

## WS FTP Sync Service Introduction

WizardSoft FTP Sync Service (WSFTPSync) is a lightweight FTP file and folder copy tool that allows automating the synchronization of one or more local/shared folders to or from FTP server(s). It supports both open and encrypted (TLS/SSL) server connections. You can control exactly what files are uploaded or downloaded to/from the FTP server. End-users do not need access anymore to a FTP client and cannot do 'bad things' because they do not have direct access to the FTP server. You can also specify that only specific file types will be uploaded. Only new or changed files will be uploaded in the default configuration. It can throttle FTP upload and download speeds and uses MODE Z zip compression if the server supports it.

## Trial and licensing

WSFTPSync will run in trial mode if no license key is entered. Each computer that runs WSFTPSync needs a license. The license is subscription based. A subscription gives you usage rights, updates and e-mail support for 1 year. We are open to feature requests and will seriously consider these if they help more customers.

In trial-mode, you can only start a manual sync (the WSFTPSync scheduled task will run, but will not do anything useful until a valid license is entered). Trial mode is there for you to test if the product works. If it does (and it should!), support further development and us by buying a license.

## Installation

To install, run the batch file install.cmd as administrator on the selected computer/server. The installer performs the following tasks:

- Create the folder %ProgramFiles%\WSFTPSync
- Copy required files, including WSFTPSync.exe
- Create a WSFTPSync task

## Configuration

To configure WS FTP Sync Service, you open the configuration text file Setup.ini . All configuration files are utf-8 encoded and are formatted like <tabs/spaces>name<tabs/spaces>=<tabs/spaces>value . The name-value pairs are separated by line breaks <crlf>. A line that starts with a ‘;’ is considered a comment and can be used to document settings.

Name	Description	Example
<b>License</b>	Your license key. Leave empty for trial mode.	
<b>** SyncInterval</b>	WSFTPSync will run the sync every x minutes. Default: 60	1440 (each day, 24 hours)
<b>** FirstSyncTime</b>	Sync start time. Format: hh:mm (24h). Useful to make sure that the sync always starts at fixed times. Default: empty	20:00
<b>** UploadLimitKBps</b>	Throttle upload to x kilobytes per second. Default: 0 (no limit)	100
<b>** DownloadLimitKBps</b>	Throttle download to x kilobytes per second. Default: 0 (no limit)	100
<b>*SitesPath</b>	List of Sites folder(s). Folders are ;-separated. The Sites folder contains .ftp configuration files. Default: WSFTPSync_Folder\Sites	
<b>*SitesPathUsername</b>	Username for SitesPath UNC (network share) access if needed. Default: empty	
<b>*SitesPathPassword</b>	Password for SitesPath UNC (network share) access if needed. Default: empty	
<b>* ** SocksServer</b>	SOCKS server IP or DNS address	www.mysocks5.com
<b>* ** SocksPort</b>	SOCKS port	1080
<b>* ** SocksUsername</b>	SOCKS username	Mylogin
<b>* ** SocksPassword</b>	SOCKS password. Only SOCKS5 supports full username/password authentication. Frequently access is limited through client IP address.	Mypassword
<b>* ** SocksVersion</b>	SOCKS version 4 or 5. Default: 2	2
<b>* ** FtpProxyServer</b>	IP or DNS address of FTP proxy server.	www.myproxy.com
<b>* ** FtpProxyPort</b>	Proxy server port. Default: 2121	2121
<b>* ** FtpProxyUsername</b>	Proxy username	
<b>* ** FtpProxyPassword</b>	Proxy password	
<b>* ** FtpProxyMethod</b>	Proxy scheme used by the FTP proxy server. <ol style="list-style-type: none"><li>1. SITE site</li><li>2. USER user@site</li><li>3. USER with logon</li><li>4. USER/PASS/ACCT</li><li>5. OPEN site</li><li>6. firewallID@site</li></ol>	
<b>* ** HttpProxyServer</b>	IP or DNS address of HTTP proxy server.	
<b>* ** HttpProxyPort</b>	Proxy server port. Default: 8080	
<b>* ** HttpProxyUsername</b>	Proxy username	
<b>* ** HttpProxyPassword</b>	Proxy password	

\* Enterprise license features \*\* Can also be specified/overruled in each FTP site setup file

Each FTP server task has its own configuration file with the extension .ftp (example: myserver.ftp) . The files must be located in the sub folder 'Sites' (or one of the configured paths). The file name without extension is used as ID in informational messages. The .ftp files are processed in alphabetical order.

Name	Description	Example
<b>Enabled</b>	Enable or disable this FTP task. Default: 0	1
<b>LocalFolder</b>	Local contents folder.	C:\MyFolder or \\server\share
<b>LocalUsername</b>	Local username for UNC (network share) access if needed.	myuser@mydomain.com
<b>LocalPassword</b>	Local password for UNC (network share) access if needed.	Mypassword
<b>FtpServer</b>	IP or DNS address of the FTP server.	www.mydomain.com
<b>FtpFolder</b>	Folder on FTP folder that contains the relevant files and folders.	/domains/mydomain.com/ public_html/MyFolder
<b>FtpUsername</b>	FTP username	Mylogin
<b>FtpPassword</b>	FTP password	Mypassword
<b>FtpPassiveMode</b>	Use FTP passive mode (1) or not (0). Default: 1	1
<b>FtpAuthTls</b>	Use FTP TLS encryption (SSL) (1) or not (0). Default: 0	1
<b>IncludeFilePatterns</b>	Only files that match these patterns will be transferred. Patterns are ;-separated. Default:*	*.txt;*.xls*
<b>ExcludeFilePatterns</b>	Files that match these patterns will not be transferred. Patterns are ;-separated. Default:*	*.txt;*.xls*
<b>SyncMode</b>	Determines the condition when files are copied. Default: 2 0. ALL - Copy all files to target 1. NEW - Copy only files that do not exist yet on target 2. NEW OR MODIFIED - Copy new and modified files to target 3. MODIFIED - Copy only modified files that exist already on target 4. NEW OR SIZE - Copy only new files or files with a different size to target 5. NEW OR MODIFIED OR SIZE - Copy new or modified files or files with a different size to target	2
<b>SyncTarget</b>	Copy target. Default: 0 0. FTP - Upload local folder to FTP server 1. LOCAL - Download from FTP server to local folder	0
<b>DeleteTargetFiles</b>	Delete files on target that do not exist on source. Default: 0 (disabled)	0

	0. Disabled	
	1. Enabled	
<b>*ClientCertificatePfx</b>	Client SSL PFX certificate store. If no full path is given, the file is relative to the WSFTPSync program folder.	C:\Cert\mycert.pfx
<b>*ClientCertificatePfx Password</b>	PFX file password.	MyPfxPassword
<b>*ClientCertificateSubject</b>	Subject of client certificate that will be loaded. If empty, an attempt will be made to select it automatically.	My Subject
<b>*VerifyCertificate</b>	Verify FTP server certificate signature and expire date (1) or not (0). Default: 0	0

\* Enterprise license features

The utility FTPTaskEditor is supplied to edit .ftp files. It is a completely optional tool.

## Testing

When you have configured all settings you can test FTP communication by opening a command console (cmd.exe) and run the command `WSFTPSync.exe /test` . To start a manual sync, just run `WSFTPSync.exe` without any parameters .

After adjusting the settings to your needs you can (re)start the WSFTPSync service scheduled task. Next time, it will start automatically on system start. A valid license is needed for the scheduled task to do anything useful.