

O&O Defrag 25

Server Edition



O&O Defrag 25 Server: Avoid downtime on Windows Server Systems

O&O Defrag Server can increase long-term performance as well as monitor the health and activity status on Windows Servers and PCs. It also extends the overall life expectancy of systems while reducing downtime significantly. The new O&O Defrag 25 Server Edition now offers even more: the integrated S.M.A.R.T. feature (Self-Monitoring, Analysis, and Reporting Technology) warns users about problems that arise and informs them early enough about impending crashes on any particular disk. In this way, Windows Servers can be quickly adjusted and downtime avoided.

Analysis of drive health with SMART technology

In O&O Defrag 25, the S.M.A.R.T. feature has been integrated to indicate the health status of hard disks, SSDs, and RAID5. If the temperature in a device gets too high or a drive reports an error, a notice will appear over the Windows Action Center.

With „Install & That's All“ for 100% automation!

With O&O Defrag, we present our “Install & That's All” function, a world's first! Especially now, with many of us working from home, the reliable and optimal performance of our PCs is more important than ever. Time is also of the essence. That is why we have developed “Install & That's All”. All you have to do is install the program and O&O Defrag does the rest, fully automatic, in the background and with no impact on your system. It saves you the time and stress of configuration, letting you focus on the important things.

With SSD optimization SOLID/COMPLETE

The problem: SSDs store file fragments spread across many blocks, even though much fewer would suffice.

This is where O&O Defrag goes to work with its new SOLID/COMPLETE method: scattered file fragments will be reconnected and saved in fewer memory cells. This leads to fewer read and write accesses to these memory cells. The result is the SSD running faster and its life expectancy increased on account of reduced read and write accesses.

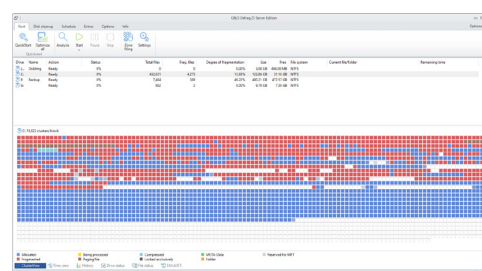
Along with the new SOLID/COMPLETE, the existing SOLID/QUICK method has been extended: it is now faster than COMPLETE and suitable for an occasional faster defragmentation:

SOLID/COMPLETE: This method, developed specifically for SSDs, is a thorough optimization of the SSD.

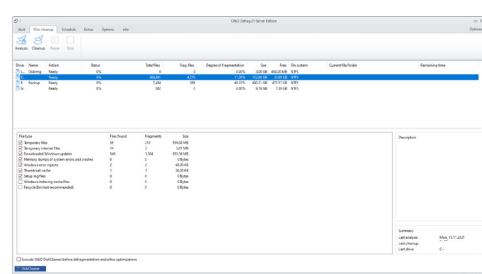
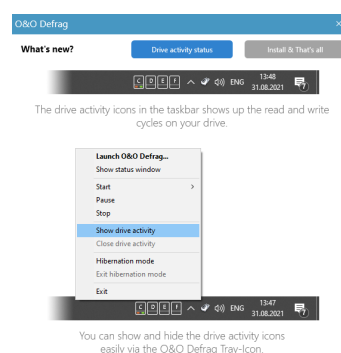
SOLID/QUICK: This method, developed specifically for SSDs, performs a superficial optimization of the SSD. This method is gentler and faster.

The most comprehensive system performance application for all your disks

A positive side-effect of developing the defragmentation method SOLID has been found in tests on „classic“ hard disks: it is O&O Defrag's most resource and hardware-friendly defragmentation method ever, with optimal results, and sets the new standard for defragmentation. As we mention above, files are also fragmented on SSDs. Data is often distributed to more memory cells than would be necessary. By defragmenting an SSD using our new method SOLID, it is possible to reduce the number of cells used to store file parts down to significantly fewer. This ability to optimize and protect both disk types is a prerequisite for today's data centers that handle mass data per second, and where downtime costs a significant amount of money.



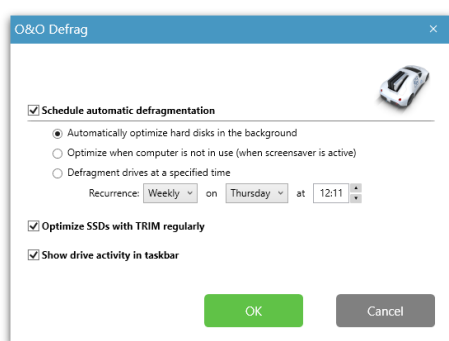
O&O Defrag Start Page



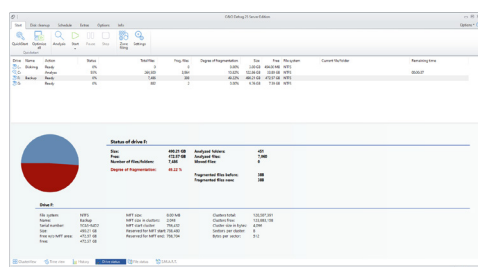
O&O DiskCleaner

O&O Defrag 25

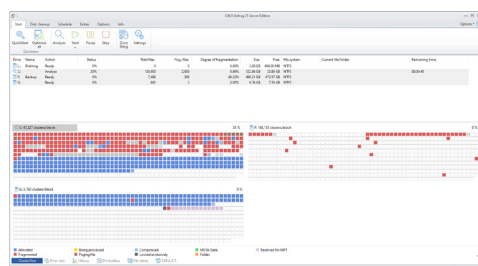
Server Edition



Quick start



Drive status



Drives

O&O DiskCleaner

In-built O&O DiskCleaner searches for and removes temporary and unnecessary files that are taking up memory and increasing fragmentation. O&O DiskCleaner also increases the security of your data, as private content (e.g. Thumbs.db, copies of documents, drafts of emails, Dumps) will no longer be kept as copies in unnecessary system files.

Your privacy is our priority

Our latest version of O&O Defrag can also be used for deleting free space on hard disks. This prevents traces of confidential data left over from partially-deleted or temporary files from falling into the hands of any strangers.

Automatic optimization

The Server Edition of O&O Defrag gives you the option of choosing between the new automatic optimization and an all-inclusive, individual configuration. After installation, automatic optimization is the default setting and it guarantees you improved performance without the need for any time-consuming configuration. Your disks will be optimized behind the scenes without limiting your server's performance in any way. Individual configuration allows you, among other things, to setup O&O Defrag for defragmenting as soon as a certain level of fragmentation is reached on a hard disk or partition. Defragmentation can also be scheduled for a particular day of the week, or whenever a screensaver is being used. You can pause and resume defragmentation whenever you want because O&O Defrag automatically recognizes where defragmentation was interrupted.

Other benefits of a well-organized hard disk

The read heads of a hard disk when reading an orderly (defragmented) hard disk are far less stressed and worn out, which substantially extends the life of your hardware. Even in the event of data loss, you have better chances of making a full recovery if you defragment. Data recovery software such as O&O DiskRecovery can reconstruct files saved after a defragmentation much easier than files that are spread across multiple areas of your hard disk.

Measurable Success

Thanks to clearly displayed graphics and statistics, you can monitor the success of regular defragmentation. After every run you get a graph showing the before-and-after stats. You can then base your configuration of the program on these statistics to optimize the success yet more.

Optimizing Solid State Drives (SSDs)

Through the use of periodic ATA TRIM commands, your Solid State Drives will be kept informed of those disk areas that are not being used. The drive will then be able to use these free areas for a drive-internal optimization of data management, instead of as a storage location for the contents of data that is no longer needed. After optimization, SSDs will be able to access data faster and minimize the wear on flash chips.

O&O Defrag 25

Server Edition



Customize the O&O ActivityMonitor

In the O&O ActivityMonitor, you can define the level of system load at which an automatic optimization should start and the maximum percentage of system performance O&O Defrag is permitted to use. The O&O ActivityMonitor periodically measures the server's level of capacity. It controls the amount of power O&O Defrag can use and adjusts it to the current status of the system. This allows users to continue working on a server while a defragmentation is running in the background.

Boot-time defragmentation

O&O Defrag can run defragmentation while Windows is being started. Optimization is normally done in the background while the server is being used. This allows you to continue working undisturbed. There are, however, some system files that the operating system purposely blocks during operation. These files can only be defragmented when they're no longer being blocked by the operating system. This is possible before a Windows login, during the so-called Windows startup process. As there are no operating system processes running at this time and the user is unable to start any programs, this period is referred to as boot-time defragmentation.

Automatic job execution

A periodic defragmentation is the key for maintaining a maximum performance level. There's no longer any need for running a manual defragmentation every time; O&O Defrag offers a clever scheduling feature which does the job for you. Using defragmentation jobs, you can define the starting point, the action, and other parameters for any defragmentation. You'll be able to create jobs, change them, or delete them. If a job isn't needed at the moment, but you don't want to delete it, it can be disabled. The job will not be run until you enable it again.

Status reports

Status reports keep you informed about the level of performance of your computer's drives. O&O Defrag provides you with status reports containing general information about a drive, the file system, any defragmentation job that was run, and the results. Also included are detailed lists about files whose size or level of fragmentation might have a negative impact on the system's performance.

Using the command line version

You can also control defragmentation by using the command line version of O&O Defrag. This allows you to run O&O Defrag via scripts that can be used, for example, to startup a system or when users login.

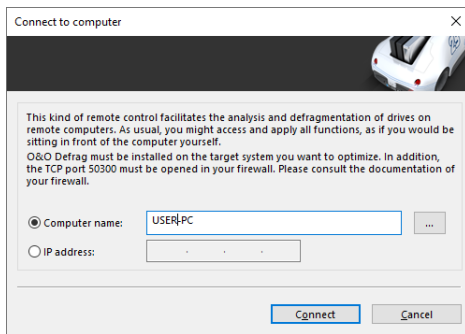
Job assistant: General

Job assistant: Schedule

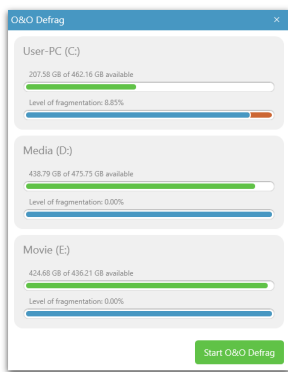
Job assistant: O&O ActivityMonitor

O&O Defrag 25

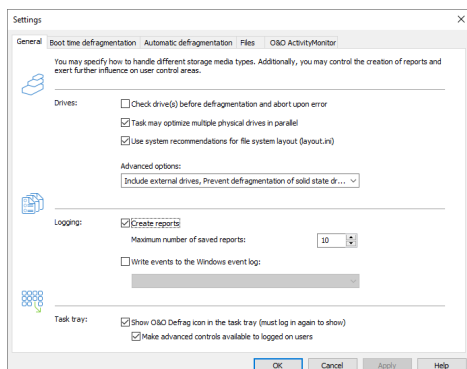
Server Edition



Connect to computer



Task tray



O&O Defrag settings: General

Data sorted into zones

Sorting drives into zones results in a logical separation of the database into performance- critical and non-critical files. Files are divided and moved into zones according to their designated use and access frequency. The hard disk can also be sorted into zones that meet your own requirements. As a result of separating files based on how often they need to be written, it's possible to intelligently prevent fragmentation from occurring. Thanks to this logical organization of files, you'll need much less time for accessing files or starting your system and programs. Successive defragmentation will also take much less time, and all the classical server jobs can be accomplished more quickly.

Defragmentation methods STEALTH, SPACE and COMPLETE

STEALTH and SPACE are optimized for the fastest possible execution of the defragmentation, whereas the COMPLETE methods achieve a more complete defragmentation. This requires more time and memory. Further fragmentation is prevented by making the best use of available space. All the methods can be applied on any drive, including volume and stripe sets, and all methods offer of course maximum reliability.

The most comprehensive tuning application for all your disks

A positive side-effect of developing the defragmentation method SOLID has been found in tests on "classic" hard disks: it is O&O Defrag's most resource and hardware-friendly defragmentation method ever, with optimal results, and sets the new standard for defragmentation.

As we mention above, files are also fragmented on SSDs. Data is often distributed to more memory cells than would be necessary. By defragmenting an SSD using our new method SOLID, it is possible to reduce the number of cells used to store file parts down to significantly fewer.

Made in Germany. Made in Berlin.

All O&O products are developed and serviced in Berlin. We at O&O are proud of our German heritage, and proud to represent the quality, security and satisfaction long associated with products "Made in Germany". We take the concerns of our customers very seriously because we know just how important their data is for them. For further information, please visit our website: www.oo-software.com

O&O Defrag 25

Server Edition



ClusterInspector

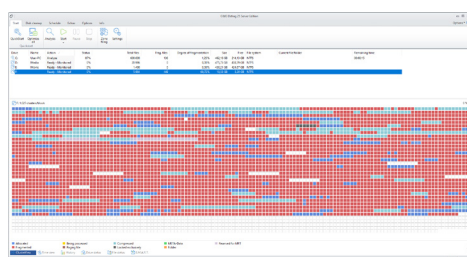
Start cluster	Number of...	Fragments	File size	File
13.733.134	1.840	0	0 Bytes	Free
13.734.974	95	3	1,71 MB	C:\Program Files (x86)\Common Files\Adobe\O...
13.735.069	147	5	2,03 MB	C:\Program Files (x86)\Common Files\Adobe\O...
13.735.216	4	1.752	127,04 MB	C:\Windows\System32\MRT.exe
13.735.220	348	3	2,39 MB	C:\Program Files (x86)\Common Files\Adobe\O...
13.735.568	144	0	0 Bytes	Free
13.735.712	286	1	1,11 MB	C:\Windows\WinSxS\amd64_microsoft-window...
13.735.998	1	1	2,29 KB	C:\Windows\servicing\LCU\Package_for_Rollup...
13.736.999	1	1	2,48 KB	C:\Windows\servicing\LCU\Package_for_Rollup...
13.736.000	3	0	0 Bytes	Free
13.736.003	1	1	927 Bytes	C:\Program Files\Common Files\Adobe\Creativ...
13.736.004	8.448	1	33,00 MB	C:\Windows\servicing\LCU\Package_for_Rollup...
13.744.452	10.868	1	48,09 MB	C:\Windows\Dump_OOFGAG_1.0.278_202172719...

ClusterInspector

S.M.A.R.T.

Drive	Model	Capacity	Health	Temperature	Power	Spin	Seek	Write	Read	Latency	Throughput
0	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
1	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
2	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
3	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
4	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
5	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
6	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
7	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
8	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
9	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
10	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
11	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
12	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
13	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
14	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
15	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
16	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
17	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
18	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
19	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
20	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
21	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
22	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
23	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
24	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
25	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
26	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
27	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
28	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
29	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
30	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
31	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
32	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
33	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
34	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
35	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
36	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
37	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
38	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
39	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
40	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
41	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
42	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
43	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
44	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
45	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
46	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
47	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
48	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
49	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
50	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
51	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
52	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
53	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
54	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
55	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
56	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
57	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
58	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
59	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
60	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
61	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
62	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
63	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
64	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
65	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
66	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
67	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
68	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
69	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
70	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
71	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
72	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
73	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
74	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
75	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
76	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
77	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
78	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
79	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
80	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
81	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
82	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
83	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
84	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
85	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
86	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
87	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
88	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
89	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
90	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
91	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
92	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
93	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
94	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
95	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
96	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
97	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
98	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
99	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%
100	ST3000DM007	3000 GB	Good	45°C	100%	100%	100%	100%	100%	100%	100%

S.M.A.R.T.



Highlights

- Analyze your PC drives health with S.M.A.R.T. Functionality
- Deskband to display drive activity in the Windows taskbar
- "Install & That's All": Install the program and O&O Defrag does the rest, fully automatic, in the background and with no impact on your system.
- Windows Compact OS Support: O&O Defrag supports the Windows Compact OS compression feature, helping free up space
- Quicker Installation: We have made the program installation process even quicker, saving you even more time.
- SOLID/Quick: This method, developed specifically for SSDs, performs a superficial optimization of the SSD, such as erasing the free space. This method is gentler and faster.
- SOLID/Complete: This method, developed specifically for SSD