

## HDCleaner – Helpfile

### HDCleaner - Complete cleaning for your Windows PC

Is your computer too slow? Over time, a large number of unwanted files and information accumulate on a PC, which not only neatly consume storage space, but also slow down the system and provide information about user behavior. HDCleaner cleans up these files and speeds up the computer in no time. Optimized for Solid-state drives (SSD) and hard disk drives (HDD).

### Optimize PC performance

With over 4000 cleaning and repair functions HDCleaner reduces the junk files to minimum and makes Windows free more system resources, use less memory and operate without errors which results in faster PC performance.

You can add any program on your system to HDCleaner so that its data can be cleaned.

Supports Winapp2.ini.

Optimized for Solid-state drives (SSD) and hard disk drives (HDD).

HDCleaner supports 3 Cleaning modes :

Simple cleanup - HDCleaner automatically scans for Internet traces and junk files that can be easily deleted. For this purpose, no settings of the user are necessary.

Default cleanup - This option is for the default user. The user determines which plugins should be deleted. Only the most common plugins are displayed.

Advanced cleanup - The expert mode is made for the savvy user. The user determines which plugins should be deleted. All plugins are displayed.

### Protects your privacy

HDCleaner protects your privacy by erasing your browser search history and browser cookies. Supported Browsers: Firefox, Microsoft Edge Chromium Browser, Microsoft Edge, Internet Explorer, SeaMonkey, K-Meleon, Waterfox, Pale Moon, Basilisk, IceDragon, Opera, Opera Neon, SRWare Iron, BliskBrowser, CentBrowser, EpicBrowser, Google Chrome, AmigoBrowser, Iridium, 360Browser, ChromiumBrowser, Vivaldi, 7StarBrowser, CoolNovoBrowser, CocCocBrowser, CooWonBrowser, SlimJetBrowser, YandexBrowser, Brave-Browser, FalkonBrowser, Dragon, Safari, Blisk, Torch, SleipnirBrowser, CCLearner... CHROME and MOZILLA based browsers can be added. See the Helpfile.

### Quicker Startup

Prevent unnecessary programs from starting when the computer boots up. When you start your computer, Windows isn't the only program that loads. All of these automatically opening programs consume system memory, and can drag down performance. Fortunately, managing startup programs isn't difficult with HDCleaner. Uninstall programs you don't use, they are slowing down your computer. This will free up space and save resources. All related files, settings, and register entries are also removed.

### Clean registry and make it fast in several clicks

Registry contains all the information about your personal computer settings, software and hardware. Wrong file paths, corrupted entries and other kinds of erroneous slows down your computer. Registry Cleaner searches for and fixes various registry problems like invalid shortcuts, wrong paths, corrupted ActiveX and COM entries, CLSID values, explorer extensions, BHOs (Browser Helper Objects) and other kinds of erroneous and obsolete data.

If the registry is messed up with, it can lead to system errors and worse still, render your system unusable forcing you to perform a clean install. For this reason, it is crucial to always have a healthy backup of the registry so that should something go awry, you can always restore your system from the backup. HDCleaner helps you backup and restore the registry.

Scan the Registry and find the desired Registry values that match to the specified search criteria, and display them in one list. After finding the Registry values, you can easily jump to the right value in RegEdit by double-clicking the desired Registry item. You can also export or delete the found Registry keys and values.

Defragment Registry- Analyze and optimize the registry database. It scans and optimizes Windows registry by removing gaps and wasted space, thereby helping to improve computer speed.

**Search the registry**, find the registry values that match the search criteria, and display them in a list. After you find the registry values, you can easily switch to the correct value in RegEdit by double-clicking the desired registry item. You can also export or delete the registry keys and values found.

**Defragment Registry** - Analyze and optimize the registry. HDCleaner scans and optimizes the Windows registry by removing errors, gaps and free space, which improves computer speed.

Find and remove duplicate files - Find and remove duplicate files on your computer. The fast search algorithm finds duplicates of any file type, for example text, images, music or films.

**Find and remove duplicate files** - Search and remove file duplicates on your computer. The fast search algorithm find duplicates of any file type, e.g., text, pictures, music or movies.

**DirToHTML** is a directory to HTML index converter which builds a html index file out of directory structures and files on your computer. The file list can include subfolders, just a single folder or even whole drives.

**DiskDoctor** checks the file system and file system metadata of a volume for logical and physical errors.

Creating and Editing System Restore Points - Restore points are created to allow users a choice of previous system states. Each restore point contains the necessary information needed to restore the system to the chosen state. Restore points are created before key changes are made to the system.

**Wipe files and folders**, wipe free disk space, wipe complete partitions or complete drives with Pseudorandom Data, US DoD 5220.22-M (8-306. / E), US DoD 5220.22-M (8-306. / E, C and E), Schneier's 7 pass or Gutmann 35 passes.

File Splitter allows you to split a large file into small chunks and rejoin them.

**Encrypt and decrypt files** using the Advanced Encryption Standard (AES), also known by its original name Rijndael encryption algorithm.

Detecting and analyzing Alternate Data Streams (ADS).

**SECURE ERASE** of complete Hard Drives.

**Securely Erase Your complete SSD** Without Destroying It and **restoring the SSD to factory default settings.**

Automatically optimize memory and increase RAM.

### System requirements

Windows 10, 8.1, 8, 7, Vista and XP. Including both 32-bit and 64-bit versions.

**Available languages:** German, English, Polish, France, Hungary, Chinese simplified, Chinese traditional, Korean, Slovak, Indonesian, Czech, Greek, Romanian, Hindi, Italian, Netherlands, Portuguese , Spanish , Turkish, Japan, Arabic and Russian.

### • Overview page

#### Cleanup Summary

Here you will find a summary of all previous HDCleaner activities.

#### Device performance and integrity

Driver problems often lead to error messages, crashes or blue screens in Windows. HDCleaner recognizes these problems and by clicking on 'Information' this device is usually marked with a small exclamation mark.

#### System start & shutdown

Shows how many seconds your PC needs for a boot or shutdown. If you click on 'Information', programs will also be displayed which impair this system start-up or shutdown process.

#### Disk status

HDCleaner checks your drives for hard drive errors and corrects them if required. By clicking on 'Information' detailed information is displayed.

**Installed security software** shows you the installed anti-virus program, anti-spyware program and installed firewall. The state of the system recovery is analyzed and can easily be activated when deactivated.

**Security center** - HDCleaner checks the status of important security areas and shows a corresponding warning in the event of problems (e.g. not updated virus protection program). Checks the state of the firewall, automatic updates, antivirus, antispyware,

Internet settings, user account control (UAC), Windows Security Center service and all areas of the Windows Security Center. If the security center is deactivated, you can simply activate it here.

**System information** - information about RAM, CPU, operating system and graphics card. Detailed information by clicking on 'Information'

### • Clean up

#### Cleanup Assistant

HDCleaner offers 3 cleaning modes to clean your PC - simple cleaning, standard cleaning and advanced cleaning.

**Easy cleanup** - HDCleaner automatically searches for internet traces and junk files that can be easily deleted. No user settings are necessary for this.

**Standard Cleanup** - This option is for the standard user. The user determines which plugins should be deleted. Only the most common plugins are displayed.

**Advanced cleanup** - Expert mode is made for the savvy user. The user determines which plugins should be deleted. All plugins are displayed.

Under **Manage Cookies** ... you determine which cookies should be excluded from the cleaning process.

#### **Easy cleanup**

Determine the browsers from which internet traces, history and cookies are removed and determine whether the trash is emptied, whether temporary system files, temporary internet files and temporary application data should be removed. Then click 'Clean Now' to start the cleaning process.

#### **Standard or advanced cleanup**

Determine the plugins or modules to be cleaned in the settings of the browser cleaner, system cleaner, plugin cleaner or registry cleaner. In order to include the browser cleaners, system cleaners, plug-in cleaners or registry cleaners in the analysis or cleaning process, the respective checkbox must be activated.

To start the analysis process, click on 'Analyze now'. To start the cleaning process click on 'Clean the PC' and follow the instructions.

After the analysis, you can list the objects to be deleted under Details and select / deselect results individually using the checkboxes and then start the cleaning process.

To show the Cleanup Assistant, click on 'Show Cleanup Assistant'.

#### **• Data destruction**

The deletion options are set in the Options dialog box

##### **Permanently delete files**

All selected files and folders are deleted according to international standards, so that the deleted data on the data carrier can no longer be restored.

##### **Overwrite free space on partition**

No existing files or data are deleted, only the areas marked as free on the hard disk are overwritten so that they can no longer be reconstructed. Define the deletion method under 'Options'.

##### **Overwrite ALL data on the partition**

All files and data on the partition are deleted so that they can no longer be reconstructed! Once deleted, you will need to reformat the partition in order to use it. Define the deletion method under 'Options'.

##### **SECURE DELETION of data carriers (SSD, hard disk, stick ...)**

**SAFE DELETE deletes all data on an SSD and marks the cells as empty.** This will reset the **SSD to factory settings** and **peak performance**, and this will only take a few seconds.

A hard drive wipe erases all data on the hard drive. This can take several hours. **NOTE: The data can no longer be restored!** After deleting all partitions, you have to create at least one partition and THEN format it.

#### **•System**

##### **Uninstaller**

The uninstaller removes software, apps and optional features that are no longer required from your computer and frees up additional space on the drive.

##### **Autostart programs**

Optimize Windows system start. Disable programs that run automatically when the system boots or logs on.

##### **System recovery**

A system restore will restore your system settings to an earlier point in time. Your files will not be deleted or changed.

##### **Browser Helper Objects (BHO)**

Browser helper objects (BHO) are computer programs that expand the functions of the browser. Remove or disable unnecessary or dubious BHOs.

##### **System information**

The system diagnostic tool shows all relevant system parameters and software information.

##### **Hardware information**

The system diagnostics tool shows all relevant hardware information.

#### **•Hard disk**

##### **DiskDoctor**

DiskDoctor checks your hard drive and fixes any errors found

##### **Defragment**

Improve PC performance by defragmenting and rearranging files on the hard drive.

##### **DiskAnalysis**

DiskAnalysis lists the largest videos, music files, images and archive files that use the most space.

##### **Invalid link files**

Search for broken links that point to an incorrect folder or file name.

##### **Duplicate files**

Search entire hard drives, storage media or just individual directories for duplicate files.

##### **Swap file**

The pagefile.sys file serves as a memory reserve when other memory resources in the memory become scarce.

##### **Delete unimportant files from the hard drive**

With increasing use, more and more unnecessary files accumulate on Windows systems.

##### **Storage manager**

The file and storage manager shows how much hard disk space files or entire folders take up.

#### **• Tools**

##### **Recover deleted files**

Recover emails, photos, videos, PDF documents and various other deleted files.

##### **DirToHTML**

Clearly display the structure of all your data, files, folders and directories as a website (.html).

##### **AES - encrypt files**

Encrypt your sensitive data with 256-bit AES encryption.

##### **File splitter**

Splits large files into several small parts so that they fit, for example, on data carriers with limited memory, such as CDs or floppy disks.

##### **ADS scanner**

ADS-Scanner searches NTFS drives to detect alternative data streams. It is an NTFS technology that allows malware or other applications to hide files and data from Explorer and other file management programs. The latest browser hijackers have used ADS to hide their files, and few anti-malware scanners recognize it. Use the ADS scanner to find and remove these streams.

##### **Rename files**

Rename multiple files at once, e.g. remove any characters or replace text ...

#### **• Registry**

##### **Search the registry**

Quickly and specifically search the registry using detailed search options. All hits are clearly displayed in a list and can be sorted, deleted or exported as desired.

##### **Backup and restore of the Windows registry**

The Windows registry is the basis for the entire Windows configuration. It is a hierarchically structured database that contains everything that is relevant for the smooth operation of your computer.

##### **Defragment the registry**

Reorganizes your registry to avoid database problems. In addition to saving storage space, this also leads to faster access times and thus enables overall faster work.

#### **•Monitoring**

##### **Maximum performance through live tuning and automatic storage cleaning**

With HDCleaner you can set up the **automatic monitoring and cleaning** of your Internet browser when closing and the automatic storage space cleaning of your PC.

**Live tuner** changes the process priorities of individual applications to speed up their start-up process.

Monitor autorun entries in real time. If a program enters the autostart routine, you will be informed.

**Automatic memory optimization** with or without notice. (Period adjustable under options)

**System monitoring** cleans up your PC after reaching a defined threshold (period can be set under Options)

**Browser monitoring** monitors your browser and can automatically clean your browser files and settings when you close your browser or ask if you want to clean it up.

When you activate automatic monitoring, an **icon** is displayed in the **taskbar**.

#### **• Backup center**

Before making changes to your system, a backup of the deleted elements is created on request. So you can easily restore them in case of problems.

HDCleaner can create backups for the following modules:

Registry Cleaner, Remove Unnecessary Files, Autorun Manager, Search Registry and PluginCleaner (registry entries only).

You can easily reset these fuses if necessary.

To do this, determine the backup you want to restore and click on 'Restore' to restore the complete backup. Click 'Open' to restore individual items from it or click 'Delete' to delete the backup in the trash.

#### •Clone

Clone hard drive or SSD

This process copies the entire contents of a hard disk drive to another drive in order to get two identical drives with the same file structure, so it effectively copies all the contents from one hard disk to another hard disk. This process enables you to transfer all data (including the operating system and installed programs) from one hard drive to another without having to reinstall and configure all of your software. To do this, determine the source disk and the target disk and then click on 'Start'. Please note that when the cloning process is started, all data on the target disk is deleted and cannot be restored.

#### •Options

##### Settings

##### Set the language.

**Available languages:** German, English, Polish, France, Hungary, Chinese simplified, Chinese traditional, Korean, Slovak, Indonesian, Czech, Greek, Romanian, Hindi, Italian, Netherlands, Portuguese, Spanish, Turkish, Japan, Arabic and Russian.

**Jump to dashboard at startup** - Determine whether HDCleaner opens with the overview page or the last opened page.

Determine whether to delete files from the **Recycle Bin that are older than 24 hours**.

Determine whether files are deleted from the **Temp folder that are older than 24 hours**.

Determine whether files are deleted from the **SoftwareDistribution folder that are older than 10 days**.

Determine whether HDCleaner should **automatically check for HDCleaner updates**.

**User account control ignore warning** (ignore UAC) - For security reasons, a warning message appears before many system changes and program starts, which must be confirmed. You can switch off this query of the user account control for HDCleaner.

**Show warnings** - Some plugins have warnings that indicate the consequences of activation. You can also deactivate these warnings.

**Update system clean time** - Set the update time when monitoring the system clean.

**Optimize memory update time** - Set the update time when optimizing memory.

**Determine how HDCleaner deletes the files** when cleaning the plugins:

-Delete files not trash

-Delete files in the trash

- files will be destroyed (see 'destroy data')

##### When Windows starts, HDCleaner should

-Take no action

- Start cleaning and exit HDCleaner

- Start cleaning and minimize HDCleaner in the system tray

##### Determine whether to monitor

- Large information windows are displayed in the notification area

-Sound be activated for notifications

- Set the notification time for messages in seconds

##### Backup center

HDCleaner can create backups for the following modules:

Registry Cleaner, Remove Unnecessary Files, Autorun Manager, Search Registry and PluginCleaner (registry entries only).

You can easily reset these fuses if necessary.

##### Ignore list

Determine files, folders and registry values that should not be removed during the cleaning process. Wildcards (e.g. \* software \*) are allowed.

##### Include

Determine other files and folders to be removed during the cleaning process.

Wildcards (e.g. \* software \*) are allowed.

##### Context menu

Extend the context menu of the Explorer with HDCleaner:

-Add HDCleaner to the context menu of the Explorer

-Add HDCleaner to the context menu of the Recycle Bin

##### Destroy files

If you want to destroy files, overwrite free space, delete data on the partition or delete drives so that the data is securely deleted, you can select default settings.

Pseudorandom data

US DoD 5220.22-M (8-306. / E)

US DoD 5220.22-M (8-306. / E, C and E) "

Schneier's 7 pass

Gutmann

##### Maintenance

Start cleaning on a schedule - set schedule:

- run when logging in,

- Daily execution

-Weekly execution

-Monthly execution

Under Settings you determine which browsers and plugins should be cleaned.

NOTE: For the scheduling to work, the Windows Task Scheduler service must be running

##### User

Determine which user profiles HDCleaner should clean up

-Only the current user

-All user profiles

- Selected users: Specify a user and then click on 'Deactivate user' to exclude the user profile from the cleaning process.

##### Available plugins

List of all plugins supported by HDCleaner

#### •Advanced Usage

HDCleaner Command-line parameters:

"C:\Program Files\HDCleaner\HDCleaner.exe" /debug

Running HDCleaner in debug mode creates a log file with information of HDCleaner's activities for troubleshooting.

More HDCleaner Command-line parameters:

Parameter Explanation Example

HDCleaner.exe /S This performs a silent install of HDCleaner with default options.

HDCleaner.exe /S

HDCleaner.exe /D=<pathname> This installs HDCleaner into a different folder than the default. HDCleaner.exe /D=C:\DirectoryToInstall

Note: You can use multiple parameters by including them on the same line. For example,

HDCleaner.exe /S /D=C:\DirectoryToInstall

would install HDCleaner silently to the C:\DirectoryToInstall folder.

Information about HDCleaner INI files:

INI files must be stored in Unicode format.

Additional INI files must be located in the application installation folder (typically, C:\Program Files\HDCleaner).

With Winapp2.ini you can add entries for new software that HDCleaner can clean.

With Winapp1.ini any applications you list there will replace the default applications on the Applications tab.

With Winsys1.ini any entries you list there will replace the default applications on the Windows tab.

By default, none of the INI files exist when you first install the application.

LangSecRef gives the matching category:

3091 = Games

3021 = Applications

3022 = Internet

3023 = Multimedia

3024 = Utilities

3025 = Windows

3026 = Firefox

3027 = Opera

3028 = Safari

3029 = Google Chrome

3030 = Thunderbird

3031 = Windows Store

4060 = SRWare Iron

3005 = microsoftedge

3001 = Internet Explorer

3002 = WindowsExplorer

3004 = Advanced

3003 = System

4065 = ChromiumBrowser

4066 = Vivaldi

4067 = CentBrowser

4068 = EpicBrowser

4069 = SlimJetBrowser

4070 = 7StarBrowser

4071 = AmigoBrowser

4072 = CoolNovoBrowser

4073 = CocCocBrowser

4074 = CooWonBrowser

4075 = YandexBrowser

4076 = 360Browser

4077 = KMeleon

4078 = Waterfox

4079 = Iridium

4080 = SeaMonkey

4081 = Pale Moon

Example: LangSecRef = 3003 - the application should be listed in the System category

DetectFile=File or Folder to detect a program by the presence of a File or Folder

Detect=Registry key to detect a program by the presence of a Registry key

FileKeyX=Indicates the files or folders to be deleted

File mask options:

| - with the pipe symbol you can separate file mask options

\*.\* - deletes every file in that folder. Example: %ProgramFiles%\MyFolder]\*.\*

RECURSE - deletes subfolders with their contents. Example: %ProgramFiles%

%\MyFolder]\*.\*|RECURSE

REMOVESELF - same as RECURSE but it deletes the folder and all its contents

also. Example: %ProgramFiles%\MyFolder]\*.\*|RECURSEREMOVESELF (MyFolder

folder will be deleted)

\*.<extension> - deletes all files in the folder with the stated extension. Example: \*.txt

You can also clean certain file - Example: myfile.txt

RegKeyX=Indicates the Registry keys or values to clean

Registry keys are HKCU (HKEY\_CURRENT\_USER), HKLM

(HKEY\_LOCAL\_MACHINE) ...

Registry mask options:

| - with the pipe symbol you can clean a particular value of a registry key

EXAMPLES:

[MyProgram]

LangSecRef=3021

DetectFile=%AppData%\MyProgram

Default=False

FileKey1=%AppData%\MyProgram|logfile.\* - deletes every file with name logfile

FileKey2=%AppData%\MyProgram\MySubFolder]\*.log;\*.txt|RECURSE - deletes

recursive all log and txt files

[MyRegistryKey]

LangSecRef=3021

Detect=HKCU\Software\MyRegistryKeyToDelete

Default=False

RegKey1=HKCU\Software\MyRegistryKeyToDelete|valuetoDelete - deletes Registry

Value valuetoDelete

RegKey2=HKCU\Software\MyRegistryKeyToDelete\RegKeyToDelete - deletes

Registry Key RegKeyToDelete

**How to add Chromium based browsers, portable Chromium based browsers,**

**Mozilla based browsers or ThunderbirdPortable to HDCleaner:**

Create a ini-file named AddedBrowsers.ini in **Unicode format** in the installation

folder. The entries must have the following format:

[Name of Chromium ( or Mozilla or ThunderbirdPortable) based browser \*]

PathExeFile=This is the exe file name of the browser

PathUserDataDefault=Path to Default user data folder

Type=CHROME( or MOZILLA or THUNDERBIRD)

Examples:

[GoogleChromePortable\*]

PathExeFile=C:\portable\GoogleChromePortable\App\Chrome-bin\chrome.exe

PathUserDataDefault=C:\portable\GoogleChromePortable\Data\profile

Type=CHROME

[IronPortable\*]

PathExeFile=C:\portable\IronPortable\App\Iron\Iron.exe

PathUserDataDefault=C:\portable\IronPortable\Data

Type=CHROME

[FirefoxPortable\*]

PathUserDataDefault=C:\portable\FirefoxPortable\Data\profile

PathExeFile=C:\portable\FirefoxPortable\App\Firefox64\Firefox.exe

Type=MOZILLA

[K-MeleonPortable\*]

PathUserDataDefault=C:\portable\K-MeleonPortable\Data\profile

PathExeFile=C:\portable\K-MeleonPortable\App\K-Meleon\K-Meleon.exe

Type=MOZILLA

[ThunderbirdPortable \*]

PathUserDataDefault=E:\Software\ThunderbirdPortable\Data\profile

PathExeFile=E:\Software\ThunderbirdPortable\App\Thunderbird\Thunderbird.exe

Type=THUNDERBIRD

#### • Cookies

A cookie is a small text file that a web server stores on a user's computer using the browser. It contains information about the visit to a website, for example about the duration of the visit, which page was visited or what the visitor entered.

In online shops, cookies are used to create a virtual shopping basket in which the customer places his goods. In between, he can still search for products in the shop. In these cases, the use of cookies saves time and money. Cookies can also be used to log a user's usage habits and create user profiles.

When you run the cleanup, by default HDCleaner deletes all cookies for all your web browsers (Internet Explorer, Mozilla Firefox, Safari, Opera, etc.) with the exception of the cookies in the 'Keep cookies' column, which can be found in 'Manage cookies ...' located.

To save certain cookies on your PC:

In 'Clean up' click on 'Manage cookies ...' Select the cookies you want to keep and then with the real mouse button click on 'Keep cookies'.

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