

## Conceptual Solution & Technical Specification

# HTTP ADAPTER

The intelligence HTTP adapter is designed as an integrated SAP PI adapter for direct integration in the SAP adapter framework to bypass the restrictions of the standard HTTP and SOAP adapter.

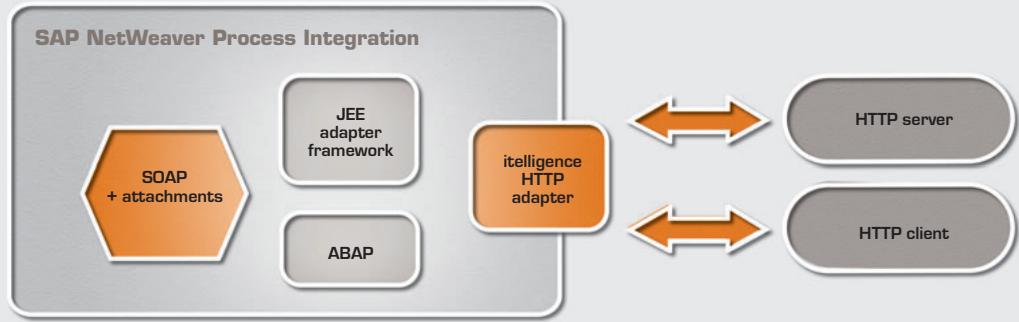
Since the intelligence HTTP adapter runs as a JCA adapter in the Java stack of the SAP PI, it can be used on a distributed advanced adapter engine as well as in integrated configuration scenarios. The module configuration can also be changed as required and all HTTP request variants (GET, POST and so on) are supported.

This functionality means that many HTTP and REST scenarios either are drastically simplified or become possible in the first place. This integration allows the comprehensive monitoring and alert functions to be used for all incoming and outgoing files in a central SAP PI.

The HTTP 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.

All the relevant settings can be performed in the configurations of the individual communication channels.

**Functional Overview**



**Technical Specification**

Functionality	Supported
Loading files from/to HTTP server	✓
HTTP 1.1	✓
HTTPS	✓
Connection via HTTP proxy server	✓
Transfer dynamic content of XML message to URL	✓
HTTP POST, PUT, GET, HEAD, DELETE and TRACE requests	✓
Delivery semantics: "exactly once", "exactly once in order" and "best effort"	✓
SAP adapter and communication channel configuration	✓

**Supported SPs**

PI 7.1 as of SP 6 and PI 7.11 as of SP 3 are supported.

**Potential Customers**

**SAP**

- Customers who want to run an HTTP communication scenario exclusively in the advanced adapter engine
- Customers who need to support other request types than POST

**Non-SAP**

- Customers who already use a proprietary HTTP connection and want to replace it with an integrated SAP solution
- Customers who are bound to HTTP 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.