



Touchless DR™

Asynchronous WAN Replication

Automated Data Protection

Eliminates risk, cost, and lost productivity of manually shipping media offsite

Simple Software Upgrade

Enabled via simple software license key process for ease of integration

Asynchronous

Improves replication performance over long distances

Active-Active

Supports cross-replication of volumes for rapid recovery of archived data

Encryption

Strong AES 256-bit encryption ensures secure transmission of sensitive data

Bandwidth Throttling

Provides variable control of network bandwidth to avoid impacting critical applications

Flexible Scheduler

Performs replication jobs during off-peak or non-production hours

Available for HSA and A3

Both the Hybrid Storage Appliance™ (HSA) and the Active Archive Appliance™ (A3) can be replicated with Touchless DR

Data Protection Made Easy

The trend toward distributed organizations has resulted in critical data being generated at multiple locations, creating unique challenges for corporate IT professionals tasked with managing and protecting this data. These challenges are further complicated as organizations look to implement an archival tier of storage to reduce costs.

PowerFile's Touchless DR™ WAN Replication was specifically designed for organizations that have standardized on remote mirroring and replication technologies for ensuring access to critical data in the event of a disaster. By automatically replicating fixed content from a local to a remote PowerFile appliance, Touchless DR reduces both risk and management complexity while maintaining quick access to archived information in the event of a disaster.

Designed for Archive

Mirroring and replication technologies designed for dynamic data that is constantly changing must incorporate features such as continuous data protection (CDP) and byte-level incrementals to meet recovery point objectives (RPOs) and minimize network traffic. While these features are beneficial for replicating large amounts of dynamic data, they add unnecessary complexity and risk for replicating fixed content.

Touchless DR was designed specifically for replication of fixed-content information. By replicating only files that have been marked as archival by the administrator, the software eliminates unnecessary network traffic associated with replication of constantly changing, dynamic data.

Simple, Integrated, and Secure

Touchless DR is enabled through a simple software license key process. Configuration and management tasks are integrated into the same browser-based administration console used to manage the appliance. To ensure security of critical data as it is being transferred over the network, Touchless DR offers AES 256-bit encryption that can be enabled or disabled by the administrator.

Low Network Demand

Touchless DR only replicates fixed content that has been marked as archival by administrator-driven policies to eliminate the need to make regular changes to replicated data. To further reduce demands on limited network resources and avoid impacting critical applications, the software also offers bandwidth throttling and flexible scheduling options.

Fast Online Data Recovery

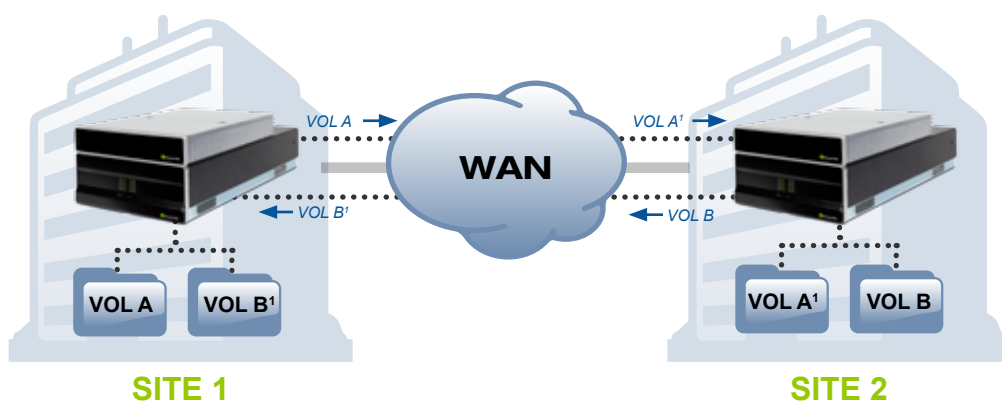
Touchless DR offers active-active replication at the volume level to ensure that all archived data can be quickly and easily recovered from either location in the event of a disaster. The software also preserves critical file-level security (ACL) attributes between replicated systems to enforce proper access levels in a fail-over scenario.

Eliminate Media Handling

Touchless DR automatically copies archived data over the WAN to eliminate the risk, cost, and lost productivity associated with regularly shipping media offsite for the purpose of archive.

FEATURE	FUNCTION	BENEFIT
Rapid Replication and Recovery		
Asynchronous	Simultaneously transfers archival data to local media and remote system cache	Eliminates need for high-bandwidth network connection and improves performance over long distances
Active-Active	Active-active replication at the volume level for protecting archival data at multiple production facilities	Ensures that all archived data can be quickly and easily recovered from either location in the event of a disaster
Low Network Demand		
Designed for Archive	Only replicates fixed content that has been marked as archival by administrator-driven policies	Eliminates unnecessary network traffic associated with replication of constantly changing, dynamic data
Bandwidth Control	Administrator can set a maximum bandwidth threshold for replication jobs	Provides variable control of network bandwidth to avoid impacting higher-priority applications
Scheduler	Flexible scheduler allows administrator to set unique replication intervals for every day of the week	Allows replication of lower priority, archival data to be performed during off-peak or non-production hours
Secure Transmission and Access		
Encryption	Administrator can enable or disable strong AES-256 bit encryption during replication	Guarantees security of sensitive data as it is being transferred over the network
ACL Preservation	Preserves critical file-level security (ACL) attributes between replicated systems	Simplifies recovery process by enforcing proper access of archival data during failover scenario

Active-Active WAN Replication



System Requirements

- Minimum of two HSA or two A3 systems
- Minimum of one properly configured library per system
- Replicated volumes must be configured with the same media type
- Network connectivity to support transmission of data between two systems
- For A3:** HybridOS™ version 3.0 or later

The diagram above illustrates a typical scenario where archival data is being generated at geographically distinct locations and cross replicated with Touchless DR to ensure easy recovery of data from either location in the event of a disaster