# SFTP Smart Services

This plugin provides various Appian Cloud compatible Smart Services and functions for managing files and directories over SFTP, FTP and FTPS.

### Configuration Object : FT\_Config

| Name | Data Type | Description |
| --- | --- | --- |
| serverHostName | Text | The hostname of the server to connect to. |
| serverPort | Number | The port to connect over |
| scsExternalSystemKey | Text | The external system key as specified in the secure credentials store. |
| usePerUserCredentials | Boolean | Set to true to use per user credentials rather than per system credentials. |
| privateKeyFile | Document | Document containing the Private Key. |
| timeout | Number | Sets the connection timeout in milliseconds |
| keepAliveTimeout | Number | Sets how long to wait for control keep-alive message replies in milliseconds. |
| activeMode | Boolean | Sets to local active mode if set and local passive mode otherwise. |
| knownHostsFile | Document | Document containing the list of known hosts. |

## (SFTP/FTP/FTPS) Receive File

Downloads a file over the protocol converting it into an Appian document.

### Data Tab

| Input | Data Type | Required | Multiple | Description |
| --- | --- | --- | --- | --- |
| File Transfer Configurations | Any Type | Yes | No | The external system key as specified in the secure credentials store. |
| Remote File Path | Text | Yes | No | Full path where the document is located on the remote server, including the remote file name. |
| Folder to Save Into | Folder | No | No | If specified, the file from the SFTP server will be uploaded to this folder as a new document. Do not specify both Destination Folder and Destination Document. |
| Destination Document | Document | No | No | If specified, the file from the SFTP server will be uploaded as a new version of this document. Do not specify both Destination Folder and Destination Document. |
| Document Name | Text | No | No | If no name is provided, the remote filename will be used. |
| Document Description | Text | No | No | Description of the document. If not specified, it will be set to “Transferred via SFTP”. |

| Output | Data Type | Multiple | Description |
| --- | --- | --- | --- |
| New Document | Document | No | Document created after downloading from the SFTP server. |
| Error | Text | No | Error messages |
| Status | Text | No | Status Message |

## (SFTP) Create Folder

Creates a new directory over SFTP.

### Data Tab

| Input | Data Type | Required | Multiple | Description |
| --- | --- | --- | --- | --- |
| File Transfer Configurations | Any Type | Yes | No | File Transfer Configurations (FT\_Config) |
| Remote File Path | Text | No | No | Full path where the document is located on the remote server, including the remote file name. |

| Output | Data Type | Multiple | Description |
| --- | --- | --- | --- |
| Error | Text | No | Error messages |
| Status | Text | No | Status Message |

## (FTP, FTPS, SFTP) Get Remote Folder Contents

Lists contents of remote folder over SFTP/FTPS/FTP.

### Data Tab

| Input | Data Type | Required | Multiple | Description |
| --- | --- | --- | --- | --- |
| File Transfer Configurations | Any Type | Yes | No | File Transfer Configurations (FT\_Config) |
| Server File Path | Text | No | No | Full path and filename of the remote file to get contents. |

| Output | Data Type | Multiple | Description |
| --- | --- | --- | --- |
| Contents | FT\_FolderContent | Yes | List of contents of server file path. |
| Error | Text | No | Error messages |
| Status | Text | No | Status Message |

## (FTP/SFTP) Remove File

Removes a file over SFTP or FTP.

### Data Tab

| Input | Data Type | Required | Multiple | Description |
| --- | --- | --- | --- | --- |
| File Transfer Configurations | Any Type | Yes | No | File Transfer Configurations (FT\_Config) |
| Remote File Path | Text | Yes | No | Full path where the document is located on the remote server, including the remote file name. |

| Output | Data Type | Multiple | Description |
| --- | --- | --- | --- |
| Error | Text | No | Error messages |
| Status | Text | No | Status Message |

## (FTP/SFTP) Renames File

Renames a file over SFTP or FTP.

### Data Tab

| Input | Data Type | Required | Multiple | Description |
| --- | --- | --- | --- | --- |
| File Transfer Configurations | Any Type | Yes | No | File Transfer Configurations (FT\_Config) |
| Old Remote File Path | Text | Yes | No | Full path where the document is located on the remote server, including the remote file name. |
| New Remote File Path | Text | Yes | No | Full path where the document is going to be moved to, including the remote file name (only change that part in case of simple file renaming). |

| Output | Data Type | Multiple | Description |
| --- | --- | --- | --- |
| Error | Text | No | Error messages |
| Status | Text | No | Status Message |

## (FTP/FTPS/SFTP) Send File

Send a file over FTP, FTPS or SFTP, converting from an Appian Document.

### Data Tab

| Input | Data Type | Required | Multiple | Description |
| --- | --- | --- | --- | --- |
| File Transfer Configurations | Any Type | Yes | No | File Transfer Configurations (FT\_Config) |
| Remote File Path | Text | Yes | No | Full path of where to transfer the document to on the remote server, including the remote file name. |
| Source Document | Document | Yes | No | Document to upload to the server. |

| Output | Data Type | Multiple | Description |
| --- | --- | --- | --- |
| Error | Text | No | Error messages |
| Status | Text | No | Status Message |

## (FTP/FTPS/SFTP) Retrieve Files In Folder

Retrieve files in folder over FTP, FTPS or SFTP.

### Data Tab

| Input | Data Type | Required | Multiple | Description |
| --- | --- | --- | --- | --- |
| File Transfer Configurations | Any Type | Yes | No | File Transfer Configurations (FT\_Config) |
| Remote Folder Path | Text | Yes | No | Path of the folder on remote server. |
| Destination Folder | Folder | Yes | No | The destination directory on local to store the file. |

| Output | Data Type | Multiple | Description |
| --- | --- | --- | --- |
| Error | Text | Yes | List of numeric error code if not successful. |
| Files | Document | Yes | List of the documents retrieved. |
| Status | Text | No | Status of the smart service call. |