

# MOVEit™ File Transfer and MOVEit Cloud: Compatible Secure File Transfer Clients



This document provides a three-step process for identifying which specific clients can best meet your requirements for exchanging files with MOVEit File Transfer and MOVEit Cloud. These steps consist of picking a transfer protocol (AS2, AS3, FTPS/TLS, HTTPS or SFTP/SCP2), identifying your client requirements (end-user or server-based, manual or automated), and then selecting specific clients (including Web browsers) by their transfer protocol and operating system.

## Step 1: Pick the Protocol.

MOVEit File Transfer and MOVEit Cloud support all of these secure transmission methods:

**AS2 and AS3 (Application Statement 2 & 3)** protocols enable the secure exchange of data over the Internet. AS2 uses HTTPS to move data via Web servers; AS3 uses FTP to transfer data via either FTP or FTPS/TLS servers. Both provide data protection and non-repudiation using S/MIME, digital signatures and Message Disposition Notifications (MDNs) for data encryption, authentication, and data integrity checking. AS2 requires only a single open firewall port (443), which is open by default on almost all firewalls. AS3 via FTP requires only a single open port (21). AS3 via FTPS requires port 990 plus 4 or more consecutive “high” ports (1024 and above) be open.

**FTPS / TLS (secure FTP over SSL)** is popular on Windows, and native to many IBM mainframe and midrange systems. FTPS setup can be a bit complicated. FTPS has multiple SSL modes (IMPLICIT, TLS-P, TLS-C) and transfer modes (Active, Passive). Some mode combinations are considered less secure than others, and FTPS is not considered to be very firewall friendly.

There is no FTPS standard governing the number and range of firewall ports that must be open; it depends on the server being used. This means most firewalls are not configured for FTPS. FTPS is a multiple port/rarely open protocol. Some work may be needed to open, and keep open, all of the necessary ports on the local and remote firewalls that the transfers will pass through. MOVEit File Transfer and MOVEit Cloud have advanced features that make FTPS easier, such as needing as few as four contiguous open ports (some FTPS servers require 64,000) and supporting transfers with clients on NAT networks (some FTPS servers do not). MOVEit File Transfer and MOVEit Cloud support IMPLICIT and TLS-P and Active and Passive modes, which allows use of a variety of MOVEit and third-party FTPS clients.

**SSH2 (Secure Shell 2)** is a popular standard on Linux/UNIX hosts. It is used by Secure FTP over SSH (SFTP) and Secure Copy Protocol 2 (SCP2) clients. SSH2 is firewall friendly because it needs only one open firewall port (22), though this port is not always be open on every firewall. SSH2 is a single port/sometimes open protocol. This means some effort may be needed to get and keep port 22 open on local and/or remote firewalls. MOVEit File Transfer and MOVEit Cloud support SSH2-based file transfers by a variety of third-party SFTP and SCP2 clients. It should be noted that such transfers will be slower than those done using clients that use either the HTTPS or FTPS protocols.

**HTTPS (HTTP over SSL)** is an established Web standard used for commercial purposes. It is considered to be very firewall friendly. HTTPS requires only a single open firewall port (443), open by default on almost all firewalls because Web browsers use it to make secure connections.

HTTPS is a single port/always open protocol, which means it provides operational advantages over SSH2 and especially FTPS. Many MOVEit and third-party HTTPS-based clients, including a number of popular Web browsers, can be used to securely exchange files with MOVEit File Transfer and MOVEit Cloud.

# Compatible Secure File Transfer Clients

## Step 2: Identify Your Needs.

Certain types of clients are best suited for certain uses.

Files can be securely exchanged MOVEit File Transfer and MOVEit Cloud by end-user and backend systems, and on a manual or automated basis. Transfers involving backend systems can be managed on either a decentralized basis by applications on each system, or on a centralized basis by an enterprise-level file transfer management program like MOVEit Central, or by a mix of both approaches. There are MOVEit and third-party secure file transfer solutions for each of these specific situations.

### End-User Manual Transfers

While MOVEit and third-party FTPS and SFTP clients can be used to manually move files between desktops and MOVEit File Transfer or MOVEit Cloud, Web browsers are typically used for this purpose because they are free, come pre-installed on end-user systems, require little training or support, and are very firewall-friendly. Browsers do not need Java, ActiveX, plugins, or third-party encryption applications like PGP in order to securely exchange files with MOVEit File Transfer and MOVEit Cloud. Browsers have time -out limits and some have file size transfer limits; all lack some advanced security capabilities, including Non-Repudiation and Guaranteed Delivery (which can be supplied by using the free MOVEit Wizard ActiveX and Java Web browser clients).

### End-User Automated Synchronized Folder

When a durable connection is required between two or more trusted users to increase the speed of transfer of files then the MOVEit Sync Client may be the best fit. The Sync Client is a deployment option It will automatically synchronize a single folder with sub-directories and up to 100 files.

### End-User Automated Transfers

When minimal user involvement is desired or required, a variety of MOVEit and third-party HTTPS, FTPS/TLS and SFTP/SCP2 secure file transfer clients are available with built -in automation or the ability to be automated using scripts or batch files. The MOVEit Sync Client feature, a deployment option

in the MOVEit Outlook Client plug-in, enables automatic transfer of files between trusted users. It automatically synchronizes any content placed in a 'sync folder' on the users Windows desktop. A suitable HTTPS-based Windows desktop solution is the MOVEit EZ client, which can run up to 15 scheduled, automated upload and/or download file transfers tasks with MOVEit File Transfer or MOVEit Cloud.

### Back-end System-Controlled Transfers

Various MOVEit and third-party AS2, AS3, FTPS/TLS, HTTPS, SFTP and SCP2 secure file transfer clients that can be automated and scheduled using job control and schedulers are available for mainframe, midrange, Linux/UNIX, and Windows systems. HTTPS-based clients include the MOVEit File Transfer API Java class and COM component (which provide secure, programmatic access to MOVEit File Transfer and MOVEit Cloud services), and the free, commercially supported MOVEit Xfer Java and Windows command line clients.

### Back-end Centrally-Controlled Transfers

MOVEit and third-party enterprise-level secure file transfer management applications are available for use with MOVEit File Transfer or MOVEit Cloud. MOVEit Central can be used to automate, schedule and monitor the exchange of files between internal and external systems, including MOVEit File Transfer and MOVEit Cloud as well as secure and non-secure file, FTP, Web and email servers.

MOVEit Central does this using easy-to-create tasks (no scripting or other programming required). Central runs tasks on a scheduled, event-driven or on-demand basis. Tasks can also be controlled by third-party programs, scripts, and by developers via the optional MOVEit Central API Interface. Central can transfer files using any combination of AS1, AS2, AS3, FTP, FTPS/TLS, HTTP, HTTPS, SFTP/SCP2, copying to the local file system and shared network folders, or by exchanging files via SMTP/POP3 email and/or S/MIME encrypted email. And Central can automatically process files during a transfer using built-in functions (including ZIP and OpenPGP) as well as with VBS scripts.

Every MOVEit client features a standard set of advanced capabilities (including cryptographically valid file integrity checking and resume and retry of interrupted transfers) that provide both Non-Repudiation and Guaranteed Delivery when exchanging files with MOVEit File Transfer and MOVEit Cloud.

## GET YOUR FREE CLIENT TODAY

The free **MOVEit Wizard Web ActiveX and Java HTTPS** clients can be downloaded by authorized MOVEit File Transfer end-users.

The free **MOVEit Xfer Java and Windows command line HTTPS** clients can be downloaded from the MOVEit support site by MOVEit File Transfer licensees and evaluators.

The free **MOVEit Freely Windows FTP/FTPS** client can be downloaded from various shareware sites.

The **MOVEit EZ Windows HTTPS automated** client can be downloaded for evaluation and purchased from Ipswitch.



**IPSWITCH**  
FILE TRANSFER

# Compatible Secure File Transfer Clients

**Step 3: Choose Your Clients.** On this page by protocol, client name, and OS.

## HTTPS (HTTP over SSL) Clients

**cURL (downloads only):** AIX, AmigaOS, BeOS, DOS, DragonFly BSD, FreeBSD, HP-UX, Linux, NetBSD, NetWare, OpenBSD, OS/2, OS X, QNX, RISC OS, Solaris, SunOS, Tru64 UNIX, UNIXware, VMS, Windows

**Internet Explorer Web Browser:** Macintosh, Windows

**Firefox Web Browser:** any supported OS

### MOVEit Central Windows

Windows Server 2012 R1, Windows Server 2008 R2 (64-bit English and German); Windows Server 2008 (32-bit).

### MOVEit Central API Java Class

Windows Vista Business Ed., 2003, XP Professional, 2000 Server

### MOVEit Central API Windows COM Component

Windows Vista Business Ed., 2003, XP Professional, 2000 Server

### MOVEit File Transfer API Java Class

any OS with Java v.1.4 or higher

### MOVEit File Transfer API Windows COM Component

Windows Vista Business Ed., 2003, XP, 2000, NT 4.0

### MOVEit Wizard ActiveX Plugin

Internet Explorer Windows

### MOVEit Wizard Java Plugin

Firefox Linux and Windows, Mozilla Linux and Windows Netscape Linux and Windows, Opera Linux and Windows Safari OS X MOVEit Xfer Java Any OS with Java v.1.4 or higher

### MOVEit Xfer Windows

Windows 8 (both 32-bit and 64-bit, English and German editions)  
Microsoft Windows 7 (32-bit and 64-bit English and German editions)  
Microsoft Windows XP Professional (32-bit English and German editions); Service Pack 3 (SP3)

**Mozilla Web Browser:** any supported OS

**Chrome Web Browser:** any supported OS

**Opera Web Browser:** any supported OS

**Safari Web Browser:** OS X

## AS2 and AS3 (SSL) Clients

Clients that are AS2 or AS3 certified by Drummond will be compatible with MOVEit File Transfer, including:

### MOVEit Central

Windows Server 2012 R1, Windows Server 2008 R2 (64-bit English and German); Windows Server 2008 (32-bit).

## SSH2 SFTP and SCP2 Clients

**Cyberduck:** OS X v.10.3 or higher

**Cyclone Commerce Interchange:** Solaris

**FileZilla:** Windows

**F-Secure SSH (including SCP2):** Solaris, UNIX, Windows

**Fugu:** OS X v.10.3 or higher

**IBM Ported Tools (OpenSSH):** z/OS

## SSH2 SFTP and SCP2 Clients

### Ipswitch WS\_FTP Pro 12.4

Microsoft Windows 8 (both 32-bit and 64-bit, English and German editions)  
Microsoft Windows 7 (32-bit and 64-bit English and German editions)  
Microsoft Windows Vista (32-bit English and German editions); Service Pack 2 (SP2) recommended

## SSH2 SFTP and SCP2 Clients

continued

Microsoft Windows XP Professional (32-bit English and German editions); Service Pack 3 (SP3) recommended  
Microsoft Windows 2008 Server Standard (32-bit English edition); Service Pack (SP2)

**J2SSH:** Java

**MacSSH:** OS X v.10.3 or higher

**Magnetk sftpdrive:** Windows

### MOVEit Central

Windows Vista Business Ed., 2003, XP Professional, 2000 Server

**NET::SFTP (uses Net::SSH::Perl):** Linux

**OpenSSH for sftp:** MVS, OS X v.10.3 or higher, Solaris, UNIX, Windows, z/OS v.1.4 or higher

**PuTTY PSCP and PSFTP:** Windows, Windows NT for Alpha

**Rbrowser:** OS X v.10.3 or higher

**SouthRiver Technologies WebDrive:** Windows

**SSH FileSystem (SSHFS):** Unix (requires OpenSSH and FUSE)

**SSH Secure Shell FTP:** Windows

**SSH Tectia Client:** AIX, HP-UX, Linux, Solaris, Windows

**SSH Tectia Connector:** Windows

**Stairways Interarchy:** OS X

**Transmit:** OS X v.10.3 or higher

**WinSCP (in SFTP mode):** Windows

## FTPS (FTP over SSL) Clients

**bTrade TDAccess:** AIX, AS/400, HP-UX, Linux, MVS, Solaris, Windows

**C-Kermit FTP:** AIX, QNX, UNIX, VMS

**Cleo LexiCom:** AS/400, Linux, UNIX, Windows

**cURL:** AIX, AmigaOS, BeOS, DOS, DragonFly BSD, FreeBSD, HP-UX, Linux, NetBSD, NetWare, OpenBSD, OS/2, OS X, QNX, RISC OS, Solaris, SunOS, Tru64 UNIX, UNIXware, VMS, Windows

**FileZilla:** Windows

**GlobalSCAPE CuteFTP Pro:** Windows

**GLUB Secure FTP:** Java

**IBM z/OS Secure Sockets FTP:** z/OS

**IniCom FlashFXP (GUI v.3.0 or higher):** Windows

**Ipswitch WS\_FTP Pro 12.4:** Windows

**LFTP:** AIX, MVS, Solaris, UNIX

### MOVEit Central

Windows Server 2012 R1, Windows Server 2008 R2 (64-bit English and German); Windows Server 2008 (32-bit).

### MOVEit Freely

Windows 8 (both 32-bit and 64-bit, English and German editions)  
Microsoft Windows 7 (32-bit and 64-bit English and German editions)  
Microsoft Windows XP Professional (32-bit English and German editions); Service Pack 3 (SP3)

**Netkit:** Linux, Solaris, UNIX

**Rhino Voyager FTP:** Windows

**Seagull Secure FTP Pro:** Windows

**SmartFTP:** Windows

**SouthRiver Technologies WebDrive:** Windows

**Stairways Interarchy:** OS X

**Sterling Commerce Connect:Enterprise:** Enterprise Command Line Client, UNIX, Windows

**Surge SSLFTP:** FreeBSD, Linux, Macintosh, Solaris, Windows

**TrailBlazer ZMOD:** OS/400

**Tumbleweed SecureTransport Clients:** UNIX, Windows

**/n software IP\*Works SSL:** Windows



# Compatible Secure File Transfer Clients

In addition to AS2, AS3, HTTPS, SFTP and SCP2-based secure file transfer clients, the following MOVEit and third-party FTPS clients can be used to securely exchange files with a MOVEit File Transfer.

## FTPS (FTP over SSL) Clients

**bTrade TDAccess:** AIX, AS/400, HP-UX, Linux, MVS, Solaris, Windows  
**C-Kermit FTP:** AIX, QNX, UNIX, VMS  
**Cleo LexiCom:** AS/400, Linux, UNIX, Windows  
**cURL:** AIX, AmigaOS, BeOS, DOS, DragonFly BSD, FreeBSD, HP-UX, Linux, NetBSD, NetWare, OpenBSD, OS/2, OS X, QNX, RISC OS, Solaris, SunOS, Tru64 UNIX, UNIXware, VMS, Windows  
**FileZilla:** Windows  
**GlobalSCAPE CuteFTP Pro:** Windows  
**GLUB Secure FTP:** Java  
**IBM z/OS Secure Sockets FTP:** z/OS  
**IniCom FlashFXP (GUI v.3.0 or higher):** Windows  
**Ipswitch WS\_FTP Pro 12.4:** Windows  
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 Windows Server 2008 (32-bit).

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Service Pack 3 (SP3) recommended

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**Rhino Voyager FTP:** Windows

**Seagull Secure FTP Pro:** Windows

**SmartFTP:** Windows

**SouthRiver Technologies WebDrive:** Windows

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**Sterling Commerce Connect:Enterprise:** Enterprise Command Line Client, UNIX, Windows

**Surge SSLFTP:** FreeBSD, Linux, Macintosh, Solaris, Windows

**TrailBlazer ZMOD:** OS/400

**Tumbleweed SecureTransport Clients:** UNIX, Windows

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## FTPS (FTP over SSL) Clients

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**Cyclone Commerce Interchange:** Solaris

**FileZilla:** Windows

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**Fugu:** OS X v.10.3 or higher

**IBM Ported Tools (OpenSSH):** z/OS

### Ipswitch WS\_FTP Pro 12.4

Microsoft Windows 8 (both 32-bit and 64-bit, English and German editions)

Microsoft Windows 7 (32-bit and 64-bit English and German editions)

Microsoft Windows Vista (32-bit English and German editions); Service Pack 2 (SP2) recommended

Microsoft Windows XP Professional (32-bit English and German editions);  
 Service Pack 3 (SP3) recommended

Microsoft Windows 2008 Server Standard (32-bit English edition); Service Pack (SP2)

**J2SSH:** Java

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**SSH Tectia Connector:** Windows

**Stairways Interarchy:** OS X

**Transmit:** OS X v.10.3 or higher

**WinSCP (in SFTP mode):** Windows

Ipswitch File Transfer provides solutions that move, govern and secure business information between employees, business partners and customers. The company's proven solutions lead the industry in terms of ease of use, allowing companies of all sizes to take control of their sensitive and vital information and improve the speed of information flow. Ipswitch lets business and IT managers govern data transfers and file sharing with confidence and enable compliance by balancing the need for end user simplicity with the visibility and control required by IT. Ipswitch File Transfer solutions are trusted by thousands of organizations worldwide, including more than 90% of the Fortune 1000, government agencies, and millions of consumers. For more information on Ipswitch File Transfer and its products, go to [www.IpswitchFT.com](http://www.IpswitchFT.com).



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