Efficient and Flexible Data Backup Storage Solutions

The Commvault Complete™ data protection platform and Commvault Backup and Recovery platform combined with Seagate’s dense storage systems create an easy, efficient, flexible data backup solution.

Seagate® storage systems have been qualified by Commvault as primary data storage solutions for the Commvault Media Agent Server running on Microsoft Windows, as well as Linux distributions and UNIX versions, providing an efficient, low-cost platform that the Commvault Media Agent can build upon in the back end. These systems ensure high performance, scalability, and built-in protection.

The Need for Powerful Enterprise Storage

Commvault, one of the most pervasive backup solutions on the market today, features several components which make up the Commvault software suite—and many run on the Microsoft Windows Server operating system. One component in particular, the Commvault Media Agent, is responsible for keeping all of Commvault’s backup data. Therefore, it requires efficient, flexible, high-performance data storage to support a variety of scenarios, capacity demands, and performance needs.

The Seagate Solution

Seagate offers a variety of SAN (storage area network) and DAS (direct-attached storage) enterprise storage systems that are ideal solutions for the Commvault Media Agent’s primary and archive storage, delivering high performance, scalability, and built-in data protection. Available from selected distributors worldwide, they feature a variety of Seagate’s enterprise nearline capacity-optimized hard drives and high-performance SSDs pre-integrated.
All of Seagate’s enterprise storage systems are built for demanding data centers and include active-active redundant components (hot-standby spare) with automatic failover and redundant hot-swap of key components. Enterprise system management features ensure they’re simple to maintain while Seagate’s patented AcousticShield™ technology in certain models enables maximum performance from every drive. Additionally, they’ve been certified by VMware as primary data storage solutions for their popular ESXi server software, offering an efficient, low-cost storage platform to build upon.
Seagate Drive and System Benefits

All system components—enclosure, controller, firmware, and drives—are developed and optimized by Seagate engineers to work together seamlessly. This reduces support calls and eliminates technical learning curves. Our modular architecture makes components interchangeable between systems, and upgrades are simple due to common FRUs, PCMs, controllers, and software.

- Cost-effective JBOD-SAS models
- High-performance, flexible connectivity options for any VMware environment with SAS, iSCSI, and Fibre Channel
- High-density solutions built for modern data center or server closet
- Unfettered data access with dual-redundant controllers capable of achieving up to 7GB/s sequential read, 5.5GB/s sequential write performance
- Seamless data center scalability with single enclosures that host up to 1.3PB of data
- Thin provisioning saves on storage costs by dedicating storage only when needed
- Virtual storage pools streamline management
- Improved performance for read-intensive workloads while minimizing SSD cost
- SED- and FIPS-capable devices extend data security with array-based data-at-rest encryption
- Auto tiering (with optional software bundle) accelerates performance with SSDs while providing the cost and capacity benefits of HDD
- Snapshots (with optional software bundle) reduces RPO and RTO with efficient, block-based hardware snapshots
- Asynchronous replication (with optional software bundle) replicates data between arrays for business continuity and disaster recovery
- Easy setup, maintenance, and expansion

Why Seagate ADAPT Makes a Difference with Commvault

Seagate ADAPT data protection, a form of distributed parity RAID, enables faster-than-ever drive rebuilding.

- Automatic rebalancing of stripe health (REFT) allows more drive failure protection
- Avoids idle spare drives (all drives provide performance and spare capacity is distributed evenly)
- Allows mixed drive sizes and easy capacity expansion
- Works with SSD and HDD groups
Supported Versions


VMware ESXi versions tested and certified with Seagate systems: 7.0, 6.7 U3, 6.7 U2, 6.7 U1, 6.7, 6.5 U3, 6.5 U2, 6.5 U1, 6.5, 6.0 U3, 6.0 U2, 6.0 U1, 6.0, 5.5 U3, 5.5 U2, 5.5 U1, 5.5

For the most up-to-date list of supported Seagate models, visit the Microsoft Windows Server Catalog:
https://www.windowsservercatalog.com/results.aspx?&text=seagate&bCatID=1511&cpID=24239

In Conclusion

Seagate systems provide high-performance, scalable storage to Windows Servers as well as Linux and UNIX, ensuring the Commvault Media Agent server can do its job: storing important data efficiently and securely. Seagate ADAPT provides high performing large volumes with fast rebuild times and protection against double disk failures.

Visit us at www.seagate.com

For more information on Seagate Backup & Recovery Solutions, visit: www.seagate.com/solutions/backup/backup-and-recovery/

For more information on Seagate Exos Systems, visit: www.seagate.com/enterprise-storage/systems/exos

For more information on Seagate Nytro Systems, visit: www.seagate.com/enterprise-storage/systems/nytro