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O&O Defrag 22 – SSDs can now be used longer thanks to SOLID, a brand new defragmentation method

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SSDs have many advantages: they are fast, compact, and powerful. Their lifespan is determined by the number of read and write accesses. Saving data that's been scattered shortens this lifespan. Wear and tear is one of the main problems when using SSDs. O&O Software's new SOLID is it's most resource and hardware-friendly defragmentation method to date. It extends SSD lifespan considerably.

O&O Software GmbH, founded 1997 in Berlin, introduces O&O Defrag 22. This latest version of its celebrated tuning solution has been especially developed to help prolong the life cycle of SSDs. The problem: SSDs save file fragments over as many as ten memory cells even though a much smaller number of cells would be enough.

O&O Software has developed the new SOLID defragmentation method. Under the SOLID method, scattered files are defragmented so that fewer memory cells will need to be read in the future. The result is an SSD that works faster with the number of read/write accesses reduced by defragmentation.
During development, one positive side effect came to light when we tested SOLID on "classical" hard disks: it turned out to be O&O Defrag's most resource and hardware-friendly defragmentation method ever while still managing to achieve the best results. This makes SOLID the new standard for defragmentation.

As a result of user requests, the current version now has an integrated counter that indicates the number of bytes that were rearranged as a result of defragmentation. This information can be seen in the drive status and in reports. Such material is needed by SSDs for, among other reasons, warrenty information i.e., the so-called "Terabytes Written" value.
In addition, the optimization for virtual machines in O&O Defrag 22 has been further developed for our corporate users. Along with defragmenting the virtual machine, it's now possible to defragment the host and thereby achieve the best performance on both host and any of its virtual machines.

Data security and performance optimization in one sweep

O&O Defrag deletes unused hard disk space when needed and overwrites it securely. This prevents confidential content leftover from unsecurely deleted data and temporary files from falling into the wrong hands. To do this we use the latest technology from our data security product, O&O SafeErase.
With this one-of-a kind combination of both technologies, the PC is able to be optimized as well as protected against the restoration of unwanted files.

O&O Defrag supports both new and older Windows versions

O&O Defrag 22 Professional Edition is natively compatible with Windows 7, 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 22 will be available shortly for Windows Server versions.

New and enhanced Features

SOLID defragmentation method: SSDs save file fragments on up to 10 memory cells. The SOLID method defragments these file fragments so that only one memory cell will need to be read in the future. And it does so by going easy on resources and hardware. SOLID can be used on both SSDs and HDDS.

O&O DiskStat: Limited memory capacity is still the rule on many notebooks. O&O DiskStat's complete analyzing program provides a quick overview of hard disk usage. This makes it easy to search for files and folders that might be taking up too much valuable space on the hard disk and slowing down the computer. The latest version can defragment selected files and folders. Along with an intuitive interface and interactive diagrams for navigation as well as DrillDown, this versatile tool provides further options for detecting space wasters.
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.

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) und 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 22 license costs 29.95 USD. A license valid for use on up to 5 computers costs 49.90 USD. The O&O Defrag 22 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 22 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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