



CASE STUDY

Mutual Fund Corporation chooses Spectra for fast and economical long-term storage

The Spectra Verde NAS Solution is affordable disk file storage with simple installation, an intuitive user interface for effortless management, and architecture that assures the highest level of data integrity. The Spectra T380 Tape Library provides the same data protection and performance as larger, more expensive libraries and now comes with the option to add enterprise-class TS1140 Technology Tape Drives.



Spectra Verde NAS Solution and Spectra T380 Tape Library



Customer Requirements:

Automated Offsite Data Copy, Affordable File Storage

A large mutual fund company in the midwestern United States chose a complete tape and disk solution from Spectra Logic to refresh and update their backup environment. The company was established in the mid-1930s and offers asset management and financial planning to its customers. Due to the nature of its business, this company manages sensitive financial information that must be protected and stored indefinitely. The customer wanted to automate their offsite process and maintain their backups for an extended period as part of the data center refresh.

Solution: Spectra T380 and

Verde NAS Solution backed by CommVault Simpana 10

This customer chose a Spectra Logic tape and disk solution to meet their performance and long-term retention needs. They installed CommVault Simpana 10 backup software, a Spectra® T380 LTO Tape Library with LTO drives and media and two Spectra® Verde® NAS Solutions installed across two locations. They are using several of CommVault's advanced features, including deduplication and DASH (Deduplication Accelerate Streaming Hash) Copy.

The production site includes a typical backup environment. Two CommVault Media Agents are installed on unique physical servers. These Media Agents are configured to access the Verde over 10GigE through a network switch over CIFS. They are both able to access the full 127TB system. The Media Agents are also both connected to the customers Fibre Channel environment and are zoned to see the T380 tape library and all LTO drives installed in it.

Backups are deduplicated by CommVault and written to the Verde in the reduced form. They are then copied to tape with CommVault's AUX copy function. This provides a disk-based backup for quick recoveries, and a tape copy for economical long-term storage.

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To meet the customer's requirement of an automated offsite copy of the data, a single Media Agent and a Verde unit were deployed at their disaster recovery site. The Verde is the same configuration (127TB RAW) as the one at the production site. By using the CV DASH Copy, only unique data blocks are transmitted over the WAN, reducing the size of the copy job by up to 90 percent. This allows the customer to have an automated copy run to an offsite DR location.

Results

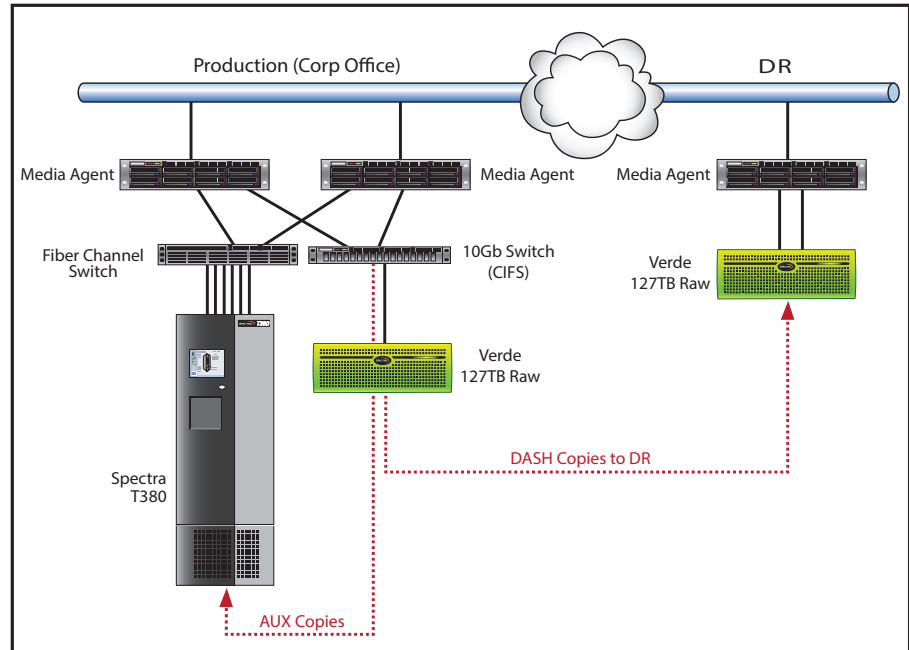
The customer now has a lights out data protection system that provides automated offsite copies of their data on Verde, as well as long-term, offline copies on the T380 tape library. The performance of the system has helped the customer complete backup jobs well within their backup window. AUX copies from Verde to the T380 have run faster than 1.6TB/hr, showing the performance potential of the environment.

Environment Snapshot

- Spectra T380 with LTO drives and media
- Spectra Verde Solution
- CommVault Simpana 10 backup software
- Dell Servers
- Force10 Switches

Why Spectra?

- Performance
- Economical long-term storage
- Complete solution from a single vendor



About Spectra Enterprise Tape Libraries:

Spectra Enterprise tape libraries are designed for incremental growth, as they accommodate the storage requirements of organizations in every state of their growth lifecycle. When data growth requires more slots than the library's current capacity, Spectra transfers the components of the existing library and puts them in a larger chassis. As data needs expand, all that changes is the outgrown frame.

About Spectra NAS Solution:

The Spectra Verde NAS Solution is the optimal disk platform for the storage of mid-tier data, including primary storage offload, data staging, backup and archiving. Flexible, simple and affordable, the Spectra Verde delivers file storage for as low as 7.5 cents per gigabyte. The expandable Verde disk solution provides raw storage capacities from 48TB to 7.1PB. Designed for a variety of workloads, a single Verde solution supports three different disk drive types, including 4TB, 8TB and 12TB enterprise drives; 8TB archive drives; and high-performance SSD drives. Reliable, economical and archive-ready, Spectra Verde simplifies the storage process.