O&O Defrag Server Edition optimizes backup performance

About SMI

Since 1987, Systems Management Inc. (SMI) has help-ed a variety of clients make technology work for their businesses - from private and public corporations to government agencies with integrated applications running in multitiered, multinational computing environments. Headquartered in Portland, OR. and with offices in the San Francisco area and Southern California, SMI is a full service provider to customers throughout the U.S. west coast and worldwide. SMI's resources have on average 20 years of professional technology experience, including 8-10 years of experience with JD Edwards, Oracle, and related platforms.

The Challenge

SMI is doing a backup of their system on a daily basis. These backups, sometimes up to 400 GB, go to a disk during the night time and then to tape during the day. It's acknowledged as an open issue by vendors of backup software, that this scenario might lead to a heavily fragmented disk which will cause the verify jobs of the backup software to fail the Checksum Test. The reason for that is because fragmented files make this process excruciatingly slow which may lead to a corrupted backup.

A corrupted backup costs time and money since the process needs to be run again and it's not even certain it will work afterwards or whether the checksum test will fail again. In the case of a disk failure a corrupted backup might even be worse since it could lead to a complete data lost.

The Solution

Using a professional defragmentation solution can effectively eliminate fragmentation, leading to vast improvements in a system's performance during routine backups.

"O&O Software saved us from having to completely re-think our backup strategy."

"We tried many products, but only O&O Defrag Server is able to defrag these enormous, sometimes 400 GB files. All other products we tried simply couldn't do it, even though we have more than doubled the disk space available, and several GB of RAM. Many of them didn't even try, they simply failed." said H. Scott Brown from SMI.

O&O Defrag Server Edition

empowers system administrators with the ability to configure defragmentation jobs for any network storage volume through the O&O Enterprise Management Console, or any other standard management console - all from the comfort of their own desk. O&O recommends the SPACE or the COMPLETE/MODIFIED methods while defragmenting backup servers. For storage volumes with limited free disk space, the STEALTH method is recommended.

The Product

O&O Defrag Server Edition securely optimizes a company's servers, maximizing their operational performance and durability. Whether it is a terminal or web server, a print server or an application server, O&O Defrag Server Edition can automatically be adjusted to fit any scenario. With its integrated network management system, O&O Defrag gives administrators the tools they need to comfortably distribute and control Defrag on their client workstations, taking advantage of new options such as O&O OneButtonDefrag entirely from their own workstation.

As the world's only professional defragmentation software, the internal communication between O&O Defrag's individual programmed components is based on open standards and uses TCP/IP as its main communication protocol. For this reason, O&O Defrag is easily integrated into company networks of any size. Should the size of the network change, the built-in network management can be used to easily add new servers or workstations to the network.