



PSListener Help Manual

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Table of Contents

Foreword	0
Part I PSListener Help	2
1 Overview	2
2 Installing PSListener	2
3 PSListener Configuration	2
Index	5

1 PSListener Help

1.1 Overview

(See Next: [Installing PSListener](#))

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, PSListener can decide, specifically, what blocks/bytes of the source file that need to be sent over the network to recreate 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.

1.2 Installing PSListener

(See Next: [PSListener Configuration Tool](#))

Please perform the following steps to install and configure PSListener:

1. Run the PSListener installation file on the target remote machine and choose the directory to install PSListener.
2. Select to 'Install as a Service' and 'Configure Now'.
3. Enter Logon information for account that has access to local and remote machine.
4. Proceed with installation, and choose to 'Show Services' and display install folder.
5. Run configuration tool...
6. PSListener will listen on a port on the machine specified by the port number in the configuration tool, however, it still requires that both PeerSync and the Listener be visible to each other on the network.
7. 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.
8. 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.
9. Close the configuration tool. You can now start 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, and the log file specified in configuration tool to ensure PSListener is running.
10. Please consult the PeerSync documentation to configure PeerSync to communicate with PSListener.

1.3 PSListener Configuration

(Back to: [Overview](#))

All configuration settings are available for viewing and modification in the **PSLConfig.exe** application located in the 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.



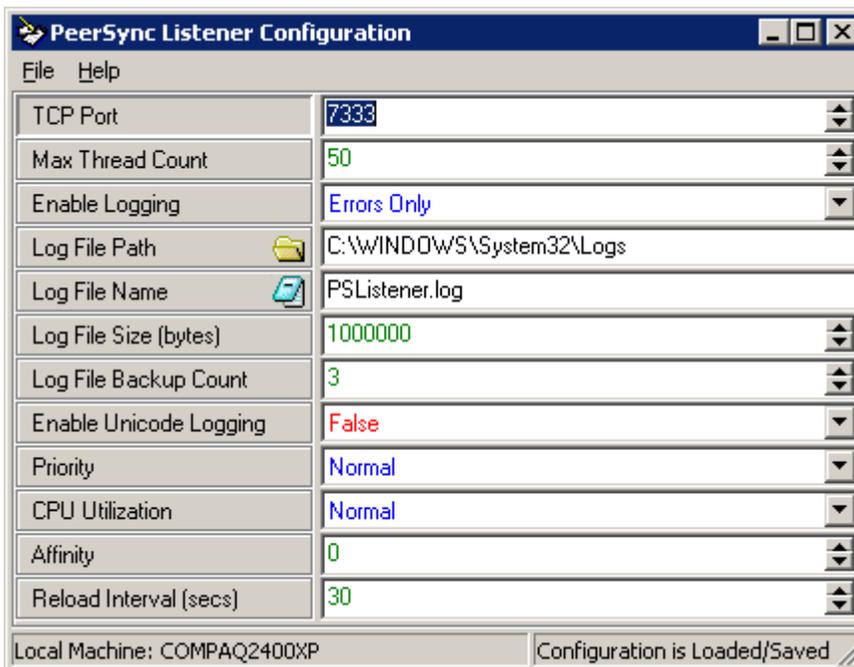
File: This menu includes items allowing you to load and save configurations as well as exit the configuration tool.

Load: This menu allows you to load local and remote configuration files (.cfg).

Save: This menu saves the current configuration.

Exit: This menu exits the configuration tool. It does not shut down PSListener if it is running.

Help: This menu includes items for support such as readme documentation, help files, and information about PSListener and Peer Software.



TCP Port: This value specifies the port number PSListener 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.



Log File Path Icon: This button will open an Explorer window to the folder specified.

Log File Name: The name of the log file.



Log File Name Icon: This 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 number of backups of the log files to keep. When the **Log File Size** is exceeded, it will rename the log file with a backup extension.

Enable Unicode Logging: This option enables unicode characters to be correctly displayed in the log file. This however will double the size of the log file, in order to support Unicode characters.

Priority: This is the application and thread priority used in the Windows environment. Setting the priority to "High" may cause instability on your system.

CPU Utilization: This controls the amount of CPU used by the process. **Low** will use a minimum of CPU, while **High** will run unrestricted.

Affinity: Allows you to limit which CPUs to use in a multi-processor environment. Each CPU is represented by 2^{x-1} value. The default is 0: Use all CPUs. The chart provides examples:

CPU Description		Examples	
1 = CPU 1	16 = CPU 5	0: Use All CPUs	5: Use CPU 1 and 3
2 = CPU 2	32 = CPU 6	1: Use CPU 1	6: Use CPU 2 and 3
4 = CPU 3	64 = CPU 7	3: Use CPU 1 and 2	7: Use CPU 1, 2 and 3
8 = CPU 4	128 = CPU 8	4: Use CPU 2	8: Use CPU 4

Reload Interval: This value is the interval that PSListener will check for updated configuration data, and if updated, will load the new information.

Index

- T -

TCP Port 2

- A -

Affinity 2

- E -

Enable Logging 2

Enable Unicode Logging 2

- F -

File 2

- I -

Installing PSListener 2

- L -

Log File Backup Count 2

Log File Name 2

Log File Path 2

Log File Size 2

- M -

Max Thread Count 2

- O -

Overview 2

- P -

Priority 2

PSListener Configuration 2

- R -

Reload Interval 2