

StoreVault™ Replication



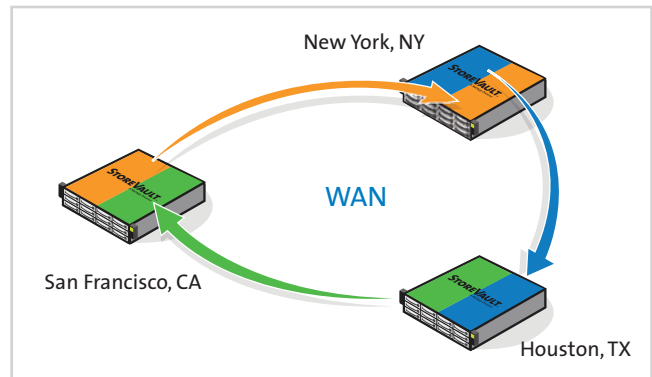
Easy-to-use software option enables scheduled remote replication of file-based and block-based data

Easy-to-manage offsite data protection

StoreVault Replication enables administrators to replicate data from a StoreVault S500 to one or more “destination” StoreVault S500 units. File-based or block-based data can be easily replicated over a WAN to a remote location to protect data in the event of a disaster or to distribute data to remote offices.

StoreVault Replication provides simple, easy-to-manage off-site data protection. It is based on Network Appliance™ SnapMirror® technology and replicates data to one or more StoreVault S500 appliances in multiple fashions, including one to one, one to many, many to one, and round robin. Replication is a useful tool for off-site backup, data distribution, or simple round-robin geographic disaster insulation. Source data can be automatically updated to remote StoreVault units while the locally created originals remain in service. Replicated data is periodically updated to remain current and available for applications such as disaster recovery, offloading tape backup, read-only data distribution, testing on nonproduction storage systems, online data migration, and more.

StoreVault Replication software has many bandwidth-saving features that lower the infrastructure cost of data replication and disaster recovery. After replication is initialized, only new and



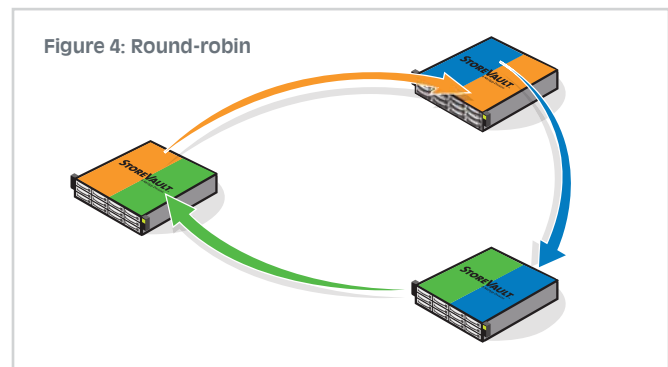
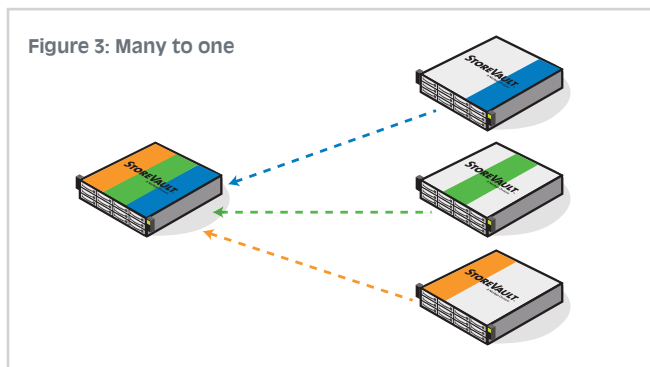
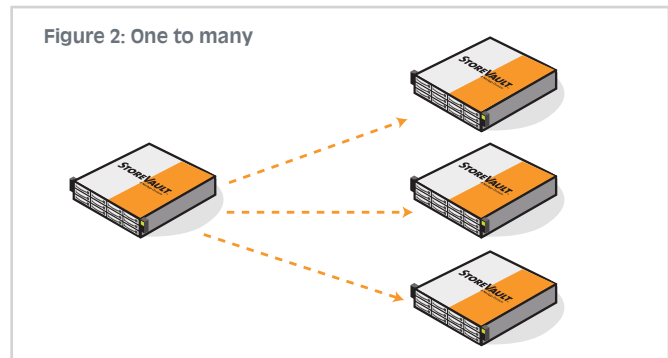
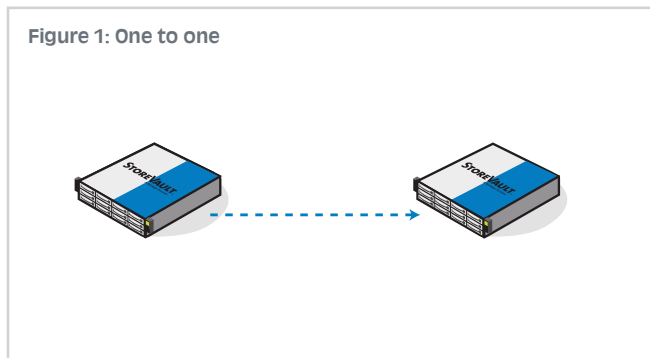
changed blocks need to be updated over the network. By replicating only changes, StoreVault Replication significantly reduces network bandwidth requirements. In addition, StoreVault Replication takes checkpoints during data transfers. If a transfer is interrupted, it will restart from the most recent checkpoint. StoreVault Replication also performs intelligent resynchronization, eliminating the need for full transfers when recovering from a broken replica or loss of synchronization.

StoreVault Replication Key Features

Feature	Benefit
Enterprise-Proven Replication Technology	Uses Network Appliance SnapMirror technology for fast, reliable data replication.
Ease of Configuration	Simple scheduler interface allows you to set up replication in minutes.
Optimized for WAN Environments	Only changed data is transmitted. Checkpoints and intelligent resynchronization eliminate need for full transfer after update is interrupted.
Remote Access to Replicated Data	Accesses read-only copies of replicated data at remote locations for off-site backup or data distribution.
Scheduled Asynchronous Updates	Replicas are updated as often as every four hours based on the selected schedule.
Flexible Configuration	StoreVault Replication can be added as an option to an existing StoreVault S500 to make it either a source or destination for replication. Supports one-to-one, one-to-many, many-to-one, and round-robin configurations.

technical specifications

StoreVault Replication Specifications	
Hardware Requirements	Replication licenses must be purchased for both the source and destination StoreVault systems. NOTE: This product does not support replication to NetApp FAS series products.
Software Requirements	StoreVault Manager 2.0, Data ONTAP® SVE 1.1
Maximum Number of Destination LUN Replicas	64
Maximum Number of Destination Shares Replicas	64
Maximum Number of Exports Replicas	64
Update Frequency (Minimum)	Typically 4 hours. Highly dependent on data rate changes.
Maximum Concurrent Active Sessions	4
Supported Replication Topologies	<ul style="list-style-type: none"> • One to one. One source is copied to one destination (Figure 1). • One to many. One source is copied to many destinations (Figure 2). • Many to one. Many sources are copied to one destination (Figure 3). • Round-robin or cascaded. One source is copied to one destination, but incorporates multiple StoreVaults. This ensures that a copy always exists in another location. (Figure 4).



About Network Appliance

Network Appliance is a world leader in network storage solutions for today's data-intensive world. Since its inception in 1992, Network Appliance has delivered technology, product, and partner firsts that simplify data management. Information about Network Appliance solutions and services is available at www.netapp.com.

For more information on StoreVault, A NetApp Division, go to www.storevault.com.

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