

PeerSync Collaboration Edition



Business File Sharing and Collaboration Essentials

MAIN FEATURES

- Choose which folders you want to share and with whom on a folder by folder basis. Shared folders will automatically replicate to only those file servers you designate.
- Shared folders will have real-time replication, so changes made anywhere will propagate to all other locations.
- Files being edited at any location will propagate a file lock (to prevent version conflicts) at all other locations.
- Multi-threaded architecture allows for parallel processing of high activity loads.
- Only changed portions of a file are replicated.
- Servers can be on different Windows OS versions.
- Supported Platforms: Microsoft Windows Server 2000, 2003, 2003 R2, 2008, 2008 R2.

Collaborate at LAN Speed While Minimizing WAN Traffic

On a daily basis, IT administrators face challenges related to ensuring access to shared project files and information in the headquarter's building, as well as remote branch office and subsidiary locations. This challenge compounds if data files are large, team members are geographically separated, and WAN bandwidth is limited.

To solve this problem, many organizations have historically relied on WAN optimization solutions that compress and accelerate data traffic across the WAN as centrally stored data is accessed on servers at the headquarter's location. Despite considerable investment in traditional WAN optimization technology, many organizations report the following weaknesses with this approach:

- Remote data access is still slower than desired, affecting employee productivity.
- WAN related traffic and expenses continue to grow despite "optimization".
- WAN "acceleration" solutions are costly to install and maintain.

Introducing PeerSync Collaboration Edition

Instead of forcing branch office employees to collaborate with shared project files and data across the WAN from a central site and using WAN acceleration techniques to help increase the performance, the software-based PeerSync Collaboration Edition mirrors data on servers in branch and subsidiary locations, enabling fast user access

at LAN speed while maintaining centralized coordination and control of file versions.

Based on traditional file server management techniques, PeerSync Collaboration Edition is a real-time file collaboration solution that utilizes full mesh file locking and synchronization technology to ensure the same data exists on all participating servers, regardless of where changes occur.

How it Works

File collaboration sessions consist of two or more participating servers and a folder hierarchy called the Watch Set, located on each server. These Watch Sets will be kept synchronized by propagating file locks and modifications to all participating servers in real-time.

This approach has the following benefits in comparison to WAN "acceleration" techniques:

- Performance - File mirroring technology ensures that every team member has fast LAN access speeds to all data, providing up to 200X faster performance versus WAN "acceleration" appliances.
- Version Control Management - File locking technology ensures that file version conflicts across mirrored sites are prevented.
- Reduced Bandwidth Requirements - Decentralized file access lowers overall WAN bandwidth requirements, enabling immediate cost containment.



Advantage Alliance Partner

Main Features:

Real-time Event Detection and Mirroring

Real-time event detection allows file events (file add, delete, modify, open, lock) to be mirrored to participating servers immediately.

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.

Byte-level Replication

Only changed portions of files are synchronized for bandwidth savings.

Multi-threaded Performance

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

Security Protection

File and folder permissions (ACLs) are automatically synchronized to all servers.

Unicode Compliant

Works with files and folders in any language (Western and Asian character sets).

File Filter Exclusions

Choose file types and subfolders to be excluded from watch sets.

File Revision Protection

Store the last "x" previous versions of a document as changed to enable easy rollback capabilities to a previous version.

Centralized Monitoring (optional)

Centralized management console allows IT administrators to efficiently configure and monitor collaboration jobs between participating servers.

Intelligent Connection Check

Momentary connection breaks are handled seamlessly. When connectivity is unavailable, events are stored in memory. Upon connectivity being re-established stored events will be processed immediately.

Enhanced Scanning

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

Bandwidth Throttling

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

Multi OS Support

Enables synchronization and locking across different versions of the Windows Server operating system.

Emailed Alerts

Receive automated alerts for file activity replication issues as well as server and connectivity outages.

Connectivity

Servers must be connected through a LAN/WAN.

ABOUT PEER SOFTWARE

Peer Software develops data management solutions addressing the unique challenges related to backup, replication and collaboration in a WAN environment. Since 1993, Peer solutions are in use globally by over 10,000 corporate, government and education customers including half of the US Fortune 100.

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Peer Software File Collaboration Solutions:

	PeerLock	PeerSync Collaboration Edition	PeerLink
Supported OS	Windows	Windows	Windows, Data ONTAP
Replication Engine	Microsoft DFSR	PeerSync	PeerLink
File Locking Solution	PeerLock	PeerLock	PeerLink
Central Monitoring Console	OPTIONAL	OPTIONAL	YES
File Locking During Transfer	NO	YES	YES
Supported Network Latency	<150 ms	<150ms	>150ms
Replication Topology	Full Mesh	Full Mesh	Hub & Spoke
Recommended Sites	3 ^(*)	5 ^(*)	2 - 100
Cross Domain	NO	YES	YES
Cross AD's	NO	NO	YES
Collaboration Class	BASIC	STANDARD	ENTERPRISE

* - These numbers assume a FULL MESH replication architecture. A STAR TOPOLOGY architecture can support a higher number of sites.

