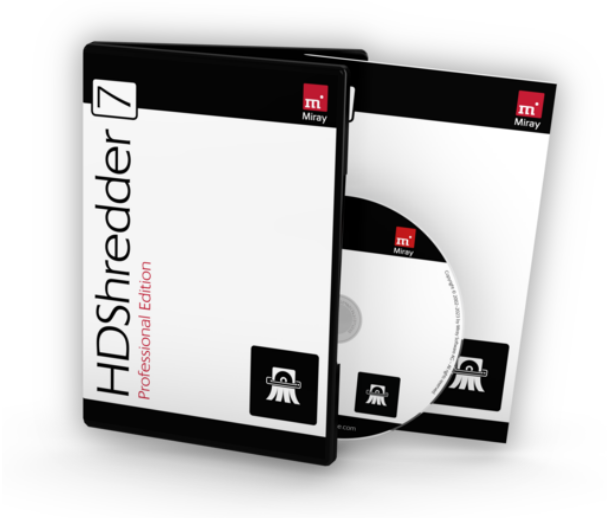
New Version



HDShredder 7 centers around three key aspects: working in the network, optimal Windows integration and adoption of current hardware standards. In all of these realms, HDShredder introduces a multitude of new features, significantly expanding its capabilities and offering numerous additional possibilities.

With the aim of simplifying the use of HDShredder 7 and unlocking a wider range of possible use cases, HDShredder 7 marks a distinctive leap forward with over 25 brand-new features, following two years of dedicated development. Our ultimate objective is to cater to the needs and requirements of our customers spanning across more than 170 countries.

What's New?

In the pursuit of providing exceptional benefits for various use cases, the focus of HDShredder 7 is directed towards three specific areas:

In HDShredder 7, reliable and secure data deletion now conquers network environments. Whether you require secure deletion via LAN for one or multiple disks, need to save certificates for completed deletions on a centralized server, or when it comes to controlling HDShredder remotely over the internet – HDShredder 7 effortlessly handles all these tasks both in Windows and self-booting.

HDShredder 7 users can now benefit from optimal integration with the full range of possibilities offered by Windows, such as the latest versions Windows 11, Windows Server 2022, and Windows-on-ARM. A dedicated EXE for Windows-on-Arm is now included, which has been developed specifically to ensure efficient use on Windows systems that are powered by ARM CPUs (e.g. Snapdragon). To provide quicker access to HDShredder, it is now accessible by simply right-clicking on a drive in the Windows File Explorer. HDShredder can now be executed in standard user accounts, eliminating the need for operators to have admin rights, also allowing them to utilize their usual subst and network drives. The on-board support for BitLocker disk encryption enables users to view these disks prior to deletion or to save deletion certificates on BitLocker-secured drives.

With respect to hardware support, HDShredder 7 introduces four new standards: UFS flash memory, USB 4, Thunderbolt 4, and UAS storage media are now fully accessible, allowing users to perform their customary secure deletions on the respective disk types. In addition, system hardware support has been expanded to include X2 APIC, NVMe and VMD RAIDs, and high-end CPUs. In the self-booting version, the broad network support has been extended by including LAN adapters from Broadcom, Marvell, and Atheros.

Take advantage of over 25 compelling reasons to utilize HDShredder 7 for your secure data deletion!

Details on ongoing improvements to HDShredder can be found online in the HDShredder changelog at:
https://www.miray-software.com/Changelog/HDShredder

HDShredder 7

New Features

Remote wiping – with NetDisk technology | 7.0 PE and up

Secure deletion directly via LAN. Especially for notebooks that contain built-in storage media and that come with only few USB ports, sanitizing disks via LAN is an ideal approach.

NetDisk Server app brings disks into LANs | 7.0 PE and up

The NetDisk Server app can be started on a computer in order to make its disks available over the network, so that they can be used as NetDisks by HDShredder running on a different PC.

NetDisk applet mounts NetDisks via LAN | 7.0 PE and up

Manages access to other PCs' disks, shared as NetDisks via LAN with the NetDisk Server app. It allows to mount remote NetDisks transparently on the local system used them like local disks.

NetDisk auto-discovery | 7.0 PE and up

Disks made available within the LAN via the NetDisk Server app are automatically visible in the NetDisk applet. In most cases, you will not have to enter the IP of the NetDisk server any more.

Network shares, SMB, NAS in HDShredder/S | 7.0 SE and up

The self-booting HDShredder variant now also offers the use of network shares and NAS devices in order to save secure deletion certificates and other files on the network.

LAN drivers – Broadcom/Marvell/Atheros | 7.0 FE/BE and up

The popular Ethernet controllers from Broadcom, Marvell and Atheros are now also supported by HDShredder/S.

Remote access – universal screen sharing | 7.0 PE and up

With its own integrated remote screen solution, the program screen can be mirrored to another PC via LAN. This can be achieved in all variants, incl. self-booting, It facilitates remote use as well as convenient central control in local networks.

Remote Access Switch – manage sharing | 7.0 PE and up

There is an online switchboard option available that can coordinate remote access between independent partners, e.g., the technician and the customer. The customer may dial in at any time and the technician can serve various customers either individually or as part of a team.

LAN adapter info in the System applet | 7.0 FE and up

The System Applet contains a new pane displaying information about the available LAN network adapters and ther IP adress configuration.

Windows 11 / Server 2022 compatible | 7.0 FE/PE and up

The Windows variant (HDShredder/W) and all secure deletion functionality are compatible with the newest Windows operating systems for servers and work stations.

Windows-on-ARM – Optimal Performance | 7.0 PE and up

There now is new, specialized support for Windows-on-ARM, which is often installed on notebooks and tablets. On these systems, HDShredder/W can now run with the fast operation speed that HDShredder users are accustomed to.
Please note: For ARM processor-based systems, a self-booting version (HDShredder/S) is not yet available. Instead, you can use HDShredder/W with Windows PE on these systems.

HDShredder in standard user accounts | 7.0 PE and up

HDShredder can now be executed without administrator rights ('non-elevated') and can therefore be run in standard user accounts.

Subst and network drives directly utilizable | 7.0 PE and up

Subst and network drives that were created in a standard Windows user account are now immediately available in HDShredder.

BitLocker applet – unlocking disks | 7.0 PE and up

The applet allows you to manage access to BitLocker-protected disks. These disks can be unlocked in order to read and write files and can then be locked again.
Note: Access to BitLocker-encrypted files requires that the respective recovery key is available.

Windows command shell integrated | 7.0 FE and up

A Windows shell can now also be opened in HDShredder/W. This is useful for remote access via the built-in remote assistance function. Since with this function only the HDShredder program screen is transmitted, the Windows command line can still be started and used.

Explorer integration for drives | 7.0 BE and up

In Windows (HDShredder/W), right-clicking on a drive in Windows Explorer will offer to start HDShredder directly for that drive.

UFS disks are now supported | 7.0 BE/PE and up

The new disk type UFS, mostly found in ultrabooks, can now be securely erased with HDShredder.

UAS standard for USB mass storage | 7.0 FE/PE and up

Integrated support for USB storage devices with UAS interfaces has been added, which enables the use of this new device category.

USB 4 – the latest USB standard | 7.0 FE/PE and up

Devices conforming with the USB 4 standard can be automatically detected and supported, provided the appropriate firmware is installed.

HDShredder 7

Thunderbolt 4 – with hot plugging | 7.0 FE/PE and up

Thunderbolt 4 standard conforming devices can be automatically detected and supported, provided the appropriate firmware is installed.

Thunderbolt hotplugging for HDShredder/L | 7.0 PE and up

HDShredder's self-booting variants now also support devices that are connected via Thunderbolt ports.

HDShredder/L64 – full 64 bit power | 7.0 PE and up

HDShredder/L, the self-booting, Linux-based variant of HDShredder can now also take advantage of the full 64 bit performance.

HDShredder/L – updated Linux | 7.0 PE and up

The integrated mini Linux has been updated to version 6.1.15 and now contains the latest Linux drivers for RAID and SAS controllers, WLAN and other device types.

FlashRefresh app – refresh flash memory | 7.0 PE and up

The flash memory of some SSDs, NVMEs, eMMC or UFS disks tend to "age" over time, just by being steadily powered. This becomes evident when a simple read access takes much longer than it used to. In some cases, the speed may dip below 1% of its original read rate. This app can "refresh" these disks in one run without deleting any of their data.

Help applet | 7.0 FE and up

Select a specific help source via the help symbol: in Windows, it can be useful to use the integrated help window in full-screen mode. In other cases, it is preferable to display it in the Windows help system or in the browser. The online help can be used self-booting via QR code on a second device (smartphone, tablet or additional PC/notebook).

Improvements of various features | 7.0 FE and up

Many features have been significantly advanced and improved, incl.:

- support of modern X2 APIC in high-end PCs,
- software RAIDs on NVMe and VMD are now also supported,
- optimization for systems with a high CPU core count,
- updated drivers for system and device hardware,
- adaptations to changes in file systems and operating systems.

Feature Matrix

The table below provides an overview of the main features that have been added to HDShredder, along with their availability in the respective editions. Unfilled dots (▫) indicate that, while the feature is available, it cannot be used to its full extent when working with the edition in question.

Ver.	New Features in HDShredder 6	FE	BE	SE	PE	EE
7.0	**Remote wiping** – with NetDisk technology				■	■
7.0	**NetDisk Server app** brings disks into LANs				■	■
7.0	**NetDisk applet** mounts NetDisks via LAN				■	■
7.0	**NetDisk** auto-discovery				■	■
7.0	**Network shares, SMB, NAS** in HDShredder/S			■	■	■
7.0	**LAN drivers** – Broadcom/Marvell/Atheros	▫	■	■	■	■
7.0	**Remote access** – universal screen sharing				■	■
7.0	**Remote Access Switch** – manage sharing				■	■
7.0	**LAN adapter Info** in the System applet	■	■	■	■	■
7.0	**Windows 11 / Server 2022** Compatible	▫	▫	▫	■	■
7.0	**Windows-on-ARM** – Optimal Performance				■	■
7.0	**HDShredder in standard user accounts**				■	■
7.0	**Subst and network drives** directly utilizable				■	■
6.0	**BitLocker applet** – unlocking disks				■	■
7.0	**Windows command shell** integrated	■	■	■	■	■
7.0	**Explorer integration** for drives		■	■	■	■

Ver.	New Features in HDShredder 6	FE	BE	SE	PE	EE
7.0	**UFS disks** are now supported		▫	▫	■	■
7.0	**UAS standard** for USB mass storage	▫	▫	▫	■	■
7.0	**USB 4** – the latest USB standard	▫	▫	▫	■	■
7.0	**Thunderbolt 4** – with hot plugging	▫	▫	▫	■	■
7.0	**Thunderbolt hotplugging** for HDShredder/L				■	■
7.0	**HDShredder/L64** – full 64 bit power				■	■
7.0	**HDShredder/L** – updated Linux				■	■
7.0	**FlashRefresh app** – refresh flash memory				■	■
7.0	**Help applet**	■	■	■	■	■
7.0	**Improvements of various features**	■	■	■	■	■

Information on Modifications

The following information pertains to modifications which do not represent features in the actual sense, yet which bring about a different or new program behavior in comparison to the previous version. Therefore, this information is specifically aimed at users of HDShredder 6 or older versions.

New apps marked with '+' in corner of icon

To make new and fundamentally modified apps stand out in the menu, the respective app icons have been marked with a '+' symbol in the upper right hand corner.

Changes to the QuickSelect tab

The NetDisk Server app has been added to this tab. The Partitioner app has been moved to the Tools tab.

Changes to the Tools tab

The Partitioner app has been moved to this tab from the QuickSelect tab. The FlashRefresh app has also joined the Tools tab. The apps have been regrouped. The shell apps have been removed and can now be found in the Toolbox applet.

New NetDisk applet (client)

The existing "Network Shares" applet and the new NetDisk applet have been colocated the new "Network Storage" applet group. It can be found in the system bar at the former location of the "Network Shares" applet.

New BitLocker applet

The new BitLocker applet was merged into the SafeDisk applet group, where the DiskQuarantine and ATA password applets are already located.

New Remote Access applet

The new applet for remote access was merged into the "Online Services" applet group.

NetDisk technology

The newly introduced NetDisk technology can handle disks over the network just as if they were local disks. In contrast to network shares or NAS, NetDisk also contains functions that are needed to directly access disks. As a result, it is possible to securely erase disks that are built into a remote PC or server.

Note: It is currently not possible to access NetDisks with the Spot file manager, for example in order to save a sanitization certificate. In these cases, please continue to use network shares for this purpose.

Network and “subst” drives

Users' network and subst drives that are set up in Windows are now also available in HDShredder/W. If needed, the previous behavior can be invoked with the option “Run as administrator” upon starting HDShredder.

Network shares in HDShredder/S & HDShredder/L

The NTLM protocol is required in the domain server network shares in order to use network shares in the self-booting HDShredder variants.

BitLocker drives

Thusfar, HDShredder had been able to securely ersase BitLocker drives in RAW mode, but it was not possible to analyze its contents. Now BitLocker drives can also be unlocked in the self-booting variants HDShredder/S and HDShredder/L to view and access files and folders.

Note: The BitLocker applet must be used to unlock in cases of regular file access (e.g. with the Spot file manager) or to store or open files.

Additional Executable File for Windows-on-ARM

To optimally support notebooks and tablets with ARM processors, an executable (.exe) file has been added specifically for these systems named “HDShredder.A64.exe”. This executable runs exclusively with Windows-on-ARM, and not on common Windows PCs. It is also started automatically on ARM systems when ‘HDShredder32.exe” is opened.

Open Screenshot and Log Folders (Self-Booting)

The applet entries “Saved Screenshots” and “Saved Log Files,” could previously only be used to open their respective folders in Windows in an Explorer window. These folders can now also be opened in the Spot File Manager when using the self-booting variants.