

FalconStor VTL OpenStorage Option for Symantec NetBackup:

Simplified, high-speed backup-to-disk with data deduplication

Highlights

Integration with Symantec OpenStorage for NetBackup delivers the following benefits:

- Industry-leading FC target for Symantec OpenStorage
- Non-disruptive integration, simplified management
- Ultra-fast backup speeds minimize backup windows
- Flexible, policy-based deduplication reduces storage footprint
- WAN-optimized replication with compression and encryption minimizes bandwidth usage
- Concurrent read/write to a volume for multiple media servers facilitates load balancing
- Copy-to-tape, tape management for archiving and compliance

Symantec OpenStorage provides a disk-based target model for Symantec NetBackup environments, simplifying backup and disaster recovery (DR) and expanding backup targets beyond traditional tape or virtual tape devices.

FalconStor[®] Virtual Tape Library (VTL) OpenStorage Option, a plug-in component for NetBackup Media Servers, complements the OpenStorage API and enhances NetBackup's already-powerful storage management platform with functionalities such as backup optimization, replication, global deduplication, and tape archiving. Used together, FalconStor VTL and NetBackup provide reliable and flexible enterprise backup and recovery with simplified management.

INTEGRATION WITH FLEXIBILITY

FalconStor VTL OpenStorage Option seamlessly integrates into NetBackup environments, and its heterogeneous architecture allows you to leverage any storage resource, even those that do not support the OpenStorage API. Storage devices are treated as streaming devices, allowing for sequential writes to a disk layer. This offers the flexibility to leverage the resources that best meet your budgetary needs, such as using lower-cost disk in place of tier-one disk, without sacrificing performance.

GLOBAL DEDUPLICATION OPTIMIZES DISK UTILIZATION

FalconStor VTL replicates data from across the organization to a central site, aggregating it into a clustered repository of globally unique data components. Integrated deduplication minimizes the amount of data transferred and scales up to 2PB of usable storage, dramatically reducing bandwidth costs. Disk space and utilization are displayed in the NetBackup console. Policies for deduplication, replication, and archiving are flexible and can be assigned to individual jobs. For example, you can select from four different deduplication policies — inline, post-process, concurrent, or no deduplication — and vary them according to each environment's unique needs.

SHRINK BACKUP WINDOWS

Meeting the backup window remains one of the toughest IT challenges. For this reason, FalconStor VTL offers faster backup rates than high-overhead CIFS and NFS-based interfaces. NetBackup media servers connect directly to the Fibre Channel (FC) fabric and push data across the fabric to the FalconStor VTL with minimal server and network overhead. The FC backup targets provide the fastest speeds to reduce backup windows.



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FASTER, MORE RELIABLE BACKUP & RECOVERY

With FalconStor VTL, NetBackup clients and agents can send large files, including databases, directly to virtual tape. This eliminates potential network congestion, speeds backup, and optimizes performance. During backup, load times for tapes are reduced. During restore, FalconStor VTL eliminates physical tape mounts, enabling the restore to be completed quickly.

BRANCH/REMOTE OFFICE HOSTED BACKUP

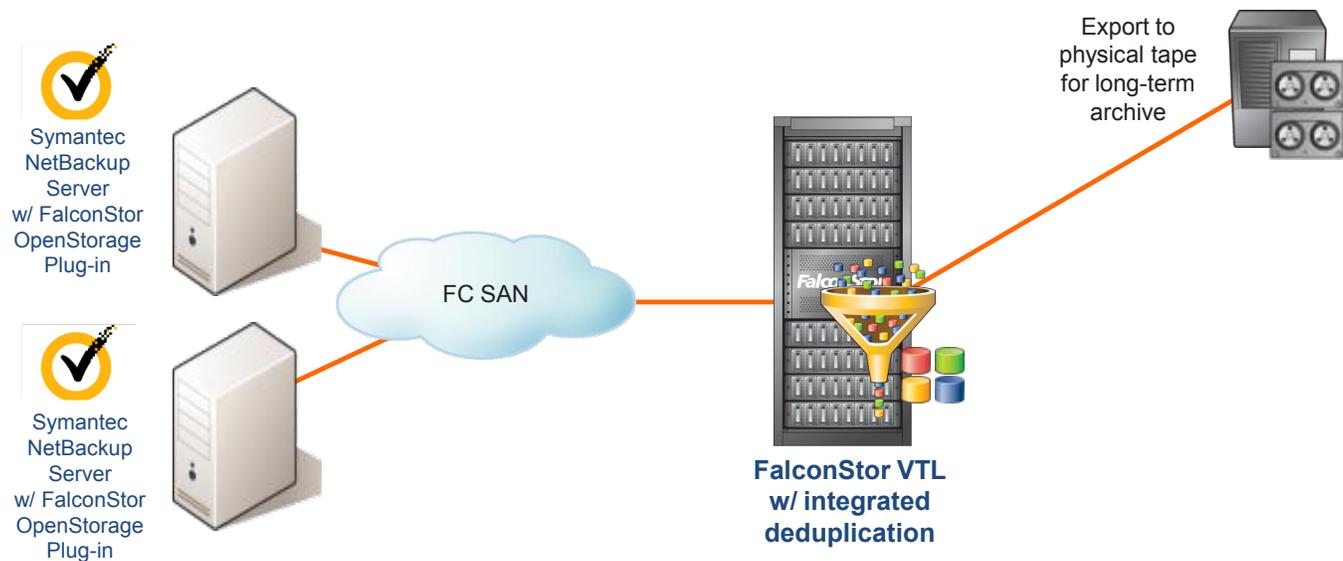
Sometimes the most critical corporate data resides in remote and branch office sites. FalconStor VTL enables centralized management with fast restore, providing access to data at any time. FalconStor VTL globally deduplicates the information and electronically vaults it to a central location. NetBackup software can be installed directly on a FalconStor VTL appliance, providing local backup and recovery and eliminating the need for physical tape.

EXTEND THE LIFE OF TAPE

Data can be securely copied from a FalconStor VTL appliance to physical tape at the primary site or recovery site. FalconStor VTL emulates over 30 tape drives and 50 tape libraries, enabling NetBackup to treat virtual tape exactly as it does physical tape, and minimizing load/unload operations during tape rotation. Advanced Encryption Standard (AES) 256-bit encryption ensures data security during tape vaulting, eliminating the errors and associated costs of physical tape transport. In addition, FalconStor VTL supports US Federal Information Processing Standards (FIPS).

Because the FalconStor VTL OpenStorage Option allows replication and copy-to-tape operations to be run directly from the NetBackup console, the solution allows organizations to maintain NetBackup catalog consistency and operational consistency, for non-disruptive data protection.

FalconStor VTL OpenStorage Option in a NetBackup environment



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