

## O&O Defrag 21 Server Edition – Reduce strain on hardware, extend life span

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O&O Defrag not only speeds up access to hard drives measurably, it can also extend their life span for up to three years by reducing mechanical stress. This, in turn, helps prevent system failure and saves money by getting more life out of the hardware.

Nowadays, local server systems are increasingly used as a link between the local network and the cloud. As a result of there being fewer and fewer server units in the field, servers are exposed to higher loads and have to meet increasing performance requirements faster than the hardware can be replaced. These replacements can wind up being very expensive as well as time-consuming because setting them up means frequent downtime and manual installation by the IT staff.

With very little effort, O&O Defrag achieves significant increases in performance while running fully transparent on any server system. And this without any disruption of ongoing operations! Its integrated activity monitors regulate system optimization, making sure the product only runs while the system is at minimum capacity, which guarantees optimal use of system resources.

When it comes to data backup, the heavy data volumes currently involved make time itself a critical factor. Many companies can hardly find a large enough time frame for making any complete backups. O&O Defrag can be of great help here as well by the way it saves files on server systems. Having files in order means they can be read much faster and so backups can again be finished on schedule.

With O&O Defrag 21 Server Edition, O&O Software GmbH, founded in Berlin in 1997, releases the latest version of its system optimization program to help solve these problems for all Windows systems.

The defragmentation algorithms have been further improved to conserve system resources and improve the file placement strategy for even faster file access.

### **Even better optimization of virtual machines**

The optimization of virtual machines has been developed even further in O&O Defrag 21, especially for our corporate clients. In addition to virtual machine defragmentation, it's now possible to defragment a file on the host to achieve the best possible performance on both the host and its virtual machines.

O&O DiskStat has been introduced as a free, separate program for O&O Defrag users, allowing them to detect and remove large, unnecessary files so that they can make more room whenever disk space is needed.

As requested by many customers, the O&O DiskCleaner feature in O&O Defrag has been further optimized to allow automatic deletion of unnecessary files followed-up by defragmentation to achieve maximum performance.

## 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,

By 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

The new O&O Defrag 21 Server Edition supports all versions starting from Windows 2003 up until the new Windows Server 2016.

## New and enhanced features

**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.

**Improved optimization of SSDs:** File systems on SSDs fragment heavily. O&O Defrag uses SSD Optimizer, an optimization process tailored specifically for SSDs that removes and prevents extreme fragmentation. It also does without unnecessary write operations and optimizes them with regular TRIMs. The result is that the performance and the lifespan of the drive is prolonged – a process that you can control as the user.

**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 Notebooks:** As soon as mobile systems such as Notebooks 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.

**Windows Server 2016 Support:** O&O Defrag 21 supports the new Windows Server 2016 in all available Editions.

## Pricing and Availability

O&O Defrag 21 Server Edition costs \$199.00 O&O Defrag 21 Workstation Edition can be controlled across a network and costs \$ 39,00. All prices include 19% VAT where applicable. Both editions are also available as volume licenses at much more favorable terms. The O&O Enterprise Management Console for centralized network control will be available later and cost \$ 499.00.

Interested users will find a free 30-day trial version of O&O Defrag 21 Server Edition on the O&O website under: <https://www.oo-software.com/en/products/oodefrag/corporate>.

Information about volume licensing can be requested here: <https://www.oo-software.com/en/products/oodefrag/pricing#volumelicense>.

An overview of O&O authorized resellers can be found at <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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