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O&O Defrag 22 – Longer lifespan for storage media in computer centers and businesses

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The new SOLID method from O&O Defrag 22 is the most resource-friendly and hardware sparing defragmentation method to date and it extends the life expectancy of SSDs and HDDs considerably. Thanks to this new Edition for Windows desktops and Windows servers, O&O Defrag 22 can now also be managed across a network.

With the release of the O&O Defrag 22 Workstation and Server Editions, O&O Software GmbH – founded in Berlin in 1997 – presents the latest version of its program for system optimization, designed to increase and improve disk performance and durability on modern desktop and server systems. In view of the ever increasing use of SSDs in the server sector, expenses can be reduced dramatically by simply extending their lifespan. The problem: SSDs save file fragments on up to ten or even more memory cells, even though a much smaller number would be enough.

O&O Software developed the new SOLID defragmentation method for exactly this reason and has integrated it into O&O Defrag 22. Under the SOLID method, these 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. Being able to optimize and protect both kinds of disks is especially advantageous for modern computer centers that process enormous volumes of data per second. Any down time they experience can result in great expense, and not only from a financial aspect.

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.

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.

Windows Server 2019 Support: O&O Defrag 22 supports the new Windows Server 2019 in all

available Editions.

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.

Manage O&O Defrag across a network: Together with the optional O&O Enterprise Management Console, O&O Defrag can be managed and controlled remotely from a central point in the network. The Console not allows users to perform defragmentation tasks on individual computers, servers or entire sites, it can also automatically install and update O&O Defrag remotely. All events are logged in detailed reports and stored in the database so that the success of a task's execution is evident at all times.

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.

Data security: O&O Defrag can delete any unused hard disk space whenever needed. This prevents confidential material from only partially-deleted and temporary files being viewed by third parties.

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%.

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.

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.

Defragmentation methods: 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.

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.

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.

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.

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.

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.

Pricing and Availability

O&O Defrag 22 Server Edition is priced at 199.00 USD. O&O Defrag 22 Workstation Edition can be managed across a network and costs 39.00 USD. Both Editions can also be purchased as volume licenses under scaled discount pricing. The O&O Enterprise Management Console for central management will be available at a later time and will cost 499 USD. All prices include 19% Sales Tax where applicable.

Interested users can download a free 30-day trial version of the O&O Defrag 22 Server Edition directly from the O&O website: https://corp.oo-software.com/en/performance.
Information regarding volume licensing can be requested here: https://www.oo-software.com/order-defrag-server.

Details about O&O Authorized Partners can be found under https://www.oo-software.com/en/order/reseller/.

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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