

Conceptual Solution & Technical Specification

SFTP ADAPTER

The intelligence SFTP adapter is designed as an integrated SAP PI adapter for direct integration in the SAP adapter framework. This does away with the need for additional SFTP applications that would otherwise have to be connected upstream or downstream of an SAP PI.

As a result, the functions available with the intelligence SFTP adapter feature a range of once-proprietary SFTP client applications in a central SAP Process Integration (SAP PI) or SAP Exchange Infrastructure (SAP XI). This integration allows the comprehensive monitoring and alert functions to be used for all incoming and outgoing files in a central SAP XI or SAP PI.

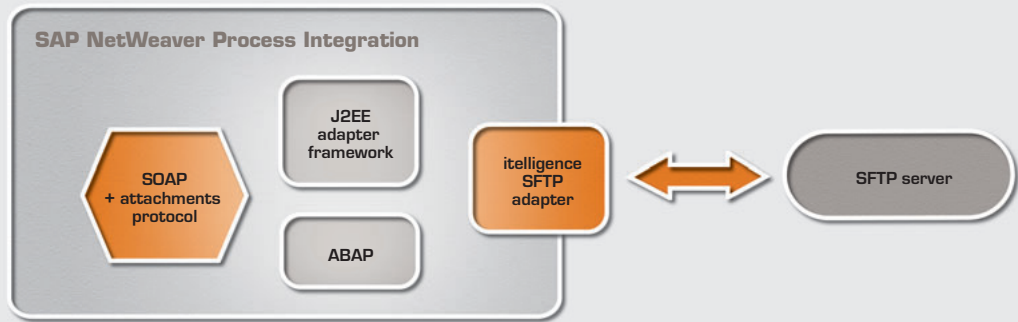
The SFTP adapter can also be used as an additional module of the it.x-change product and, as an optional module, is fully compatible with previous it.x-change products.

For authentication on the SFTP server, the following options are available:

- User name and password
- Public key

All the SFTP-relevant settings can be adapted in the configurations of the individual communication channels and the authentication variants selected in the communication channel settings as required.

Functional Overview



Technical Specification

| Functionality | Supported |
|--|-----------|
| Loading files from/to SFTP server | ✓ |
| SFTP protocol 0-3 by means of SSH2 | ✓ |
| SFTP authentication with password or private key | ✓ |
| SOCKS4, SOCKS5 or HTTP proxy (SFTP) | ✓ |
| File selection through regular expressions | ✓ |
| Loading additional files as attachments | ✓ |
| File control through separate handling of empty files, maximum file size, duplicate and modification check | ✓ |
| Delivery semantics: "exactly once", "exactly once in order" and "best effort" | ✓ |
| Archiving of processed files on PI and/or SFTP server | ✓ |
| Adapter-specific message attributes for file name, directory, file size, modification date and SFTP host | ✓ |
| Server polling based on day of week and time of day | ✓ |
| Setting file authorizations | ✓ |
| SAP adapter and communication channel configuration | ✓ |

Supported SPs

The following service packs are supported:

- XI 3.0 from SP 16
- XI 7.0 from SP 9
- PI 7.1 from SP 6
- PI 7.11 from SP 3

Potential Customers

SAP

- Customers who are interested in introducing SAP PI and who need to support SFTP

Non-SAP

- Customers who already use a proprietary SFTP adapter and want to replace it with an integrated SAP solution
- Customers who are bound to SFTP communication due to existing partners

The itelligence it.x-family

With it.x-change and it.x-atlas, we offer alongside the various technical adapters a range of solution modules based on SAP NetWeaver Process Integration (SAP NW PI, formerly SAP NW XI). it.x-change is a sophisticated EDI solution that enables your business contacts (clients, suppliers and so on) to link to your IT systems easily and securely.

As an exporter, the certified solution it.x-atlas allows you to implement the electronic connection to the ATLAS export procedure of the German customs authorities, legally required as of July 1, 2009. it.x-idee is a similar solution that has already been implemented for Switzerland. Other countries will follow step by step.