

O&O Defrag 25: Optimization and Health Check for all Disks

Berlin, September 14, 2021

Fragmented files not only slow down the computer, they can also shorten its life expectancy as a result of the tremendous amount of accesses they require. The new O&O Defrag 25 resolves both problems and goes even further: the S.M.A.R.T. functionality (Self-Monitoring, Analysis and Reporting Technology) we've now integrated notifies users of any problems and gives early warning about any impending crash of a disk.

O&O Defrag 25 provides sustainable increased performance, monitors the health and activity status of the PC and so manages to make a big difference in extending the service life of the system itself.

New: Analysing a drive's state of health with S.M.A.R.T.

In O&O Defrag 25 the S.M.A.R.T. functionality has been integrated for the very first time. This indicates the "health status" of hard disks, SSDs and RAID's whenever there is any problem. Such a problem could be a high temperature or an error reported by the drive itself. If there is anything unusual going on, a message will be displayed in the Windows Action Center.

New: New drive activity display in the Windows taskbar

In the new O&O Defrag version, read and write accesses on the computer will be more visible. Users can see the read and write operations currently being run on any drive displayed in the taskbar. A search on the respective drive can be started by right-clicking

New: O&O Defrag supports Windows CompactOS

Many new things have been added to the O&O Defrag engine that make using it, especially under Windows 10, even better. That's why version 25 now supports the Windows 10-integrated feature for compressing system files so that more space can be kept free.

SSD Optimization

Thanks to the SOLID/COMPLETE method, data fragments scattered on SSDs will be combined and saved in fewer memory cells. This results in read and write processes requiring fewer accesses to these memory cells in the future. After defragmentation, the SSD works faster and its lifespan is extended because fewer read and write accesses are needed.

And as always, everything happens automatically in the background. Even a change from hard disk to SSD will be recognized and the optimization strategy adjusted accordingly.

O&O Defrag supports all 64-bit versions from Windows 8 bis 11

O&O Defrag 25 Professional Edition is compatible with Windows 8.x and Windows 10. It has been optimized especially for low processor and memory capacity in older systems. A Server Edition of the new version 25 will be available shortly for Windows Server versions. O&O Defrag 25's compatibility with Windows 11 is already guaranteed!

Technological guarantee: fully functional under Windows 11

O&O Software guarantees that its top products will be fully functional with the final version of the new Windows 11. This means that all these products will be either directly usable under Windows 11 upon their release or a compatible version will be made available. This operability will be ensured by either low-cost upgrades or, in the case of minor upgrades (smaller version changes such as from 25.0 to 25.5), provided free of charge.

New and enhanced Features

NEW: Health checkup with S.M.A.R.T.: The newly integrated S.M.A.R.T. functionality in O&O Defrag 25 displays the “health status” of hard disks, SSDs, and RAIDs; problems such as high temperatures or an error reported by the drive itself will be detected. This is where S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) goes into operation.

NEW: Deskband for displaying drive activity in the Windows taskbar: Starting with O&O Defrag 25, users can have the the current read and write operations on any drive displayed in the taskbar.

Install & That’s All: After installation, no further settings need to be configured. The program selects and implements the defragmentation method best suited to the system.

Windows CompactOS support: O&O Defrag 25 supports the Windows 10-integrated feature for compressing system files so that more space can be kept free.

The defragmentation method SOLID/COMPLETE: SSDs save file fragments on more memory cells than needed. The resource and hardware friendly SOLID/COMPLETE method defragments these file fragments so that only the number of memory cells required will be used for reading and writing in the future. SOLID/COMPLETE can be used on both SSDs as well as hard disks.

SOLID/QUICK: This method designed especially for SSDs can provide them with a surface optimization. This method is faster than COMPLETE.

O&O Defrag: The STEALTH and SPACE defragmentation methods have been further optimized for the fastest possible defragmentation, while the COMPLETE methods allow for a more complete defragmentation. This of course, requires more time and memory. The optimal utilization of existing storage space also prevents any new fragmentation. All methods can be applied to any drive, including Volume and Stripe Sets, and of course guarantee maximum reliability.

Block view of SSDs: to visualize the difference between saving data on an SSD and a hard disk, the block view illustrates the logical construction of an SSD.

Statistics: O&O Defrag provides information about the number of files and folders that were defragmented as well as the number of Bytes that were moved in the process (so-called Terabytes Written-TBW). This information is needed for a number of reasons, for instance, the guarantee on an SSD.

O&O DiskCleaner: Searches for and removes temporary and superfluous files that use up memory and increase fragmentation. O&O DiskCleaner also increases the data protection and security of a system as such files often contain private content (e.g. Thumbnails, document copies, email drafts, Dumps) as copies.

Supporting vertical contrast modes: The current version has improved the high contrast mode to facilitate recognizing objects on the screen.

Variable DPI settings: O&O Defrag adapts optimally to the selected DPI setting.

User interface: The O&O Defrag user interface went through a general overhaul to make the intuitive use even easier.

Shorter defragmentation times: With O&O Defrag, several drives can be defragmented simultaneously. In addition, the algorithms have been substantially accelerated, reducing the time required for a defragmentation by up to 35%.

Automatic defragmentation: Automatic defragmentation is enabled by default after the installation of O&O Defrag and optimizes the disks in the background without slowing down the performance of the computer. Special procedures are initiated here to monitor the disk activity and ensure optimal use of system resources.

Optimizing virtual machines (VMs) and Storage Area Networks: O&O Defrag optimizes the actual memory allocation for virtual machines and SANs. O&O Defrag is especially useful for the host system of VMs to place the virtual storage areas that are created in the file optimally.

Evaluation and analysis: Whenever the program is started, a manual analysis of all drives can be made and the level of fragmentation for each drive is displayed. It is also possible to display the most heavily fragmented files as well as the physical location of fragmented files on the hard disk. A dynamic block view appears during defragmentation and with the help of a before and after view, the user can get a total picture of the system's optimization.

History: O&O Defrag has clear graphics that display which defrag action has led to which optimization success.

Power management for Netbooks and Notebooks: As soon as mobile systems such as Notebooks or Netbooks are no longer connected to external power sources, the defragmentation is interrupted so that the full battery power is available for mobile workers.

Zone filing on drives: A logical separation of data into performance-critical and non-critical files is conducted through an alternative setting which divides drives into so-called zones. Files are sorted based on their use and access frequency and moved into appropriate zones. For example, system and program files that need to be accessed very quickly are separated from other data such as documents and downloads. Fragmentation is prevented intelligently through the separation of files written rarely or frequently. This logical arrangement not only shortens the duration of the system or program start, but also prevents fragmentation of program files from ever occurring.

Automatic update: O&O Defrag automatically checks if newer program versions are available and so can guarantee that defragmentation is always done using the latest technology.

Pricing and Availability

A single O&O Defrag 25 license costs 29.95 USD. A license valid for use on up to 5 computers costs 49.90 USD. The O&O Defrag 25 Server Edition, optimized for use in companies, will be released in the near future. All prices include 19% VAT where applicable.

Interested users can download a free 30-day trial of O&O Defrag 25 Professional Edition from the O&O Website: <https://www.oo-software.com/oodefrag/>.

About O&O Software

O&O develops solutions for corporate customers that not only support them in their daily activities, but also help substantially reduce their costs. Our products for system optimization, data imaging,

data recovery, secure data deletion and company-wide administration are pioneers in the Windows technology sector. Together with our worldwide network of partners, we support corporations, companies, public authorities and private customers in over 140 countries, all from our headquarters in Berlin, Germany.

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