TECHNOLOGY AT A GLANCE

Replication Option for FalconStor CDP and NSS

Delta-based IP replication for fast, low-cost disaster recovery

What it is

The FalconStor® Replication option works with FalconStor Continuous Data Protector™ (CDP) and FalconStor Network Storage Server (NSS) solutions to replicate data over any existing infrastructure. In addition, it can be used for site migration, remote site consolidation for backup, and similar tasks. Using a TOTALLY Open™ storage-centric approach, replication is configured and managed independently of servers, so it integrates with any operating system or application for cost-effective disaster recovery (DR).

What you get

Instant, comprehensive recovery

Most discussions about DR focus on ensuring that systems are available during a disaster. However, those who have been through a disaster know that while having systems up and running during a disaster is extremely important, the real challenge is the long and tedious process of restoring the systems at the primary site—or new primary site—back to a normal state. FalconStor Replication includes a re-synchronize function to help IT administrators transfer data back to the primary site for normal operations, for a complete DR solution.
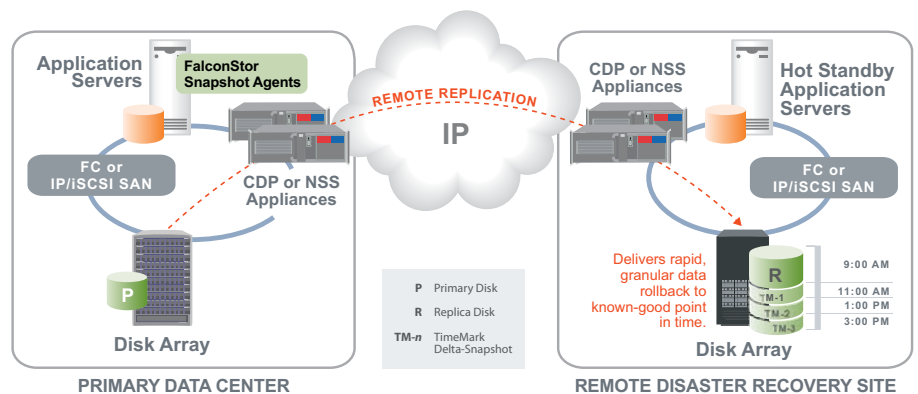
Flexibility

Data is copied on a continuous or scheduled basis to designated DR volumes, which can reside on any storage system, including economical SATA or MAID disks. In the event of a primary site disaster, replica volumes can be switched to primary status and used by standby servers or virtual machines. Snapshots of replica volumes can also be mounted during normal operations, allowing the DR site to be used for offsite backup or testing with zero impact on the host. The replication process itself is tunable on a per-volume basis to match the available bandwidth. Data can be compressed or encrypted.

Minimized network bandwidth and storage consumption

Patented FalconStor MicroScan™ technology ensures that the least possible amount of data blocks are transmitted, saving as much as 64 times more bandwidth than many array-based replication products.

100% transactional integrity

Application-aware Snapshot Agents let active databases be replicated with full transactional integrity and point-in-time consistency, allowing standby servers to be operational after a normal boot cycle, with no need for lengthy disk or database consistency checks.

For more information, visit www.falconstor.com or contact your local FalconStor representative.

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