Your system will virtualize them if some programs tries to change them without sufficient privileges.
Stored FTP Accounts	Your system stores information used to connect to FTP sites
Stored FTP Folders	Your system stores links to FTP folders you visited in File Explorer itself or programs using it as an FTP client.

Stored Microphone Usage Info (Windows 10+)	Your system stores some information about microphone usage in various applications.
Stored Mounted Volumes	Your system stores some information about volumes located on external media.
Stored Notification Display Info (Windows 8+)	Your system stores some settings for displaying notifications of applications already removed from the system.
Stored Notification Settings (Windows 10+)	Your system stores some information about notifications.
Stored Programs DOM Data	DOM (Document Object Model) data of the applications that use system's web browser.
Stored Quick Launch Shortcuts	The Quick Launch bar is not used in Windows since Windows 7, but some applications still can create their Quick Launch shortcuts in any Windows shell.
Stored Registry Virtualization	Your system stores some information about the virtualization of some Registry keys that require administrative privileges for changing their values and subkeys, and some applications running without such privileges try to change them.
Stored Shell Activity	Your system stores some information about programs launched via System shell.
Stored Sound Properties	Your system stores sound properties of some applications
Stored Sound Schemes	System stores the sound schemes of removed applications.
Stored Start Menu Items	In the All Programs part of the Start Menu, your system may store some items (like shortcuts and folders) linked to applications that have already been removed from the system.
Stored Startup Applications Info	Your system stores some information about applications launched during system logon and which have already been removed from the system.
Stored UWP Programs Window	Your system stores main window screen position of the UWP (Universal Windows Platform) programs and games already removed from the system.
Stored Webcam Usage Info (Windows 10+)	Your system stores some information about webcam usage in various applications.
Stored Web Credentials	Your system stores some information, such as user names and passwords used to log on to websites.
Stored Windows Credentials	Your system stores some information, such as user names and passwords used to log on to other computers on a network.
Taskbar Badges Update Statistics	Your system stores the number of program switching on the Taskbar
Taskbar Button Click Statistics	The number of times Taskbar has been clicked.
Taskbar Favorites Statistics	Various data about the Taskbar Favorites usage
Taskbar Jump View Statistics	Your system stores the number of displays of Jump Views for each program on the Taskbar



Taskbar Jump View Statistics	Your system stores the number of displays of Jump Views for each program on the Taskbar.
Taskbar Program Switching Statistics	Your system stores the number of program switching on the Taskbar.

**Associativity Traces: More Information...**

This part allows you to inspect and clean information of file type association (file types, protocols, etc.) for already removed applications. Most of these traces are stored in the Registry.	
Stored COM Class Identifiers	Your system can keep the Class Identifiers of COM objects in already removed applications.
Stored Custom File Type Associations	Your system can store custom associations of file types with applications already removed from the system. <b>Attention!</b> Only extensions with "Yes" in the "Will be Deleted" column will be unregistered (removed). Only links to other applications already removed from the system will be deleted.
Stored File Types	Your system can keep the file name extensions associated with already removed applications..
Stored MIME Types	Your system stores MIME types registered by already removed applications.
Stored Program Identifiers	System stores the program identifiers of removed applications.

**Installer Traces: More Information...**

This part allows you to inspect and clean information from various installers and clean traces left after uninstalling applications. Most of these traces are stored in the Registry.	
App Installer Traces	Your system can store information from Microsoft App Installer that makes sideloading Microsoft Store apps easy.
Stored Installation Information	Your system can store information from the distribution kits of already removed applications.
Stored Installer Components Paths	Windows Installer stores paths used during the installation of some programs or services.
Stored Installer Packages	You system can store Windows Installer package files (with patches) of already removed applications.
Stored Installer Registry Keys	Windows Installer stores the Registry key names used during the installation of some programs or services.
Stored UWP Programs Uninstall Time	You system can store the time of the UWP (Universal Windows Platform) programs and games uninstall.
Store Policy Check Cache	Each UWP (Universal Windows Platform) program is checked for compliance with Microsoft Store policies during installation.
Suggested UWP Programs	You system may suggest you to install various UWP (Universal Windows Platform) programs and games.
WWEP Traces (Windows 10 and higher)	You system stores information about Windows Web Experience pack, a system that updates core web components used by Store applications.

**Caches: More Information...**

This part allows you to inspect and clean some <a href="#">data caches</a> . Some caches will be created again.	
Cached Certificates	Cached certificate files used for authentication and data encryption. Included are certificates and Certification Revocation Lists (CRL). Cleaning this cache removes cached copies, not the original files.

Cached GDI+ Fonts	Your system stores a cache of GDI+ fonts installed in the system <b>Attention!</b> When deleting and wiping the cache, you <b>do not remove</b> the files, only their cached copies.
Cached Icons	Your system stores a cache of icons of applications that have started at least once to show them faster in Taskbar, Desktop, Start menu, and Program Icons. <b>Attention!</b> When deleting and wiping the cache, you <b>do not remove</b> the files, only their cached copies.
Cached Shell Extensions	Your system stores some information about Shell Extensions (like added shortcut menu items, etc.) of various applications that are installed in the system. <b>Attention!</b> When deleting and wiping the cache, you <b>do not remove</b> the extensions, only their cached copies.
Cached Web Content	A cache of various web content (web pages, images, sounds, video, animations, etc) viewed in applications that use system components for viewing web content.
Direct3D Shader Cache	A cache of the Direct3D Shader Caching Library files.
Feeds Cache	A cache of web feeds created by some applications.
GPU Shader Cache	A cache of a shader, a program that runs on the system's Graphic Processing Unit (GPU) to perform specific graphic rendering tasks.
Notification Cache	Your system creates notification cache for the applications pinned to the Start screen.
Security Token Service Cache	Files cached by the Security Token Service.
Thumbnail Caches	For faster access, your system stores several caches of various thumbnail images from certain files. <b>Attention!</b> When deleting and wiping the cache, you <b>do not remove</b> the files, only their cached copies.
Windows Search Databases	Your system stores a cache of files with the detailed information about files used by Windows to perform very fast search among most popular files on the computer. <b>Attention!</b> When deleting and wiping the cache, you <b>do not remove</b> the extensions, only their cached copies.

#### Miscellaneous Traces: More Information...

This part allows you to inspect and clean some miscellaneous traces from various sources. Cleaning these traces may give you some sufficient drive space.	
Temporary Files and Folders	List of temporary files and folders created by your various programs.
AAD Broker Plugin Traces (Windows 10+)	The Azure Active Directory (AAD) Broker Plugin is needed for Windows Store Sign in and/or App Installs in that to free apps can be installed without signing in.
Clipboard content	Clipboard content.

Common Language Runtime Logs	Your system stores various logs created by the Common Language Runtime (CLR) component of the .Net Framework. You may see file content by tapping it.
Crash Dumps	Your system stores application's memory dumps created during the application crash. These memory dumps help the application developers to determine the causes of the crashes.
Explorer Diagnostics Logs	Your system stores diagnostics logs for Windows Explorer. These logs store information that can be used for troubleshooting.
HAM Commit History (Windows 10+)	The history of Host Activity Manager (HAM) that manages the state of a packaged application.
Invalid Desktop shortcuts	List of shortcuts that are on your Desktop but not linked to any existing objects. There are two types of invalid Desktop shortcuts: 1. Invalid shortcuts to objects on hard disks. Most probably they are linked to deleted objects. They are selected by default and will be removed if Invalid Desktop Shortcuts is selected. If you want to keep the links in the system, clear the links to the objects. 2. Invalid shortcuts to objects on removable disks. Most probably they are linked to objects on removable disks that are not present in your system at the moment. They are not selected by default and will not be removed Invalid Desktop Shortcuts is selected. If you want to remove the links from the system, select the links to the objects.
Network Diagnostic Logs	Diagnostic logs for troubleshooting of networks
Problem Reports	List of programs that caused problems to Windows. You may long tap an item to see its report.
Recycle Bin	List of files and folders stored in the Recycle Bin.
System Registry traces	Registry records of items used by system (mapped network drives, attached devices, etc.) Empty registry traces lists are dimmed.
SSO Authentication traces	Your system stores files from the Single Sign-On web service that allows you to use single authentication for any of your Windows devices and Microsoft services.
Startup Menu Experience Host Traces	Your system stores traces from Start Menu Experience Host Traces helps the Start menu in Windows computers to run smoothly and independently, thus removing any chances of errors or crashes associated with the Startup menu
Stored Environment Variables	Your system stores a number of environment variables created by already removed applications.
Store Locations of Type Libraries	Your system stores locations of type libraries that store information about COM objects from already removed applications.
Sync Traces	Traces of content and setting syncing through your Microsoft account.
Visual Studio App Center Log	Logs of the Visual Studio App Center, services for building, testing, releasing, and monitoring of mobile and desktop applications.
Web Content Databases	Databases of viewed web content. <b>Attention!</b> It's recommended to remove these databases together with Temporary Internet Files, <a href="#">Cookies</a> , and History of Internet Explorer.
WebView Traces	The Microsoft Edge-based WebView control can be used in modern Windows applications to display web content instead of the old IE-based control.
Windows Update Log	The log of updates that your system downloaded and automatically installed.

### 3.4.2.3 Cleaning System's Own Traces

You may clear system traces such as registry traces, temp files, system history, [caches](#), and various log files. You may see the contents of any particular item on its respective panel.

You may also include system's own traces cleaning into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

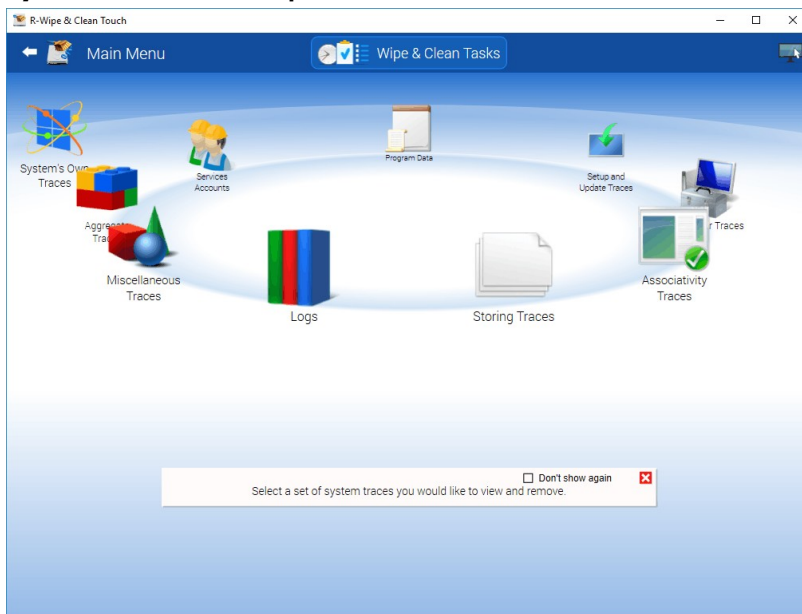
The list of items visible on the **System** panel can be edited on the [Customize](#) panel.

**To clean traces of system activity,**

- Select the **System's Own Traces** item.

The **System** panel will appear.

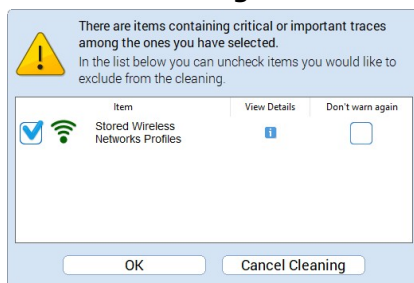
#### System's Own Traces panel



- Go to the required section(s) and select the required items.

The section may contain some critical items that may affect system performance. **R-Wipe & Clean** will throw a warning about these items if you select the entire section.

#### Critical Item warning



Select these items only if you completely understand what you are doing.

- Tap the **Clean Now** button.

**R-Wipe & Clean** will start cleaning the computer, and the **Deleting and wiping** dialog box will appear showing the cleaning progress.

**System traces are divided into nine parts:**

You may read more about these items in the **R-Wipe & Clean Classic** help.

**Logs: More Information...**

This part allows you to inspect and clean various logs created by various system components. Quite often you may gain some free drive space upon removing these logs.	
BLB Service Events Log	Event logs of the BLB (Block Level Backup) Engine Service.
Boot File Repair Log	Event log the Boot File Servicing Utility for Boot File Repair.
Component-Based Servicing Log	A log file of the Windows Component-Based Servicing activity that may help in troubleshooting.
Delivery Optimization Service Events Logs	Delivery Optimization Service Events Log created by the delivery optimization service for troubleshooting.
Deployment Image Service and Management Log	Deployment Image Service and Management Log Microsoft (DISM) tools can create a log to assist in troubleshooting.
Diagnostics Logs	Your system creates several log files that assist in troubleshooting. Double-click a file to view its content.
Disk Recovery Logs	Your system creates some diagnostics and event logs for disk recovery events.
Event Logging Diagnostic Logs	Your system creates diagnostic log files of the Event Logging component.
LSA Events Logs	Log files from the LSA (Local Security Authority) service that validates local and remote sign-ins to enforce local security policies. Those files are used to assist in troubleshooting.
Measured Boot Logs	Your system creates a log file that assist in Measured Boot troubleshooting. The Measured Boot feature that provides antimalware software with a trusted log of all boot components to determine whether the component is clear or infected with malware.
.NET Framework Logs	Microsoft .Net tools and services may create logs to assist in troubleshooting. Double-click a file to view its content.
Network Setup Service Events Logs	Network Setup Service Events Logs created by the network setup service to assist in troubleshooting of network driver installation.
Program Install Logs	Logs of program installation used to check compatibility.
SAM Events Logs	Logs of the SAM (Security Account Manager) events. SAM is used to authenticate local and remote users.
Server-initiated Healing Events Logs	Server-initiated Healing Events Logs created by the Windows Update service to assist in troubleshooting.
Services Logs	Services may create log files that assist in troubleshooting.
MS DTC Service Trace Logs	Your system creates trace logs of the Microsoft Distributed Transaction Coordinator (DTC) service that coordinates transactions between databases, message queues, file systems, and other resources.
NDF Logs	Logs of Network Diagnostics Framework (NDF) that provides a way for users to diagnose and repair network problems using a single troubleshooting tool.
Sleep Study Events Log	The log of events created by Sleep Study tool that identifies sources of battery drain during computer's sleep time.
Startup File Renaming Log	A log containing a list of files that Windows renames during its startup. May help in troubleshooting.
Storage Group Policy Log	A log of Storage management performed using Group Policy.

System Restore Event Log	An event log of the System Restore service that can assist in troubleshooting.
Tracing Logs	Your system can create various tracing logs that may assist in troubleshooting.
WDI Diagnostic Log	Log of Windows Diagnostic Infrastructure (WDI) that help to detect, diagnose and solve common problems with a minimum user interactions.
WDI Events Log	Event log of Windows Diagnostic Infrastructure (WDI) that help to detect, diagnose and solve common problems with a minimum user interactions.
WDI Startup Logs	Logs of Windows Diagnostic Infrastructure (WDI) that store information about applications launched during system startup to assist in troubleshooting.
Windows Events Log	Your system keeps a log of Windows events (System, Security, and Applications). You may edit the list of items you want to view. Right-click the header and change the list of items to show.
Windows Firewall Log	Your system keeps a log of the Windows built-in firewall. You need to restart your system to start wiping this log. You will be prompted to restart your system or to delay wiping until the next restart.
WinRE Logs	Your system keeps a log of the Windows Recovery Environment (WinRE) that can repair common causes of unbootable operating systems.
WIP Logs (Windows 10+)	Your system keeps a log of the Windows Information Protection (WIP) that can protect against enterprise data leakage through apps and services like email, social media, and public clouds that are outside of the enterprise control.
WMI Logs	Windows Management Instrumentation (WMI) and WMI providers create several log files that assist in troubleshooting.
AAD Events Log (Windows 10+)	Your system keeps an event log of Azure Active Director (AAD) that provides common identity and access capabilities to all web services.
AAD User Device Registration Log (Windows 10+)	The Azure Active Directory (AAD) is a Microsoft cloud-based identity and access management service which helps a company's employees sign in and access both the external and internal resources of the company.
AppID Events Log	An event log of actions with AppIDs.
Application Experience Events Log	Application Experience Service creates an event log of software updates to programs to ensure they run on newly released Windows versions.
Application Server Events Log	An event log of Application Server, an integrated environment for deploying and running custom, sever-based business applications.
AppLocker Executable Events Log	An event log of AppLocker that allows or denies application execution.
AppLocker Script Events Log	An event log of AppLocker that allows or denies script execution.
AppModel Runtime Events Log	The AppModel Runtime Events Log stores the events of Universal Windows Platform applications.
App Readiness Diagnostics Log	The log of the App Readiness Diagnostics, the service that makes apps ready for use them the first time when the user signs in to PC or when adding a new app



APP Readiness Service Log	The log of the App Readiness Service that makes apps ready for use them the first time when the user signs in to PC or when adding a new app.
AppX Deployment Server Events Log	The AppX Deployment Server Events Log stores the events of AppX Deployment Server during updating Store applications.
AppX Deployment Service Events Log	The AppX Deployment Service Events Log stores the events of AppX Deployment Service during deploying Store applications.
AppX Packaging Events Log	Your system can create a log of events that occurred with Microsoft Store application packages
AppX Restricted Deployment Log	Your system can create a log of restricted operations events that occurred with Microsoft Store application packages
AppX Undocked DEH Events Log (Windows 10+)	The event log of the Deployment Extension Handler (DEH) allowing apps to access extensibility points in the system. An undocked DEH ships outside of an OS release.
Audio Devices Events Log	Your system can create a log of events that occurred in various audio devices in the system.
Authentication UI Events Log	Your system can create a log of events that occurred during user authentication via user interface (UI).
Audio Glitch Detection Log	The Audio Glitch Detection Log stores events of audio glitches made by Windows Audio Service.
Audio Playback Log	The Audio Playback Log stores a list of audio playbacks by the Windows Audio service.
Azure Setting Sync Events Log (Windows 10+)	The Azure Setting Sync Events Log stores information about this cloud service used for managing applications and services through Microsoft-managed data centers.
Backup and Restore Debug Log (Windows 10+)	The Backup and Restore Debug Log stores debug information that can be used to assist in troubleshooting.
BDP Tool Events Log	The log of the BitLocker Drive Preparation (BDP) Tool is used to prepare the computer for BitLocker Drive Encryption.
BitLocker Events Log	The event log of BitLocker, a data protection feature that encrypts system and data volumes.
BITS Events Log	The Background Intelligent Transfer Service (BITS) creates a log of background file transfers.
BranchCache Service Events Log	The BranchCache Service Events Log stores information about cached network content from peers on the local subnet.
BTIS Events Log	The Background Tasks Infrastructure Service (BTIS) controls the background tasks to run in the the system.
CHAP Events Log	The log of events of the Challenge Handshake Authentication Protocol (CHAP) used to authenticate the user in PPTP-based networks.
Client License Service Events Log	The Log of Client License service that provides infrastructure support for Microsoft Store.

Cloud Recovery Events Log (Windows 10+)	The Log of Cloud Recovery that enables you to reset your computer with files downloaded from Microsoft rather than the installation files stored on your local computers.
CloudStore Events Log (Windows 10+)	The Log of CloudStore component used by OpenDrive.
Code Integrity Events Log	The Log of Code Integrity, a Windows mechanism that authenticates the integrity and source of executable images (applications, DLL, drivers, etc.) by validating a digital certificate contained within the image resources.
Core Application Events Log	The System Core Application system component creates a log of Universal Windows Platform application events.
Data Integrity Recovery Events Log	An event log of recovering fault-tolerant volumes.
Data Integrity Scan Events Log	An event log of scanning fault-tolerant volumes for latent corruptions.
Date and Time Control Panel Events Log	An event log of the Date and Time Control Panel.
Default Programs Events Log (Windows 10+)	The event log of default program assignments for certain file types and protocols.
Device Install Service Events Log	The event log of the Device Install service that allows the computer to recognize hardware changes and adapt the system to them with little or no interactions with the user.
Device Setup Events Log	The Device Setup Manager (DSM) service used for detection, download and installation of device-related software creates a log of events during device setup.
Device Watchdog Events Log (Windows 10+)	The Watchdog service used to control device hangs creates a log of events.
DHCP Client Service Events Log	The DHCP Client service creates a log of events during obtaining and updating IP addresses and DNS records.
DHCPv6 Events Log	The event log of working on IPv6 networks.
Diagnostic Policy Service Events Log	The Diagnostic Policy Service that helps detecting, troubleshooting, and resolving problems, creates a log of events.
Disk Cleanup Diagnostic Log (Windows 10+)	The Disk Cleanup frees up space on computer's hard drive. It creates a log of its diagnostics.
DPAPI Events	Log of the DPAPI (Data Protection Application Programming Interface) component of the system data encryption.
DSM Service Events Log	The Device Setup Manager (DSM) service used for detection, download and installation of device-related software creates a log of events.
EAP Host Events Log	The Extensible Authentication Protocol (EAP) Host service provides an authentication in various networks and creates a log of events.
FTH Service Events Log	Log of the Fault Tolerance Heap that monitoring application crashes and makes necessary mitigation to prevent future crashes.

Group Policy Events Log	The Group Policy Client service used to apply settings configured through the Group Policy component creates a log of events.
Hardware Thermal Events Log	The event log of overheated hardware components and system actions.
Hyper-V Activity Log	The activity log of Hyper-V system that runs virtual machines.
Hyper-V Events Log	The event log of the Hyper-V system that runs virtual machines.
Hyper-V Virtual Switch Log	The event log of Hyper-V Virtual Switch that provides connection for virtual machines to external networks.
Kernel Boot Events Log	The log of kernel events during startup time.
Kernel Event Tracing Log	The log of events occurred in the system or application at the kernel level.
Kernel I/O Events Log (Windows 10+)	The Kernel I/O Events Log stores events of communications between applications and interfaces provided by device drivers.
Kernel Live Dump Capture Log	The Kernel Live Dump Capture Log stores events of abnormal situation when the OS can continue operation.
Kernel Shim Engine Events Log	The Kernel Shim Engine that provides device and driver shims creates a log of its events. A device shim is a hardware-specific "workaround". A driver shim is a custom routine for changing the behavior of the driver.
Known Folders Error Log	The log of errors occurred in "Known Folders" (Documents, Downloads, Pictures, Videos, etc.).
Language Pack Setup Error Log	Log of errors occurred during Language Pack setups.
Local Session Manager Events Log	The log of events created by Local Session Manager managing local user sessions.
LPAC Security Events Log (Windows 10+)	The log of attempts of unauthorized access to system resources by applications running in a less privileged app container (LPAC).
MDM Diagnostics Events Log	The log of events created during the diagnostics of Mobile Device Management (MDM) services.
MDM Security Events Log (Windows 10+)	The log of events created during the security of Mobile Device Management (MDM) services
Microsoft Account Events Log	The event log of Microsoft account.
MUI Events Log	The event log of Multilingual User Interface (MUI) that can help in troubleshooting.
NCrypt Events Log	The event log of the NCrypt system component that provides data encryption.
NCD Auto-Setup Service Log	The service log of the NCD (Network Connected Device) Auto-Setup service that monitors and installs qualified devices that connect to qualified networks.
NCSI Events Log	The event log of Network Connection Status Indicator (NCSI), a service detecting Internet connectivity status.
Network Diagnostics Events Log	The event log of network diagnostics.
NLA Network Profiles Events Log	The event log of Network Location Awareness (NLA) service creating a Network Profile for every network it connects to.

NLA Service Events Log	The event log of Network Location Awareness (NLA) service that stores configuration information for the network and notifies programs when this information is modified.
Network Location Wizard Events Log	The event log of Network Location Wizard Events that identifies the type of network (private or public) that PC is connected to with a network adapters.
NTFS Disk Events Log	The NTFS disk event log.
NTFS Disk Monitoring Log	The event log of Activity Center that monitors the NTFS disk status.
Offline Files Events Log	The event log of offline local copies of files stored on the network.
Partition Diagnostics Events Log (Windows 10+)	The log of events that occurred during the diagnostics of data storage devices connected to this PC.
PCW Diagnostics Events Log	The log of diagnostic events for the PCW (Performance Counters for Windows) that collects various system data (statistics for CPU, memory, and disk usage).
Performance Diagnostics Events Log	The event log of Performance Diagnostics that monitors system problems.
PnP Device Configuration Log	The log of device configuration for the Plug and Play (PnP) service enabling a computer to recognize and automatically adapt itself to hardware changes.
PnP Service Events Log	The event log of the Plug and Play (PnP) service enabling a computer to recognize and automatically adapt itself to hardware changes.
PowerShell Diagnostics Log	The diagnostics log of the PowerShell framework that manages task automation and configuration..
PowerShell Events Log	The event log of the PowerShell, a task automation and configuration management framework.
Print Service Events Log	The event log of printing of various documents.
Privacy Auditing Events Log (Windows 10+)	The event log of the changes in the access rights of applications o various system components.
PCA Events Log	The event log of the Program Compatibility Assistant that helps end users run desktop applications designed for earlier Windows versions.
Provisioning Diagnostics Events Log (Windows 10+)	The diagnostics event log of the Windows Provisioning that configures end-user devices
RDP Client Events Log	The event log of the RDP (Remote Desktop Protocol) clients.
RDP Core Events Log	The event log of the RDP (Remote Desktop Protocol) core.
ReadyBoost Events Log	The event log of ReadyBoost that makes NAND memory (CompactFlash, SD cards, and USB memory sticks, etc) be used as a write cache between RAM and a hard drive to increase throughout performance.
Remote Assistance Events Log	The event log of Windows Remote Assistance, a service that allows a trusted entity to remotely fix issues.

Remote Connection Manager Log	The event log of Remote Connection Manager, a service that is used to establish a connection with remote PCs.
Resource Exhaustion Detector Log	The event log of Windows Resource Exhaustion Detector that notifies the user of system resource exhaustion (free disk space, free RAM, etc.).
Resource Exhaustion Resolver Log	The event log of the Resource Exhaustion Resolver that provides details about corrective actions you can take to recover system resources when the system has a critical amount of memory committed to applications.
Scheduled Diagnostics Events Log	The event log of scheduled diagnostics the system performs.
Scripted Diagnostics Events Log	The event log of scripted diagnostics performing periodical system maintenance by automatic fixing problems or reporting them through Action Center.
Scripted Diagnostics History	The history log of scripted diagnostics performing periodical system maintenance by automatic fixing problems or reporting them through Action Center.
Scripted Diagnostics Provider Log	The event log of scripted diagnostics provider performing periodical system maintenance by automatic fixing problems or reporting them through Action Center.
Security Mitigations Events Log (Windows 10+)	The event log of exploit mitigation techniques used to protect your system and system processes.
Setting Synchronization Debug Log	The debug log of Setting Synchronization service that synchronizes your system settings with your other devices.
Setting Synchronization Events Log	The event log of the Setting Synchronization service that synchronizes your system settings with your other devices.
Shell Core Action Center Log	The event log of the Action Core Action Center events that occur in the system's shell core.
Shell Core Events Log	The event log of Windows Shell Core.
Shell Start Events Log (Windows 10+)	The event log of Shell startup.
SMB Client Events Log	The event log of the client-side SMB events. SMB (Server Message Block) is a protocol for shared access to files and printers in a network.
SMB Client Security Events Log	The event log of the client-side SMB security events. SMB (Server Message Block) is a protocol for shared access to files and printers in a network.
SMB Server Events Log	The event log of the server-side SMB events. SMB (Server Message Block) is a protocol for shared access to files and printers in a network.
SMS Router Service Events Log (Windows 10+)	The event log of the SMS Router Service that routes messages basing on rules to appropriate clients.
SPP UX Events Log	The event log of the SPP UX component (Software Protection Platform User Experience), the system component that handles the user experience for Windows licensing.

State Repository Service Events Log (Windows 10+)	The event log of the State Repository Service that provides required infrastructure support for applications.
Storage Management Events Log (Windows 10)	The event log of the Windows Storage Management component that is used to manage various storage configurations.
Storage PnP Events Log	The event log of the PnP operations on storage devices.
Storage Service Diagnostics Log (Windows 10+)	The event log of the Storage Service provides enabling services for storage settings and external storage expansion.
Storage Settings Diagnostics Log (Windows 10+)	The diagnostic log of the Storage Settings Diagnostics system.
Storage Spaces Agent Log	The event log of the Storage Spaces Agent system.
Storage Spaces Events Log (Windows 8 and later)	The event log of the Storage Space service.
Store Client Events Log	The event log of Windows Store Client application.
Store Licensing Events Log	The event log of Windows Store Licensing model that allows to run any purchased application any device from one account.
StorPort Dagnostics Events Log (Windows 10+)	The event log of the StorPort (storage port) driver diagnostics.
StorPort Events Log	The event log of the StorPort (storage port) driver.
Task Scheduler Maintenance Log	The maintenance log of Task Scheduler.
TimeZone Synchronization Task Log	The event log of TimeZone Synchronization service updating time zone information.
TWinUI Events Log	The event log of TWinUI (Tablet Windows User Interface) launching UWP (Universal Windows Platform) applications.
UAC Events Log	The event log of UAC (User Account Control) that can assist in troubleshooting.
UAC File Virtualization Log	The event log of UAC (User Account Control) that visualizes files in system folders for security reasons.
User Profile Service Events Log	The event log of User Profile Service that loads and unloads user profiles.
UTC Service Events Log (Windows 10+)	The event log of Universal Telemetry Client (UTC) service that collects telemetry data in Windows 10.
VHDMP Events Log	The event log of VHDMP (Virtual Hard Disk MiniPort) service that simulates disk devices when, for example, you mount an ISO image.
Volume Snapshot Driver Events Log (Windows 10+)	The event log of Volume Snapshot Driver that ensures backup consistency.
WCM Service Events Log	The event log of Windows Connection Manager (WCM) service that makes automatic connect/disconnect decisions by looking at Ethernet Wi-Fi, and mobile broadband interfaces.



Web Authentication Events Log (Windows 10+)	The event log of Web Authentication Events, a solution for hardware-bound credentials that can replace less secure the login/password authentication method.
WER Diagnostics Events Log	The diagnostic event log of Windows Error Reporting (WER) service that notifies Microsoft about application faults, kernel faults, unresponsive applications, and other applications.
WER Upload Events Log (Windows 10+)	The event log of Windows Error Reporting (WER) service that notifies Microsoft about application faults, kernel faults, unresponsive applications, and other applications.
WFP Events Log	The event logs of Windows Filtering Platform (WFP), that allows Windows software to process and filter network traffic.
WFP IKE Events Log	The event logs of the Internet Key Exchange service of the Windows Filtering Platform (WFP), that allows Windows to exchange secret keys safely.
WHEA Events Log	The event log of Windows Hardware Error Architecture (WHEA) that provides a hardware error handling mechanism.
Win32 Driver Events Log (Windows 10+)	The event log of Win32 Driver, the kernel-mode side of the Win32 Windows subsystem that is loaded when the boot process is complete and the system moves into the User mode.
Windows Biometric Service Events Log	The event log of Windows Biometric Service that captures, compares, manipulates, and stores biometric data without access to any biometric hardware.
Windows Container Isolation Service Log (Windows 10+)	Containers provide a lightweight, isolated environment that makes apps easier to develop, deploy, and manage.
Windows Container Bind Filter Log (Windows 10+)	The event log for the Windows Bind Filter service that binds filesystem namespaces to different locations and hides this remapping from the user
Windows Defender Events Log	The event log of Windows Defender Service that protects the users from malware and other potentially harmful software.
Windows Defender Monitoring Log	The monitoring log of Activity Center that monitors the state of Windows Defender.
Windows Firewall Diagnostics Log (Windows 10+)	The diagnostics log of Windows Firewall that protects the computer by preventing unauthorized access through the Internet of local network.
Windows Firewall Events Log	The event log of Windows Firewall that protects the computer by preventing unauthorized access through the Internet of local network.
Windows Hello Events Log	(Windows 10 only) The event log of Windows Hello, the service that allows Windows 10 devices to use your face, fingerprint, or companion device to sign in.
Windows Time Service Events Log (Windows 10+)	(Windows 10 only) The event log of Windows Time Service Events Log, the service that allows maintains date and time synchronization on all network clients and servers.

Windows Update Events Log	The event log of Windows Update service that detects, downloads, and installs updates for Windows and other programs.
WinINet Events Log	The event log of WinINet client platform for interactive desktop applications.
Winlogon Events Log	The event log of Windows Logon component that performs some operations when a user signs in.
WinRM Service Events Log	The event log of Windows Remote Management (WinRM) service that performs the WS-management (Web services management) protocol used for remote software and hardware management.
WinSAT Events Log	The event log of the Windows System Assessment Tool (WinSAT) that measures various performance characteristics and capabilities of the hardware.
WLAN AutoConfig Service Events Log	The event log of WLAN AutoConfig service that discovers, connects to, configures, and disconnects from, a wireless local area network (WLAN).
WMI Events Log	The event log of Windows Management Instrumentation (WMI) service that provides a common interface and object model to access management information about operating system, devices, applications, and services.
WNS Events Log	The event log of Windows Push Notification (WNS) service that provides sending push data ("toast" and "tile" updates) to Universal Windows Platform applications.
Work Folders Events Log	The events log of Work Folders that store files on a personal computer (bring-your-own device - BYOD).
Work Folders Management Log	The management log of Work Folders that store files on a personal computer (bring-your-own device - BYOD)
WPD MTP Events Log	The event log of the Media Transfer Protocol (MTP) used by Windows Portable Devices (WPD) to communicate with attached media and storage devices.

#### Storing Traces: More Information...

This part allows you to inspect and clean various traces (mostly insignificant) left by some system applications and services, some already removed from your system. Most of these traces are stored in the Registry.	
Stored Application Compatibility Settings	Your system can keep various compatibility settings for already removed applications.
Stored System Environment Variables	Your system can keep the environment variables created by already removed applications.
Stored Browser Plugins Information	Your system can keep some information about web browser plugins already removed from your system.
Stored Locations of Shared Modules	Your system stores list of modules that applications share.
Stored Locations of System Type Libraries	Your system stores locations of type libraries that store information about COM objects from already removed applications.

Stored Network Information	Your system stores some information about networks your device was connected to.
Stored Scheduled Tasks	Your system stores some information about tasks scheduled by already removed applications.
Stored Services Information	Your system stores information about services of already removed applications.
Stored Legacy Services Information	Your system stores information about already removed legacy services.
Stored USB Storage Information	Your system stores information about already removed legacy services
Stored Wireless Networks Profiles	Your system can keep some information (like secret key) about wireless networks your computer ever has been connected to. You may select those profiles to remove their data.

#### ***Associativity Traces: More Information...***

This part allows you to inspect and clean various traces connected with associativity of file types, protocols, etc., with already removed applications.	
Stored AutoPlay Handlers Paths	Your system can keep autoplay information (what Windows is to do when detects a certain media files on a removable media device) for already removed applications.
Stored COM Class Identifiers	Your system can keep the Class Identifiers of COM objects in already removed applications.
Stored COM Interface Identifiers	Your system can keep the COM interface Identifiers contained in already removed applications.
Stored e-Mail Programs Information	You system can store some information about already removed e-mail applications.
Stored Event Logging Applications Information	Some applications can save info about various events to the Application log of your system. Also, your system can keep some information about those applications, even if they have already been removed.
Stored System File Types	Your system can keep the file name extensions associated with already removed applications.
Stored Firewall Rules	Your system can keep the built-in firewall rules for already removed applications.
Stored Info of Connection IA Apps	Your system stores locations of image acquisition applications - programs that start when an image-capturing device like a scanner, digital photo or movie camera.
Stored Info of Proxy IA Apps	Your system stores information of a proxy image acquisition application - a program that start when an image-capturing device like a scanner, digital photo or movie camera, if no other application is assigned to those actions.
Stored Info of Scan Button IA Apps	Your system can keep some information about Image Acquisition applications, programs to launch when you press the Scan button on a connected scanner.
Stored Media Players Information	Your system can keep some information about media players that have been removed from the system.
Stored MIME Types	Your system stores MIME types registered by already removed applications.
Stored News Readers Information	Your system stores some information about news readers already removed from the system.

Stored Perceived Types Applications	Your system stores names of already removed applications and perceived types associates with them.
Stored System Program Identifiers	Your system stores program identifiers from already removed applications.
Stored Recording Software Information	Your system stores information about audio, screen, and video recording software already removed from the system.
Stored Web Browsers Information	Your system stores information about web browsers already removed from your system.

#### **Installer Traces: More Information...**

This part allows you to inspect and clean various data left by installers of already removed applications. Most of these traces are stored in the Registry. Sometimes you may significantly clean the Registry by removing these traces.	
Installer's Temporary Files and Folders	The list of <a href="#">temporary files</a> and folders created during the installation and updates of programs and system components
Stored System Installation Information	Your system can store information about distribution kits of already removed applications.
Stored Installer Components Paths	Windows Installer stores paths used during the installation of some programs or services.
Stored Installer Folders	Windows Installer stores paths used during the installation of some programs or services.
Stored Installer Packages	You system can store Windows Installer package files (with patches) of already removed applications.
Stored Installer Registry Keys	Windows Installer stores the Registry key names used during the installation of some programs or services.
Stored Programs and Features Info	Your system stores information about already removed applications.
Stored Programs and Features Paths	Your system stores information about already removed legacy services.
Stored Programs and Features Paths	Your system stores information about already removed legacy services.
Stored Programs and Features Sources	Your system stores paths to folders from which applications or system components were installed.
Stored Store Install Information	Your system stores information some information about installation and updates of the UWP (Universal Windows Platform) programs and games already removed from your system.

#### **Setup and Update Traces: More Information...**

This part allows you to inspect and clean various data left by system setups and updates.	
Microsoft Update Health Tools Log (Windows 10+)	The event log of Microsoft Update Health Tools that improves reliability of Windows Update Service.
Provisioning Temporary Folders (Windows 10)	Folders to store configurations and settings to enroll devices and apply those configurations fast.
Setup Logs	Log files created when your system has installed its components. Double tap a file to view its content.
System Windows Update Logs	Your system stores log files created during installing updated (security and other critical updates that protect your computer).

Windows Update Medic Service Events Logs	Your system stores event logs created by Windows Update Medic Service that remediates and protects Windows Update components.
Windows Update Trace Logs	List of trace files created by the Windows Update service for error detection and diagnostics.
WSUS Data Store Traces	WSUS (Windows Software Update Services or Windows Server Update Services) create some temporary and log files that assist in troubleshooting.
WSUS Events Log	WSUS (Windows Software Update Services or Windows Server Update Services) creates a log file that assist in troubleshooting.

**Program Data Traces: More Information...**

This part allows you to inspect and clean various traces left by system services and installed application and which are common to all users of this computer.	
Windows Defender Activity Log	Windows Defender can log some details of its activity.
Windows Defender Delayed Reports	Windows Defender can log some postponed reporting about detecting threats.
Windows Defender Detection Log	Windows Defender can log a brief information about detected viruses.
Windows Defender Network Inspection Service Log	The Network Inspection Service of Windows Defender can log its activity to assist in troubleshooting.
Windows Defender Scan Logs	Windows Defender creates various logs during disk scan to assist in troubleshooting.
Windows Defender Scan Results	Windows Defender stores some details about each disk scan.
Windows Defender Quick Scan Results	Windows Defender stores some details about each quick disk scan.
Windows Defender WPP Files	Windows Defender can use the Windows software trace pre-processor to trace its operations for troubleshooting.
Common Windows Search Databases	Your system stores a cache of files with the detailed information about files used by Windows to perform very fast search among most frequently used files on the computer. <b>Attention!</b> When deleting and wiping the cache, you <b>do not remove</b> the files, only their cached copies.
Windows Search Indexing Files	Your system stores detailed information about files which Windows uses to perform very fast search for most frequently used files on the computer.
Windows Search Stream Log Files	Your system stores detailed information about files which Windows uses to perform very fast search for most frequently used files on the computer. Double tap a file to view its content.
Indexing Traces	Your system stores detailed information about files which Windows uses to perform very fast search for most frequently used files on the computer. Double tap a file to view its content.
CSP Diagnostic Event Logs (Windows 10 and later)	Your system stores the event log of Configuration Service Provider (CSP), an interface to read, set, modify, or delete configuration settings of the devices.

Digital Rights Management Traces	Traces of the Digital Rights Management protecting proprietary data from illegal usage. Double-tap a log to view its content.
Event Viewer History	History and some settings of the viewed Windows event logs.
Map Data	Data of the maps used by navigation applications.
Power Efficiency Diagnostics Reports	Energy reports that help users to improve common energy efficiency and solve battery life problems
Reliability Monitoring Traces	The activity traces for Reliability Monitor, and advanced tool that estimates hardware and software problems and other computer changes.
RUXIM Events Log	The events log of RUXIM (Reusable UX (User eXperience) Interaction Manager), a component used by Windows Update that all required updates are properly scheduled and delivered.
Software Quality Monitoring Traces	The activity traces for the Microsoft's Software Quality Monitoring program.
Update Orchestrator Events Logs	Update Orchestrator Events Logs created by the Windows Update service to assist in troubleshooting.
WFP Diagnostics Logs	WFP Diagnostics log created by the Windows Filtering Platform that allows software to process and filter network traffic. It is used by firewalls, intrusion detection systems, antivirus programs, network monitoring tools, and parental control.
Windows Security Service Logs	Logs of Windows Security Service that handles unified device protection and health information.
App Repository	App Repository is used when downloading and installing applications from the Store. Red items can contain important information. They are not selected by default and can be removed only manually on this panel.
Stored Start Menu Items	A list of links to removed applications stored in the All Programs section of Start Menu.
Stored Startup Application Info	Stored information about removed applications launched during logon. <b>Attention!</b> When cleaning this list, you <b>do not remove</b> the files, only their links.

#### Services Accounts Traces: More Information...

This part allows you to inspect and clean various traces left by 3 predefined system accounts : Local System, Local Service, and Network Service.	
System Registry Traces	Registry records of items used by the system (recent system applications, etc.)
Local Service's Temporary Files	Temporary files that the "Local Service" account creates.
Local System's Temporary Files	Temporary files that the "Local System's" account creates.
Network Service's Temporary Files	Temporary files that the "Network Service" account creates.
LSyss Direct3D Shader Cache	The Direct3D Shader Caching Library of the System creates a cache of its files.
Local Service's Cached Certification Files	A cache of documents used to authenticate web site certificates. Those include certificates, Certification Revocation Lists (CRL). Cleaning this

	cache removes cached copies, not the original files.
Local System's Cached Certification Files	A cache of documents used to authenticate web site certificates. Those include certificates, Certification Revocation Lists (CRL). Cleaning this cache removes cached copies, not the original files.
Network Service's Cached Certification Files	A cache of documents used to authenticate web site certificates. Those include certificates, Certification Revocation Lists (CRL). Cleaning this cache removes cached copies, not the original files.
Local System Cached File Extensions	Cached filename extensions of file types registered by applications, some of which may be already deleted.
Local System Cached Shell Extensions	Cached shell extensions (added shortcut menu items added by installed applications). <b>Attention!</b> When cleaning the cache, the extensions aren't removed, only their cached copies.
Cached WPF Fonts	Your system stores a cache of Windows Presentation Foundation fonts installed in the system. <b>Attention!</b> When deleting and wiping this cache, you do not remove the fonts, only their cached copies.
Local System's Common Language Runtime Logs	Various logs created by the Common Language Runtime (CLR) component of the .Net Framework. You may view a log file by double-tapping it.
Local System's Crash Dumps	Memory dumps of crashed applications.
Network Service's Crash Dumps	Crash dumps of a network service.
Delivery Optimization Service Cache Files	A file cache of the Delivery Optimization Service that performs content delivery optimization tasks.
Network Service's Diagnostics Logs	Logs created by various services and programs running under the "Network Service" account. You may view a log file by double-tapping it.
Local System's Direct3D Shader Cache	A file cache of Direct3D Shader.
Peer Networking Traces	Various traces created during peer-to-peer network connections with other computers.
qWAVE Cached Data	Cached data of the Quality Windows Audio/Video Experience (qWAVE) service that provides features focused on streaming multimedia and real-time content over variable bandwidth networks.
Local System Stored Application Descriptions	A list of application descriptions and their paths for applications that have started in the system at least once.
Local System Stored AutoPlay Handlers Paths	A list of applications assigned to perform some actions automatically upon detected media files on removable storage. Some information on them may remain even when they have been removed from the system.
Local System Stored AutoPlay Handling Events	Events assigned by autoplay applications, which can be already removed.
Local System Stored Internet Explorer Shortcut Menu Extensions	A list of Internet Explorer shortcut menu commands installed by applications already removed from the system.



Store Install Service Database	Some data about installed UWP (Universal Windows Platform) programs and games.
UWP' PRI Files Scan Cache	When scanning PRI (Package Resource Indexing) files of the UWP (Universal Windows Platform) applications, the MRT (Malware Removal Tool) can cache some information about these files.
LSys's Web Content	Databases of the web content used by system components.
Local Service's Windows Search Databases	Databases created by Windows Search service to perform very fast searches
Local System's Windows Search Databases	Databases created by Windows Search service to perform very fast searches.

#### **Aggregate Traces: More Information...**

This part allows you to inspect and clean various multiple-part traces. Any part of these traces can be removed separately.	
System Registry Traces	Registry records of items used by system (recent system applications, etc.). Empty system registry trace lists are dimmed.
Auxiliary Disk Traces	A tree of temporary files and logs created by various system services and programs.
Cryptographic Services Traces	Catalog Database Service, Key Service, and Protected Root Service create temporary and log files for troubleshooting.
Security Management Traces	Security Management Tools create temporary, database, and log files for troubleshooting.
SRU Monitoring Traces	SRU (System Resource Usage) Monitoring Service tracks the use of hardware (CPU, memory, disk, and network) and software (file handlers and modules) resources.
WinSAT Traces	Logs and Reports of Windows System Assessment Tool (WinSAT) that measures various performance characteristics and capabilities of hardware it's running on and reports them as a Windows Experience Index (WEI) score.

#### **Miscellaneous Traces: More Information...**

This part allows you to inspect and clean various miscellaneous traces.	
System Temporary Files and Folders	List of temporary files and folders created by your system.
Cached Fonts	Your system stores a cache of fonts installed in the system. Attention! When deleting and wiping this cache, you do not remove the fonts, only their cached copies.
Kernel Live Dump Files	Kernel Live Dump gathers data to troubleshoot an abnormal situation but allows Windows to continue operation.
System Problem Reports	List of programs and services that caused problems to Windows.
RADAR Memory Leaks History	List of programs that may have memory leaks created by the Memory Leak Diagnoser component of Windows Resource Exhaustion Detection and Resolution (RADAR).

Registry Transactions History	History of Registry transactions performed by your system and applications.
Cached Applications Compatibility Info	Your system can create a cache of some information about compatibility of applications that run on your system, including those already removed from the system.
Swap Files	Areas of hard disks that Windows uses as it were physical memory. Data from any running program or system process may be written to these files. To start wiping swap files, you must restart your system. You will be prompted either to restart your system to start wiping the swap files, or to delay wiping until the next restart.
Defragmentation List	Your system stores this list of files and folders in order to enhance the defragmentation process. <b>Attention!</b> When deleting and wiping the list, you do not remove the files, only the list.
Prefetch Traces	Your system creates these files in order to minimize system and application startup and stores them in a cache. If you delete a prefetch file for an application, the system will create it again next time the system starts the application.
Background Activity Moderator Data (Windows 10+)	Your system keeps track of Background Activity Moderator, a Windows service that controls activity of background applications.

#### 3.4.2.4 Cleaning Program Traces

You may clean various caches, logs, [temporary files](#), recent files lists, [caches](#), and other traces left by a number of applications.

You may also include program traces into a large wipe and clean task. Go to the [Setting a Large Wipe and Clean Task](#) section for details.

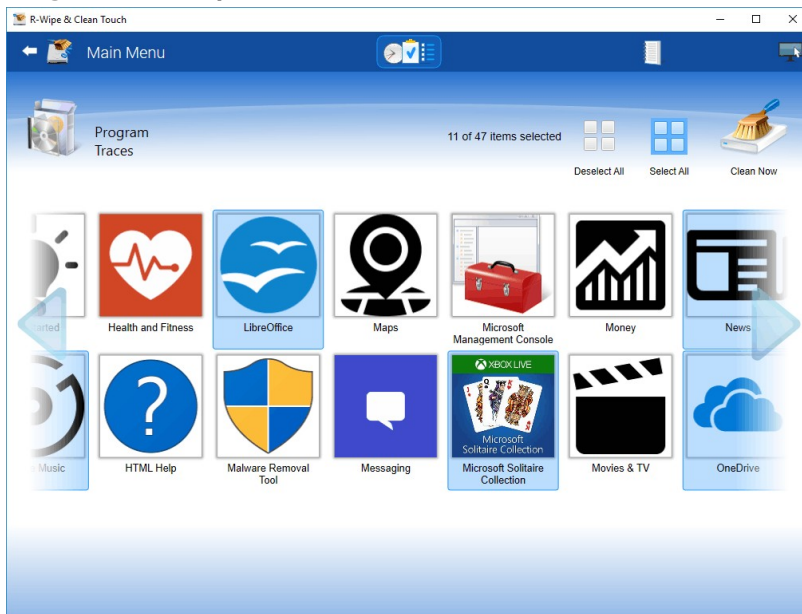
The list of items visible on the **Program Traces** panel can be edited on the [Customize](#) panel.

#### To clean traces of the programs,

- Select the **Program Traces** item.

The **Program Traces** panel will appear.

### Program Traces panel



- Select the required items and tap the **Clean Now** button.

**R-Wipe & Clean** will start cleaning the computer. When **R-Wipe & Clean** finishes cleaning, the **Report** dialog box will appear showing cleaning results.

### 3.4.3 Wiping Tasks and Scheduler

You can specify a large wipe and clean task, which may include wiping free disk space, cleaning your computer from any Internet and document links, and one or several wipe lists. You may start this task immediately or set a special time/event when this task will be started automatically.

- [Creating a Large Wipe and Clean Task](#)
- [Using Scheduler](#)
- [Starting Tasks from a Command Line and Shortcuts](#)
- [Importing Task from a Command Line](#)

#### 3.4.3.1 Creating a Large Wipe and Clean Task

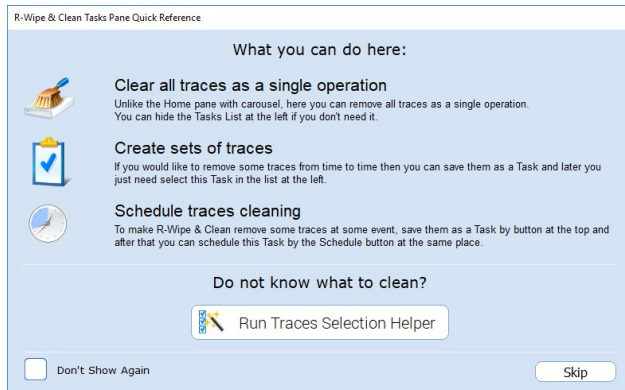
You may specify a large wipe and clean task, which may include wiping free disk space, cleaning your computer from any internet and document links, and one or several wipe lists.

To set a large wipe and clean task,

- On the **Main** panel, click the **Wipe & Clean Tasks** button.

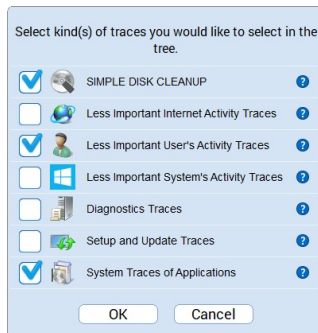
The **R-Wipe & Clean Tasks Pane Quick Reference** panel will appear.

## R-Wipe & Clean Tasks Pane Quick Reference panel



You may either use **Traces Selection Helper** to quickly select some most common traces to include into the task, or skip it to manually specify the items to clean. If you disable this panel, you may later enable it on the [General Settings](#) tab of the [Settings](#) panel.

### Traces Selection Helper panel



### Traces Selection Helper Items

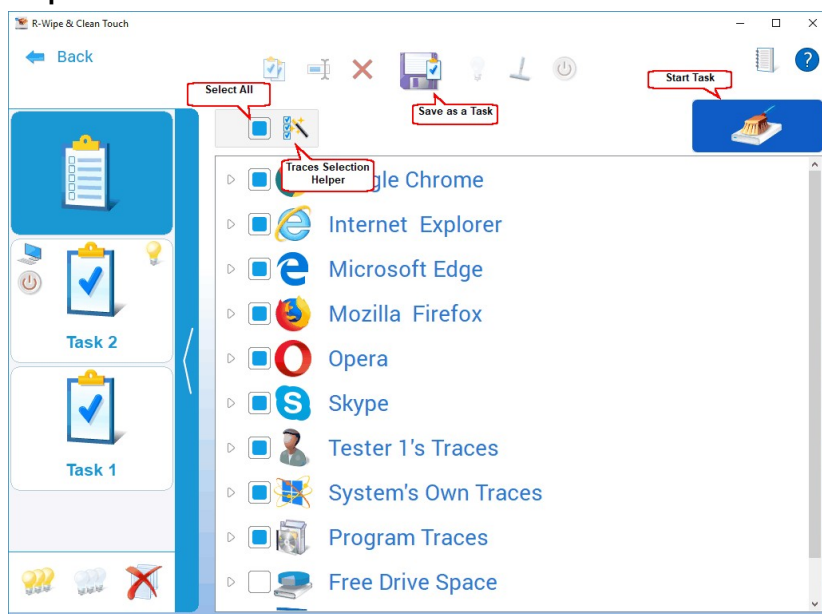
SIMPLE DISK CLEANUP	<p>If you want to just free up disk space then it's enough to check this item. <b>R-Wipe &amp; Clean</b> will remove all traces stored as various files (cache files, logs, <a href="#">temporary files</a>, memory dumps, etc). However, all traces stored in the Registry or in configuration files of various format will be left intact!</p>
Less Important Internet Activity Traces	<p>Select these traces if you worked online with some web browser or Skype. Your personalized settings for webpages (<a href="#">cookies</a>, saved passwords, etc) will be left intact!</p> <p>You can remove such traces by selecting root item of the corresponding web browser or Skype on the Navigation tree.</p> <p>In addition to web browsers and Skype, there are various applications that use Internet and keep web traces but such traces aren't to be removed here.</p>
Less Important User's Activity Traces	<p>By selecting these traces, you can remove commonly created traces for the current user even if you do nothing on this PC.</p> <p>This will also remove the traces created by system components used in the applications.</p> <p>For example, traces left after using Open and/or Save dialogs in some applications.</p>

Less Important System's Activity Traces	Here you can remove the traces created by the system even if you do nothing on this PC. <b>Administrative rights are required for removing these traces!</b>
Diagnostics Traces	Here you can remove traces created after errors in applications or system (error reports, dump files, etc). Many applications can create such traces without notifying you. Removing these traces will free some space on the drive but can make it difficult to troubleshoot error issues.
Setup and Update Traces	Here you can remove traces created after installation your system, as well as after each of its updates. Removing these traces can free large amount of disk space but can make it difficult to troubleshoot installation issues. It's recommended to remove such traces after a Windows Update installation.
System Traces of Applications	Here you can remove the traces that can be left in the system after removing various applications. It's recommended to remove such traces after removing large applications that were installed via installer.

You may also reach the **Traces Selection Helper** on the **Task** panel

- Select the traces you want to clean and tap the **Start Task** button.

#### Task panel



**R-Wipe & Clean** will start cleaning the computer, and the **Deleting and wiping** dialog box will appear showing the cleaning progress.

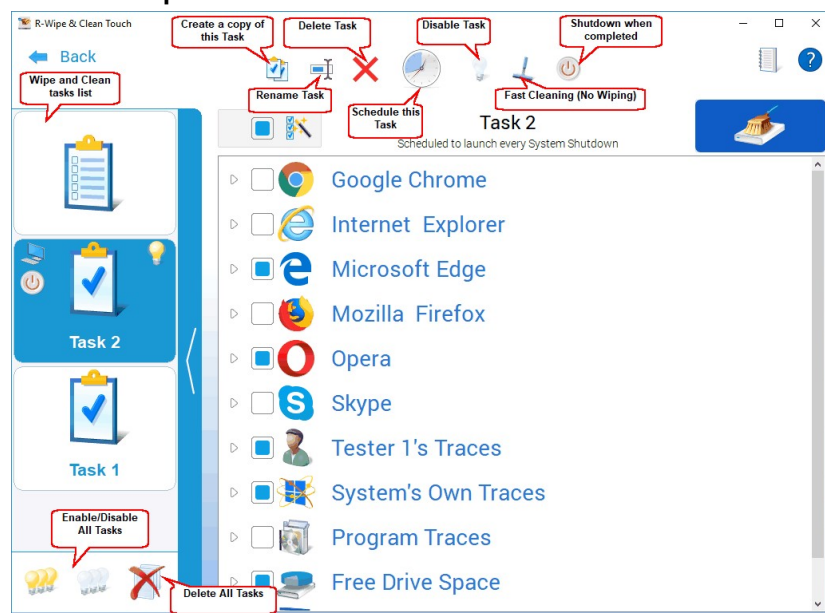
When **R-Wipe & Clean** finishes wiping and cleaning, the **Report** dialog box will appear showing cleaning results.

You may save the task to run in future, either manually or using the the [Scheduler](#).

**To save a large wipe and clean task,**

- Tap the **Save as a Task** button.

### Saved Task panel



### Managing Existing Wipe and Clean Tasks

The existing tasks appear in the **Wipe and Clean tasks** list. You may modify/delete/schedule an existing task when it's selected.

#### +More Information...

Schedule Task	Click this button to <a href="#">schedule</a> the task
Disable Task	Click this button to toggle task activation/deactivation. A disabled task won't be started by the scheduler, but it can be run manually.
Fast Cleaning	Enable this option to run the task faster. When this option is enabled, all files will be deleted rather than wiped regardless of Files Wiping Settings settings.
Shut down when completed	Enable this option to shutdown you computer when the task has been completed.
Rename Task	Click this button to rename the current task
Copy Task	Click this button to copy the current task to another one
Delete Task	Click this button to delete the current task

#### To start an existing wipe and clean task manually,

- Select the task and then tap the **Start Task** button.

**R-Wipe & Clean** will start cleaning the computer, and the **Deleting and wiping** dialog box will appear showing the cleaning progress. When **R-Wipe & Clean** finishes wiping and cleaning, the **Report** dialog box will appear showing cleaning results.

#### To edit an existing wipe and clean task,

- Select the required task.
- Make the necessary changes. They will be saved automatically.

#### To disable/enable all existing wipe and clean tasks in the Wipe and Clean Tasks list,

- Select **Disable/Enable All Tasks** on the **Tasks** panel.

To delete all existing wipe and clean tasks in the **Wipe and Clean Tasks** list,

- Select **Delete All Tasks** on the **Task** panel.

To create a copy of a task,

- Select the required task and tap the **Copy Task** button on the **Task** panel.

### 3.4.3.2 Using Scheduler

You may set a [large wipe and clean task](#) to run at a specified time or event. You may have several such tasks, each starting at its own time or event. You may even start such tasks [from a command line](#).

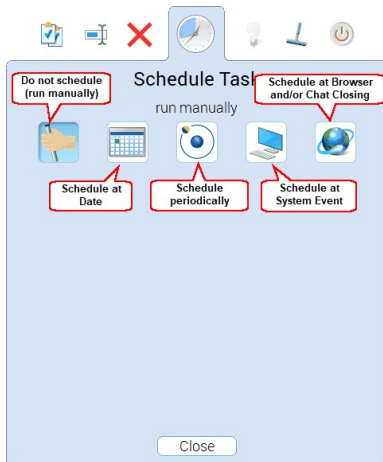
### *Creating a Large Wipe and Clean Task at a Specified Time or Event*

To schedule a new large wipe and clean task,

- [Create and save](#) a wipe & clean task
- Tap the **Schedule Task** button.

A **Schedule Task** dialog box will appear.

#### **Schedule Task** dialog box



- Specify time or event at which the task will start and other task options on the **Schedule Task** dialog box, and tap the **Close** button.

#### **Time or event**

Depending on the specified time or event, the fields <a href="#">Date</a> and <a href="#">Time</a> may change their names		
Do not schedule (run manually)	The wipe and clean task will never start automatically. You may start it manually	
Schedule at Date	The wipe and clean task will start on a specified date at a specified time or the first system startup	
Schedule periodically	The wipe and clean task will start in a specified time interval:	
	Every Time interval	Every specified time interval (hours and minutes)
	Day	Every day at a specified time or the first system startup
	Week	Every specified weekday at a specified time or the first system startup
	Month	Every specified month day at a specified time or the first system startup



Schedule at System Event	The wipe and clean task will start at a specified system event	
	User Logon	Every user logon
	System Startup	Every system startup. The task will start when the first user logs on after the system startup
	User Logoff	Every user logoff
	System Shutdown	Every system shutdown. The task will start when the user logs off
Schedule at Browser and/or Chat Closing	At every closing a particular browser/communication program or all of them. On the <a href="#">Task Setting</a> , you may add a custom program (not necessary an Internet application) to start running a scheduled task upon its closing. If such a program is added, this item changes its name to At Program closing.	

### 3.4.3.3 Starting Tasks from a Command Line and Shortcuts

#### ***Starting a Large Wipe and Clean Task from a command line***

To start an existing wipe and clean task from a command line,

- type `rwiperun.exe /t "TaskName"`  
where `TaskName` is the name of a task to be run.

You may include this command line in any command file.

#### ***Starting a Large Wipe and Clean Task from a desktop shortcut***

To start an existing wipe and clean task from a desktop shortcut,

- Create a command file with the command starting the task.
- Create a shortcut with that command file.

### 3.4.3.4 Importing Task from a Command Line

#### ***Importing a Wipe and Clean Task from a command line***

To import an existing wipe and clean task from a command line,

- type `RwcRun.exe /importtask "Filepath/TaskFile"`  
where `Filepath/TaskName` is the file path and name of a task to import.

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