Key Benefits and Features

Overview

Sysax FTP Automation is file transfer client software with automation capabilities. It enables a Windows computer to send or obtain files privately on the internet.

This type of software is also commonly known as an FTP Client or SFTP client (FTP stands for "File Transfer Protocol" and SFTP stands for "Secure File Transfer Protocol").

Benefits

• The software is used to connect privately to a user account on a remote computer running file transfer server software and download files to the local computer. It can also be used to upload files from the local computer to the remote computer.

• The software supports secure encrypted file transfers using the SFTP or FTPS file transfer protocols. It also optionally supports regular FTP file transfers for compatibility with older systems. Authentication with the remote server can be performed using protected passwords or public key authentication in the case of SFTP.

• The software also supports several related capabilities such as OpenPGP encryption and decryption, compression and decompression, and sending email notification.

• It includes a command line secure FTP tool that is a direct replacement for the legacy ftp.exe tool that ships with the Windows operating system.

• A task wizard can be used to automate complicated sequences of file transfer tasks in a step by step manner. The wizard writes out a script that can be scheduled for execution. The wizard can also generate the equivalent VBScript or C# output that runs by invoking the software as a COM object.

• Wizard generated scripts and manually written scripts can be edited and debugged in a built-in script development environment. The scripting language supports variables, loops, conditional statements, and status flags. It also has various commands related to file transfer, file system manipulation, reading and writing files, sending email, performing OpenPGP encryption and decryption, setting and retrieving environment variables, writing and reading the windows registry, and timestamp creation and formatting. The commands can also be invoked from other scripting and programming languages as a Component object.

• Tasks can be scheduled to run at specific intervals.

• Local folders can be monitored for changes and tasks can be scheduled to run when a file is added, modified, or deleted in a monitored folder.

Features

• The task wizard can be used to create scripts to perform simple upload and download of files and folders, backup or mirroring of files and folders, two way synchronization of files and folders, and comparisons of files and folders.

• Files can be compared based on size, date, CRC value of the file contents, MD5 hash of the file contents, or SHA1 hash of the file contents. Duplicate files can be skipped, renamed, resumed, or overwritten.

• Pre-processing activities before uploading a file can include compressing the file or encrypting it using OpenPGP. Post-processing activities after uploading a file can include copying or moving it to a different local folder, renaming the file according to a specific timestamp based format, deleting the file, and running a file processing program.

• Post-processing activities after downloading a file can include deleting the file from the remote server, uncompressing the downloaded file or decrypting

it using OpenPGP. The downloaded file can also be copied or moved to a different local folder or renamed according to a specific timestamp based format. A file processing program can also be run after the download.

• Backup, mirroring, or synchronization can be performed in a detailed manner by including or excluding specific file or folder wildcard patterns in the source folder. Specific file or folder wildcard patterns already existing only in the destination can be preserved or removed.

• Comparison of files and folders can be performed up to an arbitrary depth level or all levels.

• The script development environment highlights available commands and provides usage information. A script can be run line by line or stopped at any line using breakpoints and the values of various internal and user specified variables at that point are displayed.

• Scheduled tasks can be automatically rescheduled and can be run under a specific user account. Environment variables can be set for use by the task script. Tasks can also be triggered by changes in a monitored folder. Execution results can be logged to file. A different log file can be specified for each task which can be overwritten or appended for each run with rollover support.