

Seagate Creates Impressive Display of High-Density Storage Performance and Value with Savvio Drives

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[Seagate Technology](#) is demonstrating the powerful benefits of high-density [storage](#) that delivers greater I/O performance in a smaller footprint. Savvio, the industry's first 2.5-inch enterprise-class hard drive, increases system performance density, otherwise known as IOPS-per-U, enabling space-saving systems that can manage higher workloads. The demonstration validates the expectations of 125% IOPS-per-U improvement for today's innovative 2.5-inch-enabled storage arrays. According to IDC estimates, data center space costs are a major concern as the average space costs can range from \$500 to \$1,000 per square foot. Savvio-enabled systems address this concern and will assist IT professionals in consolidating data center space.

The demonstration features Seagate's innovative 2.5-inch Seagate Savvio disc drives, which are housed in a StorCase InfoStation® 10-bay 1U SCSI enclosure. The Savvio-equipped system is loaded with 10 drives that all fit within a 1U-rack enclosure, while a second comparison array tested includes a dozen 3.5-inch drives that require a full 2U of rack space. The 10-drive array performs equivalent to the 12-drive array in performance, but does it in just half the space. The demonstration and test system components will be shown throughout the week at the Intel Developer Forum and can be viewed at Seagate's booth #444.

"With the growing need of storage at all enterprise levels, many forward-thinking data center managers are already planning ahead to find ways to

maximize their data center space," said Jeff Loebbaka, Seagate vice president of global marketing. "The advantages of the use of Savvio drives can be tremendous at the enterprise level and include the reduction or elimination of added enclosures, racks, cabling, and even entire rooms or buildings."

At IDF, Seagate is also showcasing a tiered-storage SAS (Serial Attached SCSI) array that combines SAS and SATA (Serial Advanced Technology Attachment) drives for the ultimate levels of efficiency and manageability.

About Seagate Savvio

Seagate Savvio disc drives are just one of many examples of Seagate's unique capability to deliver leading-edge products across the broadest range of storage markets and applications. From enterprise, PC, mobile and CE markets, using a range of interface choices and multiple form factors, Seagate is best positioned to deliver the widest range of storage solutions that the market demands.

Seagate Savvio disc drives enable a new category of high I/O density storage solutions designed to provide space-constrained Fortune 2000 data centers with higher IOPS (I/O per second) performance in small form factor system configurations with the highest levels of reliability.

Seagate Savvio offers an unmatched combination of features, including its smaller size, lower power consumption, fast seek times and the industry's highest reliability. This makes Savvio the ideal storage solution for high I/O density hardware platforms, including new servers, storage arrays and blade servers.

Seagate Savvio is a true enterprise-class drive, designed specifically to meet the demanding requirements of enterprise applications. In addition to its fast 10,000-rpm spin speed and industry sweet-spot capacity

choices of 36-and 73-Gbyte capacities, the Savvio disc drive also has an impressive reliability specification of 1.4 million hours MTBF (mean time between failures). And unlike MTBF testing for ATA and SATA disc drives based on desktop-environment conditions, Savvio's reliability rating is specified based on testing in a 7/24/365 100% duty cycle enterprise-class workload environment and therefore is ideally suited for meeting the needs of IT professionals challenged by continuing server and storage consolidation.

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