

PeerSync, Peer-To-Peer Folder Synchronization Utility, Version 8.0.0


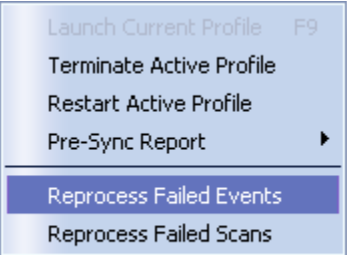
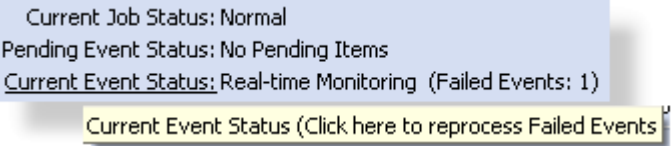
To upgrade, double-click on the installation file (ps80.exe) in the Explorer window, or choose "Run" from the Start Menu and then select the application.

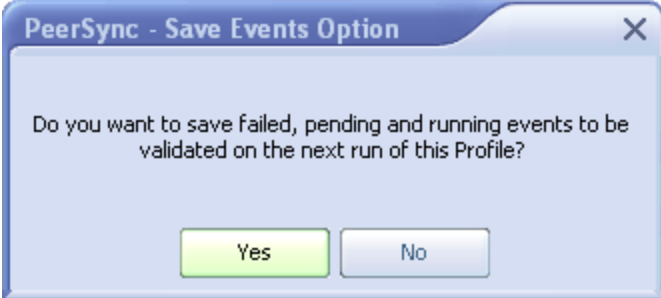

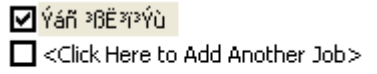
If you are upgrading the current version of PeerSync (7.4 to 8.0) simply install the application over your existing PeerSync and the previous version will be backed up in a sub-folder called 'BACKUP' (if the option to keep a backup is selected during the installation).

If you are evaluating a new version of PeerSync 8.0 and you already have an existing copy of PeerSync 7.4 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>

Performance	
ID	DESCRIPTION
1076	<p>NEW! Added new logic to eliminate unneeded initial scans when the Scan Job once at start option is enabled. The last save time is now being stored and compared to the last scan time during Restarts (see ID# 1078 and ID#1075) to determine if a scan should be executed or not. If the last scan is newer than the last save the initial scan for the Job will be ignored during Restarts limiting the amount of work necessary when restarting a Profile.</p> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>Last Save: 6/8/2009 11:16:38 AM (Saved by: DOMAIN\USER) Last Scan: 5/29/2009 2:15:34 PM (Completed Successfully)</p> </div>
1106	Quicker Shutdown of PeerSync. Terminating PeerSync while there are connections open to the Listener no longer waits for timeout; allowing for faster shutdown or restart.
1051	Improved overall performance when there are pending events being analyzed (with no Job or Copy Threads running).
NA	More intelligent connection failure reconnects: If a file exceeded all retries during the connection failure it will now go into the Failed Files list and be processed upon reconnect (previously PeerSync would have to do a scan in this scenario).
Miscellaneous	
ID	DESCRIPTION
1080	NEW! Added new Failed Events functionality. This new concept provides the ability to track failed events that could not be processed and can be viewed in the Run/View

	<p>or Status Display windows.</p> 
<p>1081</p>	<p>NEW! Added new Failed Scans functionality. This new concept provides the ability to track failed scans that could not be processed and can be viewed in the Run/View or Status Display windows.</p> <p>Note: Failed Scans will only occur if a scan is interrupted or cannot run and the Retry failed connection every x minutes option is disabled.</p>
<p>1079</p>	<p>NEW! Added new Pending Event status functionality. This new concept provides the ability to see pending items in the Run/View or Status Display windows (pending scans, events, retries and/or managed files that are queued to be processed).</p>
<p>1082</p>	<p>NEW! Added the ability to save, view and process Failed Files and Failed Scans. Failed Events can be viewed when running PeerSync as an application in the Status Display window > Failed Events tab. Failed Files and Failed Scans will be automatically saved on close/stop of the PeerSync service/application and can be re-processed by clicking on the Current Event Status link in the Run/View or Status Display windows or the Run > Reprocess Failed Event / Reprocess Failed Scans menu items.</p>   <p>Note: Failed Scans will only occur if a scan is interrupted or cannot run and the Retry failed connection every x minutes option is disabled.</p>
<p>1082 &</p>	<p>NEW! Added new functionality to save Failed, Pending, and Running events on close/stop of PeerSync. If the user chooses to save failed, pending, or running events</p>

<p>1076</p>	<p>on close/stop of the PeerSync service or application, the events will be validated and processed on the next run of the Profile.</p>  <p>The image shows a dialog box titled "PeerSync - Save Events Option". The text inside asks: "Do you want to save failed, pending and running events to be validated on the next run of this Profile?". There are two buttons: "Yes" (highlighted in green) and "No".</p>
<p>1078</p>	<p>NEW! Added a new Restart button with new intelligent restart functionality that eliminates/improves scanning upon PeerSync service/application restart. This will greatly improve performance during a restart (most commonly due to profile changes, but also for any other reason).</p>  <p>The image shows a toolbar with five buttons: "New", "Open", "Save", "Stop", and "Restart". The "Stop" button is a red octagon with a white "STOP" text, and the "Restart" button is a blue circular arrow.</p>
<p>1083</p>	<p>NEW! Added full support for Unicode characters within the PeerSync configuration interface. The user will now be able to include Jobs that have a source or target folder with Unicode characters in its name, be able to exclude/include file/folders with Unicode characters and utilize any of the other Profile configuration/Status Display settings with full Unicode support.</p>  <p>The image shows a checkbox that is checked, with the text "Unicode" next to it. Below it is a link that says "<Click Here to Add Another Job>".</p>
<p>1077</p>	<p>NEW! Profiles are now stored in a Profiles sub folder under the PeerSync install folder by default.</p>
<p>1060 & 1046</p>	<p>Improved the service stopping behaviour. Now, when quitting the service PeerSync will execute all quit processes such as cleaning up the temporary directories, send admin/email at close, store pending events, close handles, un-map dynamic drives created, etc.). Also, when the service is set to "Interact with Desktop", if quitting from the Status Display screen PeerSync will now close the service correctly as if stopping the service from the Windows Services dialog or via the Profiler.</p>
<p>980</p>	<p>Fixed an issue where the /T (Terminate all instances of PeerSync) argument would not work.</p>


968	Resolved an issue where the /LHx (Set Deletion Move To Folder Cleanup Interval) argument would not work unless the Job had scheduled scans enabled.
1033	Fixed an issue where the PeerSync application would fail to stop when terminated. The issue would occur if the PeerSync service was installed while the application was running.
1045	Resolved an issue with Retries where during a disconnect to the target, if the first event was a deletion it was not sent to the retry list (when applicable).
1048	Fixed an issue when using File Compression . Zero size files did not get added to the target zip file. Also, on expand (with a File Compression Expand Job) the following message would be logged: Expand File Error: FILENAME.ZIP - No files were processed...
1066	PeerSync will now allow arguments to be used after the /USEPROFILEARG switch.
967	Resolved an issue where the dynamic Deletions cleanup Job would run every 2.5 days. It now runs every 24 hours or immediately after the initial scan.

Synchronization

ID	DESCRIPTION
970	Resolved an issue where PeerSync would continuously throw Connection Failure errors when it encountered a folder during a scan for which access was denied. The following messages would be thrown: Cannot Access Folder: C:\Folder\Path\ (Access is denied) [Error=5]... Cannot connect to: C:\Folder\Path\... Cannot connect to shared source device: C:\Folder\Path\ - Failed during Build of File List - Terminating Job Name: Job1 (Access is denied)... Connection Failure: C:\Folder\Path\ (Connection Retry is Enabled)... Connection Reestablished: C:\Folder\Path\... The problem occurred under circumstances where PeerSync was running under a low privileged account such as a user that was only part of the Domain Users group.
1005	Fixed an issue where real-time detection stopped working when there were high amounts of retries.
1054	Fixed an issue where two simultaneous real-time Jobs move an empty folder from

	one source to the other fails to process the events.
1059	Resolved an issue where real-time events were occasionally missed when lots of events were occurring.
1065	Fixed an issue where empty truncated folder paths sometimes were created when using the bi-directional option. This may have occurred after a scan connection failure reconnected where a target file was being brought back to the source at the time of the connection failure (and on re-connect the events were no longer valid because the files/folders were deleted) or when loading stale bi-sync events at start.
891	Fixed an issue where file transfers and scans would fail with the following error: Error 1130: Not enough server storage is available to process this command

ByteReplicator

ID	DESCRIPTION
1053	NEW! New Defaults: The ByteReplicator will now exclude .ZIP and .RAR files by default. 
1044	Fixed an issue that occurred when using the ByteReplicator to update a file that has not changed in size or timestamp. The process would fail and PeerSync would log a Cannot update file attribute... message.

Enhanced Scanning

ID	DESCRIPTION
936	Resolved an issue where Enhanced Scanning would not work when the Bi-directional option was enabled.

FTP

ID	DESCRIPTION
1070	Resolved an issue where if a source FTP file was exclusively locked PeerSync would not log a message and would fail the file without respecting the retries.
1091	Fixed an issue where sub folders would not be created on certain sites when using an FTP Target.

TCP

ID	DESCRIPTION
1107	NEW! Profiler Default: The ByteReplicator and TCP timeout values are now 120

	seconds to allow ample time to establish connectivity especially for links with high latency.
754	Improved performance and efficiency when adding files to a TCP target.
850	Resolved an issue where PeerSync would create empty folders on the target. When using a TCP Source with folder exclusions PeerSync would create the excluded empty folders on the target.
1062	Fixed an issue using TCP with the Bi-directional option. When pulling a file from the target to the source if a file was not accessible then PeerSync would creates a zero (0) size file on the source and would not log a failure.
1063	Fixed an issue using TCP with the Bi-directional option. When using the third open file setting Exclude open files (allow read access to source file during transfer) , pulling a file from the target to the source would fail and the retry would now work. The following would be reported: Cannot open source file (Added To Retry List): FILENAME (The system cannot find the file specified)
1064	Resolved an issue where TCP pulls did not display the Checked count in the reports.

Observer

ID	DESCRIPTION																
1006 & 1007	<p>NEW! Added the ability for PeerSync to send additional statistics such as Failed Files and Failed Scans to the Observer for central monitoring. The following statistics are transmitted:</p> <table border="1"> <tr> <td>Pending Events</td> <td>Events that have been queue but are still waiting to be processed.</td> </tr> <tr> <td>Pending Retries</td> <td>Files waiting in the list to be retried.</td> </tr> <tr> <td>Failed Scans</td> <td>The number of Jobs that need to be re-scanned due to a connectivity failure/error.</td> </tr> <tr> <td>Failed Files</td> <td>Files that have failed to be replicated/synchronized possibly due to Retries being turned off or exceeded.</td> </tr> <tr> <td>Detected Events</td> <td>Events that have been detected but have not been analyzed and entered in a queue yet.</td> </tr> <tr> <td>Pending Managed Files</td> <td>Files that are waiting to be processed using the Embedded Open File Manager (EOFM) or VSS based on the Managed Files interval.</td> </tr> <tr> <td>Pending Scans</td> <td>Scans that have not been able to run because of lack of Job Threads.</td> </tr> <tr> <td>Job Count</td> <td>Total number of Jobs running in the current Profile</td> </tr> </table>	Pending Events	Events that have been queue but are still waiting to be processed.	Pending Retries	Files waiting in the list to be retried.	Failed Scans	The number of Jobs that need to be re-scanned due to a connectivity failure/error.	Failed Files	Files that have failed to be replicated/synchronized possibly due to Retries being turned off or exceeded.	Detected Events	Events that have been detected but have not been analyzed and entered in a queue yet.	Pending Managed Files	Files that are waiting to be processed using the Embedded Open File Manager (EOFM) or VSS based on the Managed Files interval.	Pending Scans	Scans that have not been able to run because of lack of Job Threads.	Job Count	Total number of Jobs running in the current Profile
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966	Fixed an issue where the /GLS (Display status in Profiler silently) argument disabled status information to be sent to the Observer.																

Managed Files

ID	DESCRIPTION
1031	NEW! Upgraded the Embedded Open File Manager (EOFM) driver used for

	Managed Files. It now fully supports 64 bit AMD platforms and Windows 2008 Servers.
1050	Improved performance during the addition of files to the Managed Files list. In particular performance will be improved for files that are constantly updated multiple times within a Managed Files cycle.
919	Fixed a issue where Managed Files would not work when the Exclude open files (allow read access to source file during transfer) option was enabled in the Open Files window.
1047	Fixed an issue where Managed Files with Enhanced Scanning enabled could cause scans to not run. When the Job thread count would be equal to or less than the number of Jobs in the Profile the initial run of Managed Files could cause Jobs to backup and scans not to run.
1049	Fixed an issue where Managed Files checks could overlap if the first call took longer than the Managed Files cycle to complete.

ACLs

ID	DESCRIPTION
1103	Resolved an issue where ACLs were not being transferred for long file paths.
1104	Improved performance during scans when using the Check for ACL changes during scans option.

Reporting

ID	DESCRIPTION
1056	NEW! Added the reporting of started, stopped, paused, resumed, restarting and restarted status of Profiles and if running as a service or application during these entries.
1008	NEW! Added the ability to report (log or e-mail) Failed Files .
1068	NEW! Updated the reporting entries for files that are updated using the Always Overwrite option. Each entry will now show the target size along with the date/time that was replaced. If the size was different or the date strings match then PeerSync will log the actual integer values of the source and target date/time including milliseconds with a note suggesting the use of the /QF+ (Precision Comparison) argument.
1067	NEW! XML Stats Reporting - When a scan completes with messages added the following to the "Completed Successfully" entry in the xml file for the Job: Completed with n Messages
1004	Fixed an issue with the Create Support Info File on the Desktop ... option. When selected it would only collect the main PSError.log file. No other PSError log files would be gathered if they existed (i.e. PSError.bak1.log).
873	Resolved an issue where log entries were made for files excluded from target locations during one-way scans. This should only occur when doing bi-directional scans.

1055	Fixed an issue where Added to retry list and Last Retry messages were not always accurately reported for different types of failures.
1057	Modified the message displayed when VSS fails... From: This system may need to be restarted To: The Volume Shadow Copy Service and/or this system may need to be restarted
1058	Fixed an issue where expanded Jobs incorrectly reported " Scan " or " RT Scan " instead of " Expanded Job " as the mode for Folder Adds, Folder Deletes and File Deletes.
857	Resolved an issue where reporting of source folder counts to the xml stats file was inaccurate. This occurred for Job using a TCP Source.

Display

ID	DESCRIPTION
1075	<p>NEW! Added a new display on the Folder Selection screen to show the last time a Job was saved (Last Save: Date/Time) and by what user (Saved by: DOMAIN\USER). This display has also been added to the hint displayed when mousing on the Job in the Profile Job List. The last save time is compared to the last scan time during restarts to determine if a scan should be executed or not upon restart. If the last scan is newer than the last save the initial scan for the Job will be ignored during restarts limiting the amount of work necessary for restarting a Profile.</p> <div style="border: 1px solid gray; background-color: #e0e0e0; padding: 5px; margin-top: 10px;"> <p>Last Save: 6/8/2009 11:16:38 AM (Saved by: DOMAIN\USER) Last Scan: 5/29/2009 2:15:34 PM (Completed Successfully)</p> </div>
1073	Improved the display when connecting to a running Profile or restarting a Profile. Will now try to connect for up to 60 seconds and display Connecting or Restarting on the launch button and source and target captions based on the current action.
1069	Improved the display of single threaded Profiles to show the Job/Copy threads when PeerSync is still working on a file. Added this because PeerSync would show N/A during an attempt to transfer an FTP source file that was open and in use where it looked like there was no activity during the internal retries of trying to access the file. It also makes the display more consistent with the new Pending and Failed event display.
1052	Improved the Status Display to always initialize all stats and display captions at the start of a Profile.
982	Fixed an issue where the Use Skins setting interfered with the following display options:

	<p>Right-clicking on the tray icon and selecting Show Status Display would not work on first try. The option needed to be unchecked and re-checked again in order for</p> <ol style="list-style-type: none"> 1. the Status Display window to show. On occasion the Run/View window would not show any runtime statistics. This occurred if PeerSync was started without showing the Profiler (application mode). Once the user selected View Active Profile from the Profiler the statistics would 2. begin to show. <p>Disabling the Use Skins option would resolve both issues.</p>
1061	Fixed an issue where the Show Status Display option from the tray would sometimes be incorrectly checked and would not show the Status Display if selected. The Tray Icon now initializes after the status is available to prevent menu failures and/or invalid status display.
1072	Resolved an issue that occurred when selecting multiple Jobs in the Profiler that had different reporting options checked. PeerSync would fail to set the grayed checked state for old Jobs loaded where the stored value for some Jobs did not contain all the check boxes.
1074	Fixed an issue where the Profiler View > Folders options would fail to launch and display the source and target folder selections on some systems.
1076	Stopping a Service from the Profiler will now display a warning dialog like the one displayed when stopping the Application.

QuickSync

ID	DESCRIPTION
999	Resolved an issue where a non-persistent QuickSync Job would run indefinitely in a persistent state.
1000	Fixed an issue with the QuickSync Profile. When opened for editing the Profiler would prompt to convert it to a newer format. The QuickSync Profile was older than the new Profiles/Jobs created by PeerSync.