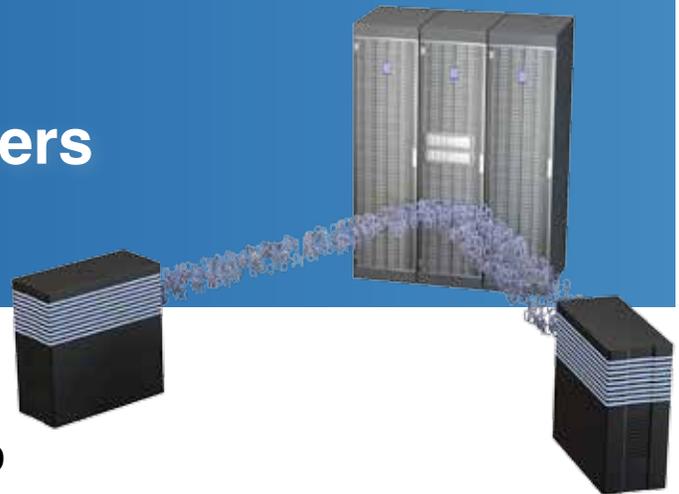# PeerSync
Backup Edition for Servers

WAN Optimized Real-time Backup for Windows and NetApp

MAIN FEATURES

- Secure, Continuous Data Protection

- Support for Reparse Points (Symantec Enterprise Vault)

- Support for Open File and Database Backup

- File Deletion and Revision Protection

- Intelligent Connection Check with Auto-resume

- Byte-level Replication

- Multi-threaded Performance with Bandwidth Optimization

- Multiple Connectivity Options

- Reporting and Alerts via Email

- Unicode Compliant

- Option to add PeerSync Backup Edition for Laptops and Workstations

- Supported Platforms: Microsoft Windows Server 2000, 2003, 2003 R2, 2008, 2008 R2, NetApp Data ONTAP v7.3.5 and higher, 8.x (7-Mode)

NetApp®

Advantage Alliance Partner

Real-time Remote Server Backup for the Enterprise

As the amount of data continues to grow rapidly, the ability to affordably store, manage, protect and retain data becomes one of the most important IT challenges for organizations, especially those with file and application servers in numerous geographically distant branch office and subsidiary locations.

Over the years, maintaining backup operations at remote locations has proven to be both costly and risky. Backup related costs for specialized staff, hardware, software, media and procedures at each location are relatively easy to recognize, and let's face it, nobody wants to be blamed for losing some branch backup tapes with unencrypted corporate and customer data, but it happens.

Centralizing backup has always seemed like an obvious solution, but how do you implement real-time backup across numerous branch offices without requiring an expensive wide area network (WAN) upgrade?

Introducing PeerSync Backup Edition for Servers

Built on a foundation of proven, world-class synchronization and replication technology, PeerSync Backup Edition for Servers is a best-of-breed solution designed from the ground up to securely synchronize and replicate gigabytes and even terabytes of branch office data across a WAN in real-time with a central server.

Key features like continuous data protection, WAN performance optimization, multi-threading, centralized administration, lots of connectivity options and VSS compatibility

enable PeerSync Backup Edition for Servers to deliver enterprise-class capabilities for todays' globally dispersed organizations that need immediate, maximum protection of their data while being cost competitive with legacy tape systems.

Optimized WAN Backup for Mixed Storage Environments

PeerSync Backup Edition for Servers is not your traditional backup solution that creates one large backup file (*.bkf); it actually creates and maintains file and directory replicas on the target server in real-time for the following scenarios:

- Windows-to-Windows
- Windows-to-NetApp
- NetApp-to-NetApp

And, thanks to Peer's integration with NetApp Data ONTAP, PeerSync Backup Edition for Servers delivers a high performance, real-time solution for backing up NetApp servers in branch offices to a centralized NetApp Filer.

Support for Reparse Points (Symantec Enterprise Vault)

File archiving solutions are becoming more common as organizations move old data off high performance, primary storage systems, but what is the best way to back up primary storage without retrieving files from the archive?

To meet this requirement, PeerSync now supports backup of Reparse Points without touching the files in the archive. We fully support solutions using this technique including Symantec Enterprise Vault.

Main Features:

Continuous Data Protection

Real-time event detection allows new and modified files to be instantly replicated to the target backup server (Windows or NetApp).

File Deletion Protection

Accidental deletions are protected by moving the deleted file into a temporary folder for easy end-user recovery if necessary. After "x" days the files will be automatically and permanently deleted from disk.

Open File Management (*Windows only*)

Backup support for any open files or database through snapshot technology (VSS).

Byte-level Replication

Only the changed portions of a file are backed up for bandwidth savings.

Administrator Override Capability

Back up files even when administrators lack necessary permissions on a file or directory.

Bandwidth Throttling

Specify the percentage of bandwidth backup processes can consume to allow throughput for other applications on a limited connection.

Black-out Schedules

Enable black-out periods where backups do not run to minimize server and network loads during peak times.

Multiple Connectivity Options

Backup through a VPN, over the internet (TCP/IP SSL Encrypted), or to an FTP site.

Unicode Compliant

Back up files and folders in any language (Western and Asian character sets).

Centralized Monitoring (optional)

Monitor the backup status of all servers through a central monitoring console that is updated every "x" seconds with backup status.

Emailed Reporting and Alerts

Receive scheduled daily summary reports by server or as a total across the enterprise. File backup failures are immediately emailed for fast alerts.

Intelligent Connection Check

Backup process continuously checks for network connectivity to target backup server. When connectivity is unavailable, backup process will store missed events in memory. Upon reconnection, stored events will be processed immediately with real-time events.

Multi-threaded Performance

Enterprise level parallel processing takes advantage of multi-core processors for fast backup on high server activity loads.

Enhanced Scanning

Ability to dynamically split jobs into sub jobs for more efficient scanning and improved performance.

Enhanced Package

Support for alternate target path in case the connection to the original path is failing. It also enables SNMP reporting for PeerSync as well as file recovery, so PeerSync can resume file transfer where it left off when a network failure occurs.

Reparse Points (Symantec Enterprise Vault)

Backup your data and reparse points to another machine without bringing the files back from the vault.

PeerSync Server Editions:

	Migration	Backup for Windows	Backup for Symantec EV	Backup for NetApp	Basic	Advanced	Enterprise
Supported OS	Win, ONTAP	Windows	Windows	Data ONTAP	Windows	Windows	Windows
Real-time Replication	✔	✔	✔	✔	✔	✔	✔
Byte-level Replication	✔	✔	✔	✔	✘	✔	✔
Muti-threading	✔	✔	✔	✔	✔	✔	✔
Open File Management	✔ / ✘	✔	✔	✘	✘	✔	✔
Enhanced Scanning	✔	✔	✔	✔	✘	✔	✔
Enhanced Package	✔	✔	✔	✔	✘	✘	✔
Reparse Points (Symantec EV)	✔ / ✘	✘	✔	✘	✘	✘	✔
Administrative Override	✔	✔	✔	✔	✘	✘	✔
TCP Connection	✔	✘	✘	✔	✘	✘	✔
Sync of Share Permissions	✔	✘	✘	✘	✘	✘	✘
Number of Connections	2	2	2	2	2, 5	2, 5, 10	5 - 500

More information