

## PeerSync, Peer-To-Peer Folder Synchronization Utility, Version 7.4

To upgrade, double-click on the installation file (ps74.exe) in the Explorer window, or choose "Run" from the Start Menu and then select the application.

If you are upgrading the current version of PeerSync (7.4.1 to 7.4.2) simply install the application over your existing PeerSync and the previous version will be backed up in a sub-folder called 'BACKUP' (if the option to keep a backup is selected during the installation).

If you are evaluating a new version of PeerSync 7.4 and you already have an existing copy of PeerSync 7.3 or older, please select a new directory during the installation.

Note: For more information on the latest features and how to implement specific scenarios please go to: <http://www.peersoftware.com/support/peersync.aspx>

New Features	
ID	DESCRIPTION
NA	The PeerSync installation and executables will now require administrative privileges to run on Windows Vista and Server 2008. When a standard user tries to install or start the application they will be prompted for administrative authorization or approval.
NA	Added a new default setting in PeerSync to exclude any folders that have reparse points. Such folders are commonly used in Windows Vista and would cause recursive querying. The /LJU:n command line argument can be used to modify this behavior:  /LJU:0 - Don't exclude folders that have a Reparse Point object /LJU:1 - Exclude folders that have a Reparse Point object recursively pointing back to itself (Default) /LJU:2 - Exclude all folders that have a Reparse Point object
NA	Added ability to remove milliseconds, seconds, or minutes from files during comparison  /QF+++ - Removes/ignores the milliseconds, seconds, and minutes from both the source and target file time stamps during comparison /QF++ - Removes/ignores the milliseconds and seconds from both the source and target file time stamps during comparison /QF+ - Removes/ignores the milliseconds from both the source and target file time stamps during comparison
Synchronization	

ID	DESCRIPTION
NA	Resolved an issue where the "Use intermediate file during copy" option was being ignored when enabled automatically.
NA	<p>Added new functionality in PeerSync that creates a "Sending" and "Receiving" hidden .PSLOCK file during Normal bi-directional file processing.</p> <p>Example:</p> <p>Source File: FILENAME.EXT.{USER_S_COMPUTER}.pslock</p> <p>Target File: FILENAME.EXT.{USER_T_COMPUTER}.pslock</p> <p>This will ensure that any event detected corresponding on a file currently being processed by PeerSync will be ignored by all participating PeerSyncs and PeerLocks. Furthermore, this functionality provides users with a display of files in transit.</p>
NA	<p>Added new Open Files option that improves real-time bi-directional replication/collaboration between more than two hosts. The new "Deny access to source file during transfer" option uses custom logic to allow PeerSync to replicate a file from one source to multiple destinations, in parallel, while at the same time protecting the source file from write access. If a user opens the source file while PeerSync is transferring it to its targets, the user will be blocked for write access but may have the option to open the file in read-only mode.</p> <p>This new feature provides a solution to the problem of using the "Exclude all open files until close" option which exclusively locked the source file during transfer such that parallel transfer of one file to multiple targets was not allowed.</p>
NA	Fixed an issue where the following attributes were being set on source files then transferred to the target: Read-Only (R), Hidden (H), System (S), Archive (A), and Offline (O). This issue would occasionally occur with Excel, AutoCAD, or other applications that momentarily delete the original file as part of the file saving process.
NA	Fixed an issue where renaming files to a ~pstmp extension during renames and/or deletes would get processed for incoming *.pstmp files.
NA	Fixed an issue where files were intermittently being missed during scans and possibly during real-time.
NA	Fixed issue where files greater than 4 Gigs got truncated.
NA	Fixed an issue where Network Logon settings were being ignored.
NA	PeerSync now accepts the /T (Terminate All Instances of PeerSync) command line argument either as upper case or lower case.
NA	Fixed an issue where PeerSync would not be able to delete folders that had long paths. PeerSync would throw the following error: Cannot delete folder: C:\... (The system

	cannot find the path specified)...
NA	Fixed an issue where PeerSync would fail to write to hidden folder files during Enhanced Bi-Directional replication. This issue would occur only when the file paths were too long.
NA	Resolved an issue where in some cases folder Adds/Deletes would cause PeerSync on the target to trigger a folder add or delete event back to the source (real-time bi-directional setup).
NA	<p>Resolved an issue where files were replicated to incorrect locations. The issue occurred when using multiple jobs with enhanced real-time event processing enabled. In particular When two jobs were configured for real-time monitoring (enhanced event processing on) with the source path for the first job being a substring of the source path for the second job:</p> <p>Example:</p> <p>Job 1 Source Folder = C:\Testsource</p> <p>Job 2 Source Folder = C:\Testsource123</p> <p>Files added to the source folder of the second job will be replicated to the target folders of both jobs.</p>
NA	Improved Enhanced Real-Time process to work better for file and folder renames.
NA	Fixed an issue where PeerSync failed to re-add a file that has been deleted and is being stored in the deletions folder.
NA	Resolved an issue where if Enhanced Event Processing was enabled, PeerSync would process Real-Time events for NON Real-Time configured Jobs. In particular, if two Jobs were identical except for the Target and Automation settings (i.e. One configured for Real-Time, the other for Scheduled Scans), the scheduled Job would also receive the Real-Time events.

### PeerLock Compatibility

ID	DESCRIPTION
NA	Improved the file exclusion logic to correctly exclude PeerLock's PSLOCK and stub files during scans.
NA	Fixed an issue where file deletes and renames caused oscillation in PeerLock on other machines.
NA	Fixed an issue where file exclusions configured by PeerSync were stored under folder exclusions in PeerLock.

### Performance

ID	DESCRIPTION
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NA	Improved performance by no longer checking for lock files (*.PSLOCK) when doing non-bidirectional replication.
NA	Improved performance when using multiple copy threads.

### Enhanced Scanning / Performance

ID	DESCRIPTION
NA	Dramatically improved scan time when using the Enhanced Scanning option by loading folder scans or dynamic jobs quicker.
NA	Fixed an issue where PeerSync incorrectly handled variable target paths when using Enhanced Scanning. For example, when the target path was based on a date or time variable that changed in the middle of the scan.
NA	Fixed an issue where PeerSync would intermittently miss files during a scan when using the Enhanced Scanning option.
NA	Fixed an issue where TCP pulls would fail when using Enhanced Scanning.

### TCP Mode / TCP WAN Connector

ID	DESCRIPTION
NA	Fixed an issue where PeerSync failed to synchronize files in non real-time using TCP mode where the source and target paths were equal.  Example Source: C:\Testing\A Target: TCP:\\server\C\Testing\A
NA	Fixed an issue where Variable paths for TCP Jobs were not being properly converted on load of a Profile causing invalid paths to be created.
NA	Fixed an issue where during a TCP pull scenario PeerSync would not delete disjoint files from the target folder when the option to "Delete unmatched target files" was checked. PeerSync would report deletions but not actually delete the files.
NA	Fixed an issue when using TCP source paths with an administrator share (i.e. TCP:\\1.2.3.4\C\$\Folder) would fail and cause the PSListener to go into an infinite loop.

### Exceptions

ID	DESCRIPTION
NA	Fixed issue where excluding Added or Updated files was not working in real-time when using Enhanced Event Processing.
NA	Fixed a bug where file Inclusions based on attributes would not work.  Example: Including files with just the Archive attribute would actually exclude files with the Archive attribute flag set.
NA	Fixed issue where PSLock files are reported as being excluded.

<b>NA</b>	Fixed an issue where exclusions based on file size in real-time were not working.
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### ByteReplicator

<b>ID</b>	<b>DESCRIPTION</b>
<b>NA</b>	Added ability to exclude files using the *.ext format in addition to .ext or ext.
<b>NA</b>	Fixed an issue where files containing at least two % characters would fail during byte-level replication.
<b>NA</b>	Fixed an issue where during a byte-level pull scenario (remote to local) PeerSync would use the local PSListener instead of the remote.
<b>NA</b>	Fixed an issue where byte-level file transfers for files with long paths failed and 100% of the file would be updated.

### FTP

<b>ID</b>	<b>DESCRIPTION</b>
<b>NA</b>	Fixed folder creation issues where PeerSync would fail to access or create folders and throw one of the following errors:  Cannot create folder: FTP://.../FLDR (550 /FLDR: File does not exist. (7))  or  Cannot create/goto target folder: FTP://.../FLDR (550 /FLDR: File does not exist. (2)) (File does not exist. (2)) [550]
<b>NA</b>	Added ability to specify file types to transfer as ASCII using the *.ext format in addition to .ext or ext.
<b>NA</b>	Fixed an issue When using FTP with Enhanced Event Processing that caused connection failures. This issue would also cause PeerSync to report folder Adds as updates during Enhanced Real-Time. By default, on load of a Profile, we now disable Enhanced Event Processing for FTP Target Jobs which have Enhanced Real-Time enabled. This can be re-enabled from the interface or by adding the /QYE+ switch to the list of Command Line Arguments.

### Reporting

<b>ID</b>	<b>DESCRIPTION</b>
<b>NA</b>	Fixed issue where reporting of .PSTMP, .PSLOCK and other internal exclusions would be logged.
<b>NA</b>	Now storing seconds when writing the modified time of files to the log file.
<b>NA</b>	Fixed an issue where files being Added on a Retry Cycle were being reported or logged as Updated.
<b>NA</b>	Fixed TCP reporting issues where PeerSync would fail to report failures due to invalid encryption settings (User Name or Password) as well as incorrectly report copy file progress.

NA	Fixed an issue where PeerSync incorrectly displayed TCP Connection failure messages for non-TCP Jobs. It now correctly reports connection failures.
NA	Improved reporting accuracy of attribute changes during enhanced scanning.
NA	Fixed an issue where Admin/Email advanced settings do not run when stopping the Service from the Profiler.
NA	Resolved an issue where Enhanced Event Processing Caused file Adds to be reported as Updates.
NA	Fixed an issue where a "Cannot create folder ..." error message was being reported for each and every folder encountered if PeerSync lost connection to the target during a scan.
NA	Resolved an issue where files that were excluded because they were GREATER then x bytes was being reported incorrectly. The exception entry showed the byte criteria for the exclusion to be the value of the "Exclude files LESS then x bytes" instead.

### Profiler/Interface

ID	DESCRIPTION
NA	Fixed an issue where random Options dialogs would appear when navigating through the Profiler with multiple Jobs selected.
NA	Fixed an issue where occasionally the Profiler would display garbage when PeerSync was running as a Service.
NA	Changed the Date Exceptions check boxes to radio buttons.
NA	Fixed an issue where the Profiler would display a modal dialog message after installing the PeerLock service.
NA	Profiler changes made to PeerLock configuration options will now be saved and stored out when hitting the PeerLock Launch or Start button from the Profiler.

### Status Display

ID	DESCRIPTION
NA	Improved "Added" statistics to show only the count of files that have been added and no longer increment the count for folders added.
NA	Improved the Copy Thread Progress display to clean up files that have completed during TCP and/or ByteReplicator transfers.
NA	Improved the "Checked" display to no longer increment when a *.PSLock file or PeerLock stub file is detected and ignored.
NA	Fixed an issue where extensive flickering would occur when incrementing and decrementing the Managed File List counter.
NA	Fixed an issue where status statistics were incorrectly displayed during Enhanced Scanning.

### Blackout Period

ID	DESCRIPTION
NA	Fixed an issue where during Blackout Periods PeerSync incorrectly reported that folders were being added.
NA	Fixed an issue where under certain circumstances PeerSync would try to process events during a blackout period. In particular, the issue would occur when using Enhanced Event Processing.

### File Compression

ID	DESCRIPTION
NA	Fixed an issue where real-time deletions with Enhanced Event Processing would fail during File Compression and Expansion.

### Revisioning

ID	DESCRIPTION
NA	Fixed an issue where the first Revision saved was a copy of the current file. This would cause the Target file and first Revision to be the same. The first Revision should be the previous version of the current file. This problem occurred only if the Revision folder was located in a folder outside of the Target folder.

### EOFM/VSS

ID	DESCRIPTION
NA	Fixed an issue where VSS and/or EOFM prevent system log off, restart, and/or shutdown.
NA	Added Tray Icon pop-up hint message to show and update the status of VSS or EOFM when running.

### Other Miscellaneous Enhancements/Improvements/Changes

ID	DESCRIPTION
NA	<p>Resolved an issue where the running PeerSync Application would not allow the computer to Shutdown, Restart, or Log Off. This issue occurred when any of the following options/features were used:</p> <ul style="list-style-type: none"> <li>· The Profiler was hidden using the /GLS command line argument</li> <li>· The skins were disabled</li> <li>· EOFM or VSS were enabled and running</li> </ul> <p>This issue would not occur if PeerSync was running as a Service</p>