



PeerSync Help Manual

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PeerSync Help

Welcome to Peer Software's powerful file mirroring, backup and distribution solution, PeerSync v9.6.0. With this product you will be able to conveniently synchronize folders for back-up purposes or portability requirements. Never again will you overwrite newer data by attempting to manually update an individual file or the contents of a folder.

History

PeerSync has been available for download/purchase since early 1995. Since then hundreds of downloads have been logged from various international forums where PeerSync was made available and thousands of copies have been sold. PeerSync is an MS Windows-based product. Originally written in Visual Basic, the current product is written in Delphi Object Pascal. PeerSync originated as a solution to a problem frequently encountered by our own developers, that of keeping files in sync between multiple hard drives. Developers working on-site at customers' locations or at home during crunch schedules would then have to synchronize their data back to the office server. This was most often done manually, with each individual file being dragged to the appropriate server folder. Invariably, data would be lost when one or several of the server files contained new information which was subsequently overwritten. In addition to loss of work and resulting frustration, the process was also time consuming. Anywhere from 20 minutes to 2 hours would be spent during each synchronization. After reviewing several commercially available products, it became apparent that an effective and user-friendly solution to this common problem did not exist, hence the development of PeerSync.

Description

Configured through the Profiler, an intuitive and easy-to-use application, PeerSync automatically synchronizes multiple directories and sub-directories from user-defined Source to Target Folders. While removing the frustration and loss of time associated with manual synchronization, PeerSync prevents loss of data by checking file dates and times to ensure that newer information is not overwritten. Synchronization can occur between any mapped or UNC connected drives located on local computers or computer networks. While processing and performing any number of simultaneous tasks, PeerSync retains and expands upon the selectivity and precision of manual synchronization by offering a suite of automated file inclusion and exclusion features. Files can be included within synchronization according to standard DOS-type wild cards and excluded using sub-string comparisons or file attribute settings. Files can also be excluded according to their date and size. In addition, PeerSync can be configured to update or add files which are outdated or non-existent in the current Target Folder. Precision and scope are further enhanced through PeerSync Jobs and Command Line Modes. A virtually unlimited number of folder combinations (Jobs) can be created and stored in Profiles which can be run manually or automatically using command line arguments. While synchronizing large numbers of folder combinations at once, each combination can have a unique set of exceptions. In this way PeerSync combines the benefits of precise folder matching with that of an automated environment. Real-Time Source Folder monitoring and repetitive operations on the host PC are also available with PeerSync's options. PeerSync can also be used for network file management purposes. Reports run during synchronization can display added, updated, and opened files as well as directories created, and can display unmatched files found in Target directories.

File Transfer Protocol (FTP)

As of version 9.4, PeerSync's File Transfer Protocol (FTP) is "End-of-Life" and no further development or support will be provided. Please contact support@peersoftware.com for more information.

File and Folder Compression

As of version 9.4, PeerSync's File and Folder Compression feature is "End-of-Life" and no further development or support will be provided. Please contact support@peersoftware.com for more information.

Dell EMC VNX and Isilon

Version 9.4 and higher of PeerSync supports real-time and share migration for both Dell EMC VNX and Isilon when using CIFS/SMB.

Dell EMC Unity

Version 9.5 and higher of PeerSync supports real-time and share migration for Dell EMC Unity when using CIFS/SMB.

Nutanix Files

Version 9.5 and higher of PeerSync supports real-time and share migration for Nutanix Files when using CIFS/SMB.

The manufacturer of PeerSync makes no warranties, implied or otherwise, for use of this product. User assumes all responsibility for any data loss or damage.

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This PeerSync Help Manual is for v9.6.0 and was built on Monday, July 8, 2024.

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For more information on registering PeerSync, please visit <https://www.peersoftware.com>.

Upon registering PeerSync, user information will be generated according to the name and company name (if any) you specified during registration, as well as a password specific to the product version you have licensed. This information will be emailed to you and will be used to activate your current copy. Additional license fees must be paid for multi-user use.

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Please visit <https://www.peersoftware.com> for different versions of PeerSync and types of licensing we offer.

Note Regarding Updates: As new updates/changes become available, updated versions of the software will be posted at <https://www.peersoftware.com>. Check this page periodically to download the latest executables. Your Authorization Key will continue to work with updated versions unless a major release is issued, or PeerSync is installed in a different folder than the previously installed/authorized version.

Entering Your User Information and Password

Through an Evaluation Copy of PeerSync:

After registration with Peer Software, Inc., you will receive Registration Information generated which is from the information you provided during registration. The password you receive will be specific to the PeerSync product you have licensed and registered with Peer Software. Upon entering valid password and user information into your Evaluation Copy, that copy will be immediately converted to a fully licensed version of the appropriate PeerSync product. The instructions below apply to a "Registered Evaluation Copy" of PeerSync, that being one whose evaluation period is still active.

To activate your registered and licensed PeerSync product, first run your Evaluation Copy of PeerSync. Then choose "About" from the [Help Menu](#) located on the far right of the Profiler Menu Bar. To activate your registered and licensed PeerSync product, first run your Evaluation Copy of PeerSync. Then choose "About" from the [Help Menu](#).

Located on the far right of the Profiler Menu Bar. This opens the About PeerSync screen, which contains "User Name," "Company", "Options" and "Password" fields.

Be sure to enter this information exactly as you received it, with the same spacing, hyphenation, punctuation, and cases (i.e. if a comma or period contained within a company

name is omitted, registration will not be accepted). It is advisable to cut-and-paste passwords directly from the Email registration information. If passwords are typed using lower case letters where upper cases have been indicated, or if other information is typed incorrectly, the message shown below will be displayed. This message indicates that registration was unsuccessful; shows the number of attempts made to register, and contains' a link to Peer Software's website. You will only be allowed a limited number of attempts before the application closes entirely and will need to be opened again in order to retry.

If registration is successful, your will receive a success dialog. Your Evaluation Copy will have been immediately activated as a registered version of the PeerSync product you have licensed, with this change indicated on the interface title bar. Click "OK" on the success dialog to begin usage of your newly activated PeerSync product. You will not have to exit and restart the application to do so.

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After registration with Peer Software, you will receive Registration Information which is generated from the information you provided during registration. The password you receive will be specific to the PeerSync product you have licensed.

To activate your copy of PeerSync as a fully licensed version, first run the copy. Because your copy is unregistered, the application will not open in its entirety, instead an About PeerSync screen will open. This screen contains "User Name," "Company", "Options" and "Password" fields.

Be sure to enter this information exactly as you received it, with the same spacing, hyphenation, punctuation, and cases (i.e. if a comma or period contained within a company name is omitted, registration will not be accepted). It is advisable to cut-and-paste passwords directly from the Email registration information. If passwords are typed using lower case letters where upper cases have been indicated, or if other information is typed incorrectly, the message shown below will be displayed. This message indicates that registration was unsuccessful; shows the number of attempts made to register, and contains' a link to Peer Software's website. You will only be allowed a limited number of attempts before the application closes entirely and will need to be opened again in order to retry.

If registration is successful, your will receive a success dialog. Your copy will now have been immediately activated as a registered version of the PeerSync product you have licensed. Click "OK" on the success dialog to begin using your registered copy: the About PeerSync screen will close and the full application interface will be displayed. You will not have to exit and restart the application to begin usage.

TERMS AND CONDITIONS

READ THE [LICENSE](#) AGREEMENT BEFORE USING THIS PROGRAM.

Please send any suggestions, comments or requests for support to the proprietor of PeerSync:

Peer Software, Inc.
5900 Fort Drive , Suite 415
Centreville, VA 20121

Phone: 703.763.7700
Fax: 703.763.7705
Web: <https://www.peersoftware.com>

Upgrade Information

Visit <https://go.peersoftware.com/peersync-upgrade-requests> to get the latest version of PeerSync.

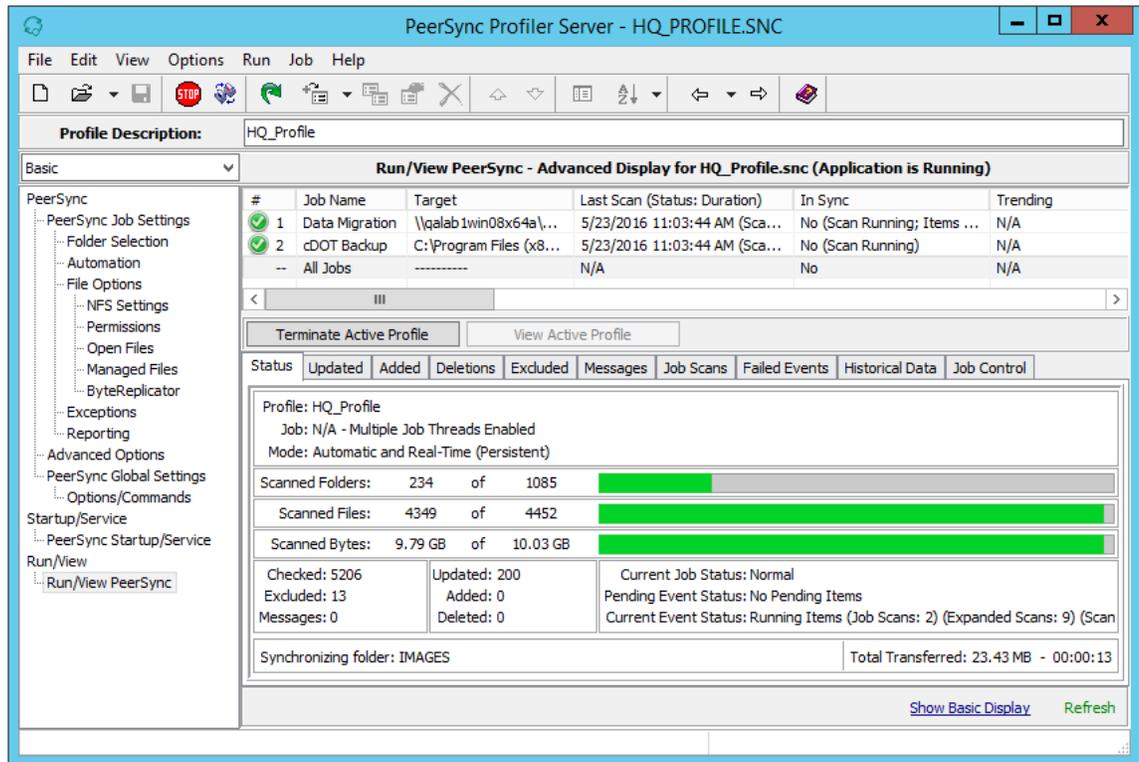
Check this page periodically to download the latest executables. Your Authorization Key will continue to work with updated versions unless a major release is posted.

To Upgrade PeerSync and PSListener

Major product upgrades such as v9.5.1 to v9.6.0 will require a new product key. Users currently on annual maintenance must fill out the [request for upgrade form](#) to receive the upgrade license key before downloading v9.6.0.x. Users not on annual maintenance must contact [sales](#) for upgrade pricing.

The following document outlines the steps to upgrade PeerSync and PeerSync Listener (ByteReplicator - TCP WAN Connector/PSListener Agent) from one version to the next: <https://kb.peersoftware.com/kb/upgrade-peersync-and-peersync-listener>

Interface Features



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The PeerSync Help Manual was built on Monday, July 8, 2024

Getting Started

The Profiler is used to create PeerSync Profiles. A Profile can contain as many as 255 individual synchronization tasks, or Jobs. A Job is defined by identifying a Source Folder, a Target Folder (to which the contents of the Source will be synchronized), and then choosing from more than 80 easily specified Job Settings. These settings determine which contents will be synchronized, in what manner, and when they will be synchronized -- according to your choice of Real-Time, Scheduled, or manually initiated operations.

The process of building a Profile is made quick and simple by allowing you to easily create Jobs and then follow the sequentially arranged list of Settings screens accessed through the [Selection Tree](#), which is located on the left side of the application interface. The user begins by first selecting a single Job or Multiple Jobs from the [Profile Job List](#). Then specific synchronization criteria is applied to the selected items using [Job Settings](#). Once synchronization criteria has been configured for each Job, Run/View Current Profile window is used to launch the entire Profile. By offering a Tool button Toolbar as well as separate [Selection Tree](#) and [Profile Job List](#) windows, Profiler's browser-based interface

allows you to easily view, create, copy, rename, move, or delete Jobs regardless of which Settings screen is currently being displayed.

Product Definitions	
Synchronization	Updating any existing files or adding new files in the Target Folder using the Source Folder as the guide. When completed, the Target Folder should contain all of the files in the Source Folder with matching content and time stamps.
Replication	Same as synchronization, except files that are in the Target Folder that do not have a matching Source File will be deleted.
Profiles	<p>A Profile is a description of a complete synchronization scenario. Profiles can contain many Source-Target combinations allowing the end-user to define very detailed file synchronizations and run them all within a single request. For example, you could build a Profile that contains Multiple Source and Target Folders such as:</p> <pre> Source = C:\MyTarget = \ Documents \SERVER1\USERS\TEST\My Source = D:\LocalData Target = \ \SERVER2\USERS\TEST\LocalD Source = C:Target = \ \WINDOWS\Profiles \SERVER3\USERS\TEST\Profiles </pre> <p>Each of these Source-Target entries can then be further detailed with more than 65 options each making each entry a completely self-contained process while still allowing it to be run as part of a bigger set or Profile.</p>
Jobs	A Job is a single entry in a Profile. A Profile can contain from one to 255 Jobs and each Job contains more than 80 individual option settings.
Real-time Mode	In this mode of operation, PeerSync will automatically detect changes made to the Source Folder(s) and execute the synchronization options selected for the matching Job. Typically, the Target Folder is updated with the Source Folder change within moments of the change. Note that PeerSync may have completed the operation before Windows actually displays the change in the Target Folder Explorer window.
Scheduled Mode	In this mode of operation, PeerSync will execute the designated Job at the selected time. Each Job in the Profile can have the same or different time interval.
Product Support	All support of PeerSync will be handled on our web site support page located at http://www.peersoftware.com/support/submit-a-case.html .

	PeerSync is fully supported under all NT based platforms of Windows but should first be evaluated on each machine in which you wish to register the product on. PeerSync is no longer fully supported under Windows 9x platforms.
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Notes:

1. The Profiler is not meant to be running persistently on the Desktop. Rather it should be accessed to create/modify Profiles and to view the status of running Jobs.
2. For more information on the latest features and how to implement specific scenarios please go to our support page at: <http://www.peersoftware.com/support/submit-a-case.html>.

Tool Buttons

Profiler offers simple buttons allowing you to easily modify the current Profile and its Jobs, regardless of which screen has been chosen from the [Selection Tree](#). These buttons can be hidden by unchecking the "Tool Buttons" option, accessed through the "Toolbars" item on the [View Menu](#). Even if this Toolbar has been hidden you will still be able to access its options by using the File, Edit, and Job Menus. You can also change the placement of these buttons by clicking on the left side of the Toolbar and dragging it to rest above or below the [Profile Description](#) Toolbar.

Tool Buttons Toolbar	
The following descriptions are listed in the order in which they appear left to right on the Tool Buttons Toolbar and are all accessible via the application Menus.	
New Profile	<p>Located on the far left of the Toolbar, this button creates a new Profile. If another Profile containing unsaved changes is currently open when this button is pressed, a dialog box will open asking you if you want to save changes to the current Profile before opening a new one (See Save Profile Button Below). If you choose "No," the new Profile will replace the current one and no changes will be saved.</p> <p>Note: If the current Profile has not been previously saved and "No" is chosen, the entire Profile will be lost.</p>
Open Profile	This button displays a "Select Profile File" dialog box allowing you to open an existing Profile. By default, it will open in the path in which PeerSync has been installed (i.e. C:\Program Files\PeerSync). Links to previously opened Profiles can be accessible through a drop-down list opened by clicking on the arrow key attached to this button.
Save Profile	This button allows you to save new Profiles, or save changes made to existing Profiles. If you are saving a new Profile, a "Save As" dialog box will open allowing you to name and store it as an .SNC file in your choice of folders, with "NewProfile" as the default name and the path in which PeerSync has been installed as the default directory. Profiles and Profile modifications must be saved in order to be subsequently accessible.
Launch Current	This feature will launch the current Profile (Job/Global settings). During this process, an instance of PeerSync will be started with the current

Profile	<p>Profile as the first parameter and the arguments selected from the Options/Commands screen as the subsequent parameters. You can automate this process via a shortcut, through the startup folder, in the registry or as a service by selecting one of these features from the StartUp Services screen.</p> <p>Note: An active Profile must be stopped/restarted in order for any configuration changes to take effect.</p>
Terminate/Stop Active Profile	<p>This option, when available, will allow a user to terminate an instance of PeerSync that contains an active Profile that is connected to the Profiler.</p>
Restart Active Profile	<p>This option, when available, provides intelligent restart functionality that eliminates/improves scanning upon PeerSync service/application restart. This greatly improves performance during a restart (most commonly due to profile changes, but also for any other reason).</p> <p>Note: An active Profile must be restarted in order for any configuration changes to take effect.</p>
Connect: Enable Job Control Mode	<p>This tool button becomes visible when the Profiler has been started and is in a running state. The option connects the configuration Profile to the running PeerSync. When selected, this option changes the Job List Display into Job Control Mode.</p>
Disconnect: Enable Configuration Mode	<p>This tool button becomes visible when the Profiler is running as a service and Job Control Mode has been enabled. When selected, this option changes the Job List Display into the default Configuration Mode.</p>
Add Job	<p>This button adds a Job to the bottom of the current list (See Profile Job List). Jobs are named "New Standard Job" or "New Migration Job" and assigned a number by default. If you have selected "Use Wizard to Add New Jobs" from the Options Menu, the Wizard application will open when this button is pressed. The Wizard provides a guided, step-by-step method for creating and configuring new Jobs. A drop-down list attached to this button also allows you to choose between "Add Job with Wizard", "Add Job with Standard Defaults", and "Add Job with Migration Defaults" options. If the wizard is chosen, the Wizard application will open every time this button is pressed. If one of the default job options is chosen, new Jobs added to the list through this button will be configured manually using Selection Tree screens. These Jobs will use either standard or migration default settings, defaults which can be modified via the "Save Defaults" option of the Job Menu.</p> <p>Note: The first time "Add Job With Wizard" is chosen from the drop-down list, the Wizard application will open. After that point Wizard will be launched by pressing the Add Job button.</p>
Copy Job	<p>Creates a copy of the currently selected Job and places it at the bottom of the Profile Job List. Copies will be numbered by default and named after the original (i.e. "Copy 1 of My Syncs").</p>
Rename Job	<p>Allows you to rename the currently selected Job. Jobs can also be renamed manually by clicking on them after they have been highlighted.</p>

Delete Job	Deletes the currently selected Job(s). When this button is pressed, a dialog box will open asking you to confirm deletion. Jobs can also be deleted by selecting them and then pressing the DELETE key on your keyboard.
Move Job Up	Moves the currently selected Job up one place within the Profile Job List .
Move Job Down	Moves the currently selected Job down one place within the Profile Job List .
Show Selection Tree	Shows or hides the Selection Tree . If the Tree has been hidden, its space will be filled within the interface by the currently selected Settings screen. When the tree is hidden, screens can still be selected using the drop-down list attached to the Back button.
Job View	<p>Click the down arrow button next to this option to see the entire list of settings that can be used to alter the view of the Job list.</p> <p>Select Columns This option is available only when the Details view mode is set. It is used to define the exact columns to display in the Job list. Options include Source, Target, Group, Modified, and State.</p> <p>Large Icons Select this option to represent each Job as a large icon in the Job list panel.</p> <p>Small Icons Select this option to represent each Job as a small icon in the Job list panel</p> <p>List Select this option to represent each Job as a list in the Job list panel.</p> <p>Details Select this option to represent each Job as a detailed list in the Job list panel. Use the Select Columns option to customize the view to show only the desired columns.</p> <p>Group by This option is only available when the Large Icons, Small Icons, or Details view modes are selected. Use this option to group the Jobs based on the following categories: Source, Target, Job Group, Job State, and Modified.</p> <p>Options This option is only available when the Details view mode is selected. Use this option to customize the look of the Job list panel by selecting: Show Columns, Show Grid Lines, or Row Select.</p>
Back	Opens the screen located immediately above that, which is currently being displayed. Settings screens can also be accessed using the drop-down list located on the right side of the Back button; list items follow the same order as that shown on the Selection Tree .

Next	Opens the Profile Options screen located immediately below the screen currently being displayed.
Help Manual	Opens the application help file. You may also access specific parts of the help file for features you are currently observing by pressing 'F1' on your keyboard.

Profile Description

This field is located below the [Tool Buttons](#) Toolbar by default and displays a textual description of the current Profile. By default the description for an unsaved Profile will read "Profile Job List." Unless you enter a unique description into this field, a default description will be assigned upon saving the Profile; this default description will match the new Profile name.

Descriptions can be changed at any time; like all Profiler configurations, they must be saved prior to closing the Profile or application in order to be stored. The Profile Description can also be hidden by unchecking the "Profile Description" option, accessed through the "Toolbars" item on the [View Menu](#).

Menus

1. File Menu

File	
This menu includes items allowing you to create and save new Profiles, open existing Profiles, create Profile desktop shortcuts, and exit the application.	
New	Create a new Profile. This feature is accessible from the Tool Buttons Toolbar.
Open	Open an existing Profile. This feature is also accessible from the Tool Buttons Toolbar.
Reopen	Reopen a recently used Profile.
Save	Save the current Profile. This feature is also accessible from the Tool Buttons Toolbar.
Save as	Rename and Save the current Profile.
Profile - Revert to Saved	Revert to the last saved settings of the current Profile.
Profile - Merge Existing	Merge an existing Profile into the current Profile.
Profile - Create Shortcut on Desktop	Create and add a shortcut to PeerSync of the current Profile and settings/command line arguments to the desktop.
Profile - Save Defaults	Save the current settings of the Profile as the default settings.
Exit	Close/exit the application.

2. Edit Menu

Edit	
Allows you to move one step up or down between Selection Tree options screens while providing a shortcut to the Run/View Current Profile Activity screen.	
Back	Move back to the previous screen. This feature is accessible from the Tool Buttons Toolbar.
Next	Move on to the next screen. This feature is also accessible from the Tool Buttons Toolbar.
Run/View Current Profile	Go to the Run/View Current Profile Activity screen.

3. View Menu

View	
Allows you to change the appearance of the application interface. "Hint" items enable or disable pop-up hints activated by passing the mouse pointer over interface features, as well as those displayed in the Status Bar located at the bottom of the application interface. In addition to a description of Profiler features, hints will identify command line arguments associated with those features (if any).	
Toolbars - Tool Buttons	Show/hide the Tool Buttons Toolbar.
Toolbars - Profile Description	Show/hide the Profile Description Toolbar.
Toolbars - with Hot Tracks	Show/hide the hot tracks features for the Toolbars.
Toolbars - with Text Labels	Show/hide description text labels for the Toolbars.
Selection Tree	Show/hide the Selection Tree left side panel. This feature is also accessible from the Tool Buttons Toolbar. ¹
Refresh Current Profile Activity	Refresh Profile activity.
Status Bar	Show/hide the Status Bar at the bottom of the application.
Hints - on Application	Show/hide pop-up hints displayed on the application.
Hints - on Status Bar	Show/hide hints displayed on the Status Bar.
Folders	Allows for the ability to launch and display Source and Target Folder selections in organized Explorer windows in a set viewing area. This helps the user to view and/or validate the Source and Target Folder content before, after, and during synchronization. These features may be helpful during evaluation and when running and testing a newly modified Profile.

Job Groups	Similar to Microsoft's Multiple Document Interface (MDI), PeerSync now contains a multi-pane interface that allows the user to organize groups of Jobs (Source and Target pairs) by any convention necessary. User-specified tab controls allow quick transition from one group to another. The traditional Job list interface is still available for those who do not need the group panes.
Profile Messages	Open the Profile Message Log file if it exists. The naming convention of the Message Log files is as follows: Profile.snc.log, where Profile represents the name of the current Profile.

4. Options Menu

Options	
Allows you to select options pertaining to the way PeerSync, the Profiler and the Wizard interact with each other and Windows Explorer.	
Use Wizard to Add Jobs	Available only if the Wizard is installed during the PeerSync installation. If selected, directs Profiler to open the Wizard application as an easier and simpler way to add new Jobs to a Profile. If not selected, the Add Job option will use the saved Job defaults. This feature is toggled on or off depending on which option was used the last time that a Job was added (with Defaults or with Wizard).
Create SNC extension association	If selected, creates an association of any file that has an SNC extension with the Profiler to be used as the default application to open these files. If not selected, the association of SNC files with the Profiler will be removed. This feature is also accessible from the Startup Services screen.
Add Quick-Sync Folder option to Explorer menu	If selected, will add our Quick-Sync feature to Windows Explorer. To access this feature, simply right-click on any folder in Explorer, or on your Desktop, and you will be able to sync the folder to selected Target Folder(s), add the Job to a Quick-Sync Profile that is stored out in memory, and administer the ability to modify/add to the Jobs using the Profiler. This feature is also accessible from the Startup Services screen.
Check For Modified Profile	If checked, this option will activate a timer to check if a change occurred to the Profile every 3 seconds and will prompt for a reload.
On Profile Exit	This option allows for the ability to do one of the following when exiting the Profiler while it is connected to an Active Profile: Display Terminate Active Profile Dialog, Leave Active Profile Running, or Terminate Active Profile.
Global Settings	Displays various settings including Recovery/Offline Options, Performance Options, Reporting Options, Display Options,

	ACL Options, Bi-directional Options, Managed Files Options, Open File Options, and Current Command Line Arguments.
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5. Run Menu

<p>Run</p> <p>Allows you to Launch the Current Profile, Terminate the Active Profile and Update the Current Profile.</p> <p>Note: An active Profile must be restarted in order for any configuration changes to take effect.</p>	
<p>Pre-Sync Report</p>	<p>This executes a pre-sync report of the currently selected Jobs. During this process, files and folders will not be modified and persistent arguments set for the current Profile will be ignored. A report will be created and displayed with the work that would be performed if a synchronization was actually run. This feature may be quite helpful during evaluation and when running and testing a newly modified Profile. Pre-Sync Report options are as follows:</p> <p>Run a Pre-Sync Report (do not sync files/folders) Starts PeerSync to analyze the work that would be performed if synchronization was actually run. During this process files and folders will not be modified. The report file, PreSync.Log, will be displayed at the end of the run.</p> <p>Overwrite existing Pre-Sync report files Enabled by default, this setting overwrites the PreSync.Log file when the Pre-Sync process completes.</p> <p>Show Pre-Sync report file at end of run Enabled by default, this setting will open and display the PreSync.Log report file after the Pre-Sync process completes.</p>
<p>Launch Current Profile</p>	<p>This feature will launch the current Profile (Job/Global settings) in PeerSync. During this process, an instance of PeerSync will be started with the current Profile as the first parameter and the arguments selected from the Options/Commands screen as the subsequent parameters. You can automate this process via a shortcut, through the startup folder, in the registry or as a service by selecting one of these features from the Startup Services screen. This feature is also accessible from the Tool Buttons Toolbar.</p>
<p>Terminate Active Profile</p>	<p>This option, when available, will allow a user to terminate an instance of PeerSync that contains an active Profile which is connected to the Profiler. This feature is also accessible from the Tool Buttons Toolbar.</p>
<p>Update Current Profile</p>	<p>This option, when available, will allow a user to update an instance of PeerSync with the current Profile opened in the</p>

	Profiler.
Restart Active Profile	This option, when available, provides intelligent restart functionality that eliminates/improves scanning upon PeerSync service/application restart. This greatly improves performance during a restart (most commonly due to profile changes, but also for any other reason).
Run Post-Sync Validation Report	<p>From the Run Post-Sync Validation Report menu, you can select the sub options to Validate Jobs or Validate Jobs with Checksums. There is also an option to Show Diff Reports at the end for either validation process.</p> <p>Similar to a Pre-Sync report, this will kick off PeerSync to just run a (Post-Sync) Validation Report for all Jobs in the current profile. It will leverage the File System Analyzer as well as Peer Software's own Multi-Path Comparison tool to generate a diff report outside of PeerSync.</p> <p>If the option to Show Diff Reports at end is enabled, the Excel-based differences report will be displayed.</p>
Reprocess Failed Events	This option, when available, will allow for Failed Files to be processed. Failed Files are files that have failed to be replicated/synchronized possibly due to Retries being turned off or exceeded.
Reprocess Failed Scans	This option, when available, will allow for Failed Scans to be processed. Failed Scans will only occur if a scan is interrupted or cannot run and the Retry failed connection every x minutes option is disabled.

Note: Because it is separate from the core software engine, the Profiler allows you to create and configure new Profiles while PeerSync runs Synchronization Operations at optimum efficiency. In both this Help file and on Profiler screens, "Current" refers to the Profile currently being configured but not yet launched, while "Active" most often refers to the Profile presently being run by the PeerSync engine.

6. Job Menu

Job	
Allows you to manipulate Jobs within the current Profile. If "Allow Multiple Selection" has been checked on this menu, you will be able to select and apply settings to Multiple Jobs.	
Add - Job with Standard Defaults	Creates and adds a Standard, non-Migration Job to the current Profile using the saved standard job defaults. This feature is also accessible from the Tool Buttons Toolbar and the Profile Job List Pop-Up Menu.
Add - Job with Migration Defaults	Creates and adds a Migration Job to the current Profile using the saved migration job defaults. This feature is also accessible from the Tool Buttons Toolbar and the Profile Job List Pop-Up Menu. This job type is tuned for migration scenarios and will also update some profile-wide settings to better support migrations.

Add - Job with Wizard	Creates and adds a Job to the current Profile using a Wizard which guides in the creation of a Profile. This feature is also accessible from the Tool Buttons Toolbar and the Profile Job List Pop-Up Menu.
Copy	Creates a duplicate copy of the currently selected Job and all of its settings. This feature is also accessible from the Tool Buttons Toolbar and the Profile Job List Pop-Up Menu.
Rename	Allows for the renaming of the selected Job. This feature is also accessible from the Tool Buttons Toolbar and the Profile Job List Pop-Up Menu.
Delete	Allows for the deletion of the currently selected Job(s). This feature is also accessible from the Tool Buttons Toolbar and the Profile Job List Pop-Up Menu.
Clear All	This will close the current Profile allowing for the user to create a new Profile.
Move Up	Moves the currently selected Job up one in the list. This feature is also accessible from the Tool Buttons Toolbar and the Profile Job List Pop-Up Menu.
Move Down	Moves the currently selected Job down one in the list. This feature is also accessible from the Tool Buttons Toolbar and the Profile Job List Pop-Up Menu.
Select All	This will select all of the Jobs.
Invert Selection	This will change the selected state of all the Jobs.
Allow Multiple Selection	Gives the ability to select and apply settings to Multiple Jobs.
Create Auto Job Name	This feature allows a simple way to generate meaningful Job names. When selecting this item, Job names are automatically generated based on their Source and Target paths which make it a simple task to organize the Job list.
Log File - View	Display the log file for the selected Job.
Log File - Clear	Clear the log file for the selected Job.
Message Log File - View	Display the message log file for the selected Job or profile.
Message Log File - Clear	Clear the message log file for the selected Job or Profile.
Save Defaults	Stores the currently selected Job Settings as the default for all subsequent newly added Jobs.

7. Help Menu

Help

While allowing you to access Help files and the About screen, this menu also provides demonstrations of PeerSync's Real-Time Monitoring and Scheduled Operation modes.																													
Demos	This option allows the user to instantly run either a Real-Time or Scheduled test Profile to demonstrate PeerSync's synchronization capabilities.																												
Web Site	This menu item will have many links back to our web site for product information, downloads, updates and support.																												
PeerSync Help	Will open the application help file to the contents section. You may also access specific parts of the help file for features you are currently observing by pressing 'F1' on your keyboard.																												
Check for Updates...	Checks whether you are using the latest version of PeerSync. This process requires an Internet connection in order to transmit your registration information to our web server for validation. This feature also has the ability to check updates for all PeerSync related products (if they are installed) directly from the Profiler. This includes also the PSListener. A menu option to check for updates will be displayed for all products that have been installed.																												
Include Unchecked Jobs in Support Info File	If enabled, the Create Support Info File on the Desktop... log and configuration gathering process will collect Job information from un-checked Jobs.																												
Create and Upload Support Info to Peer Software Support...	<p>This option will compile all Profile-related files into a zip file. This zip file can be created on the desktop and/or automatically uploaded to Peer Software Support via an Amazon S3 region closest to you. If you do choose to upload to Peer Software Support, you will be required to enter a reason for the upload.</p> <p>The following is a list of files that are included if they exists:</p> <p>PeerSync Files:</p> <table> <tr> <td>[ProfileName].snc</td> <td>- Profile</td> </tr> <tr> <td>PSDEF.CFG</td> <td>- Configuration File</td> </tr> <tr> <td>[ProfileName] tot.xml</td> <td>- Total Support File</td> </tr> <tr> <td>[ProfileName]_np tot.xml</td> <td>- Total Support File (Non Persistent)</td> </tr> <tr> <td>[ProfileName] cur.xml</td> <td>- Current Support File</td> </tr> <tr> <td>[ProfileName]_np cur.xml</td> <td>- Current Support File (Non Persistent)</td> </tr> <tr> <td>[ProfileName].las.xml</td> <td>- Last Support File</td> </tr> <tr> <td>[ProfileName]_np.las.xml</td> <td>- Last Support File (Non Persistent)</td> </tr> <tr> <td>[ProfileName].snc[.bak*].log</td> <td>- Profile Error Log Files</td> </tr> <tr> <td>PSError.Log</td> <td>- Application Error Log File</td> </tr> <tr> <td>[JobName].[bak*].log</td> <td>- Job Level Log Files</td> </tr> <tr> <td>[JobName].flt[.bak*].log</td> <td>- Job Level Error Log Files</td> </tr> <tr> <td>[JobName].del[.bak*].log</td> <td>- Deletion Cleanup Log Files</td> </tr> <tr> <td>[ProfileName].tlr</td> <td>- Time Last Run Log File</td> </tr> </table>	[ProfileName].snc	- Profile	PSDEF.CFG	- Configuration File	[ProfileName] tot.xml	- Total Support File	[ProfileName]_np tot.xml	- Total Support File (Non Persistent)	[ProfileName] cur.xml	- Current Support File	[ProfileName]_np cur.xml	- Current Support File (Non Persistent)	[ProfileName].las.xml	- Last Support File	[ProfileName]_np.las.xml	- Last Support File (Non Persistent)	[ProfileName].snc[.bak*].log	- Profile Error Log Files	PSError.Log	- Application Error Log File	[JobName].[bak*].log	- Job Level Log Files	[JobName].flt[.bak*].log	- Job Level Error Log Files	[JobName].del[.bak*].log	- Deletion Cleanup Log Files	[ProfileName].tlr	- Time Last Run Log File
[ProfileName].snc	- Profile																												
PSDEF.CFG	- Configuration File																												
[ProfileName] tot.xml	- Total Support File																												
[ProfileName]_np tot.xml	- Total Support File (Non Persistent)																												
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[ProfileName]_np cur.xml	- Current Support File (Non Persistent)																												
[ProfileName].las.xml	- Last Support File																												
[ProfileName]_np.las.xml	- Last Support File (Non Persistent)																												
[ProfileName].snc[.bak*].log	- Profile Error Log Files																												
PSError.Log	- Application Error Log File																												
[JobName].[bak*].log	- Job Level Log Files																												
[JobName].flt[.bak*].log	- Job Level Error Log Files																												
[JobName].del[.bak*].log	- Deletion Cleanup Log Files																												
[ProfileName].tlr	- Time Last Run Log File																												

	<code>[%VariableNames%].txt</code>	- Also included are Variable Data Import and Job Data Import files
	<code>ADDCache.cur.txt</code>	- Current cache file of Add events
	<code>ADDCache.las.txt</code>	- Last cache file of Add events
	<code>UPDCache.cur.txt</code>	- Current cache file of Update events
	<code>UPDCache.las.txt</code>	- Last cache file of Update events
	<code>DELCache.cur.txt</code>	- Current cache file of Deleted events
	<code>DELCache.las.txt</code>	- Last cache file of Deleted events
	<code>JSCCache.cur.txt</code>	- Current cache file of Job Scans
	<code>JSCCache.las.txt</code>	- Last cache file of Jobs Scans
	<code>EXCCache.cur.txt</code>	- Current cache file of Excluded items
	<code>EXCCache.las.txt</code>	- Last cache file of Excluded items
	<code>FFLCache.cur.txt</code>	- Current cache file of Failed Events
	<code>FFLCache.las.txt</code>	- Last cache file of Failed Events
	<code>JSHCache.cur.txt</code>	- Current cache file of Historical Data
	<code>JSHCache.las.txt</code>	- Last cache file of Historical Data
	<code>MSGCache.cur.txt</code>	- Current cache file of Messages
	<code>MSGCache.las.txt</code>	- Last cache file of Messages
	<code>CTPCache.cur.txt</code>	- Current cache file of Copy Thread Progress
	<code>CTPCache.las.txt</code>	- Last cache file of Copy Thread Progress
	<code>SNCCache.cur.txt</code>	- Current cache file for the Profile
	<code>SNCCache.las.txt</code>	- Last cache file for the Profile
	<code>MFLCache.cur.txt</code>	- Current cache file of Managed Files List items
	<code>MFLCache.las.txt</code>	- Last cache file of Managed Files List items
	<code>SupportInfo.txt</code>	- Contains the list of files that PeerSync will try to include in the support zip folder
	PeerLock Files:	
	<code>PLDef.CFG</code>	- Configuration File
	<code>PeerLock[.bak*].log</code>	- PeerLock Log Files

	The files will be zipped and stored on the Desktop for easy attachment to emails. A copy of the zipped folder will also be stored in the PeerSync installation folder (i.e. C:\Program Files\PeerSync\InfoFiles\SupportInfo _{date/time} .zip).
Create and Upload System Info to Peer Software Support...	<p>Creates a system info file (SysInfo.nfo). A copy of this file will be kept in the InfoFiles folder located in the PeerSync installation folder (i.e. C:\Program Files\PeerSync\InfoFiles\SystemInfo_200810081953.zip - where 200810081953 represents yyyymmddhhss respectively). Creating the System Information File takes a few minutes. Keeping a copy of the System Information file in the InfoFiles folder eliminates the need to wait for the creation of a new file whenever one is needed and provides an archive of previous system states that can be used for troubleshooting.</p> <p>This System Info file can be created on the desktop and/or automatically uploaded to Peer Software Support via an Amazon S3 region closest to you. If you do choose to upload to Peer Software Support, you will be required to enter a reason for the upload.</p>
Register PeerSync	Will display the PeerSync Registration Screen to activate the PeerSync trial version or upgrade the current license.
License Information	Will display the different Product Editions and Licensing available for PeerSync. Will also display what the current edition has available as well as other useful information about the current package you are running.
About PeerSync	Will display an about screen, which contains information about the current PeerSync you are running.

8. Popup View Menu

View Popup Menu	
Activated by right clicking on the Tool Buttons Toolbar, Profile Description Toolbar, or the Status Bar. Some of these options can be selected from the View Menu .	
Tool Buttons	Show/hide the Tool Buttons Toolbar.
Profile Description	Show/hide the Profile Description Toolbar.
with Hot Tracks	Show/hide the hot tracks features for the Toolbars.
with Text Labels	Show/hide description text labels for the Toolbars.
Status Bar	Show/hide the Status Bar at the bottom of the application.

9. Popup Tray Icon Menu

PeerSync Tray Icon Popup Menu	
Activated by right clicking on the Tray Icon. The Tray Icon is only accessible when PeerSync is running as an application (not as a service) and has the "Show tray icon" option enabled in the Options/Commands window.	
View Log File	Allows you to access, launch and view Log files in the default text editor for the current Profile.
View Message Log File	Allows you to access, launch and view the Message log file for the current Profile.
View Admin Folder	Allows you to access, launch and view Admin log file Folders in Explorer for the current Profile.
Open Source Folder	Allows you to access, launch and view Source Folders in Explorer for the current Profile.
Open Target Folder	Allows you to access, launch and view Target Folders in Explorer for the current Profile.
Show Status Display	This item will show the PeerSync Status Display dialog box during synchronization so the user can see activity, status, and other information while PeerSync is running. This feature is only available if the Display Status in the PeerSync feature was enabled for the current Profile.
Connect/Launch PeerSync Profiler	This item will open the Profiler, if it is not already open, and send status messages to be displayed on the Run/View Current Profile Activity screen. This connection feature will only work if the Display Status in Profiler feature was enabled for the current Profile.
About PeerSync	Will display an about screen, that contains information about the current PeerSync you are running.
Exit PeerSync	Allows you to close/exit the current session of PeerSync.

Note: A pop-up hint message will be displayed when you mouse over the Tray Icon. This will provide key information about the current PeerSync application running including the Profile name and the status of [VSS](#) if it is running.

10. Profile Job List

Located beneath the Toolbars, this window displays all Jobs associated with the current Profile. Use of this list is central to the Profile-building process; all configurations made on the [Job Settings](#) screens (accessed through the [Selection Tree](#)) will only be applied to those Jobs currently selected from this list.

To select a Job, highlight it using the left mouse button. The "Allow Multiple Selection" item must be checked on the [Job Menu](#) in order to select and have settings applied to Multiple Jobs. To select Multiple Adjacent Jobs, highlight the first Job, hold down the SHIFT key on your keyboard, and then highlight the last Job you wish to include. You can also hold down the SHIFT key and then use the up or down arrow keys on your keyboard. To select

Multiple Nonadjacent Jobs, highlight the first Job, then hold down the CTRL key on your keyboard and click on each additional Job you wish to include. Once you have selected a Job or Jobs, move through the screens found on the [Selection Tree](#) and apply settings as desired. Highlighting on the selected Job(s) will appear gray as you move through these screens, indicating that any configured settings will only be applied to those selected Jobs.

The box appearing to the left of each Job must be checked in order for that Job to be included in the active Profile when launched. Although unchecked Jobs will not be processed upon launch, they will be saved within the Profile for future use and/or selection.

Upon creating a new Profile, an initial Job will be displayed bearing the name "New Job Item 1" by default (this applies to manual Job creation only). The first New Job added within an existing Profile will also bear this name. Successive Jobs will be named "New Job Item 2," "New Job Item 3," etc. Any selected Job can be renamed through the "Rename" [Tool Button](#), through items found on both the [Job Menu](#) and Profile Job List [Pop-Up Menu](#) described below, or manually by selecting it a second time using the left mouse button.

In both new and stored Profiles, you can navigate the Profile Job List as well as add, copy, delete, and navigate Jobs using the [Tool Buttons](#); using items from the [Job Menu](#), and by using items found on the Profile Job List [Pop-Up Menu](#) described below. You can also navigate the list and delete items using the DELETE and up and down arrow keys on your keyboard.

Note: In order to navigate or modify the Profile Job List, you must have first clicked somewhere within the Profile Job List window; this ensures that during configuration any options chosen from the [Selection Tree](#) screens are applied exclusively to the currently selected Job.

The height of the Profile Job List window can be changed by passing the mouse pointer over its bottom border until a double/Arrow cursor appears, then dragging the window to meet the desired size. At minimum size, only a single Job may be viewed. Adding a new Job while this view is in effect prompts display of up and down arrow buttons in the right side of the window. These buttons allow you to view different Jobs within the list.

Job List Pop-Up Menu	
Activated by right clicking on the Profile Job List, this menu duplicates the mostly used features found on the Job Menu while providing some additional items listed below.	
Synchronize Selected Jobs	This executes an immediate, non-persistent synchronization of the currently selected Jobs ("non-persistent" refers to a one-time sync process; "persistent" refers to ongoing sync operations such as Real-Time Monitoring or Scheduled Operations). During this process, persistent arguments set for the current Profile will be ignored. When the button is released, a confirmation dialog will be displayed indicating which Jobs have been selected from the active Profile and asking you to confirm synchronization through a "Yes" or "No" button. If "Yes" is selected, the synchronization will proceed. A message will always be displayed upon completion of this operation. Other sync operations allow you to choose whether or not such a message will be displayed.

Run Pre-Sync Report	<p>This executes a pre-sync report of the currently selected Jobs. During this process, files and folders will not be modified and persistent arguments set for the current Profile will be ignored. A report will be created and displayed with the work that would be performed if a synchronization was actually run. This feature may be quite helpful during evaluation and when running and testing a newly modified Profile. Pre-Sync Report options are as follows:</p> <p>Run a Pre-Sync Report (do not sync files/folders) Starts PeerSync to analyze the work that would be performed if synchronization was actually run. During this process files and folders will not be modified. The report file, PreSync.Log, will be displayed at the end of the run.</p> <p>Overwrite existing Pre-Sync report files Enabled by default, this setting overwrites the PreSync.Log file when the Pre-Sync process completes.</p> <p>Show Pre-Sync report file at end of run Enabled by default, this setting will open and display the PreSync.Log report file after the Pre-Sync process completes.</p>
Run Post-Sync Validation Report	<p>From the Run Post-Sync Validation Report menu, you can select the sub options to Validate Jobs or Validate Jobs with Checksums. There is also an option to Show Diff Reports at the end for either validation process.</p> <p>Similar to a Pre-Sync report, this will kick off PeerSync to just run a (Post-Sync) Validation Report for all Jobs in the current profile. It will leverage the File System Analyzer as well as Peer Software's own Multi-Path Comparison tool to generate a diff report outside of PeerSync.</p> <p>If the option to Show Diff Reports at end is enabled, the Excel-based differences report will be displayed.</p>
Connect: Enable Job Control Mode	See description for this option under Tool Buttons .
Disconnect: Enable Configuration Mode	See description for this option under Tool Buttons .
Start Pending Job: Name	See description for this option under Job Control Mode . This option is only available when the Job List Display is in Control Mode .
Start Pending Jobx	See description for this option under Job Control Mode . This option is only available when the Job List Display is in Control Mode .
Log File - View	This menu item allows you to view Log reports by opening the file in a text editor. This feature is also accessible from the Reporting screen.

Log File - Clear	This menu item allows you to clear Log reports. This feature is also accessible from the Reporting screen.
Message Log File - View	This menu item allows you to view Message Log reports by opening the file in a text editor. This feature is also accessible from the View Menu item.
Message Log File - Clear	This menu item allows you to clear Message Log reports. This feature is also accessible from the View Menu item.
Job List View Options	This feature enables/disables the ability to display the "Click Here to Add Another Job" Job every time a new Job has been created.
Use "<Click Here to Add Another Job>" Feature	This menu item will add a new Job to the end of the Job list named "<Click Here to Add Another Job>" every time a new Job is created.
Suppress Add Job Confirm Dialog	This menu item will suppress the Confirmation Dialog that is launched when clicking on the "<Click Her to Add Another Job>" Job.
View Job Groups* (Enhanced Package)	This feature enables/disables the ability to allow the user to organize/categorize Jobs within a Profile into Job Groups. When this feature is enabled, you can create as many Job Groups as desired. Each Job Group is represented by a Tab. Each Tab displays the Job Group Name, the number of Checked Jobs and the number of Total Jobs for the corresponding Job Group, in the following format: GROUP NAME [CHECKED JOBS / TOTAL JOBS]
Select All	This menu item will select/highlight all Jobs within the current Job Group for a quick and easy way of modifying all Jobs within a given Profile. If this feature is not enabled you must turn on the Allow Multiple Selection feature on from the Job Menu .
Last Run On	This is a display of the last run date/time of the selected Job within the current Profile. This is the date/time that will be used when comparing files for the Bi-directional Synchronization Mode option on the File Options screen. This feature is also displayed on the from the Folder Selection screen.
Last Run On - Reset	This allows a means of resetting the last run date/time of the selected Job within the current Profile.

Job Group Pop-Up Menu* ([Enhanced Package](#))

Activated by right clicking on the Profile Job List, this Popup menu allows for the following features:

Add Job Group	This menu item will create and add a new Job Group to the existing Profile.
----------------------	---

Edit or Delete Job Groups	These menu items will display the Modify Job Groups Dialog, allowing for the adding, renaming, moving, re-ordering, modifying and/or the deletion of Job Groups.
Edit Job Groups Dialog	To add a Job Group click "New," then type the desired name into the field located at the bottom of the dialog. Repeat this process for each Job Group you wish to add. Entries can be deleted by selecting them from the list and clicking the "Delete" key at the bottom of the box. You can also use the "Up" and "Down" buttons to reorder the items.
All Tabs - Check All Jobs	This menu item will set all Jobs to the checked state allowing for a quick and easy way of checking all Jobs across all Job Groups.
All Tabs - Uncheck All Jobs	This menu item will set all Jobs to the unchecked state allowing for a quick and easy way of unchecking all Jobs across all Job Groups.

* **Note:** Some features described on this page require the [Enhanced Package](#).

Selection Tree



Screens can be accessed through the Selection Tree that are used to set synchronization criteria for individual Jobs (Job Settings), as well as set global properties relating to execution of the entire Profile and all related Jobs (Global Settings). Once you have selected a Job or Jobs from the [Profile Job List](#), all options configured on Job Settings screens will only be applied to those selections. After synchronization criteria for all individual Jobs have been established, use the Global Settings screens to set global properties relating to all Jobs, as well as choosing how you would like the Profile to be executed. The [Profile Job List](#) will appear gray when any Global Settings screen is displayed, indicating that all properties set on that screen will be applied to the entire Profile.

Selection Tree

The Selection Tree is located at the left side of the Profiler interface. The Selection Tree can also be hidden by unchecking the "Selection Tree" option, accessed through the "Toolbars" item on the [View Menu](#).

Selection Tree Modes

The Selection Tree Modes are located in a drop-down list above the Selection Tree. These modes can be used to show/hide PeerSync configuration windows. The Selection Tree can be set to **Basic**, **Intermediate**, **Advanced** or **Customized**. Some Selection Tree items will not be accessible depending on the package you are currently using. "Basic" is the default Selection Tree Mode.

Selection Tree Pop-Up Menu

Activated by right clicking on the Selection Tree, this menu duplicates the items listed in the Selection Tree, as well as, the items listed in the drop-down list located on the right side of the Back button on the [Tool Buttons](#) Toolbar. When right-clicking on the PeerSync Selection Tree Category, this Menu offers the following options:

Show All Profile Options

This feature will toggle between showing all Profile Options and the Custom Options in the Selection Tree.

Customize

This feature will allow the user to select which Profile Options to display in the Custom Selection Tree, when the "Show All Profile Options" is turned off. When selected the user will be given the dialog box shown below to pick and choose which Profile Options to use.

[-] Selection Tree Categories

[PeerSync](#)

[Startup/Service
Run/View](#)

1. PeerSync

1.1 PeerSync Job Settings

This copy of Profiler may contain up to 255 Jobs for each Profile.

Each Job contains all the settings required for a Source to Target synchronization process.

The current version will allow for synchronization to and from 10 remote machine(s).

Use the options list to navigate through the various pages and set the options for each Job as required.

▣ PeerSync Job Settings Screens

[Folder Selection](#)

[Automation](#)

[Blackout Settings](#)

[Scan Limitations](#)

[File Options](#)

[NFS Settings](#)

[Permissions](#)

[Open Files](#)

[Managed Files](#)

[Performance](#)

[Byte Replicator](#)

[Revisioning](#)

[Miscellaneous](#)

[Additional Features](#)

[Exceptions](#)

[Reporting](#)

[Admin Reporting](#)

[Email Reporting](#)

[Pre/Post Process](#)

[Advanced Options](#)

[PeerSync Global Settings](#)

[Options/Commands](#)

Note: Some settings are ignored when enabled in conjunction with other settings. For example, report summaries are ignored in multiple threaded or enhanced Real-Time mode.

1.1.1 Job List Display

Job Name	Source	Target
State: Active [2/2]		
<input checked="" type="checkbox"/> NetApp Backup	\\nalab1\vol1\Data	\\192.168.171.142\c\$\Data
<input checked="" type="checkbox"/> BIM & CAD Collaboration	E:\BIM & CAD Projects	\\192.168.171.142\e\$\BIM & CAD Pro...
State: Pending [1/1]		
<input checked="" type="checkbox"/> NFS - Real-Time Synchronization	\\nalab1\nfs1\m\src	\\msvs1\vol_unix1\m\trg
State: Stopped [1/1]		
<input checked="" type="checkbox"/> New Site Migration	E:\Data Set	\\192.168.171.142\e\$\Data Set

☐ Topics

- [Configuration Mode](#)
- [Job Control Mode](#)
- [Job List Popup Menu](#)

Note: The **Job List Display** is the area within the Profiler listing all the Jobs and visually categorizing them based on various modes.

The **Job List Display** is the area within the Profiler lists all the Jobs and visually categorizes them based on various modes for improved Job review.

Configuration Mode	
This is the default mode used by the Profiler. Here, each Job is categorized into one of the following states:	
Enabled	All the Jobs which have a checked check box will be listed in this category.
Disabled	All the Jobs which have an un-checked check box will be listed in this category.

The **Job List Display** is the area within the Profiler listing all the Jobs and visually categorizing them based on various modes for improved Job review.

The Profiler supports **Job Control** functionality that allows every Job to be stopped, started, or restarted individually. To enter the **Job Control** mode, right click in the **Job List Display** and select **Connect: Enable Job Control Mode** from the [Profile Job List](#) pop-up menu.

Job Control Mode	
Active	This category lists Jobs which are running successfully without any errors.
Active w/Errors	This category lists Jobs which are running but contain errors typically indicating connectivity issues.

Active w/Warnings	This category lists Jobs which are running but contain errors typically indicating Failing Events.
Inactive	Lists Jobs that were disabled or were newly added and the Profiler does not yet know information about them. As soon as the Profile is saved, newly added Jobs will be added to the Pending state.
Pending	Lists Jobs that were enabled or were newly added to the running Profile but have not yet been started.
Stopped	This category lists Jobs which have been stopped since the Profile has been started.

Job Control Bar	
The Job Control Bar buttons allows every Job to be stopped, started, or restarted individually.	
Start Pending Jobs:x	Start all the Jobs that are in a Pending state where x represents the total number of Jobs that are in a Pending state.
Start Job	Start the selected Job that is in a Sopped state.
Stop/Restart Job	Stop or restart the selected Jobs that are in an Active state.
Save Profile and Refresh	When Job changes are made to the running Profile, a Save Profile and Refresh option can be seen at the bottom right corner of the Job List Display . Saving will refresh the Job List Display to reflect any changes. The Job Control Bar buttons become disabled and grayed out to indicate that Profile changes were made which require saving.

Note: An active Profile must be restarted in order for any configuration changes to take effect.

Configuration Mode Columns	
The following columns can be viewed in the Job List Display when in Configuration or Control Mode :	
Source	Displays the source paths of the listed Jobs.
Target	Displays the target paths of the listed Jobs.
Group	Lists the name of the group each Job belongs to.
State	Identifies the State each Job belongs to.
Modified	Displays the time and date the last time a Job was modified.

1.1.2 Folder Selection

☰ Topics

- [Folder Selection Overview](#)
- [Source Folder Selection](#)
- [Target Folder Selection](#)
- [Include Sub-folders](#)
- [Swap Source and Target Folders](#)
- [Last Save](#)
- [Last Scan](#)
- [Other Features](#)

Note: Features listed on this page may require the [TCP WAN Connector](#), NetApp, or NFS options.

Each Job within a Profile is initially defined by using the [Folder Selection](#) screen to select a Source and Target Folder. The contents of a Source Folder will be synchronized to a Target Folder according to criteria further defined on other Settings screens. Once you have highlighted a Job or Jobs from the [Profile Job List](#), this screen offers several different methods to locate and select folders for synchronization. File paths can be typed manually, or you can browse local and network drives to locate and select your desired folders.

Source Folder Selection

The options listed on this page can be accessed from the [Folder Selection](#) window. The following options are available for selecting a Source folder.

Using Normal Mode

Select a "Normal" Source folder if you can navigate to the desired Source directory via a Local Path, a UNC Path, or a Mapped Drive. This selection requires that the machine on which PeerSync is running has full access to the desired Source directory. In some instances [Network Logon](#) may be required.

Select a Source Folder by typing the file path into the field provided or by using the [Select Source Folder Button](#). By

	<p>default, the Source Folder field will contain the path in which PeerSync has been installed: in most cases this will be C:\Program Files\PeerSync\Source. The convention outlined in this path must be used when manually typing entries, (i.e. a drive must be specified followed by a colon, with subsequent folders separated by backslashes). This field is not case sensitive, though spaces may only be entered where they are part of valid folder names (i.e. "Program Files"). No space should appear between slashes and folder names. This field also supports File/Folder Path Variables.</p> <p>UNC names can be entered manually, or can be selected from the Network Neighborhood using the "Browse for Folder" dialog box (see Select Source Folder Button). UNC names will appear in the form \COMPUTER\SHAREDDEVICE\PATH. For example: \SERVER11\USERDATA.</p> <p>Starting with the release of v9.0, we now support the ability to connect to a remote NetApp filer and register for real-time event notification. Please visit https://www.peersoftware.com or contact Sales for license information.</p> <p>Note: We do not recommend using UNC paths for folders that reside on the local machine, in this scenario you should use the local path to that folder.</p> <p>Folders can also be dragged and dropped from MS Windows Explorer into the Source Folder Field for automatic insertion.</p> <p>The Source Folder Field holds a folder selection History of up to 10 entries. They can be selected by clicking on the drop down button located to the right of the field.</p> <p>The current path will be displayed below the Source Folder Selection Field. An invalid path will display a red INVALID SELECTION label instead. If there are no efforts made to correct the invalid path and you exit the Source Folder Selection field, the application will throw a message and use the default PeerSync installation path C:\Program Files\PeerSync\Source instead.</p> <p>The Host Name and User Name & Password values (if provided) are displayed above the Source Folder Selection field (see Network Logon).</p>
<p>Using TCP Mode</p>	<p>Select a "TCP" Source folder if the Source directory is outside the scope of the machine on which PeerSync is running. TCP enables access to machines not located on the same network as PeerSync. As a prerequisite, the PSListener needs to be installed and running on the remote Source machine in order for PeerSync to be able to communicate with it. This feature supports encryption and compression.</p>

	<p>Note: We strongly recommend the use of a VPN when transferring files over the public Internet for security purposes. Otherwise, you should use our Encryption feature with a user name and password to protect data and all communication as it is being transferred.</p> <p>When selecting the TCP Mode for the first time the Source TCP/Port Configuration window will open automatically for Source Folder configuration. Otherwise, the previously entered TCP folder path will be displayed. This path can be manually edited by typing directly into the field provided or by using the Configuration button. The convention outlined in this path must be used when manually typing entries, (i.e. the key word TCP must be specified followed by a colon, two backslashes, the Source IP address or machine name, and subsequent folders separated by backslashes). This field is not case sensitive, though spaces may only be entered where they are part of valid folder names (i.e. "Program Files"). No space should appear between slashes and folder names. This field also supports File/Folder Path Variables.</p> <p>The Source Folder Field holds a folder selection History of more than 10 entries. They can be accessed by clicking on the drop down button located to the right of the field.</p> <p>The current path will be displayed below the Source Folder Selection Field. An invalid path will display a red INVALID SELECTION label instead. If there are no efforts made to correct the invalid path and you exit the Source Folder Selection field, the application will throw a message and use the last valid TCP path specified or the default path TCP:\127.0.0.1\C\Source. 127.0.0.1 represents the loopback IP address of the local host (i.e. the machine on which PeerSync is running).</p> <p>The provided Host Name and User Name & Password values are displayed above the Source Folder Selection field.</p>
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Related Options

- [Source TCP/Port Configuration](#)
- [Source Folder Configuration Button](#)
- [Select Source Folder Button](#)
- [Explore/Open/Create Button](#)
- [Source Folder Popup Menu](#)

Notes:

1. The TCP features listed on this page require the [TCP WAN Connector](#) option. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. You cannot monitor a TCP source in [Real-Time](#).

3. NetApp CIFS real-time support requires the NetApp option. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
4. NFS real-time support requires an NFS and NetApp enabled license. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
5. [Bi-directional synchronization mode](#), as well as other non applicable features are ignored when using a TCP Source.
6. Selecting a TCP Source and a TCP Target for the same Job is not supported.
7. Generally performance will be optimal when PeerSync is installed on one of the machines involved in the synchronization process (Source or Target).

We strongly recommend the use of a VPN when transferring files over the public Internet for security purposes. Otherwise you should use our Encryption feature with a user name and password to protect the data and all communication as it is being transferred.

Source TCP/Port Configuration

The Source Folder Configure Button is activated by clicking on the **Configure** button located in right lower corner of the Source Folder panel/section. Selecting the Configure button opens the Source TCP/Port Configuration window. Alternatively, you may right-click on the Source Folder field and select Configure: Source Folder (See [Source Folder Popup Menu](#)).

TCP Configuration Tab

General Settings	
Host Name	Enter the IP address or machine name of the Source Folder into this field. You may use the machine name only if the remote Source Machine resides on the same network as that on which PeerSync is running.
Path on Host	<p>Provide the full path (i.e. C:\Documents and Settings\Source) to the Source folder in this field. The path entered needs to be a local path without a machine name or UNC format. This field does not validate the existence of the path you provide therefore you must exercise great care when doing so. If the path does not exist, PeerSync will create it during run time as long as a valid host name or IP address has been provided and it can find the drive letter specified.</p> <p>A UNC path can be entered for the Path on Host selection for a TCP source or TCP target. This gives the ability to configure non-windows to non-windows Jobs over TCP (i.e. NetApp to NetApp over TCP). Note: This will make use of a new NETWORK constant in the source or target selection.</p> <p>Example:</p> <pre>TCP : \\WindowsServer\NETWORK\NetAppSVM\vol1\Data</pre>

	<p>Care must be exercised if your PSListener contains a "Root Path". If you specify such a path in your PSListener it will behave like an FTP server that sets Root Paths to limit user access to the local file system. If a "Root Path" exists on the PSListener it will limit PeerSync's ability to access directories on the remote device. PeerSync will only be able to access directories equal to or below the specified "Root Path" level provided that it meets the Port and Encryption requirements. In no circumstances can PeerSync access directories located above this path. If the remote path you enter in the Path to Host field references a directory above the "Root Path", PeerSync will create that folder structure at runtime below the "Root Path".</p> <p>Example:</p> <pre> PSListener "Root Path" = C:\Backup\Users\Admin PeerSync's "Path to Host" = C:\Backup\My Documents Actual Remote Source Path = \Backup\Users\Admin\C\Backup\My Documents </pre> <p>Note: The "Root Path" will be ignored when performing byte-level replication using Normal Mode (i.e. Local or UNC paths).</p>
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Port Configuration Tab

Port Configuration	
Time Out	Sets the amount of time a connection will wait to complete a data transfer before exiting and performing the failure operation.
Port	<p>This is the TCP Port used to communicate with the Listener on the remote machine. This must match the port number that the PSListener is configured for. By default both Listener and PeerSync use port 7333.</p> <p>Note: The Profiler will not support Well Known Port numbers 0 - 1023. You must use port numbers that are greater than or equal to 1024.</p>
Compression	Uses a lossless compression algorithm to transmit data in fewer bits. By default Compression is disabled to achieve faster performance.

User Information (To be used for encryption)

This is an optional setting that allows you to specify a **User Name** and **Password** to be used for encryption as well as authentication purposes when connecting to the remote PSListener. In order to activate encryption or authentication, you must specify both a **User Name** and a **Password** value. Strong DES encryption will be used to encrypt the data and communication as it is being transmitted over the Internet, LAN, WAN, or VPN.

User Name	<p>The User Name can be arbitrarily chosen and is not tied to Active Directory. However, once specified, you must enter the same User Name entry in the PSListener Configuration residing on the remote location.</p> <p>If you specify a User Name <u>without</u> a Password, the User Name entry will be ignored and no encryption or authentication with the PSListener will occur.</p>
Password	<p>The Password can be arbitrarily chosen. Once specified, you must enter the same Password in the PSListener Configuration residing on the remote location.</p>

Notes:

1. The TCP features listed on this page require the [TCP WAN Connector](#) option. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. You cannot monitor a TCP source in [Real-Time](#).
3. [Bi-directional synchronization mode](#) as well as other non applicable features are ignored when using a TCP Source.
4. Selecting a TCP Source and a TCP Target for the same Job is not supported.
5. Generally performance will be optimal when PeerSync is installed on one of the machines involved in the synchronization process (Source or Target).

Source Folder Configuration: Using Normal Mode

The Source folder configure button is activated by clicking on the **Configure** button located in right lower corner of the Source Folder panel/section. Selecting the Configure button opens the **Source Folder Configuration** window. Alternatively, you may right-click on the **Source Folder** field and select **Configure: Source Folder** (See [Source Folder Popup Menu](#)).

 Related Options

- [Detection Method - Global](#)
- [Connection Manager - Global](#)
- [Network Logon Settings](#)
- [NetApp Settings](#)
- [NetApp ONTAP | Clustered Data ONTAP Settings](#)
- [Dell EMC Isilon Settings](#)
- [Dell EMC Unity Settings](#)
- [Dell EMC Celerra | VNX | VNX2 Settings](#)
- [Nutanix Files Settings](#)
- [CIFS/NFS](#)
- [FPolicy Utilities](#)

Detection Method for Real-time Monitoring

Choose the desired detection method for the Source folder. You may choose from the following options:

Windows	<p>Select this option to specify a local path resides on the server where PeerSync is installed. Close the Source Folder Configuration dialog once you have selected your desired source folder detection mode and enter the path to the source folder in the Folder Selection screen (i.e. D: \Path\Folder).</p> <p>Note: PeerSync must reside on the source system in order to enable Normal real-time detection.</p>
NetApp ONTAP Clustered Data ONTAP	<p>Select this option to specify the path to a NetApp cDOT SVM for either real-time or scanning scenarios. Close the Source Folder Configuration dialog once you have selected your desired source folder detection mode and enter the path to the source folder in the Folder Selection screen (i.e. \\SVM1\Share\Folder).</p> <p>Note: This option can only be activated if the license supports NetApp detection. Please visit https://www.peersoftware.com or contact Sales for additional information.</p>
NetApp Data ONTAP 7-Mode	<p>Select this option to specify the path to a NetApp 7-Mode filer or vfiler for either real-time or scanning scenarios. Close the Source Folder Configuration dialog once you have selected your desired source folder detection mode and enter the path to the source folder in the Folder Selection screen (i.e. \\NetAppFiler\Share\Folder).</p> <p>Note: This option can only be activated if the license supports NetApp detection. Please visit https://www.peersoftware.com or contact Sales for additional information.</p>
Dell EMC Isilon	<p>Select this option to specify the path to a Dell EMC Isilon cluster for either real-time or scanning scenarios. Close the Source Folder Configuration dialog once you have selected your desired source folder detection mode and enter the path to the source folder in the Folder Selection screen (i.e. \\SILON1\Share\Folder).</p> <p>Note: This option can only be activated if the license supports Dell EMC Isilon detection. Please visit https://www.peersoftware.com or contact Sales for additional information.</p>
Dell EMC Unity	<p>Select this option to specify the path to a Dell EMC Unity storage device for either real-time or scanning scenarios. Close the Source Folder Configuration dialog once you have selected your desired source folder detection mode and enter the path to the source folder in the Folder Selection screen (i.e. \\UNITY1\Share\Folder).</p> <p>Note: This option can only be activated if the license supports Dell EMC Unity detection. Please visit https://www.peersoftware.com or contact Sales for additional information.</p>
Dell EMC Celerra VNX VNX2	<p>Select this option to specify the path to a Dell EMC Celerra/VNX/VNX2 data mover for either real-time or scanning scenarios. Close the Source Folder Configuration dialog once you have selected your desired source folder detection mode and enter the path to the source folder in the Folder Selection screen (i.e. \\CEEVNX1\Share\Folder).</p> <p>Note: This option can only be activated if the license supports Dell EMC Celerra/VNX/VNX2 detection. Please visit https://www.peersoftware.com or contact Sales for additional information.</p>
Nutanix Files	<p>Select this option to specify the path to a Nutanix Files cluster for either real-time or scanning scenarios. Close the Source Folder Configuration dialog once you have selected your desired source folder detection mode</p>

	<p>and enter the path to the source folder in the Folder Selection screen (i.e. \\NTNXFiles1\Share\Folder).</p> <p>Note: This option can only be activated if the license supports Nutanix Files detection. Please visit https://www.peersoftware.com or contact Sales for additional information.</p>
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NetApp FPolicy Screening Options	
Enable CIFS Screening	CIFS Screening is enabled by default when clicking the "Set CIFS Defaults" button in the CIFS/NFS tab.
Enable NFSv3 Screening	NFSv3 is the only NetApp FPolicy Screening option supported when working with NFS. This must be set when utilizing NFS detection and is automatically selected when the "Set NFS Defaults" button is clicked in the CIFS/NFS tab.
Enable NFSv4 Screening	NFSv4 screening is presently not supported.

Event Filtering Options	
Exclude Users	Provide a list of semi-colon (;) delimited users to exclude when using non- Default detection mode in real-time. Real-time events from the users in this field will be excluded. Enter the desired user names in a semi colon delimited format (i.e. user1;user2;user3).
Exclude Extensions	Provide a list of semi-colon (;) delimited file extensions to exclude when using non- Default detection mode during scans or in real-time. To exclude extensions via the command line use /Q70:s , where s represents the comma (,) delimited list of extensions to exclude (i.e. /Q70:tmp;dlw;dlw2). Use %AUTO% for PeerSync to build a list of file extensions dynamically. To use the %AUTO% option via the command line use /Q70 . This is the equivalent of using the /QR argument for FPolicy only.
Exclude IP Address (also shown as PeerSync Server)	<p>Provide a list of semi-colon (;) delimited IP addresses to exclude when using a non-Default detection mode during scans or in real-time.</p> <p>Note: For bi-directional configurations that do not filter events by other means you should add all IP addresses for the PeerSync systems involved to this list that you do not want to detect events from to prevent oscillation.</p>

Allow for remote real-time configuration	This option indicates whether or not the selected source folder detection method supports real-time detection for remote paths. Presently, this feature is only supported for NetApp, Dell EMC, and Nutanix platforms .
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Notes:

1. NFS real-time support requires an NFS and NetApp enabled license. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. Generally performance will be optimal when PeerSync is installed on one of the machines involved in the synchronization process (Source or Target).

The **Connection Manager** tracks and determines if connections are lost to source and/or target folders. With this new capability PeerSync can proactively detect when a connection is lost or reconnected, giving the ability to restart real-time and/or scan Jobs if needed.

Automatically use recommended settings based on Detection Method	Check this option if you wish to let the Connection Manger track the connection status on both the source and target locations. When a lost connection is restored, PeerSync will restart real-time and/or scan Jobs if the option to "Scan Job once at start" is enabled. In addition, this logic will apply to only connections which are set for real-time monitoring.
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Connection Manager for Failed Connections	
Choose one of the following options to manually disable or enable the Connection Manger which tracks the connection status on the desired locations.	
Disabled	Disable the Connection Manger
Enabled for Source Connections Only	Enable the Connection Manger to track the connection status only on the source location.
Enabled for Target Connections Only	Enable the Connection Manger to track the connection status only on the target location.
Enabled for Source and Target Connections	Enable the Connection Manger to track the connection status on both the source and target locations.

Connection Manager Options	
Only include connections that are set for real-time monitoring	Set the Connection Manger to monitor only connections that are set for real-time detection.
Scan real-time Jobs on reconnect if "Scan Job once at start" is enabled	Set the Connection Manger to scan real-time Jobs on reconnect if the Scan Job once at start option is enabled.

This screen is available when using the **Windows** [detection method](#).

Network Logon Settings

Provides the ability to connect to a source folder that may require a different account than the one PeerSync is running under.

Connect As	Provide the user name to allow PeerSync connection to the source directory that is not accessible using the current service or logged on account. Be sure to include the domain name if applicable (i.e. MyDomain\UserName).
Password	Enter the password information for login.

System Information for Source Host

Get Info	Click this button to display a short description about the source file server that PeerSync is connecting to.
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Edit or maintain default NetApp settings when selecting **NetApp Data ONTAP 7-Mode** or **NetApp ONTAP | Clustered Data ONTAP** as the [detection method](#). These options are only applicable when using the **NetApp Data ONTAP 7-Mode** or **NetApp ONTAP | Clustered Data ONTAP** [detection method](#).

Automatically detect and use recommended NetApp configuration	When using the NetApp Data ONTAP 7-Mode or NetApp ONTAP Clustered Data ONTAP detection method, checking this option will automatically populate the required NetApp settings with the defaults. Uncheck this option if you wish to manually edit these settings.
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NetApp Settings

Host Server Name	Edit the host name or IP address of the NetApp filer, vfiler, or SVM.
Root Path Prefix	Edit the local path of the NetApp share you wish to monitor.
FPolicy Name	Edit the FPolicy name that is used to register for event notification on the filer. By default PeerSync uses PEERSYNC_COMPUTERNAME, where COMPUTERNAME is the name of the host where PeerSync is running. PeerSync will create the FPolicy name at the start of the Job.

FPolicy Options - Global

Use cDOT Detection	Check this option when using NetApp ONTAP Clustered Data ONTAP detection method.
Use Asynchronous Mode	If enabled, PeerSync will not wait for a response from the FPolicy server, which enhances overall performance. To

	enable Asynchronous Mode via the command line argument use /Q74Y . This option is enabled by default for both NetApp detection methods (7-Mode and cDOT) and cannot be disabled when using cDOT detection mode.
Disable FPolicy on Close	By default PeerSync will disable the FPolicy name it used to register for event notification when the Job is stopped. Disable this option if you do not want PeerSync to delete the FPolicy name when the Job is stopped.

NetApp FPolicy Additional Settings - By Host	
Exclude Volumes	Provides the ability to exclude entire volumes from scans and real-time detection, which enhances overall performance. Enter a list of semi-colon (;) delimited volumes to exclude when using NetApp FPolicy detection during scans or in real-time. Here is an example of excluding volumes vol3 and vol4: vol3;vol4. To exclude volumes via the command line use /Q7-s , where s represents the semi-colon (;) delimited list of volumes to exclude (i.e. /Q7-vol3;vol4).
Include Volumes	Provide a list of semi-colon (;) delimited volumes to include when using NetApp FPolicy detection during scans or in real-time. This field is visible only if the "Exclude Volumes" check box is un-checked. Here is an example of including volumes vol1 and vol2: vol1;vol2. To include volumes via the command line use /Q7+s , where s represents the semi-colon (;) delimited list of volumes to include (i.e. /Q7+vol1;vol2).

System Information for Source Host	
Validate	Click this button to display a short description about the source storage device that PeerSync is connecting to. This also checks if the credentials provided gain access to the source storage device.

These options are only applicable when using the **NetApp ONTAP | Clustered Data ONTAP** [detection method](#).

NetApp ONTAP Clustered Data ONTAP - By Host	
PeerSync Server IP	This is an optional list of semi colon (;) delimited IP addresses of the system(s) where the FPolicy server is running (i.e. the system where PeerSync is running). Events generated on the SVM from this IP will be automatically filtered unless the "Disable IP Filtering" option is used. Therefore it is important to note that in order for real-time detection to work, all changes must be made from different systems and not the

	system where PeerSync is running. The Profiler will prepopulate the list of options with all available IP addresses on the server.
Username	Provide the user name for the account that will be used to run the API calls against the SVM.
Password	Provide the password for the account that will be used to run the API calls against the SVM.

NetApp FPolicy cDOT Additional Settings	
Management IP	Optionally, specify the IP address for the system where the Management node is on a separate IP from the IP used to access the shares.
Include Shares	Provide a list of alternate shares to register for. Alternate shares are automatically discovered and registered by default. This can be disabled by unchecking the Disable Alternate Share Lookup option. For example, use this in cases where the alternate share points to the root level and should not be included.

cDOT Options - Global	
Asynchronous Mode	Enabled by default, PeerSync will not wait for a response from the FPolicy server, which enhances overall performance. Currently, this setting must always be enabled.
Disable Alternate Share Lookup	Alternate shares are automatically discovered and registered for by default. This can be disabled by unchecking the Disable Alternate Share Lookup option. For example, use this in cases where the alternate share points to the root level and should not be included.

System Information for Source Host	
Validate	Click this button to display a short description about the source storage device that PeerSync is connecting to. This also checks if the credentials provided gain access to the source storage device.

This screen is available when using the **Dell EMC Isilon** [detection method](#).

Automatically use recommended settings based on Detection Method	Automatically use recommended settings based on the detection method selected.
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Cluster Options	
Cluster IP	The management IP address of the Isilon cluster.
Cluster Username	Username used to sign into the Isilon cluster.
Cluster Password	Password used to sign into the Isilon cluster.
Cluster Port	The cluster port number of the Isilon system. Default value is 8080.
Validate Cluster	If enabled, the Isilon cluster will be validated both on registration and periodically by a maintenance thread.
Include Alternate Shares	Include Alternate Shares in detection of the Isilon cluster.
Update Isilon CEE Log Time	Update Isilon CEE Log Time upon registration.

Isilon Advanced Settings	
Cluster Access Zone	The name of the Access Zone that PeerSync is to monitor.
Get Access Zone Info	Attempts to get a list of possible access zones from the Isilon cluster using the credentials specified above.
Audit Cluster Name	The name of the cluster as specified in the Audit Settings in the OneFS web UI.

System Information for Source Host	
Validate	Click this button to display a short description about the source storage device that PeerSync is connecting to. This also checks if the credentials provided gain access to the source storage device.

This screen is available when using the **Dell EMC Unity** [detection method](#).

Automatically use recommended settings based on Detection Method	Automatically use recommended settings based on the detection method selected.
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Control Station Options	
Unisphere IP	The Unisphere IP address of the Unity system.
Unisphere Username	Username used to sign into Unisphere.

Unisphere Password	Password used to sign into Unisphere.
Unisphere Port	The Unisphere Port number of the Unity system. Default value is 443.
CEPP Pool Name	The CEPP Pool Name to be used by the Unity system.
Validate Unisphere	If enabled, the Unisphere configuration will be validated both on registration and periodically by a maintenance thread.
Include Alternate Shares	Include Alternate Shares in detection of the Unity system.

System Information for Source Host	
Validate	Click this button to display a short description about the source storage device that PeerSync is connecting to. This also checks if the credentials provided gain access to the source storage device.

This screen is available when using the **Dell EMC Celerra | VNX | VNX2** [detection method](#).

Automatically use recommended settings based on Detection Method	Automatically use recommended settings based on the detection method selected.
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Control Station Options	
Control Station IP	The Control Station IP address of the VNX system.
Control Station Username	Username used to sign into the VNX Control Station.
Control Station Password	Password used to sign into the VNX Control Station.
Control Station Port	The Control Station Port number of the VNX system. Default value is 443.
CEPP Pool Name	The CEPP Pool Name to be used by the VNX system.
Validate Control Station	If enabled, the VNX Control Station will be validated both on registration and periodically by a maintenance thread.
Include Alternate Shares	Include Alternate Shares in detection of the VNX system.

System Information for Source Host

Validate	Click this button to display a short description about the source storage device that PeerSync is connecting to. This also checks if the credentials provided gain access to the source storage device.
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These options are only applicable when using the **Nutanix Files** [detection method](#).

Nutanix Files Options	
PeerSync Server IP	This is a list of semi colon (;) delimited IP addresses of the system(s) where the PeerSync is running. Events generated on the Nutanix Files cluster from this IP will be automatically filtered unless the "Disable IP Filtering" option is used. Therefore it is important to note that in order for real-time detection to work, all changes must be made from different systems and not the system where PeerSync is running. The Profiler will prepopulate the list of options with all available IP addresses on the server.
Username	Provide the user name for the account that will be used to run the API calls against the Nutanix Files cluster.
Password	Provide the password for the account that will be used to run the API calls against the Nutanix Files cluster.

System Information for Source Host	
Validate	Click this button to display a short description about the source storage device that PeerSync is connecting to. This also checks if the credentials provided gain access to the source storage device.

Job Scan Method - Global	
CIFS - Default	This scan method should be selected when working with any local Windows or remote SMB source and is selected automatically when clicking on the " Set CIFS Defaults " button at the bottom.
NFS - Unix/Linux rsync command	This scan method utilizes the Unix/Linux rsync algorithm to scan folders and files. It should be selected when using NFS detection and is selected automatically when clicking on the " Set NFS Defaults " button at the bottom.

Copy File Method - Global	
CIFS - Default	This copy method should be selected when working with any local Windows or remote SMB source. This option is

	selected automatically when clicking on the "Set CIFS Defaults" button at the bottom.
NFS - Unix/Linux rsync command	This copy method utilizes the Unix/Linux rsync algorithm to sync and transfer files. It should be selected when using NFS detection and is selected automatically when clicking on the "Set NFS Defaults" button at the bottom.
NFS - Unix/Linux cp command	This copy method utilizes the Unix/Linux cp command to sync and transfer files. It provides an alternative sync/transfer method to rsync for NFS detection.
CIFS - CopyFile API - /GFC Argument	This copy method uses a basic file transfer API call (CopyFile) that provides no progress and therefore may be faster.
CIFS - CopyFileEx API - /GFE Argument	This copy method uses an advanced copy method via the CopyFileEx API call that provides feedback.
CIFS - File Stream Method - /GFS Argument	This copy method uses an alternate file stream method to transfer the files.

Admin Backup	Enable this option to transfer files that the account running PeerSync does not currently have permission to but the account can add itself to (/Q7S Command Line Argument).
Advanced Backup	Enable this option for files such Symantec Enterprise Vault stub files (/Q7S>> Command Line Argument).
Advanced Backup with Permissions	Enable this option for files such as Symantec Enterprise Vault stub files and/or to transfer files with all permissions during the file copy (/Q7S>>> Command Line Argument).

Permissions (Security style) - Global	
CIFS - Default (NTFS)	This security style should be selected when using Normal or NetApp 7Mode or cDOT detection. This option is selected automatically when clicking on the "Set CIFS Defaults" button at the bottom.
NFS - Unix/Linux down and chmod commands (UNIX)	This security style should be selected when using NFS detection. This option is selected automatically when clicking on the "Set NFS Defaults" button at the bottom.

Enable NFS Extended Reporting and Display	Check this option to enable extended reporting and display information for permissions when working with NFS detection.
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Set CIFS Defaults	Click this button to automatically set the global scan, copy, and permission settings to use the CIFS/SMB protocol.
Set NFS Defaults	Click this button to automatically set the global scan, copy, and permission settings to use NFS.

These options are only applicable when using the **NetApp ONTAP | Clustered Data ONTAP** or **NetApp Data ONTAP 7-Mode** [detection method](#).

FPolicy Utility Features	
Disable cDOT FPolicy	<p>Available when using NetApp ONTAP Clustered Data ONTAP detection mode. Click this button to disable any policies that match the naming convention defined in the Profile. The default policy naming convention is PEERSYNC_FPOLICY-SERVER-NAME).</p> <p>All Policies Check this option to disable all cDOT policies that are in an "idle" state and were created from the FPolicy system where PeerSync is running.</p> <p>Regardless of state Check this option to disable cDOT policies created regardless of their state.</p>
Delete 7-Mode FPolicy	Available when using NetApp Data ONTAP 7-Mode detection. Click this button to delete all FPolices that are in an "idle" state and were created from the FPolicy system where PeerSync is running.

Located to the right of the Source Folder Selection Field, this button opens a "Browse for Folder" dialog box. Once this box has opened, locate your chosen Source folder, select it using the left mouse button, and click "OK."

Note: This button is not available when selecting TCP Source or Target.

Explore/Open/Create Source Button	
This button provides three options to be selected from the attached drop-down list. The button label will change to reflect whichever item has been checked on this list.	
Explore	When "Explore" has been selected and the button is depressed, an Explorer-type window will open displaying all available directories. By default, this window will show the folder whose path is currently designated in the Source Field. If the folder shown in this field does not exist, Profiler will display a dialog alerting you to this fact and asking if you would like to create it. You may do so by clicking the "Yes" button located at the bottom of this dialog. Once you have

	done so the newly created folder will be shown in the Explorer-type window.
Open	When "Open" has been selected and the button is depressed, a traditional MS navigation window is opened displaying the contents of whichever folder is currently shown in the Source Folder Field. If this folder does not exist, Profiler will display a dialog alerting you to this fact and asking if you would like to create it. You may do so by clicking the "Yes" button located at the bottom of this dialog. Once you have done so the newly created Folder will be shown in the navigation window.
Create	When "Create" has been selected and the button is depressed, a "Select Directory" dialog will open allowing you to specify a Source Folder path by using the mouse to select a desired drive, directory, and folder. Folder paths can also be manually entered into the "Directory Name" field. If you enter a path for a folder that does not exist and hit the ENTER key or click "OK," a dialog box will appear allowing you to create this folder.

Note: This button is not available when selecting TCP for Source or Target.

Source Folder Popup Menu: Using Normal Mode	
The Source Folder PopUp Menu is activated by right clicking on the Source Folder field. The first four features allow the user to Browse for Source Folder, Explore, Open and/or Create the Source Folder selection.	
Configure: Source Folder	Selecting this option displays the Source Network Logon Settings window. This allows the user to specify Network Logon credentials for the Source Folder which enables connection to directories that are not accessible with the current logged on account.
Edit: Source Variable File	This will allow the user to view/edit Variable Data Import and/or Job Data Import files that are used in the Source Folder selection. This option is only available if using Job data import files.
Create Auto Job Name	This feature allows a simple way to generate meaningful Job names. When selecting this item, Job names are automatically generated based on their Source and Target paths which make it a simple task to organize the Job list.

Source Folder Popup Menu: Using TCP Mode	
The Source Folder PopUp Menu is activated by right clicking on the Source Folder field. The first two features allow the user to Explore and Open the Source Folder selection.	
Configure: Source Folder	Selecting this option displays the Source TCP/Port Configuration window. This window provides a guided method

	for entering the Source TCP path as well as TCP and/or Byte Replicator settings (see TCP Configuration).
Create Auto Job Name	This feature allows a simple way to generate meaningful Job names. When selecting this item, Job names are automatically generated based on their Source and Target paths which make it a simple task to organize the Job list.

Notes:

1. The TCP features listed above require the [TCP WAN Connector](#) option. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. The Browse for Source Folder and Create options are not available when using TCP Source Mode.

Target Folder Selection	
The options listed on this page can be accessed from the Folder Selection window. The following options are available for selecting a Target folder.	
Using Normal Mode	<p>Select a "Normal" Target folder if you can navigate to the desired Target directory via a Local Path, a UNC Path, or a Mapped Drive. This selection requires that the machine on which PeerSync is running has full access to the desired Target directory. In some instances Network Logon may be required.</p> <p>Select a Target Folder by typing the file path into the field provided or by using the Select Target Folder Button. By default, the Target Folder field will contain the path in which PeerSync has been installed: in most cases this will be C:\Program Files\PeerSync\Target. The convention outlined in this path must be used when manually typing entries, (i.e. a drive must be specified followed by a colon, with subsequent folders separated by backslashes). This field is not case sensitive, though spaces may only be entered where they are part of valid folder names (i.e. "Program Files"). No space should appear between slashes and folder names. This field also supports File/Folder Path Variables.</p> <p>UNC names can be entered manually, or can be selected from the Network Neighborhood using the "Browse for Folder" dialog box (see Select Target Folder Button). UNC names will appear in the form \\COMPUTER\SHAREDDEVICE\PATH. For example: \\SERVER11\D\USERDATA</p> <p>Note: We do not recommend using UNC paths for folders that reside on the local machine, in this scenario you should use the local path to that folder.</p> <p>Folders can also be dragged and dropped from MS Windows Explorer into the Target Folder Field for automatic insertion.</p>

	<p>The Target Folder Field holds a folder selection History of more then 10 entries. They can be selected by clicking on the drop down button located to the right of the field.</p> <p>The current path will be displayed bellow the Target Folder Selection Filed. An invalid path will display a red INVALID SELECTION label instead. If there are no efforts made to correct the invalid path and you exit the Target Folder Selection field, the application will throw a message and use the default PeerSync installation path C:\Program Files\PeerSync\Target instead.</p> <p>The Host Name and User Name & Password values (if provided) are displayed above the Target Folder Selection field (see Network Logon).</p>
<p>Using TCP Mode</p>	<p>Select a "TCP" Target folder if the Target directory is outside the scope of the machine on which PeerSync is running. TCP enables access to machines not located on the same network as PeerSync. As a prerequisite, the PSListener needs to be installed and running on the remote Target machine in order for PeerSync to be able to communicate with it. This feature supports encryption and compression.</p> <p>Note: We strongly recommend the use of a VPN when transferring files over the public Internet for security purposes. Otherwise, you should use our Encryption feature with a user name and password to protect data and all communication as it is being transferred.</p> <p>When selecting the TCP Mode for the first time the Target TCP/Port Configuration window will open automatically for Target Folder configuration. Otherwise, the previously entered TCP folder path will be displayed. This path can be manually edited by typing directly into the field provided or by using the Configuration button. The convention outlined in this path must be used when manually typing entries, (i.e. the key word TCP must be specified followed by a colon, two backslashes, the Target IP address or machine name, and subsequent folders separated by backslashes). This field is not case sensitive, though spaces may only be entered where they are part of valid folder names (i.e. "Program Files"). No space should appear between slashes and folder names. This field also supports File/Folder Path Variables.</p> <p>The Target Folder Field holds a folder selection History of more then 10 entries. They can be accessed by clicking on the drop down button located to the right of the field.</p> <p>The current path will be displayed bellow the Target Folder Selection Filed. An invalid path will display a red INVALID SELECTION label instead. If there are no efforts made to correct the invalid path and you exit the Target Folder Selection field, the application will throw a message and use the last valid TCP path specified or the default path TCP:\127.0.0.1\C\Target. 127.0.0.1 represents the loopback IP</p>

	<p>address of the local host (i.e. the machine on which PeerSync is running).</p> <p>The provided Host Name and User Name & Password values are displayed above the Target Folder Selection field (see Configuration Button).</p>
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☐ Related Options

[Target Folder Configuration Button](#)

[Select Target Folder Button](#)

[Explore/Open/Create Button](#)

[Target Folder Popup Menu](#)

[Alternate Target Path Selection](#)

Notes:

1. TCP (i.e. TCP WAN Connector Option) is optional modes which may not be included in your package. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. [Bi-directional synchronization mode](#) as well as other non applicable features are ignored when using a TCP Target.
3. Selecting a TCP Source and a TCP Target for the same Job is not supported.
4. Generally performance will be optimal when PeerSync is installed on one of the machines involved in the synchronization process (Source or Target).

Using Normal Mode

The Target Folder Configuration Button can be activated by clicking on the **Configure** button located in right lower corner of the **Target Folder** panel/section. Selecting the Configure button opens the Target Network Logon Settings window. Alternatively, you may right-click on the Target Folder field and select Configure: Target Folder (See [Target Folder Popup Menu](#)). This window allows for network logon Name and Password information for a remote Target connection.

Using TCP Mode

The Target Folder Configuration Button can be activated by clicking on the **Configure** button located in right lower corner of the **Target Folder** panel/section. Selecting the Configure button opens the Target TCP/Port Configuration window. Alternatively, you may right-click on the Target Folder field and select Configure: Target Folder (See [Target Folder Popup Menu](#)).

TCP Configuration Tab	
This window provides a guided method for entering the Target TCP path.	
Host Name	Enter the IP address or machine name of the Target folder into this field. You may use the machine name only if the remote Target machine resides on the same network as that on which PeerSync is running.
Path to Host	Provide the full path (i.e. C:\Documents and Settings\Target) to the Target folder in this field. The path entered needs to be a local path

	<p>without a machine name or UNC format. This field does not validate the existence of the path you provide therefore you must exercise great care when doing so. If the path does exist, PeerSync will create it during run time as long as a valid host name or IP address has been provided and it can find the drive letter specified.</p> <p>A UNC path can be entered for the Path on Host selection for a TCP source or TCP target. This gives the ability to configure non-windows to non-windows Jobs over TCP (i.e. NetApp to NetApp over TCP). Note: This will make use of a new NETWORK constant in the source or target selection.</p> <p>Example:</p> <pre>TCP: \\WindowsServer\NETWORK\NetAppSVM\vol1\Data</pre> <p>Care must be exercised if your PSListener contains a "Root Path". If you specify such a path in your PSListener it will behave like an FTP server that sets Root Paths to limit user access to the local file system. If a "Root Path" exists on the PSListener it will limit PeerSync's ability to access directories on the remote device. PeerSync will only be able to access directories equal to or below the specified "Root Path" level provided that it meets the Port and Encryption requirements. In no circumstances can PeerSync access directories located above this path. If the remote path you enter in the Path to Host field references a directory above the "Root Path", PeerSync will create that folder structure at runtime below the "Root Path".</p> <p>Example:</p> <pre>PSListener "Root Path" = C:\Backup\Users\Admin PeerSync's "Path to Host" = C:\Backup\My Documents Actual Remote Target Path = C:\Backup\Users\Admin\C\Backup\My Documents</pre> <p>Note: The "Root Path" will be ignored when performing byte-level replication using Normal Mode (i.e. Local or UNC paths).</p>
<p>Port Configuration Tab</p> <p>Provides settings to be used by both the Source and Target connections when using TCP and/or Byte Replicator.</p>	
<p>Time Out</p>	<p>Sets the amount of time a connection will wait to complete a data transfer before exiting and performing the failure operation.</p>
<p>Port</p>	<p>This is the TCP Port used to communicate with the Listener on the remote machine. This must match the port number that the PSListener is configured for. By default both Listener and PeerSync use port 7333.</p> <p>Note: The Profiler will not support Well Known Port numbers 0 - 1023. You must use port numbers that are greater than or equal to 1024.</p>

Compression	Uses a lossless compression algorithm to transmit data in fewer bits. By default Compression is disabled to achieve faster performance.
User Information	<p>This is an optional setting that allows you to specify a User Name and Password to be used for encryption as well as authentication purposes when connecting to the remote PSListener. In order to activate encryption or authentication, you must specify both a User Name and a Password value. Strong DES encryption will be used to encrypt the data and communication as it is being transmitted over the Internet, LAN, WAN, or VPN.</p> <p>The User Name and Password entries can be arbitrarily chosen and are not required to be valid. However, once specified, you must enter the same User Name and Password entries in the PSListener Configuration residing on the remote location.</p> <p>If you specify a User Name <u>without</u> a Password, the User Name entry will be ignored and no encryption or authentication with the PSListener will occur.</p>

Notes:

1. The TCP features listed on this page require the [TCP WAN Connector](https://www.peersoftware.com) option. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

Located to the right of the Target Folder Selection Field, this button opens a "Browse for Folder" dialog box: once this box has opened, locate your chosen Target folder, select it using the left mouse button, and click "OK."

Note: This button is not available when selecting TCP for Source or Target.

Explore/Open/Create Target Button	
This button provides three options to be selected from the attached drop-down list. The button label will change to reflect whichever item has been checked on this list.	
Explore	When "Explore" has been selected and the button is depressed, an Explorer-type window will open displaying all available directories. By default, this window will show the folder whose path is currently designated in the Target field. If the folder shown in this field does not exist, Profiler will display a dialog alerting you to this fact and asking if you would like to create it: you can do so by clicking the "Yes" button located at the bottom of this dialog. Once you have done so the newly created Folder will be shown in the Explorer-type tree.
Open	When "Open" has been selected and the button is depressed, a traditional MS navigation window is opened displaying the contents of whichever folder is currently shown in the Target Folder Field. If this folder does not exist, Profiler will display a dialog alerting you to this fact and asking if you would like to create it: you can do so by clicking "Yes" button located at the

	bottom of this dialog. Once you have done so the newly created Folder will be shown in the navigation window.
Create	When "Create" has been selected and the button is depressed, a "Select Directory" dialog will open allowing you to specify a Target Folder path by using the mouse to select a desired drive, directory, and folder (See image in "Source Folder Selection" topic above). Folder paths can also be manually entered into the "Directory Name" field. If you enter a path for a folder that does not exist and hit the ENTER key or click "OK," a dialog box will appear allowing you to create this folder.

Note: This button is not available when selecting TCP for Source or Target.

Target Folder Popup Menu: <u>Using Normal Mode</u>	
The Target Folder PopUp Menu is activated by right clicking on the Target Folder field. The first four features allow the user to Browse for Target Folder, Explore, Open and/or Create the Target Folder selection.	
Configure: Target Folder	Selecting this option displays the Target Network Logon Settings window. This allows the user to specify Network Logon credentials for the Target Folder which enables connection to directories that are not accessible with the current logged on account.
Edit: Target Variable File	This will allow the user to view/edit Variable Data Import and/or Job Data Import files that are used in the Target Folder selection. This option is only available if using Job data import files.
Create Auto Job Name	This feature allows a simple way to generate meaningful Job names. When selecting this item, Job names are automatically generated based on their Source and Target paths which make it a simple task to organize the Job list.
Set Alternate/Additional Targets	Selecting this menu item will open the Alternate/Additional Targets selection window. This feature allows for alternate or additional Target paths associated with the base Job.
Force Source Folder Root as Target Folder Root	Appends the Source folder directory to the Target folder path.

Target Folder Popup Menu: <u>Using TCP Mode</u>	
The Target Folder PopUp Menu is activated by right clicking on the Target Folder field. The first two features allow the user to Explore and Open the Target Folder selection.	
Configure: Target Folder	Selecting this option displays the Target TCP/Port Configuration window. This window provides a guided method

	for entering the Target TCP path as well as TCP and/or Byte Replicator settings (see TCP Configuration).
Create Auto Job Name	This feature allows a simple way to generate meaningful Job names. When selecting this item, Job names are automatically generated based on their Source and Target paths which make it a simple task to organize the Job list.
Force Source Folder Root as Target Folder Root	Appends the Source folder directory to the Target folder path.

1. The TCP features listed above require the [TCP WAN Connector](#) option. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. The Browse for Target Folder and Create options are not available when using TCP Target Mode.

Notes:

1. The TCP features listed on this page require the [TCP WAN Connector](#) option. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. The Browse, Explore, Create, and Set Alternate/Additional Target options are not available when using TCP.

This link will be enabled if you are using a Normal Target Mode Selection. By selecting this link you can set and access your current Alternate Target Path Selections. Through this feature, Jobs can now have alternate or additional Target paths associated with the base Job. This allows for the ability to redirect data on a failed connection to the base Target and/or easily setup, one-to-many scenarios for distribution purposes. Selecting this menu item will open the Alternate Target Path Selection dialog.

To add an alternate or additional Target click "New," then type the desired path into the field located at the bottom of the dialog or select the "Browse" button to select a path.. Repeat this process for each Target path you wish to add. Entries can be deleted by selecting them from the list and clicking the "Delete" key at the bottom of the box. You can also use the "Up" and "Down" buttons to reorder the paths.

Notes:

1. This feature requires the [Enhanced Package](#).
2. Alternate Target Path Selection is not available for TCP.
3. When using Alternate Target Path Selections you cannot use [variables](#) that are specific to the Job (i.e. %JobName%, %SourcePath%, etc.) for the [Move unmatched Target Files](#) option.

If this check box is selected, all files and subfolders within the Source Folder will be replicated to the Target. If unchecked, all files in the root of the Source Folder will still be replicated but all subfolders will be ignored.

This button reverses placement of the file paths shown in the Source and Target Folder Fields (so that what was formerly a Source Folder now becomes a Target Folder, and vice versa).

Represents the date/time the last scan started for the selected Job. This is the date/time of the last [bi-directional synchronization](#) scan of a Job that will be used when comparing files

during the Bi-directional Synchronization Mode option on the [File Options](#) screen. This feature is also displayed and can be reset from the [Profile Job List](#) Pop-Up Menu.

Represents the date/time and user when the selected Job was last saved.

This section describes additional features related to the Folder Selection topic. The features below apply to both the Source and Target folder selections and related configuration options.

▣ Related Options

[File/Folder Path Variables](#)

[Variable Data Import](#)

[Job Data Import](#)

[Dynamic Network Drive Mapping and Unmapping](#)

Variable file/folder paths can be used to create:

1. Dynamic archives for yearly, monthly, weekly and/or daily backups
2. Dynamic synchronization based on date
3. Dynamic synchronization based on logged on user or machine name
4. Dynamic synchronization based on personal folders or other variables read in from the registry
5. Log file storage, manipulation and organization
6. Administrative report file storage, manipulation and organization
7. Deleted file storage, manipulation and organization

File/Folder Path Variables	
Depending upon the argument used, these folders will be dated, named after the currently logged user, named for the PC from which synchronization was launched, or based on a pre-determined variable stored out and read in from the registry. The following variables can be used in any folder path Job setting available through the Profiler:	
Date	%Date%
Time	%Time%
Date/Time	%DateTime%
Minute	%Minute%
Hour	%Hour%
Day	%Day%
Year	%Year%
Month/Year	%MonthYear%
Minute (all formats)	%n, nn%
Hour (all formats)	%h, hh%
Day (all formats)	%d, dd, ddd, dddd, ddddd, ddddd%
Month (all formats)	%m, mm, mmm, mmmm, mmmm%

Year (all formats)	%y, yy%
Custom Peer Variables	
Logged On User Name	%UserName%
Computer Name	%ComputerName%
Job Name	%JobName%
Source Folder Path	%SourcePath%
Target Folder Path	%TargetPath%
Deletion Folder Path	%DeletePath%
Report File Path	%ReportPath%
Windows Variables	
Windows Directory	%WinDir%
Windows	%Windows% (also %SystemRoot%)
System Temp Path	%Temp%
System Temp Path	%Tmp%
System Drive Letter	%SystemDrive%
System 32 (WIN 9x/NT/00)	%System32%
Windows Variables from the "HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders" Registry	
Desktop	%Desktop%
Favorites	%Favorites%
Fonts	%Fonts%
Personal	%Personal%
Programs	%Programs%
Recent	%Recent%
SendTo	%SendTo%
Start Menu	%Start Menu%
Startup	%Startup%
Templates	%Templates%

Notes:

You can also use any variables that are located in the registry under HKEY_CURRENT_USER. For example:

HKEY_CURRENT_USER\Environment (used by default default)
HKEY_CURRENT_USER\Volatil Environment (used by default)

The HKEY_CURRENT_USERS locations can be modified in the PSDef.cfg file as follows:

```
[Misc Options]
RegVarStr=\Environment;\Volatil Environment;
```

In addition, the `%USERPROFILE%` Environmental Variable is now also supported.

Use the variable `%Personal%` to define the "My Documents" folder in Profiles that will be used on multiple operating systems such as XP and Windows 7. Since the location of the My Documents folder is different on these operating systems, using the `%Personal%` variable will dynamically resolve to the correct location on each system. This simplifies configuration and keeps the Profile generic and deployable on multiple operating systems.

Note for PeerSync Jobs linked to PeerLock: PeerLock supports the usage of Windows System and Registry variables in the Source and Target fields (i.e. `%UserName%`, `%ComputerName%`). Custom PeerSync variables such as `%JobName%` are currently not supported and will not work in PeerLock.

PeerSync now contains tools for importing data from files. The ability to extract specific fields of data from a file has been included to allow unlimited scalability. Within an organization, one generic Profile can now be created, and utilizing text files, specific information about the user and the desired folders to be synchronized can be imported dynamically. Variables can be used to dynamically introduce data from a file into various fields throughout the interface including file paths, deletion paths, log file paths, log file names, etc.

Field data is imported through:

```
<<#FileName.txt [section] item#>>
```

In which the [section] is a defined field in a file, such as the example file content below.

```
[Info]
Name=Cris Smith
Home=c:\mydocuments
```

Using `<<#FileName.txt [Info] Name#>>` will import "Cris Smith" into the path it was used in and using `<<#FileName.txt [Info] Home#>>` will import "c:\mydocuments" into the path it was used in.

Note: This feature requires the [Enhanced Package](#).

PeerSync now contains tools for importing data from files to dynamically create Jobs. Within an organization, one generic Profile can now be created, and utilizing text files, specific information about the user and the desired folders to be synchronized can be imported dynamically. Lists can be used in Source and Target path names as such:

```
Source: <<$FileNameSources.txt$>>
Target: <<$FileNameTargets.txt$>>
```

or:

```
Source: <<$C:\Path\To\File\FileNameSources.txt$>>
Target: <<$C:\Path\To\File\FileNameTargets.txt$>>
```

Corresponding entries of each delimited file entry will be used to dynamically create a Job based upon the Jobs properties.

Note: This feature requires the [Enhanced Package](#).

PeerSync allows for the ability to dynamically map and un-map a Source or Target folder selection. The way you do this is to add a letter to the beginning of the UNC path that you wish to map the drive to. This can be done for the Source or Target selection (i.e. n\\COMPUTER\SHAREDDEVICE\PATH).

For Example: n\\DELLSERVER\D\USERDATA

The example above will map the D drive on the DELLSERVER to the N drive upon start of PeerSync and will unmap the drive when PeerSync terminates. This is a quite useful feature especially when running PeerSync as a service in the scenario where you want to synchronize to a mapped drive. This feature will allow for it to occur seamlessly.

Note: If you are going to run PeerSync as a [Service](#) it is advised to use UNC paths or PeerSync's Dynamic Network Drive Mapping and Unmapping feature instead of using mapped drives due to the fact that mapped drives are not understood when a user is not logged on.

Next/Last Available Drive Mapping

This feature allows for the dynamic mapping of the next (A) or last (B) available network drive by using the following format in the Source or Target Fields:

Map Next Available Example: A\\COMPUTER\SHAREDDEVICE\PATH
Map Last Available Example: B\\COMPUTER\SHAREDDEVICE\PATH

Local Drive Mapping

This feature allows for the dynamic mapping of a local drive by using the following format in the Source or Target Fields:

Map Local to N Example: N\\LOCALCOMPUTER\SHAREDDEVICE\PATH

1.1.3 Automation

▣ Topics

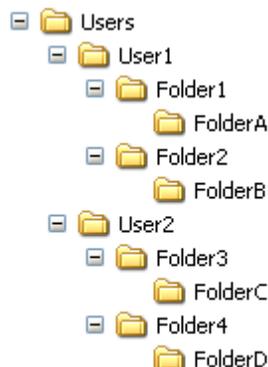
- [Automation Overview](#)
- [Automation Options](#)

The Automation screen allows you to apply Real-Time Monitored or Scheduled synchronization to individual Jobs within a given Profile. Real-Time operations (also referred to as "File/Folder Change Detection") monitor Source Folders for any changes and synchronize them to the specified Target as they occur. Scheduled operations automatically launch synchronization according to a user-specified schedule. Through these settings, PeerSync allows you to build a Profile with as many as 255 different Jobs -- each run according to a unique schedule or in Real-Time (Also see [Command Line Arguments](#) for Global Automation Settings).

Scanning Options	
The options listed on this page can be accessed from the Automation window. This screen allows the user to set the frequency of scans as well as enable Real-Time replication.	
Scan Job Once at Start	This feature directs PeerSync to run the current Job as an Automatic Operation. An Automatic Operation allows you to perform an immediate launch of the current Profile. As a non-persistent process, Automatic Operations are run a single time upon manual initiation by the user. We also refer to this type of run as an Initial Sync.
Scan Job every x minute(s)	Checking this feature assigns a Scheduled operation to the selected Job(s). The field associated with this feature allows you to set an interval in minutes: after this time has elapsed the selected folders will be synchronized. 5 minutes is the default setting. Intervals in seconds can be specified through the use of decimals, (i.e. 0.5 , 2.5 , etc.); the minimum interval is 0.01 .

<p>Scan Job at x</p>	<p>Checking this feature will allow for the synchronization of Jobs at a specific times of the day for selected days of the week. When selected the Daily Timer Options dialog will appear with the following options:</p> <p>Run selected Jobs at Available from the "Daily Timer Options" dialog opened by clicking on the button to the right of the "Scan Job at" field. Selecting this feature will run the Job at the selected time of day.</p> <p>List of Job Selections Available from the "Daily Timer Options" dialog opened by clicking on the button to the right of the "Scan Job at" field. This is a list of the currently selected Daily Timer selections. You can Add New selections by selecting the New button and Delete existing selections by selecting the Delete button.</p> <p>Select days of week to run Available from the "Daily Timer Options" dialog opened by clicking on the button to the right of the "Scan Job at" field. Allows you to turn on/off which days to run this schedule.</p> <p>Selection Options Available from the "Daily Timer Options" dialog opened by clicking on the button to the right of the "Scan Job at" field. This feature will give you the option to run the selected daily timer schedules in a Recurring mode (synchronization will run every time according to the set scheduled options) or Run Once (synchronization will run only once).</p>
<p>Use Enhanced Scanning (Enhanced Scanning)</p>	<p>The Enhanced Scanning option is required for this feature to be enabled. Enhanced Scanning provides the ability to build multiple dynamic Jobs for parallel processing of folders during scans. This will significantly improve the time PeerSync takes to scan trough directories. By default PeerSync scans through a Job sequentially, one folder at a time. With the Enhanced Scan option enabled PeerSync will spawn a Job Thread for each folder or subfolder encountered during a scan.</p> <p>When the Use Enhanced Scanning checkbox on the Automation window is checked the Enhanced Scanning dialog will open. By default the slider in the Enhanced Scanning dialog is set to the Off position all the way to the left side. To enable the Enhanced Scan feature move the slider to the right. Each slide position represents a depth level of 1, 2, 3, 4, and 5 respectively. Each value represents the depth level at which PeerSync will spawn a Job thread for each folder it encounters.</p> <p>Example:</p>

If you set the Enhanced Scanning slider to Level 3, then PeerSync will spawn 7 dynamic Jobs for the Users directory depicted below. It will in essence create a dynamic Job for each of the folders at Level 3 (Folder1, Folder2, Folder3, and Folder4). It will then create a Job for the folders at Level 2 (Users1 and User2) but will exclude all their subfolders. Lastly, it will create a Job for the directory at Level 1 (Users) and exclude all the subfolders.



Notes:

1. The [Enhanced Scanning](#) and the [Multi-Threading](#) add-on options are required for this feature. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. When using this option be sure you make available a large pull of [Job Threads](#) to be used by PeerSync so that dynamic Jobs can be created for each folder during a scan.
3. This feature is not supported when using the [Enhanced Bi-directional](#) option.

Real-Time Event Detection Options

The options listed on this page can be accessed from the [Automation](#) window. This screen allows the user to set the frequency of scans as well as enable Real-Time replication.

Use Real-Time Monitoring

Selects the current Job(s) for Real-Time Monitoring.

Real-Time Options...

This button opens an "Additional Options" dialog box. Once this box has opened, it allows you to choose from two Real-Time operations. The first is a Folder Replication feature, which monitors for changes to the Source Folder and synchronizes the Target accordingly. The second, a Folder Restoration feature, monitors for changes to the Target Folder and restores files on the Target accordingly. To properly use the restore feature, you will need to select the "Always overwrite Target files" option.

Notes:

	<p>1. Bi-directional will be ignored for Real-Time Jobs.</p> <p>Enhanced Real-Time Monitoring</p> <p>This feature allows the Real-Time feature in PeerSync to detect individual changes to files and synchronize only the file which has changed without scanning the entire folder where the change occurred. Normally, synchronization software scans and compares all files into a folder which is being synchronized. This feature does not scan folders unless the change is indeterminate. If a file or folder is renamed, PeerSync will rename the corresponding Target File or folder using rename functions as opposed to copying the newly renamed Source Folder to the Target and then subsequently deleting the outdated Target file/folder. This feature greatly reduces the time required to synchronize files and also reduces network band width requirements.</p> <p>With this option enabled PeerSync will continue to detect real-time events even during a scan.</p> <p>Notes:</p> <p>1. Bi-directional, During comparison subtract/add x minute(s) from Target, and Trigger Selections, as well as, other non applicable features may be ignored during Enhanced Real-Time.</p> <p>2. It is recommended either use the Enhanced Real-Time option for all or none of your Real-Time Jobs within a Profile.</p> <p>3. Using Enhanced Real-Time will produce a different file output format for all modes of reporting and message logging (Reporting, Admin Reporting and Email Reporting). The output will NOT contain a start and stop section or a summary, each entry will also be initially marked with a date and time stamp. If use summary is selected for Admin or Email reporting then the standard selection will be used. The reason this is done is due to the fact that processes will be running in parallel.</p> <p>Use Standard Real-Time Monitoring</p> <p>When the Real-Time feature detects a change to synchronize, this method will cause a scan to run on the root folder, but not the subfolders. For folder manipulations such as renames, the entire folder including its subfolders will be scanned.</p>
Global Settings	See Source Folder Global Options .

1.1.4 Blackout Settings

▣ Topics

[Blackout Settings Overview](#)

Blackout Period

This screen will enable you to set a Blackout period during the daily synchronization. This is a period in which the synchronization will stop and wait until the blackout period has expired according to the specified settings. This would be a useful feature if you wish to stop all the synchronization activities during a particular time when the Network Bandwidth is busy with other activities (such as during working hours).

Suspend active scans when a Blackout period starts

Enabling this option will pause all the scheduled scans during the specified Blackout and will resume after the Blackout period ends.

What happens if PeerSync is performing a scan when it enters the Blackout period?

If the option to "Suspend active scans when a Blackout period starts" is enabled the scan will be suspended and resumed at the point it was left off after the Blackout period ends. If this option is not enabled, the scan will be stopped during the Blackout period and will be restarted from the beginning after the Blackout period ends.

What happens if PeerSync was in the middle of transferring a large file when it entered the Blackout period?

PeerSync will allow the transfer to complete but suspend any new events from being processed until the Blackout period ends. The suspended events or scans will be processed after the Blackout period ends.

What happens if a scan is scheduled to run during the Blackout period?

Regardless if the option to "Suspend active scans when a Blackout period starts" is enabled the scan that is scheduled to run during the Blackout period will run after the Blackout period ends. Multiple suspended scans for a single Job will be compiled into a single scan that will run at the end of the Blackout period.

1.1.5 Scan Limitations

Scan Limitations

Maximum Duration of Scans

Set maximum duration of scans to minute(s)

Initiate Scan on Trigger File Change

Use Trigger Files Default Name:

Source Trigger File:

Target Trigger File:

▣ Topics

- [Maximum Duration of Scans](#)
- [Initiate Scan on trigger File Change](#)

Note: Features listed on this page require the [Enhanced Package](#).

Enabling the **Set maximum duration to x minutes** option allows you to specify a maximum duration for each Job. This gives you the ability to limit the run time of a Job during initial, interval, and scheduled scans.

Trigger Files	
<p>These settings ensure that the Target Folders always remain updated to their corresponding Source by comparing dates indicated by individual Trigger Files. For example, if a Source Trigger is found to be newer than a corresponding Target Trigger, a synchronization process will be allowed to proceed for the selected Job(s). If the files date and time stamps match then the synchronization will not be processed. Therefore, the run of the sync process is in essence, determined by the trigger files.</p>	
Use Trigger Files	This feature is used to activate or trigger synchronization based upon date comparison between an individual Source Trigger File and a separate Target Trigger File. If the Target Trigger File is older than the Source Trigger File, the entire Source Folder(s) will be synchronized.
Default File Name	Displays the Default Global Trigger File Name: GLBCHG.000
Source Trigger File	This field allows you to specify a Global Trigger File by entering it manually, or by selecting it using the browse button located at the right side of the field.

Use Current Paths	Automatically selects the current Trigger Files associated with the Source and Target Folders.
Target Trigger File	This field allows you to specify a Global Trigger File by entering it manually, or by selecting it using the browse button located at the right side of the field.

Note: During [Enhanced Real-Time](#), Trigger Selections will be ignored.

1.1.6 File Options

The screenshot shows the 'File Options' dialog box. It is divided into two main sections: 'Mode Selection' and 'Event Options'.
 Under 'Mode Selection', there are three radio buttons: 'Standard (update target files if source is newer)' is selected, 'Always Overwrite (update target files if source is newer or older)', and 'Bi-directional (both directions)'.
 Under 'Event Options', there are three checked checkboxes: 'Add - synchronize new files', 'Update - synchronize existing files', and 'Replicate - Delete unmatched files'. To the right of the 'Replicate' checkbox is a button labeled 'Deletion Options...'. Below these checkboxes is a section for 'Deletion Folder' with a checked checkbox 'Move deleted files to an alternate location' and a button labeled 'Move Options...'.

▣ Topics

[Mode Selection](#)

[Event Options](#)

Mode Selection	
The options listed on this page can be accessed from the File Options window.	
Standard (update target files if source is newer)	With this mode selection, PeerSync will update files on the Target only if the Source is newer.
Always overwrite (update target files if source is newer or older)	This feature automatically overwrites any files in the Target Folder that have a different date\time stamp than their corresponding Source File, even if the Target File is newer. This feature can be used to restore folders to a previous state either for backup/restore operations or to reset files after training operations.
Bi-directional (both directions during scans)	With this feature selected, PeerSync will merge the data of the Source and the Target folders during Scan at Start, interval and scheduled scans. This feature may be ignored during Real-Time and Enhanced Real-Time modes. The

	<p>following will happen when this feature is selected with the Replicate - Delete unmatched files/folders option enabled:</p> <p>If a File exists in both Source and Target Folders PeerSync will compare the Modified date/time of the files and update/overwrite the older file with the newer file. If the modified date/time is identical PeerSync will not perform any action.</p> <p>If a File exists in only the Source or Target Folder PeerSync will compare the Modified, Created and Accessed date/time of the file with the stored Last Run On date/time of the Job. If any of the three file date/times are newer than the stored Last Run On date/time the file will be added, otherwise the file will be deleted.</p> <p>If a Sub-Folder exists in only the Source or Target Folder The Source will be seen as the primary folder and any sub-folders with content existing on the Source will be added to the Target. If the folder is empty or exists on the Target, PeerSync will compare the Modified, Created and Accessed date/time of the folder with the stored Last Run On date/time of the Job. If any of the folder date/times are newer than the stored Last Run On date/time the folder and all of its contents will be added, otherwise the folder will be deleted.</p> <p>Note:</p> <p>PeerSync now also supports real-time or scheduled bi-directional replication using our TCP replication mode. To achieve real-time bi-directional replication across TCP, PeerSync and PSListener would need to be installed on both the Source and the Target machines. For scheduled bi-directional replication across TCP, PeerSync would need to be installed on one side, while the PSListener on the other. This feature is not supported when using a TCPTarget.</p>
--	--

☐ Related Options

[Global Bi-directional Options](#)

Notes:

1. The Bi-directional feature is only supported when working with a [Normal](#) Source and a [Normal](#) or [TCP](#) Target.
2. The Bi-directional feature may be ignored when using TCP [Source](#).
3. The Bi-directional feature is only valid during scans and will be ignored during [Real-time](#) monitoring.
4. Non NTFS partitions may behave differently using the Bi-directional mode. You may notice files being retained for up to one day, even if you delete a file from the Source or Target.
5. Modifications, such as renames and deletes, of Target Folders are subject to restoration in the Bi-directional mode.

Event Options

The options listed on this page can be accessed from the [File Options](#) window.

Add - synchronize new files to Target	If the Source contains files not found within the Target and this feature is selected, those files will be added to the Target Folder during synchronization. This feature is selected by default.
Update - synchronize existing files in Target	If this feature is selected, Target Folder files which are also found within the Source will be updated to match those Source files during synchronization. This feature is selected by default.
Replicate - Delete unmatched files	<p>If this feature is selected, any unmatched files found in Target Folders will be deleted automatically.</p> <p>CAUTION: Use this feature carefully. If not configured properly, needed files may be permanently deleted. A deletion warning is NOT displayed by default: Profiler must be first set to display this warning through the "Deletion Warning Message" check box.</p>

☐ Related Options

[Deletion Options](#)

[Move Options](#)

<h3>Delete Options</h3>	
<p>The options listed on this page can be accessed by clicking on the Delete Options button from the File Options window. Once the Replicate - Delete unmatched files option is turned on the Delete Options button will be enabled for further configuration. Clicking on the Deletion Options button opens the "Additional Options" dialog box which contains the following features:</p>	
<h4>Deletion Warning Message</h4>	<p>The upper section of this screen allows you to enable or disable a Deletion Warning Message, as well as set the number of seconds for which a Message will be displayed (a message is NOT enabled by default and is not available during Enhanced Real-Time). In addition, you can also choose to display a message requiring manual intervention in order to activate deletions.</p> <p>The Require manual intervention option is only used during single threaded operations and/or standard real-time. It will also be ignored during real-time when using:</p> <ul style="list-style-type: none"> • Multiple Job Threads • Multiple Copy Threads • Enhanced Scanning • FastSync <p>This option will also be ignored during real-time when using Enhanced Real-time monitoring (File Level Change Detection). However, it will be used (when not using the items listed above) for Standard Real-time monitoring (Folder Level Change Detection).</p>

Move Options	
<p>By clicking on the Move Options button in the File Options window you will be able to access the Move Deleted File Options dialog which has the following settings available:</p>	
<p>Move Deleted Files Options</p>	<p>This section provides a field where the user can designate an alternate folder to which unmatched files will be moved in order to avoid permanent deletion. This folder path can be typed manually, or selected using the browse button provided to the right of the field. If the designated folder exists, all unmatched files will be moved there, allowing you the opportunity to recover files deleted from the Target. This field also supports File/Folder Path Variables and when used, the current path will be displayed above the field. Beneath this field are path options.</p> <p>We strongly recommend using a Deletion Folder that is located on the Target host computer. Relocation to an alternate drive or host adds unnecessary processing and bandwidth overhead. For this reason PeerSync uses the following Deletion Folder variables:</p> <p style="text-align: center;">%TARGETROOT%</p> <p>This variable resolves to the root directory of the target path. For example if the target path is \\machine1\c\$\Target\Docs, the deletions path %TARGETROOT%\Deletions will resolve to \\machine1\c\$\Deletions. This variable is used by default.</p> <p style="text-align: center;">%TARGETPARENT%</p> <p>This variable resolves to the parent directory of the target path. For example if the target path is \\machine1\c\$\Target\Docs, the deletions path %TARGETPARENT%\Deletions will resolve to \\machine1\c\$\Target\Deletions.</p>
<p>Relative Paths</p>	<p>This feature will move files deleted by PeerSync from the root folder to the root of the selected folder. Files deleted from sub folders will be moved to corresponding sub folders below the root selected deletion folder. This feature is intended (works best) for a Profile with a single Job.</p> <pre> Example: Source Folder: C:\MyDocs\Files\ Target Folder: D:\MyDocs\Files\ Move Path: C:\DeleteFolder\ If you delete: C:\MyDocs\Files\Sub\File.txt PeerSync will move: D:\MyDocs\Files\Sub\File.txt To: C:\DeleteFolder\Sub\File.txt </pre>

<p>Preserve Paths</p>	<p>This feature will recreate the original path of the deleted file under the specified path. Therefore, a file deleted by PeerSync will be moved into a folder that corresponds to the file's original location: under the selected deletion folder. This feature is intended (works best) for a Profile with Multiple Jobs.</p> <p>Example:</p> <p>Source Folder: C:\MyDocs\Files\ Target Folder: D:\MyDocs\Files\ Move Path: C:\DeleteFolder\ If you delete: C:\MyDocs\Files\Sub\File.txt PeerSync will move: D:\MyDocs\Files\Sub\File.txt To: C:\DeleteFolder\D_MyDocs\Files\Sub\File.txt</p>
<p>Use Recycle Bin</p>	<p>This feature allows you to specify the Windows Recycle Bin as a location for unmatched files. This feature is not intended for use when file deletions made by PeerSync may occur on a non-local machine or device. Only files deleted from a local drive can be moved to the Recycle Bin, if this feature is used all network files will be permanently deleted.</p>
<p>Delete unmatched Target Files older than x days</p>	<p>This feature is intended for the cleanup of files that were candidates for deletion but were selected to be moved to an unmatched folder. By use of this feature, PeerSync can be used to temporarily store files setup for deletion and then have the files deleted after a specified number of days. By default deletion folders are checked every 24 hours or immediately after the initial scan (if Scan Job Once at Start is enabled). This interval can be modified by using the /LH:n argument where n is represented in minutes.</p>

Notes:

1. Only one copy of any file can exist in your designated Recovery folder.
2. To avoid filling up your hard drive unnecessarily, you should periodically check this folder and delete unwanted files or use the [Delete unmatched Target Files older than x days option](#).
3. Only files deleted from a local drive can be moved to the Recycle Bin, if this feature is used, all network files will be permanently deleted.
4. The Deletion Warning Message option is not available during [Enhanced Real-Time](#).
5. When using the [Alternate Target Path Selections](#) feature you cannot use [variables](#) that are specific to the Job (i.e. %JobName%, %SourcePath%, etc.) for the [Move unmatched Target Files](#) option.

1.1.7 NFS Settings

NFS Settings

Use Unix/Linux system for Job Scans, Copy File and/or setting Permissions

IP Address: 192.168.170.21

User Name: vsadmin

Password: ●●●●●●●●

Use Optional Target Unix/Linux system for use with rsync daemon

IP Address: 192.168.170.23

User Name: admin

Password: ●●●●●●●●

Modify NFS Default Options

NFS mount Options: soft,intr,posix,lookupcache=none,rsize=65536,wsize=65536,vers=3

NFS rsync Options: --progress -v -i -z -H

Buttons: Configure..., Mount Paths, Unmount Paths, Setup/Test rsyncd, Mount Target Path, Unmount Target Path

☰ **Topics**

[Use Unix/Linux system for Job Scans, Copy File and/or setting Permissions](#)

[Use Optional Target Unix/Linux system for use with rsync daemon](#)

[Modify NFS Default Options](#)

Note:

Features on this screen require an NFS and NetApp enabled license. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

Use Unix / Linux system for Job Scans, Copy File and/or setting Permissions	
IP Address	Enter the IP address of a Unix/Linux system to use (i.e. Ubuntu or Red Hat) for processing NFS commands.
User Name	Provide the user name for a Unix/Linux system to use (i.e. Ubuntu or Red Hat) for processing NFS commands.
Password	Provide the password for a Unix/Linux system to use (i.e. Ubuntu or Red Hat) for processing NFS commands.
Configure...	Click this button to access the CIFS/NFS configuration dialog.
Mount Folders	Click this button to mount the current Source and Target Folder selection on the selected Unix/Linux system.
Unmount Folders	Click this button to unmount the current Source and Target Folder selection on the selected Unix/Linux system.

Note:

Features on this screen require an NFS and NetApp enabled license. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

Use Optional Target Unix/Linux system for use with rsync daemon	
IP Address	Enter the IP address of a target Unix/Linux system to use with rsync daemon (optional target side).
User Name	Provide the user name for a target Unix/Linux system to use with rsync daemon (optional target side).
Password	Provide the password for a target Unix/Linux system to use with rsync daemon (optional target side).
Setup/Test rsyncd	Click this button to setup optional rsyncd (optional target side).
Mount Target Path	Click this button to mount the current Source and Target Folder selection on the selected Unix/Linux system (optional target side).
Unmount Target Folders	Click this button to unmount the current Source and Target Folder selection on the selected Unix/Linux system (optional target side).

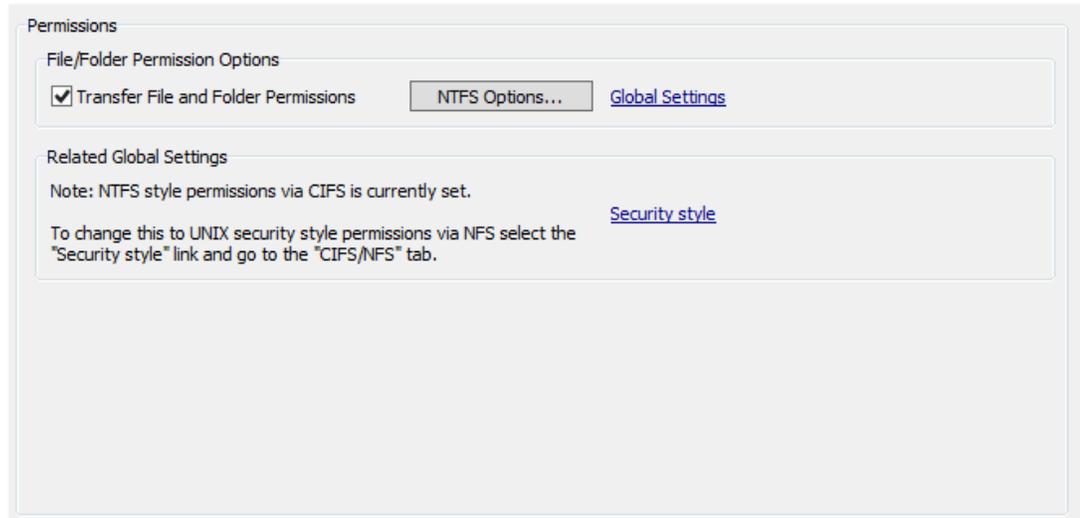
Note:

Features on this screen require an NFS and NetApp enabled license. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

Modify NFS Default Options	
Check this option if you wish to modify the mount or rsync commands used by PeerSync. Modifying the defaults should be done with caution as changes can drastically affect expected results.	
NFS mount Options	Lists the NFS mount options to be used when creating source and target folder mounts on selected Unix/Linux system. Please use caution if making changes to the defaults: <pre>soft,intr,posix,actimeo=5,rsync=65536,wsync=65536,vers=3</pre>
NFS rsync Options	Additional options to use when executing rsync commands. Some options may be dynamically added based on Profile and/or Job settings such as: -a, -r, -l, -t, -D, -A, --update, --partial, --inplace, --exclude, --include and -n. The defaults are: <pre>--progress -v -i -z -H</pre>

Note:

Features on this screen require an NFS and NetApp enabled license. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

1.1.8 Permissions

☰ **Topics**

[File/Folder Permission Options](#)

[Related Global Settings](#)

File/Folder Permission Options	
Transfer File and Folder Permissions	Enable this option to transfer File and Folder Permissions (NTFS security style via CIFS or UNIX security style via NFS). When enabled, the NTFS Options and Global Settings link will be enabled for further configuration.
NTFS Options	Click this button to open the ACL Options dialog. The options in this dialog allow you to specify the types of permissions you want PeerSync to detect and transfer. The options include Owner, DACL: Discretionary Access Control List (enabled by default), and/or SACL: System Access Control List.
Global Settings	Click this link to open the Global Settings dialog and set the global permission settings.

Notes:

1. Care must be exercised when using ACL options to synchronize files and folders between different domains. File security transfers could make the target file inaccessible after transfer/update.
2. When you use a local drive letter (either for the source or target path) you need to make sure the drive is assigned as an administrative share (i.e. D\$) in order for ACLs to work properly.
3. This feature may be ignored when using an TCP Source or Target.

4. Some features on this screen require an NFS and NetApp enabled license. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

Related Global Settings	
This section identifies the security style that has been globally set. The choices are NTFS style (via CIFS) or UNIX style (via NFS).	
Security style	Click the Security style link to change the security style permissions in the CIFS/NFS tab.

Note:

Some features on this screen require an NFS and NetApp enabled license. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

1.1.9 Open Files

Open Files

Open Files

Include open files (allow read and write access to source file during transfer)

Include open files (allow read access to source file during transfer)

Exclude open files (allow read access to source file during transfer)

Exclude open files (deny all access to source file during transfer)

Related Global Settings

- To set Global Open Files Options click here [Global Settings](#)

Associated Global Settings

- To set [Global Recovery/Offline](#) Options click here [Global Settings](#)

Open/Locked Files

- To configure options for Open/Locked Files click here [Managed Files](#)

☰ **Topics**

[Open Files Overview](#)

[Managed Files](#)

[Global Managed Files Options](#)

[Global Recovery/Offline Options](#)

Open Files	
The options listed on this page can be accessed from the Open Files window.	
Include open files (allow read & write access to source file during transfer)	Use this option when you want to include open files and allow users to modify them while they are being transferred. For locked files such as database files, PeerSync will first attempt to process them using the Managed Files setting if enabled. If this process is not enabled or fails, locked files will be retried based on the retry open/inaccessible files setting.

	<p>Note: If PeerSync is able to synchronize files which are in use by other applications, access to those applications may in certain instances be temporarily lost during synchronization.</p>
<p>Include open files (allow read access to source file during transfer)</p>	<p>Use this option when you want to include files that are open for read-only access. Users will be able to open source files for read-only access while they are being transferred. For files that are being modified or are locked PeerSync will first attempt to process them using the Managed Files setting if enabled. If this process is not enabled or fails, these files will be retried based on the retry open/inaccessible files setting.</p>
<p>Exclude open files (allow read access to source file during transfer)</p>	<p>Use this option when you want to replicate only files that are closed. Files that are opened or locked will be retried based on the retry open/inaccessible files setting. Users will be denied write access to source files that are being transferred but may have the option to open them in read-only mode.</p> <p>We recommend you use this option when doing replication/collaboration from one source to multiple destinations. This option allows PeerSync to replicate files from one source to multiple destinations, in parallel, while at the same time protecting the source files from write access during their transfer.</p>
<p>Exclude open files (deny all access to source file during transfer)</p>	<p>Use this option when you want to replicate only files that are closed. Files that are opened or locked will be retried based on the retry open/inaccessible files setting. Users will be denied complete access to the source files that are being transferred.</p> <p>We recommend you use this option when doing real-time bi-directional synchronization/collaboration between two hosts. For collaboration between more than two machines we recommend you use the Exclude open files (allow read access to source file during transfer) option.</p>

☐ Related Options

[Managed Files](#)

[Global Managed Files Options](#)

[Global Recovery/Offline Options](#)

Note: In order to replicate locked files you will require the [VSS](#) add-on module. If you do not configure the [Managed Files](#) setting to use VSS, locked files will be retried based on the [retry open/inaccessible files](#) setting.

1.1.10 Managed Files

Managed Files

Managed Files

Enable Managed File Access (Source Files Only)

Note

Files that are synchronized via Managed Files will be processed after the "Scan Job once at start" option (if enabled) and on a specified Global interval for the Profile.

The Global interval to process files is set to 120 minutes and can be modified by clicking the link below.

Managed Files Options

Synchronize open/locked files via Managed Files

Synchronize ALL files via Managed Files (including files that are not open/locked)

Related Global Settings

- To set Global Managed Files Options click here [Global Settings](#)

▣ Topics

[Managed Files Options](#)

[Managed Files - Global Settings](#)

Note: Features listed on this page require the [VSS](#) option.

Managed Files	
The options listed on this page can be accessed from the Managed Files window.	
Enable Managed File Access (Source Files Only)	Enabling this option will allow you to reliably backup open and locked files while users continue to work on them. For this feature to be available you will require the Volume Shadow Copy Service (VSS) add-on module. This technology has been integrated with PeerSync to allow synchronization of critical data such as system files and databases. By default this feature is enabled at the end of a manual synchronization and is run every 2 hours during persistent (Real-Time or scheduled) modes. This interval can be modified from the Global Settings screen via the Global Managed Files Options link to a minimum interval of 30 minutes. For more features on configuring this option please view the Managed Files Arguments .
Synchronize open/locked files via Managed Files	Through the use of this feature PeerSync will enable processing of the Open and Locked Files from the local machine, through the use of the Volume Shadow Copy Service (VSS) technology. Please note VSS will delay processing of files to the specified interval . VSS is an add-on module.
Synchronize ALL files via Managed Files	Through the use of this feature, you can force PeerSync to send all the file processing through the Volume Shadow Copy Service (VSS) technology. Please note VSS will delay

(including files that are not open/locked)

processing of files to the [specified interval](#). VSS is an add-on module.

☰ **Related Options**
[Global Settings](#)

Notes:

1. These options require the [VSS](#) add-on module. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

1.1.11 Performance

If **Enable Offloaded Data Transfer (ODX) support** is checked on the **Global Performance Options** page (which is the new default starting in v9.6), the **Performance** page for your job will look like this:

Performance

File Read/Write Buffer Size

Improved Load Balancing Maximum Performance

256 bytes 2.00 MB

Set to bytes Reset to Default

Throttle bandwidth - Use % of available bandwidth Time & Day Options

Enable intelligent network load balancing (when applicable)

Set maximum number of Copy Threads to

Related Global Settings

- To configure Global Performance Options click here [Options/Commands](#)

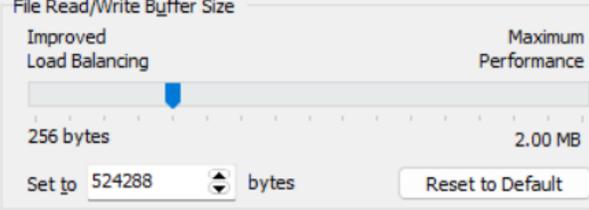
Note: Some of the above options are not applicable when the "Global Performance Options" - "Enable Offloaded Data Transfer (ODX) support" option is enabled. To allow for the use of these options, disable the ODX option via the Options/Commands link above.

If **Enable Offloaded Data Transfer (ODX) support** is unchecked on the **Global Performance Options** page, the **Performance** page for your job will look like this:

Performance

File Read/Write Buffer Size

Improved Load Balancing Maximum Performance



256 bytes 2.00 MB

Set to 524288 bytes Reset to Default

Throttle bandwidth - Use 100 % of available bandwidth Time & Day Options

Enable intelligent network load balancing (when applicable)

Set maximum number of Copy Threads to 0

Related Global Settings

- To configure Global Performance Options click here [Options/Commands](#)

Note: Some of the above options are not applicable when the "Global Performance Options" - "Enable Offloaded Data Transfer (ODX) support" option is enabled. To allow for the use of these options, disable the ODX option via the Options/Commands link above.

Topics

[Performance Overview](#)
[Options/Commands](#)

Performance Options	
The options listed on this page can be accessed from the Performance window.	
File Read/Write Buffer Size	<p>This feature allows you to change the read/write buffer sizes to optimize performance/speed across various network environments or on the local machine. In most cases this will increase performance dramatically but you will probably need to test this feature in your environment to determine what advantages can be gained from altering this size.</p> <p>The minimum value is 256 bytes. The default value is 64 KB. The maximum value that can be set using the track bar is 128 KB. The maximum value that can be set using the up arrow or by manually typing in the spin edit field is 128 KB</p> <p>This feature is unavailable when using Offloaded Data Transfer (ODX) support.</p>
Buffer Size Upper Limit (* Multi Threading Optionng Option)	<p>A higher upper limit of 1 MB is available with the Multi Threading Option option. This value can be set using the up arrow or by manually typing a set value into the spin edit field.</p>

	<p>This feature is unavailable when using Offloaded Data Transfer (ODX) support.</p>
<p>Throttle bandwidth - Use x percent of available bandwidth</p>	<p>This feature is designed to limit or slow down the pulse of reads and writes performed by PeerSync, at the percentage specified, in order to keep bandwidth available for other applications to use. This is done at the file level and is performed by each Copy Thread during the transfer of each file. As we copy a file we track how long it takes to read and write data from the source to the target. Every 100 milliseconds from the start of a file transfer we calculate how much time to allot for processing and sleeping based on the percentage set for the option.</p> <p>This feature is unavailable when using Offloaded Data Transfer (ODX) support.</p> <p>Examples:</p> <p>100% Always Process 90% Process for 90 milliseconds Sleep for 10 milliseconds every 100 milliseconds 50% Process for 50 milliseconds Sleep for 50 milliseconds every 100 milliseconds 10% Process for 10 milliseconds Sleep for 90 milliseconds every 100 milliseconds</p> <p>In summary, PeerSync determines bandwidth throttling by calculating the amount of time required to send a packet of data across your network and then applying a delay based on the throttling percentage specified.</p> <p>Time & Day Options Limit Bandwidth Trottling between the hours and days defined for the selected Job. Using a W+ switch in the /Q8B argument (i.e. /Q8BW+) will display/report bandwidth % used for file add and update events as part of the remarks field.</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. This methodology should dynamically allow for PeerSync to transfer data at a fast pace when no other applications are using bandwidth and allow it to back off when other applications are using bandwidth. 2. This methodology is more accurate when using smaller Read/Write Buffer settings. 3. This methodology does not include small files that take less than 100 milliseconds to process.
<p>Enable intelligent network load balancing (when applicable)</p>	<p>The network load balancing option will automatically set a read/write buffer size based on recommendation from NIC network cards (Installed network cards must also support this feature).</p> <p>This feature is unavailable when using Offloaded Data Transfer (ODX) support.</p>

Set maximum number of copy threads to x (*
[Multi Threading Option](#))

This feature will limit the number of copy threads to be spawned and used for the selected Job during folder scans. This thread limit does not apply to enhanced Real-Time events. By using limits for scanning, it helps the Profile to better process Enhanced Real-Time events during heavy scan operations.

☰ **Related Options**
[Options/Commands](#)

Note: Some features described on this page require the [Multi Threading Option](#). Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.

1.1.12 Byte Replicator

ByteReplicator

Use block/byte level synchronization

On Failure: Use Default File Copy for Synchronization

Block Size Selection

Improved Bandwidth Utilization | Improved Performance

Smaller Block Size | Larger Block Size

Reset to Default

File Exclusions Excluded File Types: ON - Minimum File Size: 100 KB

Port Configuration Port: 7333 - Time Out: 120 seconds - Compression: OFF

Note: This option requires our PSListener tool to be installed on the remote computer with identical Encryption and Port configurations.

☰ **Topics**
[Byte Replicator Options](#)

Note: Features listed on this page require the [Byte Replicator](#) options.

<%REPLICATOR%> Options

The Byte Replicator screen enables and configures Block/Byte level synchronization for the selected Job. Through the use of this feature PeerSync will be able to transmit only the bytes/blocks of a file that have changed instead of transferring the entire file.

Use block/byte level synchronization

Select this option to enable/disable block/byte level replication. If this is disabled, PeerSync will use the standard copy method to synchronize the file. If the Byte Replicator fails to synchronize a file, i.e. On Failure, PeerSync will either:

1. Log Messages & Use Recovery Intervals (if applicable)
2. Use Default File Copy for Synchronization

Block Size Selection	This slider controls whether either Performance or Bandwidth Utilization is most important. Files synchronized with the slider set Low will take longer to complete than with the slider set High .
File Exclusions	<p>Clicking on the Exclusions button in the Byte Replicator window opens the Byte Replicator File Exclusions dialog. Files that match types in the exclusion string (types by file extension) or files that have a size lower than the Minimum File Size will use the default file copy method instead of the Byte Replicator feature.</p> <p>Excluded File Types by Extension Field containing a list of file types that will use the default file copy method instead of the Byte Replicator. This feature can be configured by clicking the button to the right of this field. For example, to exclude files with the extension LOG you may add either .log or log to the exclusion list. Multiple entries need to be semicolon (;) delimited.</p> <p>Minimum File Size Files with sizes lower than the value in this field will be copied using the default file copy method instead of using the Byte Replicator.</p>
Port Configuration	<p>Clicking on the Port Configuration button in the Byte Replicator window displays the Port Configuration dialog. This window allows for a common TCP and/or Byte Replicator configuration option for both the Source and Target paths (see the TCP Port Configuration tab for more information).</p> <p>Note: The TCP WAN Connector (TCP) is an optional feature which may not be included in your package. Please visit https://www.peersoftware.com or contact Sales for additional information.</p> <p>Note: The Profiler will not support Well Known Port numbers 0 - 1023. You must use port numbers that are greater than or equal to 1024.</p>

Notes:

1. The [Byte Replicator](#) is an optional feature which may not be included in your package. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
2. When you use a local drive letter (either for the source or target path) you need to make sure the drive is assigned as an administrative share (i.e. D\$) in order for the Byte Replicator to work properly.
3. In order for Byte Replicator to be enabled, the following criteria must be present:
 - The PS Listener Service has been installed on the remote machine
 - The PeerSync license has the [Byte Replicator](#) add-on feature

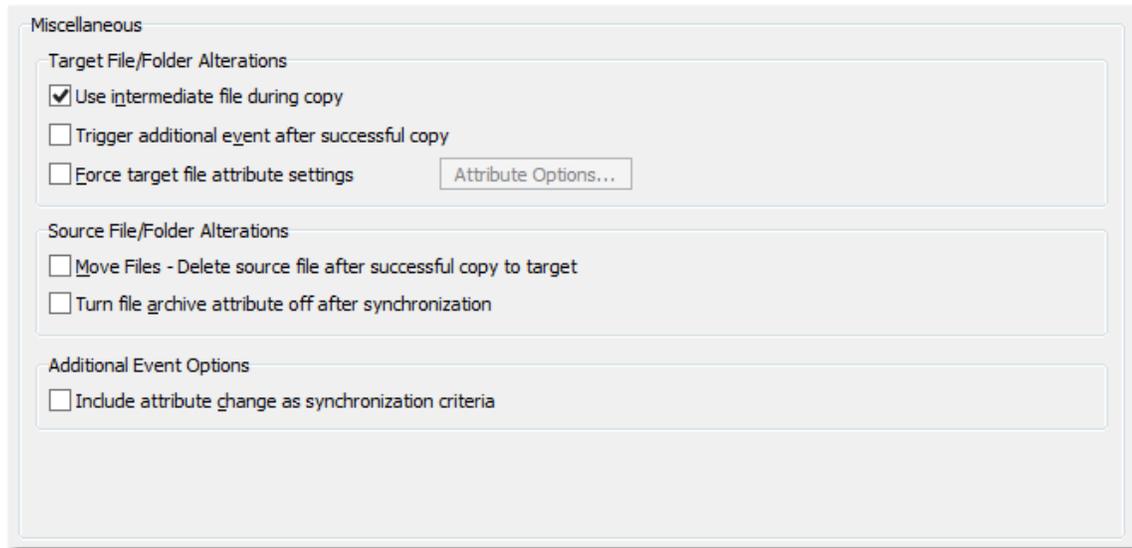
1.1.13 Revisioning

- ▣ **Topics**
- [Revisioning Options](#)

Revisioning	
<p>The options listed on this page can be accessed from the Revisioning window. Through the use of this feature, you can use PeerSync to keep multiple versions of each file. This is a great feature for recovering a previously saved version of a file.</p>	
Revisioning - Keep backup files of overwritten Target Files	Select this option to enable/disable the use of Revisions.
Number of backup files to keep	<p>Designates the number of revisions to keep for each file. PeerSync revisions each file by adding a ".PSBAK1" extension to the existing Target File before replacing it with the updated Source File.</p> <p>Example: "MyFile.txt" will become "MyFile.txt.PSBAK1"</p> <p>If more than one backup is selected, each file will be renamed to the next revision when an update occurs:</p> <p>Example: "MyFile.txt.PSBAK1" is renamed to ".MyFile.txt.PSBAK2"</p> <p>The newest revisions (backup files) will bear the lowest number while the oldest will have the higher number:</p> <p>Example: Newer... PSBAK1, PSBAK2, PSBAK3, PSBAKn ...Older</p>

	<p>Note: If the "Delete Unmatched" option is selected and the Source File that has corresponding PSBAK files deleted, all associated PSBAK files will also be deleted.</p>
Keep files in Target Folder	By default, revisions will be stored in the Target Folder where the updated Target Files reside.
Keep files in Deletion Folder	You also have the option of using the Deletion Folder for storing revisions. This is quite useful when used in conjunction with the Delete unmatched Target Files older than x days option, which is used for automatic cleanup of old revisions.
Keep files in Alternate Folder	<p>You may specify the folder path where you would like the revisions stored to. This option will give you the ability to specify a separate revision folder per Job. We strongly recommend using a Revisions Folder that is located on the Target host computer. Relocation to an alternate drive or host adds unnecessary processing and bandwidth overhead. For this reason PeerSync uses the following Revisions Folder variables:</p> <p>%TARGETROOT% This variable resolves to the root directory of the target path. For example if the target path is \\machine1\c\$\Target\Docs, the revision path %TARGETROOT%\Revisions will resolve to \\machine1\c\$\Revisions. This variable is used by default.</p> <p>%TARGETPARENT% This variable resolves to the parent directory of the target path. For example if the target path is \\machine1\c\$\Target\Docs, the revisions path %TARGETPARENT%\Revisions will resolve to \\machine1\c\$\Target\Revisions.</p>

1.1.14 Miscellaneous



- ▣ Topics

- [Temp Files](#)

- [Source File/Folder Alterations](#)

- [Additional Event Options](#)

Target File/Folder Alterations	
These options can be found in the Miscellaneous window.	
Use intermediate file during copy	If this box is checked, a temporary file will be created in the Target Folder: the contents of the Source File will then be copied into this temporary file. After a successful copy, the Target File will be deleted and the temporary file will be renamed to bear the Target File name. This feature ensures that the updated file will only replace the Target File if copy is successful. If the copy process should be interrupted because of some outside factor (network down, power outage, etc), the original Target file will still be preserved. This option is enabled/disabled automatically when the Bi-directional or Revisioning options are enabled/disabled.
Trigger additional event after successful copy	When this option is checked PeerSync will apply the time stamp of the target file after successfully completing the file transfer in order to trigger an event on the target side. This action will cause the PeerSync installed on the Target to take further action with the file such as transferring it to another location that is not accessible from the originating machine.
Force target file attribute settings	If this feature is selected, the File Attributes Options dialog will be displayed. In this dialog, you may select to force any attribute on or off for the Target files that are synchronized within the selected Job(s).
File Attribute Options	This dialog provides the user the selection to ignore, force on, or force off attribute settings on Target files that are

	synchronized within the selected Job(s).
--	--

☐ **Related Options**
[Global Settings](#)

Source File/Folder Alterations	
These options can be found in the Miscellaneous window.	
Move Files - Delete source file after successful copy to target	<p>This feature will delete the Source file after the file is copied to its corresponding Target folder.</p> <p>Note: This feature should not be used with the Delete Unmatched Target Files option on the File Options screen because conjunct use of the two options will greatly increase the chance of data loss.</p>
Turn file archive attribute off after synchronization	<p>This feature resets the archive flag on the Source and Target file after synchronization. The Windows file system automatically sets the archive bit for every file that has changed; normally, this is used to indicate that a given file has been modified since the last time its archive bit was set. Most tape back-up programs use this flag to determine which files have changed since the last backup. This option will alter Source files. PeerSync uses this feature to reduce the number of files that are checked on the Source drive.</p>

Notes:

1. Source files that are not being synchronized to Target folders will NOT have their archive flags reset. This process only occurs after successful synchronization of a changed file.

Hint: To reset all Source file archive flags, use the "Always Overwrite Target Files" feature. This configures all files for synchronization and consequently qualifies them for the reset of archive flags. This feature only needs to be selected once to be applied to existing sync operations.

Additional Event Options	
This option can be found in the Miscellaneous window.	
Include attribute change as synchronization criteria	<p>This feature allows for the synchronization of files that have different attributes. If this feature has been selected, a Source file whose attributes do not match the Target will still be included in the synchronization process.</p> <p>Notes:</p>

1. By default this option only works during scans. Use the `/LA` [command line argument](#) if you wish to enable attribute detection in real-time.

1.1.15 Additional Features

Additional Features

Additional Options

Enable file recovery

Replace in-use files upon reboot Reboot Options...

Validation Options

Perform binary comparison on all files (using CRC32)

Validate target file (using CRC32) Retry Options...

File Time Change Options

During comparison subtract 0 minute(s) from target

Convert file times to GMT for comparison between time zones

After synchronization subtract 0 minute(s) from target

☰ Topics

[Additional Options](#)

[Validation Options](#)

[File Time Change Options](#)

Note: Features listed on this page require the [Enhanced Package](#).

Additional Options	
The options on this page can be accessed from the "Additional Features" window, available only with the Enhanced Package .	
Enable file recovery	This enables the file recovery option to continue a file copy which may have been interrupted. If the Source and Target file name and date match but the Target file is smaller, PeerSync will start the copy operation from the last byte that was sent the next time a sync operation is executed on the folder.
Replace in-use files upon reboot	If this feature is selected, once a file is open and locked on the Target Folder, it will be set to be replaced the next time the machine is rebooted. Note: This option is only applicable for Jobs with a local Target Folder.
Reboot Options Button	This button opens the Reboot Options dialog box. The default option is "Do not reboot", you may also choose to "Display reboot dialog", or to "Automatically reboot".

Note: Features described on this page require the [Enhanced Package](#).

Validation Options	
These settings can be accessed from the "Additional Features" window, available only with the Enhanced Package .	
Perform binary comparison on all files (using CRC32) during scanning	Option to check all Source and Target files for binary match during folder scan/compare cycle (using CRC32). This check ensures that what is on the Target matches the Source at a binary level.
Validate target file (using CRC32) post file transfer	<p>Option to validate file using CRC32 binary comparison after each successful file copy operation. Clicking on the Retry Options... button opens the Validate File Copy Options dialog box. In this window you may set PeerSync to continue re-validating a file a set number of times.</p> <p>Retry file copy until CRC of target files is validated Checking this option will enable the CRC Retry cycle, where, if a file is not validated, PeerSync will retry the CRC32 validation x times. The default retry value is 1.</p> <p>Set maximum number of tries to Specify the number of times PeerSync will perform CRC32 validation on a file if the initial validation fails. The default retry value is 1.</p>

Note: Features described on this page require the [Enhanced Package](#).

File Time Change Options	
These settings can be accessed from the "Additional Features" window, available only with the Enhanced Package .	
During comparison subtract/add x minute(s) from target	<p>Option to add or delete time from Target file during folder comparison. This allows for synchronization of files between dissimilar time zones or to allow for some time difference between Source and Target in case Target machine date is slightly different from Source.</p> <p>Note: This feature may be ignored during Enhanced Real-Time.</p>
Convert file times to GMT for comparison between time zones	Option to convert file times to GMT for comparison between time zone differences of the Source and Target folders. This feature is quite useful way of synchronizing data between machines located in different parts of the world.
After synchronization subtract/add x minute(s) from target	This option can add or delete time from Target file after synchronization. This allows for synchronization of files between dissimilar time zones, or to allow for some time difference between Source and Target in case Target machine date is slightly different from Source.

Note: Features described on this page require the [Enhanced Package](#).

1.1.16 Exceptions

▣ Topics

[Exceptions Overview](#)

[Include Files](#)

[Exclude Files](#)

[Exclude Folders](#)

[Exclude File by Size](#)

[Exclude Files by Attributes](#)

[Exclude Selected File Dates](#)

The Exceptions screen is used after you have selected a Job or Multiple Jobs from the [Profile Job List](#) and then created an associated Source and Target Folder on the [Folder Selection](#) screen. Through Exception options, PeerSync allows you to selectively apply synchronization to files contained within the Source Folder according to a wide range of explicit criteria.

Include Files	
The options on this page can be accessed from the Exceptions window.	
Include Files	<p>Use this field to determine which file types will be included as part of synchronization. File Type Inclusions are specified by a star command followed by the file extension (i.e. *.doc). You can also specify specific file names and/or sub strings using the * wildcard character.</p> <p>The default setting *.* includes all files with extensions. Changing this to * will include all files with and without extensions.</p>

	<p>Multiple Inclusions can be used and are semicolon delimited (i.e. *.doc;*.txt;*.exe).</p> <p>Inclusions are not case sensitive, (i.e. "A" = "a").</p> <table border="1" data-bbox="662 422 1398 604"> <tr> <td>Examples</td> <td>*.doc</td> <td>- includes any file ending with the extension .doc</td> </tr> <tr> <td></td> <td>docs</td> <td>- includes any file that contains the string docs</td> </tr> <tr> <td></td> <td>copy*</td> <td>- includes any file starting with the string copy</td> </tr> <tr> <td></td> <td>file;data;</td> <td>- includes any file containing the strings file or data</td> </tr> </table> <p>You may also use the ? wildcard character to further narrow down your inclusions. The ? wildcard character can be used to substitute any single character in the file name including numbers.</p> <table border="1" data-bbox="662 793 1398 1037"> <tr> <td>Examples</td> <td>????.*</td> <td>- includes files that have extensions and contain only 4 characters in the name</td> </tr> <tr> <td></td> <td>June??</td> <td>- includes files that have extensions, start with the word June, and are followed by 4 characters</td> </tr> <tr> <td></td> <td>??ne????*</td> <td>- includes files that have the characters ne in the 3rd and 4th positions followed by at least 4 characters</td> </tr> </table> <p>Inclusions can be typed manually, or can be specified using either the Include File Types button or drop-down list located to the right of the field.</p>	Examples	*.doc	- includes any file ending with the extension .doc		docs	- includes any file that contains the string docs		copy*	- includes any file starting with the string copy		file;data;	- includes any file containing the strings file or data	Examples	????.*	- includes files that have extensions and contain only 4 characters in the name		June??	- includes files that have extensions, start with the word June, and are followed by 4 characters		??ne????*	- includes files that have the characters ne in the 3rd and 4th positions followed by at least 4 characters
Examples	*.doc	- includes any file ending with the extension .doc																				
	docs	- includes any file that contains the string docs																				
	copy*	- includes any file starting with the string copy																				
	file;data;	- includes any file containing the strings file or data																				
Examples	????.*	- includes files that have extensions and contain only 4 characters in the name																				
	June??	- includes files that have extensions, start with the word June, and are followed by 4 characters																				
	??ne????*	- includes files that have the characters ne in the 3rd and 4th positions followed by at least 4 characters																				
<p>Include Files Button</p>	<p>Opens an "Exceptions" dialog box into which file extensions may be entered. The "include all files" command * will be shown by default.</p> <p>To add an extension, click "New." Next, type the desired extension into the field located at the bottom of the dialog. Repeat this process for each desired file type. Inclusions can be deleted by selecting them from the list and clicking the "Delete" key at the bottom of the dialog box. Once you have finished, click the "OK" button. The dialog will close and all of the Inclusions you have specified will automatically appear in the Include File Types field in the proper format (separated by semi-colons).</p> <p>The drop-down list located to the right of this field will be dynamically populated with Inclusions as they are set through the "Exceptions" dialog described above. They are also added to the list when you exit the field after manually editing the Include File Types field. Inclusions can then be specified by selecting them from this list. This provides a way to store and/or retrieve sets of Inclusions for later use with other Jobs.</p>																					
<p>Exclude Files</p>																						

The options on this page can be accessed from the [Exceptions](#) window.

Exclude Files

Through this field, files can be selectively excluded from synchronization using sub strings or using wild cards. Exclusions are set by specifying individual characters (i.e. ~), sets of characters (i.e. copy*), or file extensions (i.e. *.tmp) which, if found within a file name, will exclude that file from synchronization.

Multiple characters and strings can be used and are semicolon delimited (i.e. ~;*.tmp;copy*)

These settings are not case sensitive, (i.e. "A" = "a")

Example es	~	- excludes any file containing the character ~
	tmp	- excludes any file that contains the string tmp
	copy*	- excludes any file starting with the string copy
	*.tmp	- excludes any file ending with the extension .tmp
	.tmp;.bak;~	- excludes any file bearing the strings .tmp, .bak or the character ~

You may also use the ? wildcard character to further narrow down your exclusions. The ? wildcard character can be used to substitute any single character in the file name including numbers.

Example es	*tmp? *.*	- excludes all files that contain the string tmp followed by at least one character before the extension
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Exclusions can be typed manually, or can be specified using either the [Exclude Files Button](#) or drop-down list located to the right of the field.

Exclude Files Button

Opens a dialog box into which Exclusions may be entered.

To add an Exclusion click "New," then type the desired character or string into the field located at the bottom of the dialog. Repeat this process for each Exclusion. Entries can be deleted by selecting them from the list and clicking the "Delete" key at the bottom of the box. Once you have finished, click the "OK" button. The box will close and all of the Exclusions you have specified will automatically appear in the Exclude Files field.

The drop-down list located to the right of this field will be dynamically populated with Exclusions as they are set through the dialog box described above. They are also added to the list when you exit the field after manually editing the Exclude Files field. Exclusions can then be specified by selecting them from this list. This provides a way to store

	and/or retrieve sets of Exclusions for later use with other Jobs.												
<p>Exclude Folders</p> <p>The options on this page can be accessed from the Exceptions window.</p>													
<p>Exclude Folders</p>	<p>Use this field to exclude folders from synchronization by specifying a folder name in file path format, (i.e. \TEMP\ or C:\WINDOWS\). These examples will exclude any folder path that contains these strings including sub-folders.</p> <p>If you wish to exclude only a specific or root folder such as "C:\WINDOWS\" but include sub-folders you must include a "#" in front of the complete folder path (i.e. "#C:\WINDOWS\"). This example will exclude any files in this directory but include any files in its sub-folders. A semicolon separates multiple folder exclusions.</p> <p>If you wish to exclude multiple folders that contain the same string do not include the "\" at the end of the folder exclude (i.e. \Docs).</p> <p>These settings are not case sensitive, (i.e. "A" = "a")</p> <table border="1" data-bbox="662 1012 1403 1289"> <tr> <td>Examp es</td> <td>\Docs</td> <td>- excludes files and sub-folder in folders starting with Docs (i.e. Docs, Docs1, DocsA, etc.)</td> </tr> <tr> <td></td> <td>\Docs\</td> <td>- excludes files and sub-folder in folders named Docs</td> </tr> <tr> <td></td> <td>C: \Docs\</td> <td>- excludes files and sub-folder in the folder C: \Docs\</td> </tr> <tr> <td></td> <td>#C: \Docs\</td> <td>- excludes files in the folder C:\Docs\ but includes files in its sub-folders</td> </tr> </table> <p>Exclusions can be typed manually, or can be specified using either the Exclude Folders Button or drop-down list located to the right of the field.</p>	Examp es	\Docs	- excludes files and sub-folder in folders starting with Docs (i.e. Docs, Docs1, DocsA, etc.)		\Docs\	- excludes files and sub-folder in folders named Docs		C: \Docs\	- excludes files and sub-folder in the folder C: \Docs\		#C: \Docs\	- excludes files in the folder C:\Docs\ but includes files in its sub-folders
Examp es	\Docs	- excludes files and sub-folder in folders starting with Docs (i.e. Docs, Docs1, DocsA, etc.)											
	\Docs\	- excludes files and sub-folder in folders named Docs											
	C: \Docs\	- excludes files and sub-folder in the folder C: \Docs\											
	#C: \Docs\	- excludes files in the folder C:\Docs\ but includes files in its sub-folders											
<p>Exclude Folders Button</p>	<p>Opens a dialog box into which Folder Exclusions may be entered.</p> <p>To add an Exclusion, click "New," then type the desired folder name into the field located at the bottom of the dialog. Repeat this process for each Exclusion. Entries can be deleted by selecting them from the list and clicking the "Delete" key at the bottom of the box. Once you have finished, click the "OK" button. The box will close and all of the Exclusions you have specified will automatically appear in the Exclude Folders field. The drop-down list located to the right of this field will be dynamically populated with Exclusions as they are added. Exclusions can then be specified by selecting them from this list. This provides a way to store and/or retrieve sets of Exclusions for later use with other Jobs.</p>												

Exclude empty source folders	This feature will exclude and will not sync empty Source Folders to the Target.
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Exclude File by Size	
The options on this page can be accessed from the Exceptions window.	
Exclude File Sizes	Use the "Less Than" or " Greater Than" fields to exclude files based on their size in bytes. Zero, by default, includes all files.

Include Files by Date	
The options on this page can be accessed from the Exceptions window.	
Selected File Dates	Use this field to specify files set for synchronization according to their date stamp. The default setting includes all file dates. Clicking the button to the right of this field opens a "Select File Dates" screen. This screen allows you to include all files, include files more than x days old, include files bearing the current and past x day's date, or specify a range of the dates. The Set Today's Date button automatically updates the existing range to reflect the current day.

Include Files by Attributes	
The options on this page can be accessed from the Exceptions window.	
Current Attributes	This field displays "Default" or "Customized" to indicate whether the default attributes have been changed. Clicking the button to the right of this field opens a window from which file/folder attributes may be included. All attributes are selected by default. Uncheck the file/folder attributes you do not wish to be used as criteria for synchronization.

Exclude Files by Attributes	
The options on this page can be accessed from the Exceptions window.	
Current Attributes	This field displays "Default" or "Customized" to indicate whether the default attributes have been changed. Clicking the button to the right of this field opens a window from which file/folder attributes may be excluded. All attributes are unchecked by default. Select the file/folder attributes you wish to be used as criteria for exclusion.

1.1.17 Reporting

☰ **Topics**

- [Reporting Overview](#)
- [Report File Content](#)
- [Log File Size/Content](#)
- [SNMP Options](#)

Reporting	
<p>The options listed on this page can be accessed from the Reporting window. PeerSync automatically generates Log Files providing a detailed history of all synchronization events. This screen is used to view Log Files and set their reporting characteristics.</p>	
Use Log File	This feature enables or disables Log file generation. The default file, PeerSync.Log, is located in the path in which PeerSync has been installed. This field also supports File/Folder Path Variables and when used the current path will be displayed above the field.
Overwrite Existing Log File	Use this feature to report only the most recent PeerSync activity in the Log File. If this feature is not selected, all PeerSync processes will be reported in succession.
View Log File	This button allows you to view Log reports by opening the file in a text editor.
Clear Log File	This button allows you to clear Log reports.

Reporting File Content	
<p>The options listed on this page can be accessed from the Reporting window. Using the check boxes provided in this section of the Reporting screen, you can specify what will be reported in the Log File. The Default setting is to include all items except Folder Names.</p>	

Added Files	This feature adds an entry for any file that has been added to the Target.
File Date	Includes date associated with each file contained in the Log.
File Size	Includes size of each file contained in the Log.
Updated Files	This feature adds an entry for any file that has been updated in the Target.
File Time	Includes time associated with each file contained in the Log.
Transfer Time	Includes time it takes to transfer the file in milliseconds.
Summary	Appends a summary of activity to the end of the report.
Folder Names	Indicates the names of synchronized folders.
Folder Creation	This feature creates an entry for any folders that did not exist in the Target and had to be created during the synchronization process.
Messages	This feature logs any messages or application errors found during synchronization.
Exceptions	This feature logs any file/folder exclusion found during synchronization.
ACLs	This feature logs any file/folder ACL updates during scans and real-time.

Note: Application errors are additionally written to a file called "PS Error.log," regardless of whether or not that option has been selected.

Log File Size/Content	
The options listed on this page can be accessed from the Reporting window.	
Set the maximum log file size to x bytes	By entering an amount into this field you can limit the size of Log Files created by PeerSync. When this limit is reached, the next reporting session will first rename the existing file to FILENAME.BAK1.Log and then create a new, blank Log File to which subsequent data will be added. Two backups FILENAME.BAK1.Log and FILENAME.BAK2.Log will be kept for each unique Log file. To customize the number of log files to backup add the following entry in the PSDef.cfg file: [Misc Options] LogBackUpFileCount=3
Unicode content	This option will enable the reporting of Unicode content.

SNMP Options	
The options listed on this page can be accessed from the Reporting window, available only with the Enhanced Package .	

Use SNMP reporting (errors only)	Use Simple Network Management Protocol error reporting.
SNMP Options Button	<p>This button opens the SNMP Options dialog box. Once this box has opened, it allows you to select the Destination IP and Trap Prefix to be used for SNMP reporting. Please refer to your SNMP management software for more details.</p> <p>Note: To properly use the installed mib file you need to rename the PeerSync_def.mib to PeerSync.mib.</p> <p>Note: Starting in PeerSync v9.5.1, the default SNMP trap prefix has changed from 1.3.6.1.4.1.733 to 1.3.6.1.4.1.58279.1. The new prefix includes a newly assigned enterprise number as well as a specific reference to the PeerSync product.</p>

Note: Features described on this page require the [Enhanced Package](#).

1.1.18 Admin Reporting

▣ Topics

- [Admin Reporting Overview](#)
- [Report File Content](#)
- [Report File Name](#)
- [Report File Path](#)
- [Admin Report Cycle Options](#)
- [Advanced Settings](#)

Admin Reporting

The options listed on this page can be accessed from the [Admin Reporting](#) window. This screen allows you to create a unique report for administration purposes. Admin Reports generated during sync operations can be saved to a specific administrative folder (in a

local or network path). Admin Reports are made uniquely identifiable through a choice of naming conventions, (i.e. Computer Name or User Name with date\time stamps).	
Create administrative report files	This feature enables or disables the Administrative Reporting feature.

Note: Admin reporting files do not display [Unicode](#) characters.

Report File Content	
The options listed on this page can be accessed from the Admin Reporting window.	
Summary/Messages only	Appends a summary of activity to the end of the report. This option will also log messages.
Standard report file content	This feature directs Report content to follow those conventions also utilized in PeerSync Log Files.
Messages only	Only reports messages and application errors.

Note: When in enhanced Real-Time or when using Multiple Job Threads standard reporting will be used if summary is selected.

Report File Name	
The options listed on this page can be accessed from the Admin Reporting window.	
Report file name	Allows you to choose between a "Local Computer" or "Logged-On User" Administrative Report. The reports will bear the selected name as a prefix, followed by the created date and time of the Report (i.e. COMPUTER-111507172625011_00001.RPT).

Report File Path	
The options listed on this page can be accessed from the Admin Reporting window.	
Report file path	This field displays the location of Admin Report files. This field also supports File/Folder Path Variables and when used the current path will be displayed above the field.

Admin Report Cycle Options	
The options listed on this page can be accessed from the Admin Reporting window.	
Create a report for every event	This option allows for a report to be generated on every event (Add/Update/Delete/Message).
Create a report on an interval	This option allows for a report to be generated at a specific interval. You may specify the interval from the input field to the right of this option.

Create a report once a day	This option allows for a report to be generated once a day. You may specify the time of the day from the input field to the right of this option.
Create a report once a week	This option allows for a report to be generated once a week. You may specify the day of the week from the drop down list to the right of this option.
Only use Advanced Settings	This option allows for a report to be generated based on the configuration of the Advanced Settings only.

Advanced Settings	
The options listed on this page can be accessed on the "Advanced Settings" button from the Admin Reporting window.	
At the start of this Profile	This option allows for a report to be created at the start of the Profile.
At the stop of this Profile	This option allows for a report to be created at the stop of the Profile.
For each individual error message as it occurs	This option allows for a report to be created for each error.
After each scan (log all non-scan events on the cycle specified)	This option allows for a report to be created once a day. You may specify the time of the day from the input field to the right of this option.
After each scan/cycle even if no events occurred	This option allows for a report to be created after each scan even when no events occurred.

1.1.19 Email Reporting

Email Reporting

Create administrative email messages

Report File Content: Summary/Messages only | Report File Name: Logged On User: Administrator

Email Configuration
 Email to: monikac@peersoftware.com
 Attach log files Delete after successful send

Email Report Cycle Options
Send an email once a day | Every day at 12:00 PM

▣ Topics

[Email Reporting Overview](#)
[Report File Content](#)
[Report File Name](#)
[Email Configuration](#)
[Email Report Cycle Options](#)

Email Reporting

The options listed on this page can be accessed from the [Email Reporting](#) window. This screen allows you to create a unique report for administration purposes. Email Reports generated during sync operations can be sent to an administrator, shared mailbox or a specified user. Email notification of synchronization activity can be sent upon completion of entire Profile or during persistent synchronization operations. Email Reports are made uniquely identifiable through a choice of naming conventions, (i.e. Computer Name or User Name with date\time stamps).

Create administrative Email messages	This feature enables or disables the Email Reporting feature.
---	---

Note: Email reporting messages do not display [Unicode](#) characters.

Report File Content

The options listed on this page can be accessed from the [Email Reporting](#) window.

Summary/Messages only	Appends a summary of activity to the end of the report. This option will also log messages.
Standard report file content	This feature directs Report content to follow those conventions also utilized in PeerSync Log Files.
Messages only	Only reports messages and application errors.

Note: When in enhanced Real-Time or when using Multiple Job Threads standard reporting will be used if summary is selected.

Report File Name

The options listed on this page can be accessed from the [Email Reporting](#) window.

Report file name	Allows you to choose between a "Local Computer" or "Logged-On User" Administrative Report. The emails will bear the selected name as part of the Subject filed. For example: "PeerSync Summary Report for COMPUTER (PeerSync Started)".
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Email Configuration

The options listed on this page can be accessed by clicking on the "Email Configuration" button from the [Email Reporting](#) window.

Attach log files	Allows you to attach the reporting section log file to emails generated by this application.
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Delete after successful send	Deletes the log file after a successful email attached send.
Email Configuration Button	<p>This button opens the Email Configuration dialog box: Once this box has opened, it allows you to select the SMTP Host, User ID, Port, who to send to, and who to send Carbon Copies to and what email address to send from.</p> <p>SMTP Host The host name or IP address of the SMTP mail server to send alert emails to.</p> <p>User ID The username to authenticate with the SMTP mail server. This is normally not needed. (Optional)</p> <p>Port TCP/IP connection port. It is recommended that you leave the default setting unless your email server requires otherwise.</p> <p>To The email address of the person who is to receive the email. This user sometimes needs to be a valid user on the SMTP mail server. You may add multiple email addresses in this field. Use a semicolon (;) as a delimiter.</p> <p>CC The email address of the person who is to receive a Carbon Copy of the email. You may add multiple email addresses in this field. Use a semicolon (;) as a delimiter.</p> <p>From The email address that will appear in the From field of the email. This email does not need to be a valid email. For example it can be used to identify the Job that generated the email by using the %JobName% variable (i.e. %JobName%@MyCompany.com).</p> <p>Send Test Email Clicking on the Test Connection button will send a test email to the configured email address(es) and let you know if PeerSync was able to successfully connect and send an email via the configured SMTP mail server. It is highly recommended that you test the configuration before saving the options.</p>

Email Report Cycle Options

The options listed on this page can be accessed from the [Email Reporting](#) window.

Create a report for every event	This option allows for an Email to be sent on every event (Add/Update/Delete/Message)
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Create a report on an interval	This option allows for an Email to be sent at a specific interval. You may specify the interval from the input field to the right of this option.
Create a report once a day	This option allows for an Email to be sent once a day. You may specify the time of the day from the input field to the right of this option.
Create a report once a week	This option allows for an Email to be sent once a week. You may specify the day of the week from the drop down list to the right of this option.
Only use Advanced Settings	This option allows for an Email to be sent based on the configuration of the Advanced Settings only.

Send Email Reports

The options listed on this page can be accessed by clicking on the "Advanced Settings" button on the [Email Reporting](#) window.

At the start of this Profile	This option allows for an Email to be sent on every event (Add/Update/Delete/Message).
At the stop of this Profile	This option allows for an Email to be sent at a specific interval. You may specify the interval from the input field to the right of this option.
For each individual error message as it occurs	This option allows for an Email to be sent at a specific interval. You may specify the interval from the input field to the right of this option.
After each scan (send all non-scan events on the cycle specified)	This option allows for an Email to be sent once a day. You may specify the time of the day from the input field to the right of this option.
After each scan/cycle even if no events occurred	This option allows for an Email to be sent after each scan even when no events occurred.

Email Report Content

The options listed on this page can be accessed by clicking on the "Advanced Settings" button on the [Email Reporting](#) window.

Send content in the body of the Email	This option will write the content for the email report into the body of the email.
Send content as an attachment to the Email	This option will generate a file with the content of the email report and attach the file to the email.
Place content in a file and send a link in the Email	This option will generate a file with the content of the email report and a link to the file will be sent within the body of the email.

1.1.20 Pre/Post Process

Pre/Post Process

Select Application/Script to Run Before/After Selected Job

Before

After

RUNJOB "PST Backup"

Wait for application to end before continuing

Use a maximum wait time of seconds

☰ Topics

[Pre/Post Process Overview](#)

Pre/Post Process	
The options listed on this page can be accessed from the Pre/Post Process window. This screen allows the user to choose external applications / scripts to be run before and after the processing of a given Job.	
Before	Use this field to specify (by file path) which application or script you would like to run before processing a Profile. File paths can be manually entered, or the open folder icon can be used to locate files. You may also use pre-defined configuration commands. See our support page for a list of available options.
After	Use this field to specify (by file path) which application or script you would like to run after processing a Profile. File paths can be manually entered, or the open folder icon can be used to locate files. You may also

	<p>use pre-defined configuration commands. See our support page for a list of available options.</p> <p>The following options are available to automatically trigger a validation report after a job in PeerSync successfully completes.</p> <p>RunValidationReport - Runs the File System Analyzer to log all files in both the source and target, then compares the results and creates an Excel-based diff report.</p> <p>RunValidationReportWithChecksums - Runs the File System Analyzer to checksum all files in both the source and target, then compares the results and creates an Excel-based diff report.</p>
Wait for application to end before continuing	Check this feature if you want PeerSync to wait for the applications specified in the "Before" and "After" fields to close before processing additional tasks.
Use maximum wait time of x seconds	Selecting this feature sets a limit (in seconds) for how long PeerSync will wait for the applications specified in the "Run Before" and "Run After" fields to close. In order to activate this function, the "Wait for Application to Terminate" function must be checked. The default, when this feature is not checked, is to wait indefinitely.

1.2 Advanced Options

Advanced Options

Migrate Shares

Add Shares: Do Not Update or Delete

Copy shares within the source folder to the relative target folder, where non-matching shares within the target folder are left on the target.

Global Migrate Shares Options (For All Jobs with Migrate Shares Enabled)

Process Migrate Shares after each scan

Process Migrate Shares every 120 minute(s)

Global Advanced File Xfer Options (For All Jobs)

Admin Backup (i.e. Files that are denied access due to current Permission settings)

Advanced Backup (i.e. Reparse Points, Sparse, Offline, Stub Files, etc.)

Alternate Data Stream (ADS) Backup

NetApp Settings

Source Configuration...

Target Configuration...

- ☐ **Advanced Options**
- [Migrate Shares](#)
- [NetApp Settings](#)
- [Global Migrate Shares Options](#)
- [Global Advanced File Xfer Options](#)

1.2.1 Migrate Shares

Migrate Shares	
The following settings can be accessed from the Advanced Options window.	
Add Shares: Do Not Update or Delete	Copy shares from the source folder to the relative target folder, where non-matching shares within the target folder are left on the target.
Match Shares: Add, Update and Delete	Copy shares from the source folder to the relative target folder, where non-matching shares within the target folder are removed.
Replace Shares: Add and Overwrite	Copy shares from the source folder to the relative target folder, where existing matching shares on the target system are overwritten.
Add Shares with the selected Prefix	Copy shares from the source folder to the relative target folder, with the selected prefix.
Add Shares with the selected Suffix	Copy shares from the source folder to the relative target folder, with the selected prefix.

1.2.2 NetApp Settings

NetApp Settings	
While share migration between most platforms can be accomplished using standard Windows API calls, NetApp cDOT requires the use of ONTAPI calls to read and write share configuration.	
The following settings can be accessed from the Advanced Options window and facilitate the connection to ONTAPI for handling share information. Platforms other than NetApp cDOT do not require these settings.	
Source Configuration	Provide the Username and Password log on settings for the Source NetApp cDOT system. Optionally, the Management IP address can also be provided. Click the Get Info button to validate the source system information. These settings are necessary if trying to Migrate Shares from a cDOT source system.
Target Configuration	Provide the Username and Password log on settings for the Target NetApp cDOT system. Optionally, the Management IP address can also be provided. Click the Get Info button to validate the target system information. These settings are necessary if trying to Migrate Shares to a cDOT target system.

1.2.3 Global Migrate Shares Options

Global Migrate Shares Options (For All Jobs with Migrate Shares Enabled)
The following settings can be accessed from the Advanced Options window.

Process Migrate Shares after each scan	If the Migrate Shares option is checked, this setting will process the selected share migration setting after each scan.
Process Migrate Shares every x minute(s)	If the Migrate Shares option is checked, this setting will process the selected share migration setting every x minutes.

1.2.4 Global Advanced File Xfer Options

Global Advanced File Xfer Options (For All Jobs)	
The following settings can be accessed from the Advanced Options window.	
Admin Backup	Provides the ability to replicate files and folders that are denied access because of their current ACL settings.
Advanced Backup	Select this option to replicate files such as Symantec Enterprise Vault stub files or files/folders which may be Reparse Points, Sparse, Offline, Stub Files, etc.
Alternate Data Stream (ADS) Backup	Replicate hidden Alternate Data Streams (ADS) which may be stored behind a filename.

1.3 PeerSync Global Settings

PeerSync Global Settings

The Global Settings section contains features that apply to the entire Profile (all selected Jobs).

Following is a list of Global Settings that can also be found on other screens:

- [Global Recovery/Offline Options](#)
- [Global Performance Options](#)
- [Global Permission Options](#)
- [Global Bi-directional Options](#)
- [Global Open Files Options](#)
- [Global Managed Files Options](#)
- [Current Command Line Argument Selection](#)

- ☐ **PeerSync Global Settings**
- [Global Recovery/Offline Options](#)
- [Global Performance Options](#)
- [Global ACL Options](#)
- [Global Bi-directional Options](#)
- [Global Open Files Options](#)
- [Global Managed Files Options](#)
- [Current Command Line Argument Selection](#)
- [Options/Commands](#)

1.3.1 Global Permission Options

Global Permissions Options	
This screen is activated by clicking on the Global Settings link located to the right of the NTFS Options ... button in the Permissions window as well as from the PeerSync Global Settings window or the Options menu. This window has the following features:	
Monitor File Permission changes during real-time	This global feature will enable real-time monitoring to detect and process file permission changes.
Monitor Folder Permission changes during real-time	This global feature will enable real-time monitoring to detect and process folder permission changes.
Check for Permission changes during scans	This global feature will validate and apply file and folder permission during scans.

Notes:

1. These settings are Global. Global Settings are global to the current Profile. These settings and options pertain to all of the Jobs in the current Profile and are used to define, configure and execute the launch of Profiles via the PeerSync engine. Arguments to be sent to PeerSync can be selected and setup from the [Options/Commands](#) screen.
2. The **Monitor Folder Permission changes during real-time** option turns on/off the [/LG1](#) command line argument.
3. If you enable or disable Inheritance at the folder level, these changes will only get replicated during a scan.

1.3.2 Global Recovery/Offline Options

Retry Open and Inaccessible Files	
The following settings can be accessed from the Global Settings window. Alternatively you can access them from the Options > "Global Settings" > "Global Recovery/Offline Options" menu.	
Retry open/inaccessible files every x second(s)	Use this feature to specify, in seconds, how often PeerSync will attempt to synchronize Source Files that are in use. If the "Include open files" option on the File Options screen has not been checked and "Retry" is selected, PeerSync will continue attempting to synchronize files that are opened by other applications. "Retry" will also work when "Include open files" has been checked and a file is read-locked by another application. When the "Retry" option is on, PeerSync will synchronize the open file within x seconds after the file has been closed.
Set maximum number of retries to x	This feature sets a limit indicating how many times to attempt to process open files. If the maximum number of retries gets exceeded for a particular file PeerSync will remove it from the retry-list until another real-time event occurs on the file or a

	scan detects that the file needs to be added/updated. Setting the retry cycle to 0 will check the file indefinitely.
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Failed Event Reprocess Options	
The following settings can be accessed from the Global Settings window. Alternatively you can access them from the Options > "Global Settings" > "Global Recovery/Offline Options" menu.	
Reprocess Failed Events every x minute(s)	Use this feature to specify, in minutes, how often PeerSync will reprocess failed events.
Reprocess Failed Events once a day at	Use this feature to specify the time each day for PeerSync to reprocess failed events.
Report Level	Specify the Failed Event Reprocess Report level: 0 - Report a message to all log files 1 - If Failed Events are reprocessed 2 - Always: Even if no Failed Events needed to be reprocessed

Pre Failed Condition Options	
The following settings can be accessed from the Global Settings window. Alternatively you can access them from the Options > "Global Settings" > "Global Recovery/Offline Options" menu.	
Wait before failing connection for x second(s)	Use this feature to specify, in seconds, how long PeerSync will wait before failing connections.
Number of times to wait and check	This feature sets a limit indicating how many times to wait and check for failing connections.

Failed Connection Options	
The following settings can be accessed from the Global Settings window. Alternatively you can access them from the Options > "Global Settings" > "Global Recovery/Offline Options" menu.	
Retry failed connections every x minute(s)	PeerSync monitors persistent Jobs (Real-Time, scheduled, interval) for connectivity, and suspends the Job until a connection is resumed. This allows PeerSync to ensure that synchronizations are only attempted when a connection exists. This feature is set by default to a 1 minute interval and can be modified or disabled.
Always run a scan on reconnect	This feature will initiate a full scan on every reconnect to process any file/folder changes which may have occurred during the connection failure. May be useful for Laptop bi-

	directional scenarios and/or to pull missed data from the target system on reconnect.
Run a scan on reconnect (if needed)	This feature will initiate a full scan at reconnect to process any file/folder changes which may have occurred during the connection failure. A scan will be performed only if a failure occurs in the middle of scan or if a scan was missed when the connection was lost.
Store missed events and process on reconnect	<p>This feature pertains to any Job running in a Real-Time mode. Having this option enabled will store Real-Time events during failed connections and will process these events at Reconnect, eliminating the Source/Target Folder scan. This associates with the /YW command line argument.</p> <p>Note: This action will run a scan on reconnect (if needed), if a failure occurs in the middle of scan or a scan was missed when the connection was lost.</p>

Note: These settings are Global. Global Settings are global to the current Profile. These settings and options pertain to all of the Jobs in the current Profile and are used to define, configure and execute the launch of Profiles via the PeerSync engine. Arguments to be sent to PeerSync can be selected and setup from the [Options/Commands](#) screen.

1.3.3 Global Performance Options

Global Performance Options	
The options listed on this page can be accessed by clicking on the "Global Performance Options" link on the PeerSync Global Settings window as well as the Options/Commands window and the Options menu. Please visit Global Performance Options for more information on this topic.	
Application Priority Selection	Move the slider to adjust the Application Priority allowing PeerSync to run at a higher or lower priority than other applications.

Performance Options	
The options listed on this page can be accessed by clicking on the "Global Performance Options" link on the PeerSync Global Settings window as well as the Options/Commands window and the Options menu. Please visit Global Performance Options for more information on this topic.	
Use Enhanced Event Processing	This option provides the ability to parallel process real-time, retry or any other non-scan events. Enabling this feature will improve the speed of synchronization during real-time or any other non-scanning scenarios.
Exclude Common Job Exceptions in Event Processing	This option checks the global exclusions list before file hits such as before event processing and before adding the event

	to the visual list. The command line argument for this option is /QR .
Enable Offloaded Data Transfer (ODX) Support	<p>On by default, this option allows PeerSync to utilize Offloaded Data Transfers (ODX) when working with storage devices that are SMB 3 compliant and have support for ODX. This means that the source and target file servers will send file bytes directly between each other instead of the bytes flowing through the PeerSync server.</p> <p>Note that when this option is turned on, PeerSync will ignore the read/write buffer size, throttle bandwidth, and intelligent network load balancing options.</p>

Notes:

1. These settings are Global. Global Settings are global to the current Profile. These settings and options pertain to all of the Jobs in the current Profile and are used to define, configure and execute the launch of Profiles via the PeerSync engine. Arguments to be sent to PeerSync can be selected and setup from the [Options/Commands](#) screen.
2. Some features described on this page require the [Multi Threading Option](#). Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
3. Using Multiple Job Threads will produce a different file output format for all modes of reporting and message logging ([Reporting](#), [Admin Reporting](#) and [Email Reporting](#)). The output will NOT contain a start and stop section or a summary, each entry will also be initially marked with a date and time stamp. If use summary is selected for Admin or Email reporting then the standard selection will be used. The reason this is done is due to the fact that processes will be running in parallel.
4. We have exhaustively tested PeerSync operations using 50 Job threads and 10 Copy threads. Setting your threads over this limit may lead to potential operational issues. We strongly discourage the use of more than 50 threads, however, you do have the option to exceed this limit by placing a greater than symbol ">" before your desired thread value (maximum allowed is 200). We recommend you test your setting to ensure PeerSync continues to operate acceptably in your environment.
5. The [Include open files \(if possible\)](#) option should be used if you are using the Performance Options: Multiple Job Threads and Multiple Copy Threads.
6. When setting the Application Priority to High, PeerSync will use more than average CPU, you may want to use the [Set Processor Affinity](#) argument in this scenario.

1.3.4 Global Bi-directional Options

Global Bi-directional Options	
This screen is activated by clicking on the Global Settings link located to the right of the Bi-directional option in the File Options window as well as from the PeerSync Global Settings window or the Options menu. This window has the following features:	
Always create a super-set during bi-directional synchronization	This feature will alter the way the Enable bi-directional synchronization mode option functions by always creating a super-set of the data on the source and target. In this mode folders and files will always be added and not deleted.
Use enhanced bi-directional	This feature will alter the way the Enable bi-directional synchronization mode option functions by using enhanced features to track all file and folder adds, updates, deletions,

synchronization mode options	<p>renames and moves between scan cycles. In this mode, PeerSync will use a hidden system trigger file within each sub-folder to store information about the last scan cycle for that sub-folder. Using this trigger file, PeerSync can determine if a Folder was added, deleted, renamed or moved since the last scan.</p> <p>Note: This feature is not supported when using the Enhanced Scanning option.</p>
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Notes:

1. These settings are Global. Global Settings are global to the current Profile. These settings and options pertain to all of the Jobs in the current Profile and are used to define, configure and execute the launch of Profiles via the PeerSync engine. Arguments to be sent to PeerSync can be selected and setup from the [Options/Commands](#) screen.
2. Please refer to our [White Papers](#) page for step-by-step tutorials to achieve real-time or scheduled bi-directional synchronization.
3. When the "Always create a super-set during bi-directional synchronization" option is NOT selected (i.e. doing standard or enhanced bi-directional synchronization) we recommend you add [/YO-](#) and [/QYD:0](#) to your list of [command line arguments](#). These options will ensure that during standard or enhanced bi-directional synchronization, deleted files from one side are not re-added by the other side. These arguments should NOT be used if there are more than two machines involved in a bi-directional synchronization.

1.3.5 Global Managed Files Options

<p>File Manager Interval</p> <p>By clicking on the Global Settings link from the Managed Files window you will be able to configure the File Manager Interval option. Alternatively you can access this screen from the Global Settings window or from the Options menu.</p> <p>PeerSync uses the Volume Shadow Copy Service (VSS) in order to allow synchronization of open/locked files. In order to enable this feature you will require the Managed Files add-on module. Developed by Microsoft, VSS is a storage management framework designed to create a point-in-time copy/snapshot of a volume. This method works well with applications that are VSS compliant. VSS does not support Novell NetWare systems.</p>	
Run Managed Files List Manager every x minutes	<p>By default the Managed Files is set to run on an interval of 120 minutes. This interval may be changed by simply changing the interval time. By default, Managed Files will run at the end of the initial scan if Scan Job once at start is enabled. Subsequent open and locked files detected in real-time or during scans will be thrown into the Managed Files list to be processed based on the Managed Files interval.</p>
<p>Locked and Managed Files List Options</p>	
Partial Locked Extensions	<p>A semi-colon delimited list of file types that are partially locked when opened by other applications (i.e. Outlook PST files).</p>

	If Volume Shadow Copy Service (VSS) is enabled, PeerSync will always process files with the specified extensions as though they are open and locked files. If VSS is not enabled, then PeerSync will pre-scan the files to ensure complete access before file copy.
Use Managed Files for Partial Locked Extensions	If checked, any file that is in the Partial Locked File Extension List (default: .pst files) will always be synchronized using VSS without scanning the file for partial locks.

Notes:

1. These settings are Global. Global Settings are global to the current Profile. These settings and options pertain to all of the Jobs in the current Profile and are used to define, configure and execute the launch of Profiles via the PeerSync engine. Arguments to be sent to PeerSync can be selected and setup from the [Options/Commands](#) screen.
2. These options require the [VSS](#) add-on module. Please visit <https://www.peersoftware.com> or contact [Sales](#) for additional information.
3. The minimum Managed Files interval is 30 minutes.
4. This feature only works for local Source folders.

1.3.6 Global Open File Options

Allow delete access to source file during transfer	
This setting can be accessed from the Global Settings window. Alternatively, you can access this screen from the Options menu.	
No Files (Default Setting)	If selected, PeerSync will never allow delete access to a source file by other applications while PeerSync is reading from the file.
All Files	If selected, PeerSync will always allow delete access to a source file by other applications while PeerSync is reading from the file, regardless of file type.
Files in the default extension list	If selected, PeerSync will allow delete access to a source file of a certain type by other applications while PeerSync is reading from the file. The default list of extensions is: .PPT; .PPTX; .DOC; .DOCX; .XLS; .XLSX; .PUB; .DWG; .3DM
Files with the following extensions:	If selected, PeerSync will allow delete access to a source file of a specified type by other applications while PeerSync is reading from the file. The list of extensions is semi-colon delimited and has an associated dialog for adding and removing extensions.

1.3.7 Current Command Line Arguments**Global Command Line Arguments List**

<p>From the Options/Commands window, double-clicking on the "Command Line Arguments" field or selecting the button to the right of it will open the Command Line Arguments dialog. The Command Line Arguments dialog can also be accessed from the PeerSync Global Settings window as well as from the Options/Commands window or the Options menu.</p>	
<p>Command Line Arguments</p>	<p>In this dialog you can modify, add or delete arguments to be used when launching PeerSync through any of the modes described in the Startup/Service screen or via the Run/View Current Profile Activity screen. This dialog displays the current arguments selected for the Profiler and will also allow for the selection and modification of additional Command Line Arguments by double-clicking this field or selecting the Current Arguments Button to the right of the field.</p>

Note: These settings are Global. Global Settings are global to the current Profile. These settings and options pertain to all of the Jobs in the current Profile and are used to define, configure and execute the launch of Profiles via the PeerSync engine. Arguments to be sent to PeerSync can be selected and setup from the [Options/Commands](#) screen.

1.3.8 Global Display Options

<p>Profiler Options</p> <p>Options located on this screen can be accessed from the Options/Commands > Display Options window and the Options > Global Settings > Display Options menu.</p>	
<p>Enable Basic Display</p>	<p>This feature will have PeerSync open the Profiler, if it is not already open, and send status messages to be displayed on the Run/View PeerSync screen.</p>
<p>Enable Advanced Display</p>	<p>This option activates the Show Advanced Display link at the bottom right corner of the Run/View PeerSync screen. When this link is clicked, the PeerSync Advanced Display panel will be shown. The advanced display contains a Jobs Stats panel on the top and an Advanced Run/View PeerSync panel at the bottom. The command line argument to disable this option is /QQ<<.</p>

<p>PeerSync Options (Application Runs Only)</p> <p>Options located on this screen can be accessed from the Options/Commands > Display Options window and the Options > Global Settings > Display Options menu.</p>	
<p>Display status in PeerSync</p>	<p>This feature will show the PeerSync Status Display dialog box during synchronization to view activity, status and other information while PeerSync is running.</p>
<p>Display status in PeerSync upon completion</p>	<p>This feature will have PeerSync pop-up the PeerSync Status Display dialog at the end of synchronization (only in non-persistent modes) to view activity, status and other information upon completion.</p>

Profiler/PeerSync Options	
Options located on this screen can be accessed from the Options/Commands > Display Options window and the Options > Global Settings > Display Options menu.	
Job Stats	This feature allows for the Jobs Stats panel in the PeerSync Advanced Display to get updated. Use /QP to disable this option via the command line.
Job Scans	When enabled, this option adds a Job Scans tab to the Advanced Run/View PeerSync panel. This table lists Base/Root, Enhanced/Expanded, and RT/Sub-folder scans with statistics and progress for all the Jobs or only the selected Job. The command line argument for this option is /Q8BJ+ .
File Copy Progress	This feature will show the progress of a file transfer in the PeerSync Status Display or the Advanced Run/View PeerSync panel. This feature requires the Multi-Threading Option . The command line argument for this option is /QQ .
Historical Data	When enabled, this option adds a Historical Data tab to the Advanced Run/View PeerSync panel. This tab contains a subset of data from the PeerSync Jobs Stats panel (Xfer Rate, Bytes and Event Averages) and is broken down into total, hourly, daily, and weekly statistics for all the Jobs or only the selected Job. The command line argument for this option is /Q8BH+ .

☐ **Related Options**

[Performance Options](#)

[Command Line Arguments](#)

Notes:

1. These settings are Global. Global Settings are global to the current Profile. These settings and options pertain to all of the Jobs in the current Profile and are used to define, configure and execute the launch of Profiles via the PeerSync engine. Arguments to be sent to PeerSync can be selected and setup from the [Options/Commands](#) screen.

1.3.9 Global Reporting Options

Messages By Profile	
Options located on this screen can be accessed from the Options/Commands > Reporting Options button and the Options > Global Settings > Reporting Options... menu.	
Create a message log file for this Profile	Use Profile message log file.

Messages By Jobs

Options located on this screen can be accessed from the [Options/Commands](#) > **Reporting Options** button and the [Options](#) > **Global Settings** > **Reporting Options...** menu.

Create a message log file for each Job	Use Job message log file.
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Global Admin/Email Reporting Options

Options located on this screen can be accessed from the [Options/Commands](#) > **Reporting Options** button and the [Options](#) > **Global Settings** > **Reporting Options...** menu.

Send messages for failures only	When sending messages for admin/email reports filter on failures only (F switch in the /Q8E argument - i.e. /Q8EF).
Append Global Stats Information	Append Global Stats to admin/email reports (G switch in the /Q8E argument - i.e. /Q8EG).
Append Job Stats Information	Append or attach Job Stats information to admin/email reports (S+ switch in the /Q8E argument - i.e. /Q8ES+). Note: To attach a csv file instead use a V+ switch in /Q8E argument - i.e. /Q8ES+V+
Append Historical Data Information	Append or attach Historical Data information to admin/email reports (H+ switch in the /Q8E argument - i.e. /Q8EH+). Note: To attach a csv file instead use a V+ switch in /Q8E argument - i.e. /Q8EH+V+.

1.3.10 Options/Commands

Options/Commands

Display/Reporting Options - All Jobs

Show tray icon Set Access Password...

Enable display options Display Options...

Enable reporting options Reporting Options...

Performance Options - All Jobs

Enable FastSync Disabled: [Enable for Improved Scan Performance](#)

Use Multiple Job Threads - Set maximum number of threads to:

Use Multiple Copy Threads - Set maximum number of threads to:

Set Application Priority High Normal Priority

Command Line Arguments

...

▣ **Topics**

[Display/Reporting Options](#)

[Performance Options](#)

[Command Line Arguments](#)

Display/Reporting Options - All Jobs	
Options located on this screen can be accessed from the Options/Commands window.	
Show tray icon	If enabled, PeerSync will display an icon in the system tray for PeerSync.
Enable display options	If enabled, the following Command Line arguments will be set: /Progress , /GO , /GL , /TD , /QP , and /QQ .
Enable reporting options	If enabled, one of the following Command Line arguments will be set: /YLP or /YLF
Set Access Password...	Sets a password for access to the Profiler. Once set, the password must be entered in order to make changes to the Profiler,
Display Options...	See Global Display Options for details.
Reporting Options...	See Global Reporting Options for details.

Performance Options - All Jobs	
Options located on this screen can be accessed from the Options/Commands window.	
Enable FastSync	Enable FastSync for improved scan performance (/GFX>Y>... Command Line Argument). Checking this box will show you a list of PeerSync features that are not supported by FastSync, as well as bring up a dialog for tuning FastSync behavior. See FastSync Settings for details.
Use Multiple Job Threads - Set maximum number of threads to	Enable this option to allow multiple Job threads to be used for parallel processing of Jobs. Without this feature each Job will run sequentially in the order it is listed, scheduled to run, or in the order that events are received.
Use Multiple Copy Threads - Set maximum number of threads to	Enable this option to allow multiple Copy Threads to copy multiple files in parallel processes (i.e. Simultaneous Distribution - Synchronizing from one server to multiple servers simultaneously in a Web Farm type environment).
Set Application Priority	Adjust the Application Priority allowing PeerSync to run at a higher or lower priority than other applications.

☐ Related Options

[Performance Options](#)

[Command Line Arguments](#)

Notes:

1. These settings are Global. Global Settings are global to the current Profile. These settings and options pertain to all of the Jobs in the current Profile and are used to define, configure and execute the launch of Profiles via the PeerSync engine. Arguments to be sent to PeerSync can be selected and setup from the [Options/Commands](#) screen.

FastSync Level of Aggressiveness	
Options located on this screen can be accessed from the Options/Commands > Enable FastSync option.	
Aggressiveness Slider	Select the level of aggressiveness to be used by FastSync sessions. The slider controls background threads, folder depth level, and maximum RAM allowance.
Retain FastSync data files (for	When enabled, this will leave behind FastSync data files (configuration and reporting) for each FastSync session in the INSTALLPATH\FastSync\Runs folder to be used for analysis, extended reporting and/or troubleshooting.

troubleshooting)	
Enable detailed reporting/display (will impact performance)	<p>When enabled, you will see normal reporting and display at the expense of performance.</p> <p>Note: When disabled, there will be no tracking, reporting, or display of individual add/update events during scans as seen when not using FastSync.</p>

2. Startup/Service

2.1 PeerSync Startup/Service

Status	Updated	Added	Deletions	Excluded	Messages	Job Scans	Failed Events	Historical Data	Job Control
Profile: HQ_Profile									
Job: N/A - Multiple Job Threads Enabled									
Mode: Automatic and Real-Time (Persistent)									
Scanned Folders:	234	of	1085						
Scanned Files:	4349	of	4452						
Scanned Bytes:	9.79 GB	of	10.03 GB						
Checked: 5206	Updated: 200		Current Job Status: Normal						
Excluded: 13	Added: 0		Pending Event Status: No Pending Items						
Messages: 0	Deleted: 0		Current Event Status: Running Items (Job Scans: 2) (Expanded Scans: 9) (Scan						
Synchronizing folder: IMAGES								Total Transferred: 23.43 MB - 00:00:13	

▣ Topics

[PeerSync Startup/Service Overview](#)

2.1.1 PeerSync Startup/Service Overview

PeerSync Startup/Service Options	
<p>The options in this window can be accessed from the "Startup/Service" > PeerSync Startup/Service window. This screen allows the user to specify whether or not PeerSync will be run upon startup of the active PC, while also defining its interaction with the network (if applicable). This screen provides shortcuts for installing PeerSync as a service, adding it to the Windows StartUp list, or to the Windows registry for automatic loading upon startup.</p>	
Disable all Startup Options	Check this feature to prevent PeerSync from automatically loading at Windows startup/logon.
Create Shortcut on Desktop	This button will place the current Profile into a shortcut on your desktop (See "Scan at Start of Profile List," Options/Command). A Profile Shortcut will need to be created through this feature in order to use PeerSync's Command Line Mode.

Add to Windows StartUp	This button opens the Windows StartUp folder, showing links to files and programs that open automatically upon user logon. This button is only accessible when "Add to Windows Startup Folder" is checked.
Add to Windows registry	Check this feature if you want PeerSync to run automatically when Windows boots through specification in the Windows registry.
Run RegEdit	This button opens the Windows Registry Editor. This button is only accessible when "Add to Windows registry to run at boot" is checked.
Install as an NT Service	<p>Check this feature if you want PeerSync to run automatically as a service under Windows NT. Click here for a Tutorial on how to install PeerSync to run as an NT Service.</p> <p>To configure and run the service you must go to "Services" located in the "Control Panel" and select "PeerSync Professional Series Software." By default the service is installed with the "Local System account" selected for the service "Log on as:" option.</p> <p>Caution: If any of your Source or Target Folder Selections are not located on the local machine, then you will have to configure the service to "Log on as:" an alternate (Domain Admin) account on your domain so that the service has the rights to access the remote machines and/or devices. If you do not do this the service may not run properly.</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. If PeerSync is running as a Service it is advised to use UNC paths or PeerSync's Dynamic Network Drive Mapping and Unmapping feature instead of using mapped drives do to the fact that mapped drives are not understood when a user is not logged on. 2. You can add the argument /LSE (Log Service Events to NT Application Log) to the following entry in the registry (HKEY_LOCAL_MACHINE\Software\PeerSoftware\PeerSync\Service\Parameters). This will have PeerSync log all changes to be reported to application log in addition to the normal logging of the start, stop, pause and continue of the service. 3. If PeerSync is running in Real-Time mode as a service, subsequent real-time Profiles will interfere with service operation and should not be employed. Both Scheduled Operations and Manual (non-persistent) operations should perform without interference to a service installation of PeerSync. 4. The service can run without any Jobs configured or selected.
Details	This button is used to view the details of the currently installed PeerSync service.
Remove	This button is used to remove the currently installed PeerSync service.
Create SNC extension association for Profiler	Checking this feature causes any file with the extension .SNC to be associated with PeerSync: PeerSync Profiles bear this extension by default. Once this feature has been selected,

	double/clicking on any SNC file will open Profiler and load that particular file.
Add Quick-Sync Folder option to Explorer menu	Checking this feature adds or removes the Quick-Sync Folder selection from Windows Explorer. This feature is a quick and easy way to synchronize folder(s) on the fly to backup location(s) with the option to modify your Job settings at a later time.
PeerSync Application Path	This field is used to specify the location of the PeerSync executable file. You can use the open folder icon to browse drives in order to locate this executable file.

Starting Profiles	
The following describes ways in which PeerSync can be launched or started.	
From the Profiler	By using the Launch Profile Menu Item in the Run Menu By using the Launch Current Profile button on the Tool Buttons Toolbar By using the Launch Current Profile button on the Run/View Current Profile Activity screen
Externally without the Profiler	Setup/run from a Shortcut on the Desktop Setup/run from the Startup Folder Setup/run at boot from the Registry Setup/run as a NT Service Setup/run using the Windows Task Scheduler

Notes:

- Individual Jobs can be synchronized using the 'Synchronize Selected Jobs' feature, found in the [Profile Job List Popup Menu](#).
- Another way of running PeerSync is by using the [Quick-Sync Folder](#) feature by right-clicking on a folder from MS Windows Explorer.

3. Run/View**3.1 PeerSync Run/View**

Status	Updated	Added	Deletions	Excluded	Messages	Job Scans	Failed Events	Historical Data	Job Control
Profile: HQ_Profile									
Job: N/A - Multiple Job Threads Enabled									
Mode: Automatic and Real-Time (Persistent)									
Scanned Folders:		234	of	1085					
Scanned Files:		4349	of	4452					
Scanned Bytes:		9.79 GB	of	10.03 GB					
Checked: 5206	Updated: 200		Current Job Status: Normal						
Excluded: 13	Added: 0		Pending Event Status: No Pending Items						
Messages: 0	Deleted: 0		Current Event Status: Running Items (Job Scans: 2) (Expanded Scans: 9) (Scan						
Synchronizing folder: IMAGES								Total Transferred: 23.43 MB - 00:00:13	

▣ **Topics**

[Basic Display](#)

[Advanced Display](#)

3.1.1 Basic Display

<p>Run/View PeerSync - Basic Display</p> <p>PeerSync can be run as an Application or as an NT Service, if available and installed from the Startup/Service screen.</p> <p>This screen is used to launch the current Profile and to view current Profile activity. If the Display Status in Profiler option is turned on from the Options/Commands screen this screen will be shown upon execution of a Profile and will dynamically show the status of synchronization of the current Profile as the process occurs. This screen will also be shown upon using the Synchronize Selected Jobs feature, found in the Profile Job List Popup Menu to display the Current Activity of the Jobs sent to PeerSync as a temporary Profile.</p>	
Profile	Displays the name of the Profile actively being processed. This label may not match the name of the Profile currently being configured through Profiler.
Job	This indicator will dynamically display the name of whichever Job is presently being processed for the Active Profile.
Mode	This indicator will dynamically display the name of whichever Job is presently being processed for the Active Profile.
Launch Current Profile/Terminate Active Profile	This button allows you to launch the current Profile. Once a Profile has been launched, its processing may also be terminated through this button (the label will change to read "Terminate Active Profile"). This button offers one of three ways to initiate an Automatic Operation.
View Active Profile	This button allows you to connect to and view the Active Profile.
Run as a service	If PeerSync is installed as a Service you have the option of running it as an Application or as a Service from this screen.
Start/View Service	This button allows you to start the current Profile as a Service or view the Active Profile. It is only visible if PeerSync was installed as a service.
Stop Service	This button allows you to stop the current Profile as a Service. It is only visible if PeerSync was installed as a service.
Pause Service	This button allows you to pause the current Profile as a Service. It is only visible if PeerSync was installed as a service.
Resume Service	This button allows you to resume the current Profile as a Service. It is only visible if PeerSync was installed as a service.

Scanned Folders	Displays the total number of folders that have been scanned using a representation of X of Y, where X indicates the number of folders that have been scanned so far and Y represents the total number of folders that need to be scanned. When the X and Y values match, the scan is considered as complete. The progress bar to the right of these values is a visual representation of the folders that have been scanned. These values are reset on subsequent scans if applicable and do not include excluded folders.
Scanned Files	Displays the total number of files that have been scanned using a representation of X of Y, where X indicates the number of files that have been scanned so far and Y represents the total number of files that need to be scanned. When the X and Y values match, the scan is considered as complete. The progress bar to the right of these values is a visual representation of the files that have been scanned. These values are reset on subsequent scans if applicable and do not include excluded folders.
Scanned Bytes	Displays the total number of bytes that have been scanned using a representation of X of Y, where X indicates the number of bytes that have been scanned so far and Y represents the total number of bytes that need to be scanned. When the X and Y values match, the scan is considered as complete. The progress bar to the right of these values is a visual representation of the bytes that have been scanned. These values are reset on subsequent scans if applicable and do not include excluded folders.
Large File or Compression Status	This caption will be displayed to the right of the file name that is currently synchronized for large files and during compression. The caption will show the size of the file that has been copied to the Target and/or compression status.
Checked	This indicator displays the total number of files contained in the selected Source Folders.
Excluded	Indicates the number of files that were excluded from synchronization (See Exceptions).
Messages	Indicates the number of error messages generated during Profile processing.
Updated	Indicates the number of Target Files that were updated during synchronization of Profile Jobs.
Added	Indicates the number of new files added to Target Folders during synchronization of Profile Jobs.
Deleted	Indicates the number of files deleted (or moved) during synchronization of Profile Jobs.
Current Job Status	This indicator displays the status of the active Job. The indicator may display one of the following: Blackout, Source/Target disconnected (Job name), Connecting to Target Folder (Folder), or Normal.

Pending Event Status	This indicator displays the number of pending items. The indicator may display one of the following: Pending Items (Events: n) (Managed Files: x) or No Pending Items
Current Event Status	This indicator display the status of the events pertaining to Job/Copy thread information or Job automation (such as next scheduled interval, daily timer info etc.). PSError counts are also displayed here. The indicator may display one of the following: Running Items (Job Scans: x) (Copy Threads: y) (Failed Events: z) [PSErrors: w]
Total Transferred	Indicates the the total amount of bytes transferred for the entire running Profile.
Elapsed Time	Indicates the amount of time that has elapsed during the current Profile activity.
Show Advanced/Normal Display	Click on this link to toggle between the Normal and Advanced Run/View PeerSync panels.
Refresh	Click on this link to force a manual reload of the Run/View PeerSync panel and the statistics that are being displayed.

3.1.2 Advanced Display

<p>Jobs Stats</p> <p>To see this panel, click on the Show Advanced Display link at the bottom right corner of the Run/View PeerSync window. The Enable Advanced Display option must be checked in order for this link to be active. The Jobs Stats display is the top panel and contains runtime statistics for all the Jobs configured within the Profile. Clicking on a Job will update the bottom Advanced Run/View PeerSync panel. Click on the All Jobs entry to display all the Job statistics, cumulatively, in the bottom panel.</p>	
#	<p>Represents the automatically assigned Job number for each Job. An icon represents the state of the Job (Green, Yellow, or Red):</p> <p>Green Running with no failed events</p> <p>Yello Warning state indicates the Job is running with w failed events</p> <p>Red Failed connection and/or offline/stopped</p>
Job Name	Lists the unique name for each Job.
Source	Displays the path to the source folder.
Target	Displays the target path.
Last Scan (Status: Duration)	Displays the date and time of the last scan along with a description of the scan state and duration. For example: 11/17/2011 4:28:31 PM (Completed Successfully: 00:06:05)

<p>In Sync</p>	<p>Displays whether each Job is in sync. In order for the In Sync state to be set to Yes, the following criteria needs to be satisfied:</p> <ol style="list-style-type: none"> 1. There should be zero Failed Events 2. The status starts should be Normal (i.e. source/target not disconnected and/or not in a Blackout etc.) 3. The Last Scan (Status: Duration) for the Job has Completed Successfully and does not contain messages 4. There are zero active events for the Job 5. The In Queue stats for the Job starts with [Processing: 0] ==> [Event File: DNE and contains [In Queue: 0 6. The Scan Needed column value is set to No 7. No errors are in the PSError log for the profile. <p>Examples of possible In Sync states:</p> <ul style="list-style-type: none"> • Yes • Yes (As of Last Scan) • Yes (Job Stopped - Manually) • Yes (Job Stopped - Manually; As of Last Scan) • No (Failed Events: 1) • No (See Status for Details) • No (Scan Running) • No (Scan Pending) • No (See Last Scan for Details) • No (Last Scan has Messages) • No (Active Events) • No (Items In Queue) • No (Scan Needed) • No (Scan Running; Items In Queue) • No (Possible global failures - PSErrors: 1) <p>In addition to these states, there are also Yes and No states that reference the FSA and MPC. These states indicate that the File System Analyzer has been used to scan both source and target, the results of which are then compared and an Excel-based diff report is produced. For example:</p> <ul style="list-style-type: none"> • Yes (Validated by FSA and MPC) • Yes (Validated by FSA and MPC with Checksums) • No (FSA and MPC Failed)
<p>Trending</p>	<p>Displays information regarding the trending state of the In Sync column (Up, Down, or Flat). If the number of events within a cycle is 500 or less, the Trending status will be Flat. If the number of events increased by 1,000 or more within a cycle, then the Trending status will be Up. If the number of events decreased by 1,000 or more within a cycle, then the Trending status will be Down.</p>

	<p>Notes:</p> <ol style="list-style-type: none"> 1. The column will show N/A if you have not reached the cycle yet and/or there is no difference in events within the last cycle. 2. The TrendingUpValue and TrendingDnValue items are event differences per second for Processing and In Queue event items from the In Queue stats. 3. To adjust the default values based on desired results (i.e. you may be stuck in the Flat state too often if you are looking for a difference in changes), modify the TrendingDnValue and TrendingUpValue values in the PSDEF.cfg file. <p>[Misc Options] TrendingCycle=60 TrendingUpValue=10 TrendingDnValue=10 TrendingAlwaysShowUpDnValue=0</p>
Next Scan (Run in)	Count down to the next scan for scheduled or interval scans.
Xfer Rate	Determines the transfer rate in megabits per second for each Job. Takes into account the Event Averages rate and Total Transferred and Total Saved bytes (bottom right corner of Run/View PeerSync) to determine the transfer rate for each Job. The more events and the larger the average file size calculated in the Event Averages the more accurate the transfer rate will be. This also shows a cumulative transfer rate for all Jobs.
Bytes	Displays the total number of bytes that were transferred for the specific Job or all the Jobs.
Events	Shows the total number of events detected for the Job or all the Jobs as well as number of active events currently being processed.
Event Averages	Displays the average number of events that occurred per minute. The average size of the events are also noted.
In Queue: Scan	The number of files in queue that are generated by a scan.
In Queue: RT	The number of files in queue that are real-time events.
In Queue	The total number of files in queue. The queue represents the backlock of real-time events for each job. When the queue is empty the In Sync column is set to Yes .
Updated	Counter indicating the total number of files that were updated and their size in bytes.
Added	Counter indicating the total number of files that were added and their size in bytes.
Deleted	Counter indicating the total number of files that were deleted and their size in bytes.
Excluded	Counter indicating the total number of files that were excluded and their size in bytes.

Messages	Counter indicating the total number of messages.
Failed Events	The number of failed events for each Job or all Jobs.
Real-Time	Displays the state of Real-Time detection (On or Off).
Interval Scans	Information when the next interval scan is to occur.
Daily Timer Scans	Information when the next scheduled scan is to occur.
Status	Shows the status of each Job or all Jobs.
Scan Needed	Lets you know if a scan is needed (Yes) or not (No) after a connection failure.
Log File Path	Displays the location of the log file. Used in pop-up menu.

Jobs Stats (Right-Click Pop-Up Menu)	
To see this menu, right-click on the Job Stats panel.	
Select Columns....	Add or remove columns from the Jobs Stats display.
Scan Job:<i>JobName</i>	Issues a one-time scan of the selected Job.
Scan All Jobs	Issues a one-time scan of all the enabled Jobs in the Profile.
Validation	Offers two options to perform an on-demand validation: Validate Now - Runs a validation for the selected job(s) or all jobs. This will launch the File System Analyzer to log all files in both the source and target for each selected job, then compares the results and creates an Excel-based diff report. Validate Now With Checksums - Runs a checksum-based validation for the selected job(s) or all jobs. This will launch the File System Analyzer to checksum all files in both the source and target for each selected job, then compares the results and creates an Excel-based diff report.
Stop Job:<i>JobName</i>	Stop the selected Job without stopping or interrupting any other potentially running Jobs in the Profile.
View Log File	View the log file for the selected Job.
View PSError Log File	View the PSError log file for the profile.
Open Source Folder: <i>Path</i>	Opens the source folder in a Windows Explorer window.
Open Target Folder: <i>Path</i>	Opens the target folder in a Windows Explorer window.
Save As	Saves the current Jobs Stats list into a CSV file format (i.e. PSJobStats.csv).

Reprocess Failed Events	If the Job is running in a Warning state (Yellow), the Job has failed events. Selecting this option will notify PeerSync to re-process any failed events. This option is also available in the Run menu.
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<p>Advanced Run/View PeerSync</p> <p>To see this panel, click on the Show Advanced Display link at the bottom right corner of the Run/View PeerSync window. The Enable Advanced Display option must be checked in order for this link to be active. The Advanced Run/View PeerSync display is the bottom screen. In addition to containing the same information as the Basic Display, the Advanced Display contains the following additional tabs:</p>	
Status	Containing the same information as the Basic Display view/panel.
Updated	Lists the total number of files that were updated for the selected Job or all the Jobs. Right-click and select Save As to export the list into a CSV file format (PSUpdated.csv).
Added	Lists the total number of files that were added for the selected Job or all the Jobs. Right-click and select Save As to export the list into a CSV file format (PSAdded.csv).
Deletions	Lists the total number of files that were deleted for the selected Job or all the Jobs. Right-click and select Save As to export the list into a CSV file format (PSDeleted.csv).
Excluded	Lists the total number of files that were excluded for the selected Job or all the Jobs. Right-click and select Save As to export the list into a CSV file format (PSExcluded.csv).
Messages	Lists the total number of messages for the selected Job or all the Jobs. Right-click and select Save As to export the list into a CSV file format (PSMessages.csv).
Job Scans	Lists how many scans are running at a Job level either for the selected Job or for all the Jobs. Right-click and select Save As to export the list into a CSV file format (PSJobScans.csv).
Managed Files List	Lists the total number of files that are in the Managed Files List for the selected Job or all the Jobs. Right-click and select Save As to export the list into a CSV file format (PSManagedFilesList.csv).
Failed Events	Lists all the failed files for the selected Job or all the Jobs. You can right-click the list and select Reprocess Failed Events to notify PeerSync to re-process them for all the Jobs (not Job specific). To reprocess only a specific file, you can click the Reprocess Selected button from the Failed Events tab within the PeerSync Status Display (when running as an application only). Right-click and select Save

	As to export the list into a CSV file format (PSFaileEvents.csv).
File Copy Progress	Visually displays the file copy progress for each file for the selected Job or all the Jobs. Right-click and select Save As to export the list into a CSV file format (PSFileCopyProgress.csv).
Historical Data	This panel displays a subset of the Job Stats table (Xfer Rate, Bytes and Event Averages) in an hourly, daily, weekly, and total format for all the Jobs or only the selected Job. Furthermore, it displays a Running Event Count, a Running Event Average and Peak Count, and a Running Job Count. Right-click and select Save As to export the list into a CSV file format (PSHistoricalData.csv).
Job Stats and Control	This tab is available from the Advanced Run/View PeerSync panel. It shows the Job Control Bar which allows every Job to be stopped, started, or restarted individually. In addition, this tab displays all Pending Jobs in a grid from where they can be individually selected and started. This tab can also be seen in the PeerSync Status Display panel under the Job Stats and Control tab.
FSA Validation	Lists key statistics gathered by the File System Analyzer for the source and target of each job in the current run. Statistics include the number of included files and bytes, excluded files and bytes, as well as an In Sync column that is updated based on just file counts.
MPC Validation	Lists key comparison statistics for each job in the current run. Statistics include the number of unique files discovered, the number of files that are currently in-sync, the number of missing files, and the number of files that are mismatched based on timestamps, size, and checksum. The In Sync column is based on the results of the full comparison of file names, sizes, last modified times, and optional checksums.

Notes:

For efficiency purposes, only when you click on the screens/tabs within the **Advanced Run/View PeerSync** panel will the values get updated. A **Cache** folder within the PeerSync installation folder maintains the necessary event files that will be loaded into the advanced display screens/tabs.

Command Line Arguments

PeerSync's Command Line Mode offers users the ability to configure a truly "hands-off" installation, where operation and distribution occurs from within an easily manageable, administrative environment. This mode allows Profiles to be executed from logon scripts, system batch (BAT) or command (CMD) files, detailed shortcuts, and shell commands -- while also providing full access to the Profiler features through command line arguments.

Profiles will need to be created through the Profiler first in order to be further modified through the arguments described in this topic (See Profiler Overview and related Help Topics).

Command Line Arguments are entered into a Profile shortcut, created during build through the "Add to Desktop" button found on Profiler's [Startup/Service](#) screen.

Notes:

1. For the command line arguments described in this topic, note that attention is paid to punctuation, to the order in which arguments are entered, and that appropriate spaces are used to separate these arguments. Follow the format outlined in the examples provided.
2. Profile .SNC file names are the only command line variables associated with operation of the Profiler. All other arguments described in this topic are used to configure operation of the PeerSync and its execution of Profiles.

Profiler Command Line Arguments

As noted above, Profile (.SNC) file names are the only variables associated with operation of Profiler. To change an .SNC file name through the command line:

1. Right click the Profile shortcut you created during build (see [StartUp/Service](#), "Add to Desktop" button).
2. Select the "Properties" item from the pop-up menu.
3. Select the "Shortcut" tab. As shown in the following sample, the "Target" field will contain a command line for the Profile, where "Profile One" represents a sample Profile name:
"C:\Program Files\PeerSync\PeerSync.exe" "C:\Program Files\PeerSync\Profile One.SNC" /USEPROFILEARG
4. Manually change the Profile Name to reflect that of the new .SNC file
5. Click the "OK" button

PeerSync Command Line Arguments

The following arguments are appended to the end of the command line followed by a space and forward slash (i.e. **/A**). A space and forward slash are also used to separate each additional argument (i.e. **/A /M**).

☐ **Topics**

[Configuration Arguments](#)

[Performance Arguments](#)

[Reporting and Display Arguments](#)

[Automation Arguments](#)

[Synchronization Arguments](#)

[Real-time Arguments](#)

[Managed Files Arguments](#)

[Bi-directional Arguments](#)

Notes:

1. Any arguments containing spaces must be enclosed by quotes.
2. Some features described on this page may require the [Enhanced Package](#).
3. Command line arguments can also be identified through hints displayed on the Profiler.

4. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any).
5. For more information on the latest features and how to implement specific scenarios please go to our support page at: <http://www.peersoftware.com/support/submit-a-case.html>.

1. Configuration Arguments

Configuration Arguments							
<p>The following arguments are appended to the end of the command line followed by a space and forward slash (i.e. /A). A space and forward slash are also used to separate each additional argument (i.e. /A /M).</p>							
<p><u>/O:Profile</u> Set SNC File to Load (Profile = File): If the /O argument is used in a shortcut or from the command line, PeerSync will load the Job information specified in the file.</p> <p>Examples:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><code>/O:"C:\My SNC\MyBackups.snc"</code></td> <td>Full path to file</td> </tr> <tr> <td><code>/O:MyBackups.snc</code></td> <td>Will use install directory</td> </tr> <tr> <td><code>MyBackups.snc</code></td> <td>Will use install directory (Must be first argument)</td> </tr> </table>		<code>/O:"C:\My SNC\MyBackups.snc"</code>	Full path to file	<code>/O:MyBackups.snc</code>	Will use install directory	<code>MyBackups.snc</code>	Will use install directory (Must be first argument)
<code>/O:"C:\My SNC\MyBackups.snc"</code>	Full path to file						
<code>/O:MyBackups.snc</code>	Will use install directory						
<code>MyBackups.snc</code>	Will use install directory (Must be first argument)						
<p><u>/1:source</u> Set Source Path (source = Folder): If the /1 argument is used in a shortcut or from the command line, PeerSync will use it in conjunction with /2 to define a Source and Target path for a Job.</p> <p>Example:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><code>/1:c:\source /2:c:\target</code></td> <td>c:\source to c:\target</td> </tr> </table>		<code>/1:c:\source /2:c:\target</code>	c:\source to c:\target				
<code>/1:c:\source /2:c:\target</code>	c:\source to c:\target						
<p><u>/2:target</u> Set Target Path (target = Folder): If the /1 argument is used in a shortcut or from the command line, PeerSync will use it in conjunction with /2 to define a Source and Target path for a Job.</p> <p>Example:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><code>/1:c:\source /2:c:\target</code></td> <td>c:\source to c:\target</td> </tr> </table>		<code>/1:c:\source /2:c:\target</code>	c:\source to c:\target				
<code>/1:c:\source /2:c:\target</code>	c:\source to c:\target						
<p><u>/C:cfile</u> Load Alternate Configuration File (cfile = File): If the /C argument is enabled, PeerSync will use the values specified in cfile for synchronization information instead of using the default configuration file: PSDef.cfg which is located in the install directory.</p> <p>Example:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"><code>/C:C:\PeerSync\configs\altconfig.cfg</code></td> <td>Use alternate configuration file</td> </tr> </table>		<code>/C:C:\PeerSync\configs\altconfig.cfg</code>	Use alternate configuration file				
<code>/C:C:\PeerSync\configs\altconfig.cfg</code>	Use alternate configuration file						
<p><u>/USEPROFILEARG</u> Use Arguments from Profile: If the /USEPROFILEARG argument is used in conjunction with a /O:Profile, PeerSync will use the arguments specified in Profile, for synchronization. By default, when you create a shortcut on the desktop or in the startup folder from the StartUp Options screen this argument is used.</p>							

Notes:

1. Any arguments containing spaces must be enclosed by quotes.

2. Command line arguments can also be identified through hints displayed on the Profiler.
3. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any).
4. For more information on the latest features and how to implement specific scenarios please go to our support page at: <http://www.peersoftware.com/support/submit-a-case.html>.

2. Performance Arguments

Performance Arguments																								
<p>The following arguments are appended to the end of the command line followed by a space and forward slash (i.e. /A). A space and forward slash are also used to separate each additional argument (i.e. /A /M).</p>																								
/GE:x	<p>Set Shared Process Delay: The /GE argument is used to set the shared process delay to allow more/less CPU utilization. This value ranges from 0 -10 where 0 (less CPU) will use the most delay and 10 (more CPU).will use the least amount of delay.</p>																							
/GK:x	<p>Copy Thread Utilization: If the /GK argument is enabled, PeerSync will allow up to x threads to watch the queue that manages changes allowing for increased Copy Thread utilization.</p>																							
/GP:x	<p>Set Email Threads: If the /GP argument is enabled, PeerSync will allow up to x threads to be used for email tasks.</p>																							
/LK:x	<p>Set Multitasking Delay: The /LK argument is used to adjust the delay during multitasking. This value may be set between 1 and 10 where 10 is the highest amount of delay and 1 is the least amount of delay. The default value is 4.</p>																							
/LN:x	<p>Set Processor Affinity: If the /LN argument is enabled, PeerSync will allow you to limit which CPUs to use in a multi-processor environment, where each CPU is represented by 2 to the x value:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">/LN:1 = Use CPU 1</td> <td style="width: 50%;">/LN:16 = Use CPU 5</td> </tr> <tr> <td>/LN:2 = Use CPU 2</td> <td>/LN:32 = Use CPU 6</td> </tr> <tr> <td>/LN:4 = Use CPU 3</td> <td>/LN:64 = Use CPU 7</td> </tr> <tr> <td>/LN:8 = Use CPU 4</td> <td>/LN:128 = Use CPU 8</td> </tr> </table> <p>Examples:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">/LN:1</td> <td style="width: 40%;">Use CPU 1</td> <td style="width: 30%;"></td> </tr> <tr> <td>/LN:3</td> <td>Use CPU 1, CPU 2</td> <td>(/LN:1 + /LN:2 = /LN:3)</td> </tr> <tr> <td>/LN:4</td> <td>Use CPU 3</td> <td></td> </tr> <tr> <td>/LN:5</td> <td>Use CPU 1, CPU 3</td> <td>(/LN:1 + /LN:4 = /LN:5)</td> </tr> <tr> <td>/LN:15</td> <td>Use CPU 1, CPU 2, CPU 3, CPU 4</td> <td>(/LN:1 + /LN:2 + /LN:4 + /LN:8 = /LN:15)</td> </tr> </table> <p>Note: By default all CPUs will be used.</p>	/LN:1 = Use CPU 1	/LN:16 = Use CPU 5	/LN:2 = Use CPU 2	/LN:32 = Use CPU 6	/LN:4 = Use CPU 3	/LN:64 = Use CPU 7	/LN:8 = Use CPU 4	/LN:128 = Use CPU 8	/LN:1	Use CPU 1		/LN:3	Use CPU 1, CPU 2	(/LN:1 + /LN:2 = /LN:3)	/LN:4	Use CPU 3		/LN:5	Use CPU 1, CPU 3	(/LN:1 + /LN:4 = /LN:5)	/LN:15	Use CPU 1, CPU 2, CPU 3, CPU 4	(/LN:1 + /LN:2 + /LN:4 + /LN:8 = /LN:15)
/LN:1 = Use CPU 1	/LN:16 = Use CPU 5																							
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/LN:8 = Use CPU 4	/LN:128 = Use CPU 8																							
/LN:1	Use CPU 1																							
/LN:3	Use CPU 1, CPU 2	(/LN:1 + /LN:2 = /LN:3)																						
/LN:4	Use CPU 3																							
/LN:5	Use CPU 1, CPU 3	(/LN:1 + /LN:4 = /LN:5)																						
/LN:15	Use CPU 1, CPU 2, CPU 3, CPU 4	(/LN:1 + /LN:2 + /LN:4 + /LN:8 = /LN:15)																						
/MCT:x																								

Set Copy Threads: If the **/MCT** argument is enabled, PeerSync will allow up to **x** file copy threads to be spawned for file copy tasks. These copy threads will be shared by one or more Jobs during the synchronization process.

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/MFT:x

Set Job Threads: If the **/MFT** argument is enabled, PeerSync will allow up to **x** Job threads to be spawned for managing Job tasks.

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/OPTIMIZE

Optimize Performance: If the **/OPTIMIZE** argument is enabled, PeerSync will disable status screen windows used for outputting status information. This will minimize memory allocation for the User Interface.

/PERFORMANCE:x

Set Application Priority: If the **/PERFORMANCE** argument is enabled, PeerSync will set the application's priority based on the following value of **x**

- 0:** Lowest Priority
- 1:** Below Average Priority
- 2:** High Priority.

Notes:

1. This item is selectable from the Profiler via the [Options/Commands Screen](#).
2. If the **/PERFORMANCE** argument is not used, PeerSync will use a default priority.
3. When setting the Application Priority to High, PeerSync will use more than average CPU, you may want to use the [Set Processor Affinity](#) argument in this scenario.

/YK:n

Set Real-time Copy Thread Pool: Used to set the percentage of Copy Threads to reserve for Real-Time events, where **n** can be set between the values of 1 and 99. The default value is 10.

/YX:n

Set File Read/Write Buffer Delay: Used to set a delay in **n** milliseconds between each file read/write cycle to allow the limiting of CPU usage and system resources during file transfers. The higher the delay value, the less CPU used but the slower the performance or speed of PeerSync.

/QR

Exclude Common Job Exceptions in Event Processing: Checks the global exclusions before file hits such as before event processing and before adding the event to the visual list. This option creates a global file exclude list based on the file exclude list from all the Jobs. The filter applies to real-time add and update events. Since they are applied early in event processing there are no log entries for these exclusions. Remove the **/QR** option to achieve logging.

/Q70

Exclude Common Job Exceptions in Event Processing for FPolicy Jobs Only: This argument is the equivalent of the [/QR](#) option but applies to FPolicy Jobs only. In the user interface, set the [Exclude Extensions](#) list to **%AUTO%** to achieve the same result.

/Q70:s

Exclude Extensions: Provide a list of comma (,) delimited file extensions to exclude when using NetApp FPolicy detection during scans or in real-time. This can be done in the user [interface](#) or via the command line. Use **/Q70:s**, where **s** represents the comma (,) delimited list of extensions to exclude (i.e. /Q70:tmp,dwl,dwl2).

/Q7-s

Exclude Volumes: Provide a list of comma (,) delimited volumes to exclude when using NetApp FPolicy detection during scans or in real-time. This can be done in the user [interface](#) or via the command line. Use **/Q7-s**, where **s** represents the comma (,) delimited list of volumes to exclude (i.e. /Q7-vol3,vol4).

/Q7+s

Include Volumes: Provide a list of comma (,) delimited volumes to include when using NetApp FPolicy detection during scans or in real-time. This can be done in the user [interface](#) or via the command line. Use **/Q7+s**, where **s** represents the comma (,) delimited list of volumes to include (i.e. /Q7+vol1,vol2).

Notes:

1. Any arguments containing spaces must be enclosed by quotes.
2. Command line arguments can also be identified through hints displayed on the Profiler.
3. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any).
4. For more information on the latest features and how to implement specific scenarios please go to our support page at: <http://www.peersoftware.com/support/submit-a-case.html>.

3. Reporting and Display Arguments**Reporting and Display Arguments**

The following arguments are appended to the end of the [command line](#) followed by a space and forward slash (i.e. /A). A space and forward slash are also used to separate each additional argument (i.e. /A /M).

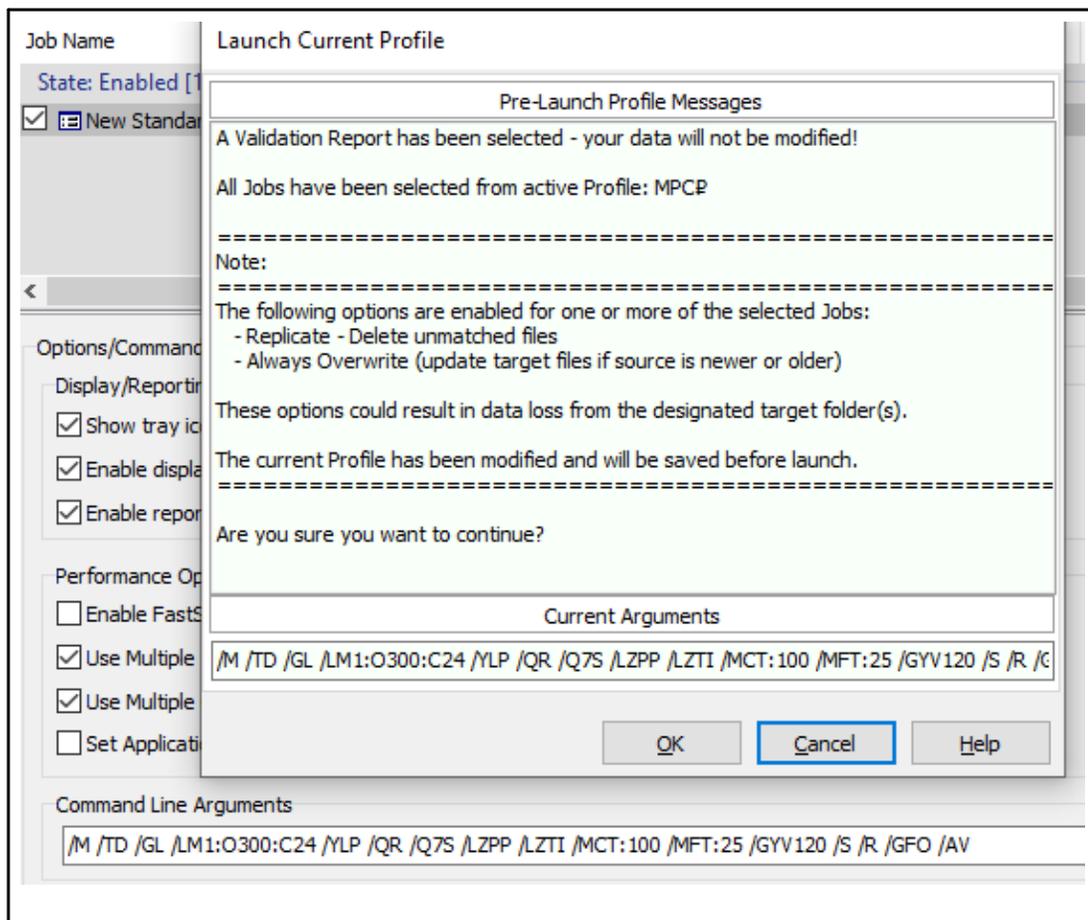
/AP

Run Pre-Sync Report: If the **/AP** argument is used a **Pre-Sync Report** will be generated and files/folders will not be synchronized. If you add an **O** to the **/AP** then the previous Pre-Sync report will be **Over written**, if you exclude the **O** then the file will be appended to an existing Pre-Sync report. If you add an **S** to the **/AP** then the Pre-Sync report will be **Shown** at the end of the run (i.e.: **/AP, /APO, /APOS or /APS**).

/AV

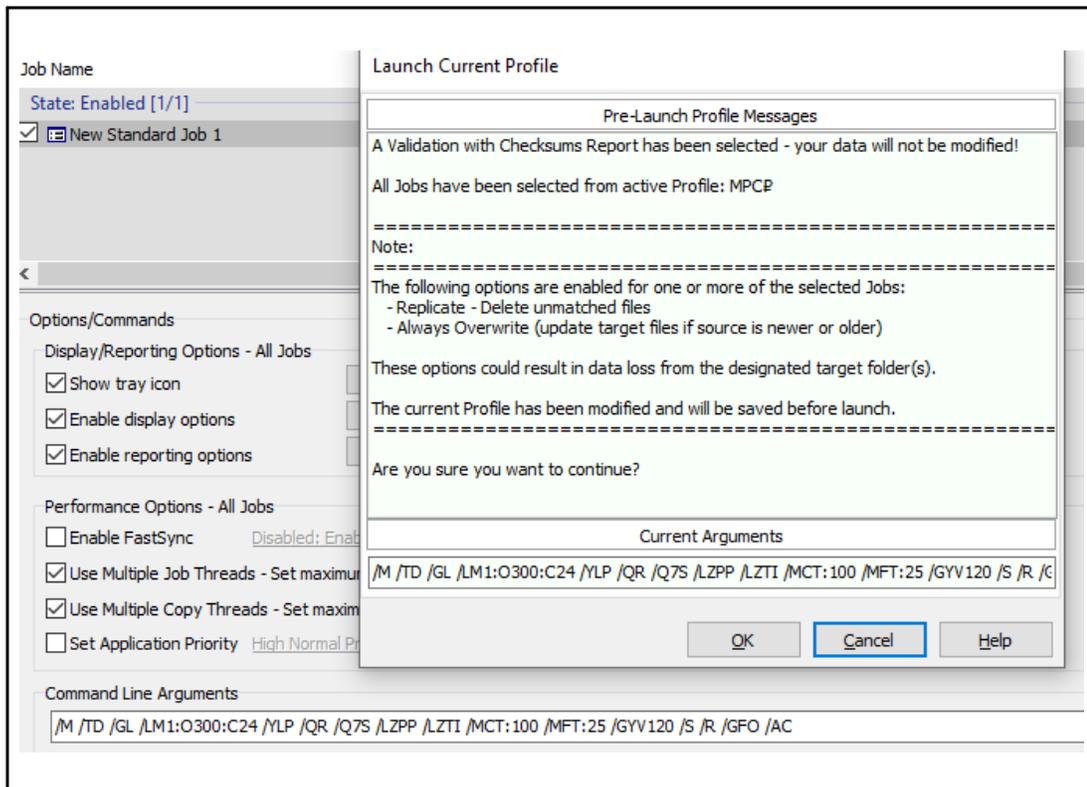
Run Post-Sync Validation Report: If the **/AV** argument is used, a **Post-Sync Report** will be generated, comparing the contents of your source and target paths based on file sizes and last modified times.

When /AV is added to the command line, you will see the following pre-launch message:

**/AC**

Run Post-Sync Validation Report with Checksums: If the **/AC** argument is used, a **Post-Sync Report** will be generated, comparing the contents of your source and target paths based on file content checksums.

When **/AC** is added to the command line, you will see the following pre-launch message:

**/GL[S]**

Display status in Profiler: If the **/GL** argument is used, PeerSync will open the Profiler, if it is not already open, and send status messages to be displayed on the [Run/View Current Profile Activity](#) screen using mail slot messaging to communicate with the Profiler. By adding an **S** you can suppress the initial connection of PeerSync to the Profiler upon activation of PeerSync.

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/GM:x

Enable MSMQ messaging: If the **/GM** argument is used, PeerSync will use **x** as the location to manage messages in the queue.

Example: /GM:DIRECT=TCP:209.51.171.142\PRIVATE\$MYQUEUE

/GO[F:y][C:group]

Enable Peer Administrator Broadcasts: If the **/GO** argument is used, PeerSync will use mail slots to broadcast activity across the LAN to the Peer Administrator utility for the centralized viewing of all PeerSync activity on the network. You can launch the Peer Administrator utility, if it is installed/available from the [View](#) Menu.

y: Identifies the number of seconds between each broadcast. The default is 3 seconds.

group: Identifies a group for the current Profile. The default is the Profile Name.

Example: /GOF:5C:MyProfiles Enabled and broadcasted every 5 seconds with a group name of

/GQ:[file][maxsize]

Create and Append Summaries into One Report: If the **/GQ** argument is used, PeerSync will append summaries into one log file.

<p><u>/GR</u> Report Non Standard Events: If the /GR argument is used, PeerSync will report non - add,update, and delete actions.</p>								
<p><u>/GS:x</u> Enable Summary Statistics Collection: If the /GS argument is used, PeerSync will use x as the file location to save summary statistics.</p>								
<p><u>/H</u> Hide Splash Screen: Available through all registered versions of PeerSync, this argument will suppress and hide the splash screen from the Taskbar for both the PeerSync and Profiler applications.</p>								
<p><u>/H-</u> Only Hide the about screen: Available through all registered versions of PeerSync, this argument will suppress and hide the About screen for both the PeerSync and Profiler applications.</p>								
<p><u>/H+</u> Skip setting of main form visible: Available through all registered versions of PeerSync, this argument will no set the main form visible and always hide the application from the Taskbar for both the PeerSync and Profiler applications.</p>								
<p><u>/LSE</u> Log Service Events to the Event Viewer: If the /LSE argument is used, PeerSync will log events to the Event Viewer. The following options are available for this argument:</p> <table> <tr> <td>/LSEE</td> <td>Log messages as errors</td> </tr> <tr> <td>/LSEEW</td> <td>Log messages as warnings</td> </tr> <tr> <td>/LSEEM</td> <td>Only log messages and log them as errors</td> </tr> <tr> <td>/LSEEW</td> <td>Only log messages and log them as warnings</td> </tr> </table>	/LSEE	Log messages as errors	/LSEEW	Log messages as warnings	/LSEEM	Only log messages and log them as errors	/LSEEW	Only log messages and log them as warnings
/LSEE	Log messages as errors							
/LSEEW	Log messages as warnings							
/LSEEM	Only log messages and log them as errors							
/LSEEW	Only log messages and log them as warnings							
<p><u>/M</u> Show Tray Icon: If the /M argument is used, PeerSync will display an icon in the system tray for PeerSync.</p> <p>Note: This item is selectable from the Profiler via the Options/Commands Screen.</p>								
<p><u>/PROGRESS</u> Display status in PeerSync: This feature will show the PeerSync Status Display dialog box during synchronization so the user can see activity, status and other information while PeerSync is running.</p> <p>Note: This item is selectable from the Profiler via the Options/Commands Screen.</p>								
<p><u>/SNMP</u> Enable SNMP Error Reporting: If the /SNMP argument is used, PeerSync will use SNMP reporting to report any errors that occur during the synchronization process.</p>								
<p><u>/TD</u> Display status in PeerSync upon completion: This feature will have PeerSync show the PeerSync Status Display dialog box at the end of synchronization (only in non-persistent modes) so the user can see activity, status and other information upon completion.</p> <p>Note: This item is selectable from the Profiler via the Options/Commands Screen.</p>								

/YL

Log Messages Only to a Log File by Filter and/or by Profile: If the **/YL** argument is used, PeerSync will log messages only to a log file based on the Filter and/or Profile. The following options are available for this argument:

/YL	Log messages for Both
/YLF	Log messages by Filter Only
/YLP	Log messages by Profile Only

When logging by Filter (**/YL** or **/YLF**), the Filter message log file will reside in the same directory as the primary log file, with the same file name as the primary log file but with a "**ft.log**" file extension.

When logging by Profile (**/YL** or **/YLP**), the log file will reside in the same directory as the Profile, with the same file name as the Profile but with a "**snc.log**" file extension.

/QP

Don't Display Job Stats: If the **/QP** argument is used, PeerSync will not display any Job statistics in the Status Display window. Disabling this option reduces the amount of overhead work PeerSync is doing.

/QY7

XML File Creation Interval: By default PeerSync stores Profile and Job related statistics into an easily readable XML files on an interval of every 60 seconds (if applicable) as well as during the completion of a Job scan. This interval can be adjusted using the **/QY7:n** command line argument where n represents the interval in seconds of how often you want PeerSync to update the Profile related XML statistics.

/QY7:(T-)(C-)(A-)(n)

n	(Interval to write out statistics (60 is the default))
T	(Suppress .tot file creation)
-	
C	(Suppress .cur file creation)
-	
A	(Suppress all XML file creation and new logic for tracking file extensions)
-	

/YB:x

Disable Tray Icon Menu Items: If the **/YB** argument is enabled, PeerSync will allow you to limit which **Tray Icon** menu items to be disabled, where each menu item is represented by 2 to the **x** value.

	VALUES	Disable Menu Item
View Log File ▶	/YB:1	View Log File
View Message Log file ▶	/YB:2	View Message Log file
View Admin Folder ▶	/YB:4	View Admin Folder
Open Source Folder ▶	/YB:8	Open Source Folder
Open Target Folder ▶	/YB:16	Open Target Folder
Show Status Display	/YB:32	Show Status Display
✓ Connect/Launch PeerSync Profiler	/YB:64	Connect/Launch PeerSync Profiler
Re-Load Profile	/YB:128	Re-Load Profile
About PeerSync	/YB:256	About PeerSync
Exit PeerSync	/YB:512	Exit PeerSync

Note: To disable multiple menu items simply add the **/YB** values together for the items you wish to disable.

EXAMPLES

/YB:512 Disables the **Exit PeerSync** menu option

/YB:24 Disables the **Open Source Folder** and **Open Target Folder** options
8+16=24

/YB:767 Disables All Menu Options except **About PeerSync**
1+2+4+8+16+32+64+128+512=767

/QP
Disable Job Stats: If the **/QP** argument is enabled, the **Job Stats** option will be unchecked, resulting in no Job statistics being shown in the PeerSync Advanced Display panel.

/Q8BJ+
Enable Job Scans Tab: If the **/Q8BJ+** argument is set, a **Job Scans** tab will be created in the Advanced Run/View PeerSync panel showing Base/Root, Enhanced/Expanded, and RT/Sub-folder scans with statistics and progress for all the Jobs or the selected Job.

/QQ
Enable the File Copy Progress Tab: If the **/QQ** argument is set the **File Copy Progress** tab will be created in the Advanced Run/View PeerSync panel to show the progress of a file transfer. This feature requires the [Multi-Threading Option](#).

/Q8BH+
Enable the Historical Data Tab: If the **/Q8BH+** argument is set, the Historical Data tab will be shown in the Advanced Run/View PeerSync panel. This tab contains a subset of data from the PeerSync Jobs Stats panel (Xfer Rate, Bytes and Event Averages) and is broken down into total, hourly, daily, and weekly statistics for all the Jobs or only the selected Job.

/QQ<<

Disable the Show Advanced Display link at the bottom right corner of the [Run/View PeerSync](#) screen.

/Q7O

Share Migration reporting levels: The default behavior with no arguments is to report Share Errors, Share Totals, Share Actions and Share Permission Errors.

/Q7OR-	Report Share Errors and Share Totals only
/Q7OR	Report Share Errors, Share Totals, Share Actions, Share Permission Errors and Extended Share Information
/Q7OR+	Report Share Errors, Share Totals, Share Actions, Share Permission Errors, Extended Share Information, Get and Set of Shares, Share Permission Matches and Share Permission Skips
/Q7OR++	Share Errors, Share Totals, Share Actions, Share Permission Errors, Extended Share Information, Get and Set Share Information, Share Permission Matches, Share Permission Skips and Share Permission Actions
/Q7OV	Report source and target system information
/Q7O-	Use previous Share Migration Logic from v9.0
/Q7OR- -	Same as /Q7OR- and disables share migration starting information
/Q7OI-	Disable share migration starting information
/Q7OE	Report all activity at the end of share migration, instead of during

/Q8B:

In Queue Display Options: Track pending events at the Job level and help determine if a Job is in sync.

Q+	Enable real-time stats (including RT Scans: x/y where x is RT Scans Pending and y is RT Scans Running)
Q-	Disable collection of RT Scan stats
Q++	Get the file size for RT Stats and display Bytes. This option may decrease performance. If this is disabled (i.e. no Q++ switch in /Q8B) then bytes will show as N/A
Q>	Enable scan stats. This option may slightly decrease performance
R+	Track and display In Queue Retries
M+	Track and display In Queue Managed Files
>>	Enable all Scan, RT, Retry and Manged Files stats, as well as other debug stats
or	
>>>	

Notes:

1. Any arguments containing spaces must be enclosed by quotes.
2. Command line arguments can also be identified through hints displayed on the Profiler.
3. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any). For more information on the latest features and how to implement specific scenarios please goto our support page at: <http://www.peersoftware.com/support/submit-a-case.html>

4. Automation Arguments

Automation Arguments

The following arguments are appended to the end of the [command line](#) followed by a space and forward slash (i.e. /A). A space and forward slash are also used to separate each additional argument (i.e. /A /M).

/A

Scan at Start: If the /A argument is appended to the command line, the Profile can be run through its associated shortcut. As non-persistent processes, Automatic Operations are run a single time upon manual initiation by the user.

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/D(H):x

Delay Start of Profiler: If this argument is used, PeerSync will delay the load/start of PeerSync by **x** seconds. With this option enabled synchronization can be canceled via a dialog box if done within the designated interval. For example, /D5 would provide you with a 5 second delay during which the operation can be canceled. If the /D argument includes an **H**, i.e. /DH60, then the delay timer dialog will be hidden. This argument is useful for allowing PeerSync to begin after other applications have been loaded if you are running PeerSync at Windows startup.

/R[OyCz]

Real-time Monitoring Argument: The /R argument activates Real-Time Mode. The Oy and Cz arguments are optional and specify the following retry values during Real-Time Mode:

y = The retry count if the file is open or network is unavailable

z = The retry count maximum

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/S

Run Scheduled Operation: The /S argument enables or disables Scheduled Operation Mode for the entire Profile. This feature must be selected in order for all Scheduled Operations set for individual Jobs to be recognized. Scheduled Mode does not apply a global schedule to the entire Profile: rather, it enables those schedules set for all individual Jobs on to run at their specified intervals.

All Scheduled Operations set for individual Jobs will be ignored if this mode is not selected. If none of the Jobs within a Profile are set for Scheduled Operation and this mode is selected, all active Jobs within the Profile will be assigned a default synchronization schedule of five minutes.

/Sx

Synchronization Timer Argument: The /Sx option is used to run PeerSync automatically at regular intervals. This argument sets PeerSync to synchronize the selected Profile every **x** minutes. Through this feature PeerSync remains persistent and will not terminate upon completion.

Examples: /S10

Synchronization will be performed every 10 minutes

/TIME

Daily Timer: This argument will allow for scheduling of PeerSync for specific times of the day down to the minute for selected days of the week and selected Jobs within a Profile. If you use a /TIMEF argument all selections at the Job level from the [Automation](#) screen will be used. You can also specify Global Daily Timer selections for the entire Profile from the [Options/Commands](#) Screen or by using the following format:

1. Select the time of day (by default all Jobs will be run all days)

/TIME:HH:MM

Where HH is replaced with the value of 00-23 in military time and MM is replaced with 00-59 in minutes

Examples:

Every Day at /TIME:00:00
 12:00 am: /TIME:01:00
 Every Day at /TIME:08:00
 1:00 am: /TIME:12:00
 Every Day at /TIME:20:00
 8:00 am:
 Every Day at
 12:00 pm:
 Every Day at
 8:00 pm:

2. (Optional) - To select the days of week to run append the following:

D:SMTWTFs where the days are substituted with 1 (On) and 0 (Off)

Sunday: D:1000000
 Monday: D:0100000
 Tuesday: D:0010000
 Wednesday: D:0001000
 Thursday: D:0000100
 Friday: D:0000010
 Saturday: D:0000001

Examples:

M, W & F at /TIME:08:00D:0101010
 8:00 am: /TIME:17:15D:1000001
 Sat & Sun at /TIME:03:30D:0111110
 5:15 pm:
 Mon - Fri at 3:30
 am:

3. (Optional) - To select the Jobs to run append F:f1;f2;f3

Where f1-fn are the Job numbers.

Examples:

Job 1 Every day /TIME:06:00F:1
 at 6:00 am: /TIME:20:25F:1;2;3;4;5
 Jobs 1 - 5 Every /TIME:03:30D:0111110F:1;3;5
 day at 8:25 pm:
 Jobs 1, 3 & 5
 Mon - Fri at 3:30
 am:

Note: Will accept multiple command lines.

Example:

Job 1 Every day at 8:00 am, Jobs 1 - 5 Every day at 8:25 pm and Jobs 1, 3 & 5 Mon - Fri at 3:30 am
 /TIME:08:00F:1 /TIME:20:25F:1;2;3;4;5 /TIME:03:30D:0111110F:1;3;5

Sample:

Complete command line to run PeerSync with Test.snc, all Jobs, at 3:00 am Mon -Fri, (M)inimized on the tray.
 "C:\Program Files\PeerSync\PeerSync.exe" "C:\Program Files\PeerSync\test.snc" /TIME:3:00D:0111110 /M

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/UDD

Use Device Driver method: This argument uses of the Windows NT device driver for real-time detection. When using this argument PeerSync can detect changes made to remote Source folders but only when the changes are made by the machine where PeerSync is installed.

/<

Applications to Ignore: If using the Device Driver method for Real-Time detection you can select applications to ignore by appending application names (semicolon delimited) to the /< argument.

Example: /<Explorer.exe;Word.exe Will ignore any Real-Time changes made by Explorer.exe and Word.exe.

Note: When using this option and monitoring a remote Source folder, the [Transfer NT security descriptions \(ACLs\)](#) is ignored in Real-Time.

/X

Disable Initial Synchronization During Startup: The /X command line argument disables initial synchronization during /A /M /R operations at PeerSync startup.

/Q0

Save Events Options: On close of a Profile, if there are failed, pending, and/or running events, a dialog will prompt the user to store the events and process them on restart. The following options can be configured:

/Q0 Do not prompt the user.
/Q0+ Always prompt the user.
/Q0? (Default) Ask only if running as an application and off as a service.
/Q0S+ Ask only if running as an application and on as a service.

Notes:

1. Any arguments containing spaces must be enclosed by quotes.
2. Command line arguments can also be identified through hints displayed on the Profiler.
3. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any).
4. For more information on the latest features and how to implement specific scenarios please go to our support page at: <http://www.peersoftware.com/support/submit-a-case.html>.

5. Synchronization Arguments**Synchronization Arguments**

The following arguments are appended to the end of the [command line](#) followed by a space and forward slash (i.e. /A). A space and forward slash are also used to separate each additional argument (i.e. /A /M).

/GC:x

Set File Comparison Value: If the /GC argument is used, PeerSync will add x seconds to the Target File date and time stamp to use during comparison.

/GD:n,z:n,z

Set Job Comparison Delta: If the **/GD** argument is used, PeerSync will add or subtract z seconds from the Target File date and time stamp during a comparison for Job number n.

Example: **/GD:1,+30:2,-60:**

/GF

Use Alternate Copy File Methods: The following copy file methods may be invoked:

/GFC Use CopyFile API method

/GFS Use File Stream method

/GFE Use CopyFileEX method

/GFA Transfer Alternate Data Streams - The same functionality can be used at a Job level by using the SETVAR INCLUDEALTFILESTREAMS switch in the [Pre/Post](#) paths.

/GI(S)(D)

Ignore File Size and/or Date Comparison: If the **/GI** or **/GIS** argument is used, PeerSync will ignore file size during folder scans (if date matches then skip file). If the **/GID** argument is used, PeerSync will ignore file date comparison during folder scan (if size matches then skip file). If the **/GISD** argument is used, PeerSync will ignore file date and size comparison during folder scan (always replace Target file even if they are identical).

/GT

Get Remote PC Time: If the **/GT** argument is used, PeerSync will attempt to get the time from the Target PC as well as the local PC and automatically compensate for time differences.

Note: **/GT** is only applicable in an NT/2K Environment

/GX

Use Delete Path for Revisions: If the **/GX** argument is used, PeerSync will use the deletions path for all PSBAK revision files.

/I

Ignore Target Space During File Copy: The **/I** argument sets PeerSync to ignore Target space available during file copy.

/J

Move Files: If the **/J** argument is used, PeerSync will move files - deleting them from the Source after they have been successfully transferred.

/KA:x

Active Connection Interval: If the **/KA** argument is used, PeerSync will attempt to connect every x minutes to Target machine(s).

/LH:x

Set Deletion Move To Folder Cleanup Interval: If the **/LH** argument is used, PeerSync will check the Move To Folder (the folder where deleted files are move to), every x minutes to see if files needed to be deleted on the cycle specified by the [Delete unmatched Target Files older than x days](#) option.

/LI[R|T|A]

Target In-Use Replacement: If the **/LI** argument is used, PeerSync will perform the following operation if Target File is unavailable:

R	Force rename of open Target File
T	Force terminate of open Target File application
A	Force terminate of all open Target applications
/LM:xOyCz	
Set Failed Connection Timer: If the /LM argument is used, PeerSync will use the following variables to determine retry frequency:	
x	Approximate time, in minutes, for retry of failed connection (time may vary as much as a few minutes).
y	Frequency to retry files
z	Maximum Retry Count
Example: /LM5O25C100	Checks failed connections every 5 minutes, retries files every 25 seconds, to a maximum retry count of 100.
Note: This item is selectable from the Profiler via the Options/Commands Screen .	
/LMD	
Disable Failed Connection Timer: If the /LMD argument is used, PeerSync will not check for failed connections:	
Example: /LMD	Does not check for failed connections.
Note: This item is selectable from the Profiler via the Options/Commands Screen .	
/LR:file	
Run application at start of PeerSync: If the /LR argument is used, PeerSync will execute an application or shell script specified by file at the initialization of PeerSync.	
Example: /LR:C:\WINNT\notepad.exe	
/LW	
Enable Last Access Compare: The /LW argument allows you to use the last access date/time instead of the modified date/time for comparisons to determine file updates.	
/NODELFLDR	
Do not delete folders: If the /NODELFLDR argument is used, PeerSync will not delete folders during synchronization.	
/O	
Set Target File Overwrite: The /O argument sets Target File overwrite on all Jobs.	
/QB	
Use Full Access File Copy: If the /QB argument is used, PeerSync will only copy files it can gain full access to during synchronization.	
/QFn	
Shadow Time Range: This argument will use an n second time range for file time stamps during comparison. If the Source and corresponding Target File time stamps fall in the range then the file time stamps will be seen as equal.	
n = Time in seconds	
Note: /QF:1 is equivalent to a value between 1 to 3 seconds depending on the file systems being used.	
/QF[+][++][+++]	

Precision Comparison: Use this argument to remove minutes, seconds, or milliseconds from files during comparison.

/QF+ Removes/ignores the milliseconds 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, seconds, and minutes from both the source and target file time stamps during comparison

/QG

Always use the local machine time for the Last Run Time: If this argument is used, PeerSync will always use the local machine time for the Last Run Time, instead of using the minimum time of the Source and Target machines involved in the synchronization.

/QH:n

Force Flush File Buffers: Forces the file data that has been written across the network to be fully committed to disk before continuing. The Interval **n** is the number of buffers worth of data to write before forcing a disk write of the data, if **n** is not used the default is 100 cycles.

Note: This is expected to naturally occur without this argument, but on some systems across slower networks it is necessary to force the commit of data to correctly gauge process of writing the file.

/QHD

Direct Disk Write: Forces the file data that has been written across the network to be fully committed to disk before continuing. This will occur for each buffer worth of data that is transferred.

Note: You may use this argument or the **/GFC** option to resolve Windows "Delayed Write Failed..." messages.

/QI:ext

Ignore Matching/Locked File Extensions: This argument will ignore an add/update of a file, if a matching file with the same base name and the specified extension **ext** exists.

Example: /QI:dwl

Note: One instance of this example is if a file called MyFile.dwg is updated it will be excluded from synchronization while MyFile.dwl exists.

/QJ:str

Ignore Matching/Locked File Postfix Replacement: This argument will ignore an add/update of a file, if a matching file with the same base name with the specified postfix replacement **str** exists.

Example: /QJ:~\$

Note: One instance of this example is if a file called MyDocument.doc is updated, it will be excluded from synchronization while ~\$Document.doc exists.

/T

Terminate All Instances of PeerSync: The **/T** argument terminates all running instances of PeerSync, including itself.

/VRBn

Verify User-Name: If the **/V** argument is used, PeerSync will verify logged on User-Name defined in the local user file list, specified by the following options:

R	Require user to be in the user file list
B	Bypass the request to add to list dialog
n	Maximum number of user allowed
/W:x	Set Queue Directory Change Count: If the /W argument is used, PeerSync will set queue directory change count, events to wait for action x.
/WPFIX	Disable application associated with active file synchronization: When a file is being synchronized, this option searches all active windows on the desktop for a caption that contains the path/filename of the active file. PeerSync then disables the active application in one of two ways. The command lines /WPFIX or /WPFIX2 disables the entire application and /WPFIX1 disables the save toolbar and file menu save item. (This option also verifies that the word "WordPerfect" is in the caption before disabling). Both options will append "(Synchronizing)" to the existing caption and when the file is synchronized, the caption will be restored.
/YC:x	Folder Queue Watch Interval: Change the default timer interval for checking the folder queue to x seconds (the default is .5 seconds). Example: /YC:3
/YD	Allow Replication During Dynamically Created Jobs: This argument will allow dynamically created Jobs (i.e. Job scans triggered by Folder Additions) to use the replicate option.
/YF:ext1;ext2;extn	Partial Locked File Extensions List: This argument is used for file types that are partial locked when open by other applications (i.e. Outlook PST files). If the /YF argument is used, and Volume Shadow Copy Service (VSS) is enabled PeerSync will always process files with the specified extensions as though they are open and locked files. If VSS is not enabled, then PeerSync will pre-scan the files to ensure complete access before file copy. PST files are included in this list by default and can be changed via this command line. Example: /YF:.pst;.dba;
/YN	Use Network Password Dialog: If the /YN argument is used, PeerSync will display a network password dialog if you do not have right to access the Source or Target Folder.
/YR	Delete Empty Source Folders After Move: This argument will delete all empty Source Folders after a synchronization scan when using the Move Files - Delete Source File after successful copy to Target option.
/YV	Do Not Validate Connections Before Profile is Loaded: This argument will not try to validate Source and Target Folder connections during the load of a Profile. It will assume that the connections will be available upon start of each Job. This option is useful if you are running a Pre Process that will establish a connection and/or create a Source or Target Folder. This argument should be used when using the /LJP (Always Run Post Process) argument or when needing to dynamically create the source and or target paths.

/Z:ext1;ext2;extn

Ignore Open File Extensions: If the **/Z** argument is used, PeerSync will ignore files with the specified extensions that are currently opened where the full name of the file is displayed in the caption of another window. This argument may be ignored if Multiple Job or multiple copy threads are enabled.

Example: **/Z:.wpd;.txt;**

/LJU:x

Exclude Folders that have a Reparse Point: By default PeerSync will exclude folders that have a Reparse Point object, which are common in Windows Vista. Use this argument to alter this behaviour:

/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

/LJP

Always Run Post Process: If the **/LJP** argument is used, PeerSync allows for the ability to process [Post](#) commands even if the Job fails. This argument is useful for non persistent Profiles that need to execute or start other processes regardless whether or not its Job was able to run. This argument should be used in conjunction with the **/YV** command which allows for the Profile to be loaded before the source and target folder(s) are validated.

/LX:R

Listener Alternate Route Path: Adding this option will create an **Edit: Listener Alternate Route Path** option when right-clicking on either the Source or Target folder selection paths. This creates and opens a file called %PROFILENAME%.psl in the Profiles directory used to configure alternate route(s) for the PSLlistener. Here is an example of what the content of the %PROFILENAME%.psl file should look like:

```
[LISTENER]
NetAppA=Win2008A
NetAppB=Win2008B
```

The first column contains the name or IP address of the remote non-Windows server. The second column lists the name or IP address of the Windows server where the PSLlistener is running.

/LZS|A|S|I-|I+|T-|T+|WN

Compare and Set File Attributes from Windows to NetApp: Arguments to support the comparing and setting of file attributes from Windows to NetApp.

- A** Includes fixes to check for the **I** attribute to see if the setting of attributes was successful and logging of failed setting of attributes.
- S** Suppresses the logging of failed setting of attributes due to the above additions (i.e. **/LZAS** will run all the new logic but will not log failures).
- I-** Force off the **I** attribute when setting target files.
- I+** Will force on the **I** attribute when setting target files.
- T-** Will force off the **T** attribute when setting target files.
- T+** Will force on the **T** attribute when setting target files.

WN WN will use **A**, **I-** and **T-** for a potential fix for Windows to NetApp systems. This is the recommended workaround for this scenario for now especially for TCP routing.

For a Windows to NetApp Fix use: **/LZS:WN**

Possible alternatives are to use: **/LZSA** or **/LZSAS**

When routing via TCP and not using the WN (or I- and T-) switches you may require the following entry in the **PSListener93.CFG** file:

```
[Application Settings]
RevalidateSetFileAttributes=1
```

/LJFK

Convert Well-Known SIDs: Set this option to convert well-known SIDs (WNS) when using ACLs over TCP to act similar to Normal (non-TCP) Jobs.

/LJFK Enable this feature.

/LJFK+ Will Report failures to PSError.log

/LJFK+ Will Report converted items to PSError.log

+

/LJFK+ Will Report skipped items to PSError.log

++

/LJFK+ Will Report converted WNS parts to PSError.log

+++

/LJFI Use alternate method.

/LJFIK Uses default and alternate method.

/Q7O

Share Migration support for cDOT 8.3: Add this option to enable Share Migration support for cDOT 8.3.

/Q7OM Revert to incrementing message count for the Job for successful share migration < messages.

/Q7OR Report Share Errors and Share Totals only

-

/Q7OR Report Share Errors, Share Totals, Share Actions, Share Permission Errors and Extended Share Information

/Q7OR Report Share Errors, Share Totals, Share Actions, Share Permission Errors, + Extended Share Information, Get and Set of Shares, Share Permission Matches and Share Permission Skips

/Q7OR Share Errors, Share Totals, Share Actions, Share Permission Errors, Extended ++ Share Information, Get and Set Share Information, Share Permission Matches, Share Permission Skips and Share Permission Actions

/Q7OV Report source and target system information.

/Q7O- Use previous Share Migration Logic from v9.0.

/Q7OR Same as /Q7OR- and disables share migration starting information.

--

/Q7OI- Disable share migration starting information.

/Q7OE Report all activity at the end of share migration, instead of during

/Q7OC PeerSync will use the cDOT 8.2 method which requires user/pass (and optional C Management IP) for source and target cDOT 8.3 systems.

/Q7OC PeerSync will use the cDOT 8.2 method which requires user/pass (and optional W Management IP) for source cDOT 8.3 systems

/Q7OW PeerSync will use the cDOT 8.2 method which requires user/pass (and optional C Management IP) for target cDOT 8.3 systems

/Q7OC PeerSync will use the cDOT 8.2 method which requires user/pass (and optional W+ Management IP) for source cDOT 8.3 systems and force on unsupported scenarios.

/Q7OW PeerSync will use the Windows and/or 7-Mode method for source and target W cDOT 8.3 systems even for the current scenario that seems to fail for Windows to cDOT 8.3.

/LZR:AJV+

NFS Replication: Use these options to enable NFS FPolicy real-time detection, scanning, and the ability to transfer/compare UNIX permissions between NetApp 7-Mode and cDOT systems.

A Base argument for using **rsync** for scanning (turned on via the interface)

V+ Turn on debug verbose logging to report why files are excluded

/LZTX

Remove Failed Events If Successfully Re-Processed: Removes Failed Events from the Failed Event list after they were successfully processed.

/Q7L

cDOT Optimizations: This command line argument provides cDOT detection with the ability to connect to specific nodes, exclude specific shares, and automatically create and exclude the recommended \$ admin share to achieve optimal bi-directional synchronization.

Example:

```
/Q7L:"nodesToConnect=NODE1;NODE3|nodesToRequire=NODE3;"
/Q7L:"adminOverrideShare=PeerSync$|validateAdminOverrideShare=true|
autoCreateAdminOverrideShare=true|sharesToExclude=share1;share2"
```

Notes:

1. Use "|" for delimiter between items and ";" for delimiter between sub items
2. Quotes are required for strings with "|" in them
3. RegisterForEvents and UnRegisterForEvents are used if /Q7L string is not set
4. RegisterForEventsExtended and UnRegisterForEventsExtended are used if /Q7L string is set

/LZF:

Transfer Folder Information: Transfer additional folder information such as modified, created, accessed time and attributes. This option can diminish performance.

A+ Enable comparing of Date accessed time (off by default)

U- Disable reporting of Updates

M- Disable reporting of Messages

M+ Enable reporting of Compare Matches to the Updated tab for debugging/analysis

D- Skip processing after each Directory scan

F- Skip processing after each File Copy (the parent folder is checked)

I- Skip processing after each Set Folder Info call (used for Enhanced Bi-Sync) and is done after real-time / event folder adds (on by default)

E- Skip processing after Folder Renames (on by default)

G- Skip processing parent folder after File/Folder Deletes (on by default)

I+	Force processing after each Set Folder Info call (used for Enhanced Bi-Sync)
P+	Enable processing after each Security Permission check (off by default)
C+	Enable processing after certain Create Folder calls
R-	Not include the Root watch folder

Notes:

1. Any arguments containing spaces must be enclosed by quotes.
2. Command line arguments can also be identified through hints displayed on the Profiler.
3. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any).
4. For more information on the latest features and how to implement specific scenarios please go to our support page at: <http://www.peersoftware.com/support/submit-a-case.html>.

6. Real-Time Arguments**Real-Time Arguments**

The following arguments are appended to the end of the [command line](#) followed by a space and forward slash (i.e. /A). A space and forward slash are also used to separate each additional argument (i.e. /A /M).

/GA:x

Set Empty File Delay: If the /GA argument is used, PeerSync will delay x milliseconds before synchronizing empty (zero size) files that are detected in Real-Time.

/GB:x

Set Shadow Detection: If the /GB argument is used, PeerSync will delay x milliseconds to synchronize subsequent updates of the same file during Real-Time.

/LA

Real-time Attribute Change: If the /LA argument is used, PeerSync will monitor attribute changes to files in Real-Time and use these changes as triggers for file synchronization.

/LF

Use Update Sensitivity: If the /LF argument is used, PeerSync will use the update section of PSChangeNotify to detect file changes during real-time.

Note: This feature is generally too sensitive, and will create multiple detections.

/LG

Folder Change Detection: If the /LG argument is used, PeerSync will detect folder changes, and in Enhanced Real-Time will force the security description to be validated. Any change to the folder will **trigger a scan** of the folder including its sub folders, so that more CPU will be required. This option is not recommended for non-enhanced Real-Time.

/LG1

Folder ACL Detection: If the /LG1 argument is used PeerSync will detect folder changes, and in Enhanced Real-Time will force only the ACLs and attributes to be validated. Any change to the folder (i.e. file/folder adds or deletes) will force a comparison of security descriptors and attributes. This argument is more efficient than

the /LG option above because it will not perform a scan of the folder. Use this argument if you wish to detect and replicate ACLs in real-time for empty folders or folders that contain files for which inheritances has been disabled. Without the /LG1 argument PeerSync would need to perform a scan in order to replicate the permissions for such folders.

/LL

Disable Real-time Security Change: If the /LL argument is used, PeerSync will not trigger updates in Real-Time when a file's security has changed.

/LPC:x

Set Maximum Number of Events to Process within each Enhanced Real-Time Queue Check: If the /LPC argument is used, PeerSync will set the maximum number of events to process within each Enhanced Real-Time queue check to x events. The default is 25 events and the minimum is 5 events.

/LPC:x+

Set Maximum Number of Events to Process within each Enhanced Real-Time Queue Check: Adding the + argument PeerSync will process the events currently in the list at the time of queue checking set by LPQ.

Example: To queue events for 30 minutes (1800 seconds) and process them on that interval use the following arguments: /LPQS1800 /LPC+

/LPD:x

Set Delay between Enhanced Real-Time Deletions: If the /LPD argument is used, PeerSync will delay the deletion of files x milliseconds during Enhanced Real-Time.

/LPE:x

Set Delay between Enhanced Real-Time Event Processing: If the /LPE argument is used, PeerSync will delay the processing of each event x milliseconds.

/LPM:x

Set Enhanced Real-Time Event Upper Limit: If the /LPM argument is used, PeerSync will set the maximum number of items x to allow in the Enhanced Real-Time event queue before reverting to non-enhanced Real-Time. If this value is set to 0 then the option is disabled (the default is 20000 events). If and when the Upper Limit is reached PeerSync will clear all Enhanced Real-Time events that have not been processed and scan the directories for changes.

/LPW:x:y

Set Enhanced Real-Time Event Queue Delay: If the /LPW argument is used, PeerSync will set the number of items x in the enhanced real-time event queue to wait for before processing, as well as, the maximum time to wait for to y milliseconds.

/LPQ:x

Set Delay between Enhanced Real-Time Queue Checking: If the /LPQ argument is used, PeerSync will delay x milliseconds before checking the Enhanced Real-Time queue for new events.

/LPX:x

Set Process Delay for Enhanced Real-time Changes: The /LPX argument allows you to set the delay time for Enhanced Real-Time changes to be processed to x milliseconds. This value will be applied directly for adds and updates and will be multiplied by 3 for deletions. The default is 1000 milliseconds for adds/updates and 3000 milliseconds for deletions

/YK:n

Set Real-time Copy Thread Pool: Used to set the percentage of copy threads to reserve for Real-Time events, where **n** can be set between the values of 1 and 99. The default value is 10 percent.

/QR

Real-Time Global Exclusions: Use this argument when you want to exclude real-time events earlier in the process and throw the events away. This argument will not log/report the exclusions. Improves performance when a high amount of events need to be excluded.

Notes:

1. Any arguments containing spaces must be enclosed by quotes.
2. Command line arguments can also be identified through hints displayed on the Profiler.
3. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any).
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7. Managed Files Arguments

Managed Files Arguments

The following arguments are appended to the end of the [command line](#) followed by a space and forward slash (i.e. /A). A space and forward slash are also used to separate each additional argument (i.e. /A /M).

/QD

Always Use Partial Locked File Extensions List for VSS: If the /QD argument is used, any file that is in the Partial Locked File Extension List (default: .pst files) will always be synchronized using [VSS](#) without scanning the file for partial locks.

Note: Please refer to the [/YF](#) argument for more detail on the Partial Locked File Extensions List.

/GY:x

VSS Interval: The /GY argument is used to set the interval to try open and locked files via E The Default is every 2 hours and the minimum value is every 30 minutes.

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/YY:n

Set VSS Try Count: This argument is used to set the amount of times **n** to try and lock down a drive for full access via VSS during each cycle. The default is 5 times.

Notes:

1. Any arguments containing spaces must be enclosed by quotes.
2. Command line arguments can also be identified through hints displayed on the Profiler.

3. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any).
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8. Bi-directional Arguments

Bi-Directional Arguments

The following arguments are appended to the end of the [command line](#) followed by a space and forward slash (i.e. /A). A space and forward slash are also used to separate each additional argument (i.e. /A /M).

/GV

Always Create Superset during Bi-directional Synchronization: If the /GV argument is used, PeerSync will not use the TLR value, and therefore always create a superset of data during a [bi-directional synchronization](#).

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/GW

Enable Temp Files: If the /GW argument is used, PeerSync will enable the use of temporary files during file/folder renames and deletes. This is useful during 'Real-time Bi-Directional Synchronization' in order to prevent oscillation.

/LB

Bi-directional Folder Deletion: If the /LB argument is used, PeerSync will delete folders that have been deleted from Target or Source during [bi-directional scans](#).

/LC

Use Last Access File Time: If the /LC argument is used, PeerSync will always use last access file time for [bi-directional synchronization](#).

/LD [M|A|T|R]

Set Trigger Folder File Name: If the /LD argument is used, PeerSync will set enhanced [bi-directional synchronization](#) trigger folder filename extension to:

M	Use machine name as extension
A	Use LastAccessTime for TLR comparison
T	Use "~FLDR" extension in place of TLR
R	Reset/Delete all trigger folder-files

/LE

Use Enhanced bi-directional synchronization mode: The /LE argument is equivalent to /LDMAT mode. This will alter the way the [bi-directional synchronization](#) option functions by using enhanced features to track all file and folder adds, updates, deletions, renames and moves between scan cycles. In this mode PeerSync will use a hidden system trigger file within each sub-folder to store information about the last scan cycle for that sub-folder. Using this trigger file PeerSync can determine if a Folder was added, deleted, renamed or moved since the last scan.

Note: This item is selectable from the Profiler via the [Options/Commands Screen](#).

/YO-

Retain Last Access Time for Two Machine bi-directional synchronization: The /YO- argument will store the original Last Access time of the Source File before

synchronization and then it will set the Source and Target files' Last Access Times with the stored time after a file add or update. This will allow bi-directional scans between two machines to properly track file adds then subsequent file deletes within the next scan cycle.

Notes:

1. When using standard or enhanced bi-directional synchronization we recommend adding /YO- as well as /QYD:0 to your list of [command line arguments](#) to ensure deleted files from one side are not re-added by the other side.
2. The /YO- argument should NOT be used if there are more than two machines involved in a bi-directional synchronization due to the need of the Last Access Time to be used by the third, fourth etc. machine during comparison with either of the other two machines.

/QYD:n

Set Safety Value for Last Run Time: By default PeerSync uses /QYD:5 during standard or enhanced bi-directional synchronization. With this option enabled deletion events are programmatically delayed by approximately 10 seconds to account for any time differences between machines. This can be problematic when performing standard or enhanced bi-directional synchronization where a deleted file from one side can be re-added by the other. In this scenario we recommend using /QYD:0 which represents a safety value of 0 seconds for deletions.

n = 0	safety value = 0 seconds
n = 1	safety value = approximately 2 seconds
n = 2	safety value = approximately 4 seconds
...	
n = 5	safety value = approximately 10 seconds

Note: When using standard or enhanced bi-directional synchronization we recommend adding /QYD:0 as well as /YO- to your list of [command line arguments](#) to ensure deleted files from one side are not re-added by the other side.

Notes:

1. Any arguments containing spaces must be enclosed by quotes.
2. Command line arguments can also be identified through hints displayed on the Profiler.
3. If you have selected to display hints through the View Menu (either on the application interface or in its Status Bar), a hint will be displayed for Profiler features upon passing the mouse cursor over them. These hints will display both a description of the feature as well as its related command line argument (if any).
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Other Components

1. PeerSync Status Display

Status Display Screen

This screen is used to view Current Profile Activity within the PeerSync application. The Status Display window can only be viewed when PeerSync is running as an Application and not as a [Service](#). Enable the "Display status in PeerSync" option available in the [Options/Commands > Display Options...](#) dialog to have the Status Display show

<p>automatically at the start/launch of PeerSync or right-click on the Tray Icon and select "Show Status Display".</p>	
Profile	Displays the name of the Profile actively being processed. This label may not match the name of the Profile currently being configured through Profiler.
Job	This indicator will dynamically display the name of whichever Job is presently being processed for the Active Profile.
Mode	Displays the Operation Mode (Real-time Mode, Scheduled Operation, etc.) applied to synchronization of the Active Profile.
Source	Displays a file path for the Source Folder presently being synchronized.
Target	Displays a file path for the Target Folder presently being synchronized from the Source indicated above.
Folders	This indicator provides a count of all unsynchronized folders contained within the Source, and will decrease as each folder is synchronized. An additional "thermometer" indicator will also track the progress of folder synchronization.
Files	This indicator displays the total number of files contained within the Source while also providing a count of synchronized files. In addition, a "thermometer" indicator will show file synchronization progress by increasing according to the size of the current folder, with 100% representing the cumulative size of files contained within the Source Job set.
File	Indicates the name of the file currently being synchronized.
Large File or Compression Status	This caption will be displayed to the right of the file name that is currently synchronized for large files and during compression. The caption will show the size of the file that has been copied to the Target and/or compression status.
Skip File	This button will appear once the active Profile has been launched. This feature allows you to skip synchronization of the file currently displayed in the indicator described below. Skip Files enables you to avoid delays caused by large files on slow network or dial-up connections.
Size	Indicates the size (in bytes) of the file currently being synchronized. A related "thermometer" indicator tracks the progress of synchronization for that file.
Checked	This indicator displays the total number of files contained in the selected Source Folders.
Excluded	Indicates the number of files that were excluded from synchronization (See Exceptions).
Messages	Indicates the number of error messages generated during Profile processing.

Updated	Indicates the number of Target Files that were updated during synchronization of Profile Jobs.
Added	Indicates the number of new files added to Target Folders during synchronization of Profile Jobs.
Deleted	Indicates the number of files deleted (or moved) during synchronization of Profile Jobs.
Target Space	Indicates the Target Folder space remaining during synchronization of Profile Jobs.
Elapsed Time	Indicates the amount of time that has elapsed during the current Profile activity.
Hide	Will hide this display, which can be re-accessed via the Tray Icon Men.
Quit	Allows you to close/exit the current session of PeerSync.

Other Screen Features	
Processed Lists	The Updated, Added, Deletions and Excluded screens will display statistical information in the above format. Each screen will have statistical information (File Name, Size, Modified Date/Time, Path, Duration, etc.) about the changes that have occurred during the current PeerSync session.
Item Count	Display of the amount of changes that have occurred for the current screen.
Maximum List Size	Allows you to select the maximum amount of changes that you wish to store for the current screen. It is recommended to keep this value low because each entry requires memory to be used by PeerSync.

Status Display Popup Menu	
Activated by right clicking on the PeerSync Status Display. The Status Display window can only be viewed when PeerSync is running as an Application and not as a Service . Enable the "Display status in PeerSync" option available in the Options/Commands > Display Options... dialog to have the Status Display show automatically at the start/launch of PeerSync or right-click on the Tray Icon and select " Show Status Display ".	
View Log File	Allows you to access, launch and view Log files in the default text editor for the current Profile.
View Admin Folder	Allows you to access, launch and view Admin log file Folders in Explorer for the current Profile.
Open Source Folder	Allows you to access, launch and view Source Folders in Explorer for the current Profile.

View Target Folder	Allows you to access, launch and view Target Folders in Explorer for the current Profile.
Print	Allows you to print the current screen information.
Save As	Allows you to save the current screen information to file.
Clear List	Allows you to clear/reset the current screen information.
Re-Load Profile	Allows you to re-load the current Profile if any changes have occurred.
About PeerSync	Will display an about screen, that contains information about the current PeerSync you are running.
Quit	Allows you to close/exit the current session of PeerSync.

2. PeerSync Remote Control

PeerSync Remote Control Screen Features	
This feature allows you to connect to and monitor any PeerSync currently running on your LAN. Including PeerSync running as an application or a service on the local machine and/or any instances of PeerSync running on any machine that is accessible from the local machine.	
Profile Selection	The field located to the left of the Add Button. This field is used to add a Profile to the Profile Selection List. The format for a Profile selection is: MACHINENAME:PROFILENAME (i.e. DELLSERVER:Profile.snc).
Profile Selection List	The list located below the Profile Selection, which contains Profile Selections that can be connected to and monitored by selecting the item and using the Connect button.
Add	This button will add the current Profile Selection to the Profile Selection List.
Connect	This button will connect to the current Profile Selection and display its activity on the screen.
Disconnect	This button will disconnect the current Profile Selection and stop the display of activity.
Refresh	This button will refresh the current Profile Selection activity.
Pause/Resume	This button will pause/resume the current Profile that is selected.
Query	This button will search for and add all Profiles that can be found to the Profile Selection List.
Clear List	This button will clear out all entries from the Profile Selection List.
Remote Connection Information	Displays the computer, user and last response for the current connection.
Close	This button will close this dialog.

Note: The features described on this page require the [Enhanced Package](#).

3. Quick-Sync

This feature is a quick and easy way to synchronize folder(s) on the fly to backup location(s) with the option to modify your Job settings at a later time.

Simply right click on any folder you wish to sync and select "Quick-Sync Folder...". This will launch the Wizard, which will ask you to select a Target Folder to sync to...and your ready to run the Quick-Sync. You also have the options to edit and/or add the current sync Job to your Quick-Sync Profile or any other selected Profile. Then the next time you select a folder if it matches any Source or Target selection in the Quick-Sync Profile the Jobs will be listed to pick from or you have the option to add a new Job.

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