

PeerSync 8.0 and PeerLock 3.0 New Version Features

PeerSync

Performance

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.

Last Save: 6/8/2009 11:16:38 AM (Saved by: DOMAIN\USER)
Last Scan: 5/29/2009 2:15:34 PM (Completed Successfully)

Miscellaneous

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** or **Status Display** windows.

Current Job Status: Normal
Pending Event Status: Pending Items (Scans: 1) (Detected/Processing Events: 13/28) (Retries: 1)
Current Event Status: Job/Copy Threads - 1/10 (Failed Events: 1)

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.

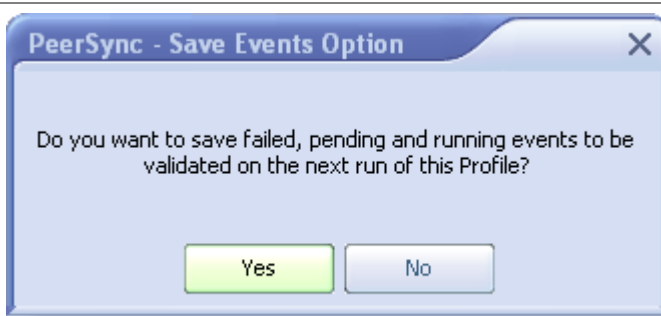
NEW! Added new **Pending Event** status functionality. This new concept provides the ability to see pending items in the **Run/View** or **Status Display** windows (pending scans, events, retries and/or managed files that are queued to be processed).

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.

The screenshot shows a context menu on the left with the following items: "Launch Current Profile F9", "Terminate Active Profile", "Restart Active Profile", "Pre-Sync Report", "Reprocess Failed Events" (highlighted), and "Reprocess Failed Scans". To the right, a status display window shows: "Current Job Status: Normal", "Pending Event Status: No Pending Items", "Current Event Status: Real-time Monitoring (Failed Events: 1)", and a link "Current Event Status (Click here to reprocess Failed Events)".

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.

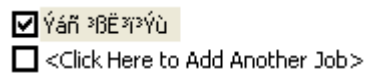
NEW! Added new functionality to save **Failed**, **Pending**, and **Running** events on close/stop of PeerSync. If the user chooses to save failed, pending, or running events on close/stop of the PeerSync service or application, the events will be validated and processed on the next run of the Profile.



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).



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.



NEW! Profiles are now stored in a **Profiles** sub folder under the PeerSync install folder by default.

ByteReplicator

NEW! New Defaults: The ByteReplicator will now exclude **.ZIP** and **.RAR** files by default.



TCP

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.

Observer

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:

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.

For more information call +44 (0)1684 576343 or email enquiries@purplerage.com

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Data Sheet

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

Managed Files

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.

Reporting

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.

NEW! Added the ability to report (log or e-mail) **Failed Files**.

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.

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

Display

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.

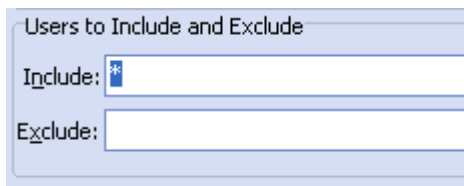
Last Save: 6/8/2009 11:16:38 AM (Saved by: DOMAIN\USER)
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PeerLock

New Features

NEW! Added full **Unicode** support to allow the locking of files that contain Unicode characters in their name or path (for example files using Chinese character sets).

NEW! Added a new **Include/Exclude Users** option to allow the exclusion of files opened/locked by specific users. For example, you may choose to exclude files that are opened by the Administrator since activity generated under this account is typically non user related and does not need to be reacted on. Doing so will increase performance in PeerLock by filtering out unnecessary activity. For optimal performance we recommend you exclude the user account under which PeerLock and/or PeerSync are running.



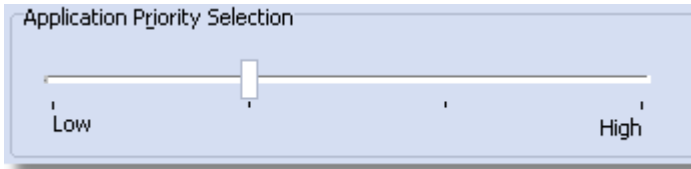
NEW! Added a new **Performance** slider to adjust the PeerLock application priority. To achieve faster PeerLock response rate move the slider to the right. To achieve lower CPU usage move the slider to the left.

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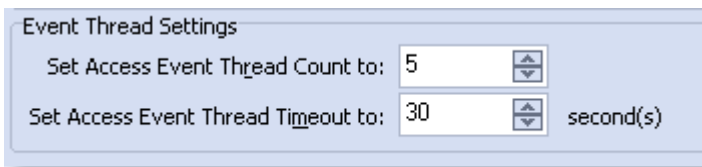
Data Sheet



Each slider position represents the following values:

	Sleep Frequency	Sleep Value
Slider Position 1	10	100
Slider Position 2	25	50
Slider Position 3	50	25
Slider Position 4	100	10

NEW! Added **Event Thread Settings** to specify the number of threads used to detect and lock opened files. This feature improves the detection and locking of opened files and overall responsiveness of PeerLock. Increase this value if you want PeerLock to have more threads available for locking files. The Timeout setting is used to determine for how long to leave inactive threads running for.



Performance

NEW! Improved performance by optimizing the detection logic for opened files that need to be excluded.

Reporting

NEW! Added **Cache Management** reporting. If the option to **Clear Cache at Start** is enabled or the **Clear Cache** button is hit, a log entry will be made for each **PSLock** or **Stub** file that is deleted. The following entries may now be logged:

Deleted PSLock File (At Start) ...
Deleted Source PSLock File (At Start) ...
Delete Stub File (At Start) ...