## SFT Quick Reference Guide

Revised: 03/2016

## American Express offers a wide variety of file transfer options. The information below will assist in choosing a product that best fits the customer needs.

## Network Types and Protocols

The following chart gives a brief snapshot of the network types and what protocols can be used for transport over these networks for file transfers.

Note: Although FTP, HTTP and Connect:Direct (non-encrypted protocols) are allowed over trusted networks, if the Business Partner can accommodate encryption, it should be used.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Protocol**  **Network** | **FTP/S**  **(FTP over TLS)** | **HTTP/S** | **SFTP**  **(FTP over SSH)** | **AS2** | **Connect:Direct**  **&**  **Connect:Direct**  **Secure+** |
| **Internet** | **✓** | **✓** | **✓** | **✓** |  |
| **MPLS** | **✓** | **✓** | **✓** | **✓** | ✓ |
| **VPN** | **✓** | **✓** | **✓** | **✓** | **✓** |

## File Transfer Options

American Express offers a number of IP-based file transfer options. Our intent is to use industry standard file transfer protocols whenever possible. Submitters can purchase off-the-shelf products that adhere to these file transfer options as supported by the American Express network.

While clients may choose a product not included on the examples listed for each standard, American Express Files Services cannot guarantee success of the implementation or support any special needs resulting from the product selection.

## File Transfer Changes for all Protocols:

* New URL or IP address will be utilized for file transfers.
* New Username, Password and filenames will be assigned.
* Tracking ids (random alpha/numeric string) attached to filenames.

## Recommended File Transfer Clients:

The following File Transfer Clients are recommended for use with the SFT platform. External SFT Users must procure and configure their own File Transfer Client. SFT Users must also get support for their chosen File Transfer Client directly from the software vendor. Internal SFT Users please see File Transfer Clients for SFT Users

Note that where a software version is indicated, all later software versions are also supported.

* cURL 7.19
* CuteFTP Professional version 7.0
* FileZilla 3.0.0
* IBM Mainframe client
* Igloo FTP Professional 3.9
* Ipswitch WS\_FTP Server 7.1
* LFTP 3.7.14
* OpenSSH SCP and SFTP version 3.8pl
* PuTTY SecureFile Transfer (SFTP) version 0.58
* SCP and SFTP shipped with Solaris version 2.9
* SmartFTP Client 3.0
* Tectia 5.1.3.8
* VanDyke SecureFX version 2.2.9
* WinSCP 3.8.2
* Any Client shipped with UNIX Operating System.

**Supported industry standard file transfer protocols are listed in the chart below:** *Currently, American Express is on Seeburger (SB) Managed File Transfer (MFT).*

| **Supported File Transfer**  **Standards** | **Description** | **Supported 3rd Party Products** |
| --- | --- | --- |
| **AS2**  **Supports push/pull & push/push** | This standard is a Server-to-Server HTTP-based file transfer protocol. It can be used to securely send any type of file over an IP connection (including over the Internet). SHA-2 only.  **NOTE**: AS2 protocols will require the use of a digital certificate. | n/a |
| **FTPS 🡪 TLS**  **Supports push/pull** | This is an industry standard using the FTP protocol over a TLS channel.  The list of FTPS RFC2228-compliant products recommended for use with SFT has been revised and include:  \*Cannot import client certificates.\*  **Note:** If a customer chooses to use a client other than those listed, he or she may experience unexpected results that cannot be supported by SFT. | * Curl 7.13.2 * CuteFTP Professional 7.0 * FileZilla 2.2.14 * IglooFTP Professional 3.9 * LFTP 2.6.3 * SmartFTP 1.0 * WS\_FTP Professional 2006 |
| **SFTP 🡪SSH**  **Supports push/pull & push/push** | This is an FTP-like file transfer protocol which occurs over an SSH-encrypted channel.  American Express is only able to support an **RSA Public Key**.  **Note:** If a customer chooses to use a client other than those listed, he or she may experience unexpected results that cannot be supported by SFT. | * OpenSSH SCP and SFTP 3.8pl * VanDyke SecureFX 2.2.9 * SCP and SFTP shipped with Solaris 2.9 * PuTTY * SecureFile Transfer (SFTP) 0.56 * CuteFTP Professional 7.0 * FileZilla 3.0.0 |
| **Connect:Direct and Secure +**  **Supports push/push** | Connect:Direct is a software package that provides data transfer capabilities in diverse operating system environments. | Sterling Commerce, MVS (OS390) |
| **HTTPS**  **Supports push/pull** | HTTP with TLS encryption for security. | * CuteFTP Professional,   version 8.1   * WS\_FTP Professional T128 version 2007 * LFTP version 3.5.10 * Curl version 7.17.x * FileZilla version 3.0.x * IglooFTP Professional version 3.9 * SmartFTP version 1.5 / 2.0 / 2.5 |
| **Standard Web Browser**  **Supports push/pull** | This option works with any standard web browsers. It is intended for interactive file transfer clients. | * Microsoft Internet Explorer 6.0 SP1 * Netscape Navigator 7.1 and 7.2 * Mozilla FireFox 1.0.4 |

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## What does push/pull mean?

## Push means: The customer will need to initiate the file transfer to American Express. For example, any file that is being sent to American Express the customer will have to push (initiate/Upload) the file. (Ex: Settlement file, Payment file etc.)

## Pull means: The customer will need to initiate the file transfer to download the file from American Express. For example, any file that the customer is expecting to receive from American Express. (Confirmation reports, EPRAW, EPTRN, etc.)

## What does push/push mean?

## Push means: The customer will need to initiate the file transfer to American Express. For example, any file that is being sent to American Express the customer will have to push (initiate) the file transfer. (Settlement file)

## Push means: American Express will initiate the file transfer and push it directly to the customer. For example, any file that the customer is expecting to receive from American Express. (Confirmation reports, EPRAW, EPTRN, etc.)