

## Key Benefits and Features

### Overview

Sysax Multi Server is file transfer server software. It enables a computer running Windows to receive or distribute files privately on the internet.

This type of software is also commonly known as an FTP server or SFTP server (FTP is an acronym for “File Transfer Protocol” and SFTP is an acronym for “Secure File Transfer Protocol”).

### Benefits

- The software is used to make files available for download privately (through specific user accounts protected by passwords or other means). It is also used to privately receive file uploads from other users. The software can simultaneously support a number of secure file transfer protocols that have been standardized for compatibility across different types of computer systems.
- The software supports secure encrypted file transfers using the SFTP or FTPS file transfer protocols. It supports HTTPS based secure file transfers using a web browser. It also optionally supports regular FTP file transfers for compatibility with older systems.
- Remote command line access using Secure shell or Telnet is also supported by the software.
- User access and authentication can be managed in several ways. Existing windows accounts on the machine can be used to authenticate users. Windows LDAP active directory, central domain controllers, or an external database can be used to control access. User accounts can also be setup within the software itself. Public key authentication can be used for allowing SFTP access.
- Software access can also be restricted based on the IP address or hostname of the incoming connection. IP addresses can also be automatically blocked for repeated failed login attempts within a certain time.

- Whenever a user connects to the server software and performs an action event such as transferring a file, several additional actions can be performed by the server in response such as sending an email, compressing or decompressing the file, encrypting or decrypting the file with open PGP, copying or moving the file, and so on.
- The software installs as a Windows service that can be started automatically on windows bootup. It can be remotely administered using a web browser. Server activity can be logged to a text file or to log database. An administration API is also available for programmatic configuration of the software from within other scripts and programs.

### Features

- The IP address and port used to listen for incoming connections can be configured to select a specific IP address or all IP addresses available on the machine.
- When remote command line access using secure shell or telnet is allowed, a shell script can be scheduled to run on login.
- Local and remote port forwarding can be enabled when configured for secure shell access.
- When file transfer is performed in PASV mode using FTP or FTPS, the external IP address and port range can be configured.
- For HTTPS based transfers, the page layout of the web file transfer interface can be customized. Browser auto completion of the login page can be disabled and a timeout value can be set for logged in users.
- Radius two factor authentication is supported.
- Pre-login messages such as notices or warnings can be displayed to all incoming connections before user authentication is started.

- Self-signed SSL certificates can be generated by the software. A certificate signing request (CSR) can also be generated to obtain a certificate signed by a trusted Certification Authority (CA).
- FIPS mode can be optionally enabled to allow only FIPS 140-2 validated modules and algorithms.
- Insecure SSL and TLS protocols and weak Ciphers and MACs can be optionally disabled.
- Either 1024 bit or 2048 bit SSH2 host keys can be generated and the corresponding host key fingerprint is displayed.
- Files that have the hidden attribute set or that start with a '.' can be optionally prevented from being listed in accessible folders
- Server software actions in response to user events can be performed under a specific user account
- The Log file can be rolled over after a specific size. Daily and monthly log files can also be generated. Multiple log file formats are also supported.

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