



PSListener Help Manual

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PSListener Help

PSListener is a synchronization utility that enhances the abilities of PeerSync to synchronize data. PSListener working in conjunction with PeerSync helps in the movement of modified and new data at the block/byte level to ensure minimal amount of data transfer and/or use of network bandwidth. This process will allow for faster transfer of data to one or more locations and/or less use of network resources.

The major benefit of the initial PSListener release is the updating of modified Source Files that need to be synchronized over the network. Through analysis of Source and Target Files, PS Listener can decide, specifically, what blocks/bytes of the Source File that need to be sent over the network to re-create the Target file. This will lower the amount of data transfer at the same time increasing the speed of synchronization. This block/byte level capability can be run in all PeerSync modes of operation: Manual, Interval, Scheduled and Real-Time, and also has the ability to utilize the Embedded Open File Manager option available with PeerSync.

New Capability

With the release of PeerSync v7.3, the role of the PSListener expanded to service file transfers over the TCP/IP protocol. PeerSync in conjunction with the [TCP WAN Connector Option](#) now gives users the ability to transfer data across the Internet. The PSListener would simply be required to run on the remote device(s). Adding the [ByteReplicator Option](#) to the PeerSync package will enable PSListener's block/byte level capability described above.

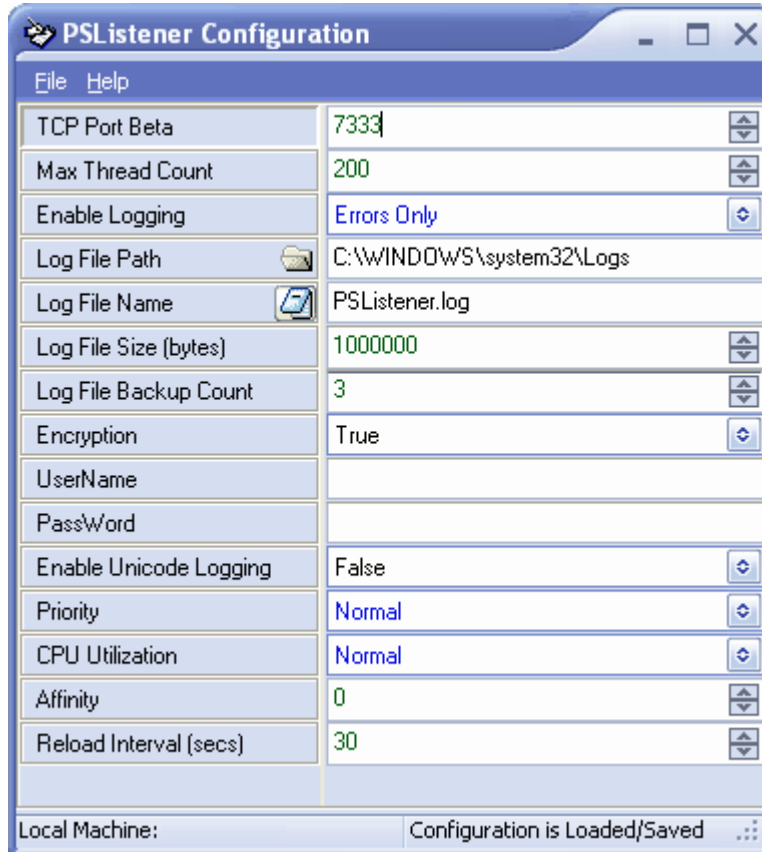
Installing PSListener

Please perform the following steps to install and configure PS Listener:

- Run the PS Listener installation file on the Target remote machine and choose the directory to install the PSListener
- Select to 'Install as a Service' and 'Configure Now'
- Enter the Logon information for an account that has administrative access to the machine
- Proceed with installation, and choose to 'Show Services' and display install folder
- Run configuration tool.
- PSListener will listen on a port on the machine specified by the port number in the configuration tool. Without the [TCP WAN Connector Option](#) it still requires that both PeerSync and the PSListener be visible to each other on the network.
- Please note the port number. This port must not be blocked by any software or hardware firewall. PeerSync communicating with PSListener must also be configured to communicate on this port number.
- The other features in the configuration utility all have defaults that can be initially used. Please read the features of the configuration tool for more information about these options.
- Close the configuration tool. You can now start the PSListener by running the service in the Services Window. You will not see any tray icons or windows during operating. Please check the Services Window, Task Manager, and/or the log file specified in configuration tool to ensure PSListener is running.
- Please consult the PeerSync documentation to configure PeerSync to communicate with PS Listener.

PSListener Configuration

All configuration settings are available for viewing and modification in the PSLConfig.exe application located in the PSListener installation folder. The configuration editor will allow you to make changes that will take effect on either the next run of PSListener, or if it is running, on the next interval that it checks for updates. In some instances you may need to restart the PSListener.



PSListener File Menu

This menu includes items allowing you to load and save configurations as well as exit the configuration tool.

Load	This item allows you to load local and remote configuration files (.cfg).
Save	This item saves the current configuration.
Exit	This menu exits the configuration tool. It does not shut down PSListener if it is running.

PSListener Help Menu

This menu includes items for support such as README documentation, help files, and information about PSListener and Peer Software, Inc..

PSListener Screen Features	
TCP Port	This value specifies the port number PS Listener will bind to while accepting TCP connections. This value does not pertain to the Internal method of communication.
Max Thread Count	This value specifies the maximum number of simultaneous connections that can be made to the PSListener. Any requests for connections that exceed this limit will be replied to with a 'Busy' message. PeerSync will then either retry, or copy the entire file depending on its configuration.
Enable Logging	PSListener can log messages to the log file at 3 different levels: Full: All Status, Success, and Errors messages are logged to the log file. Errors Only: Only Errors messages are logged to the log file. None: No messages are logged to the log file.
Log File Path	This path is the location where log files will be stored. The Log File Path Icon button will open an Explorer window to the folder specified.
Log File Name	The name of the log file. The Log File Name Icon button will open the log file in your default text editor.
Log File Size	The maximum size of the log file. When this value is exceeded, it will either overwrite the original log file data if no backups are specified, or will rename the log file to a backup name based on the Log File Backup Count.
Log File Backup Count	The maximum size of the log file. When this value is exceeded, it will either overwrite the original log file data if no backups are specified, or will rename the log file to a backup name based on the Log File Backup Count.
Encryption	By default Encryption is enabled. This option uses an internal Triple DES cipher to encrypt all the data and communication between sites. This option must match the Encryption setting (ON or OFF) on the PeerSync side.
UserName	When using Encryption we recommend you provide your own UserName and/or PassWord as key values. These values must match the UserName and PassWord settings on the PeerSync side.
PassWord	When using Encryption we recommend you provide your own UserName and/or PassWord