

Conceptual Solution & Technical Specifications

AS2 ADAPTER

SAP XI/PI integration & handling

The intelligence AS2 adapter has been designed as an integrated SAP XI/PI adapter and developed for direct integration in the SAP Adapter Framework in order to connect to AS2 partners.

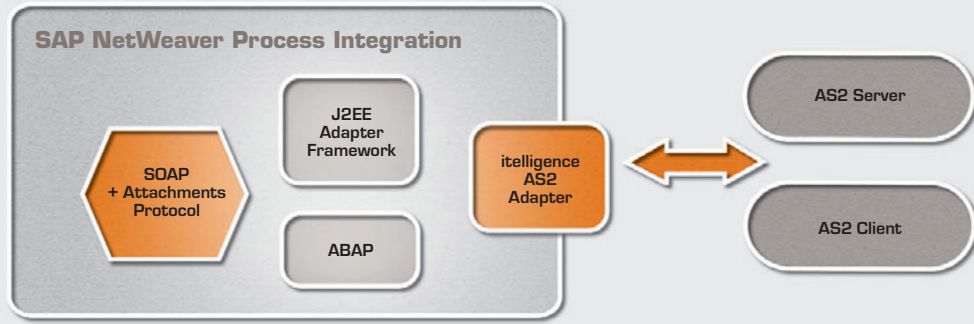
That means the intelligence AS2 adapter can utilize its functionality to integrate previously proprietary AS2 client and server applications in a central SAP NetWeaver Process Integration (SAP PI) or SAP NetWeaver Exchange Infrastructure (SAP XI). This integration enables the use of extensive monitoring & alerting functionalities for all incoming and outgoing AS2 messages within a central SAP NetWeaver XI or SAP NetWeaver PI platform. The AS2 adapter serves as a further module of the product it.x-change and, as an optional module, is fully compatible with previous it.x-change products. The communication protocol used is the MIME-Based Secure

Peer-to-Peer Business Data Interchange Using HTTP, Applicability Statement 2 (AS2) as per RFC 4130. The following protocols are available for the transport:

- Outgoing HTTP(S)
- Outgoing HTTP(S) via HTTP proxy
- Incoming HTTP infrastructure of the SAP WEB-AS

The partners are always connected via the tried-and-tested HTTP protocol. The AS2 process is a clear choice thanks to its effective firewall administration capability, signature, encryption, return receipt and rapid response times. The protocol enables authentication by URL, sender, recipient, subject, message ID, signature and encryption via X.509 certificates and RSA private keys. All AS2-relevant settings can be adapted in the configuration of the individual communication channels. As incoming communication channels utilize the

Functional overview



existing WebAS infrastructure, you benefit from the existing HTTP properties such as encryption, authentication and load balancing.

Technical specifications

Supported feature	Supported
Client for outgoing transfers	✓
Server for incoming transfers	✓
HTTP(S)	✓
HTTP(S) via HTTP(s) proxy	✓
Dynamic URLs for incoming connections	✓
Authentication/mapping of partners via AS2-Sender, AS2-Recipient, Message-subject and Message-ID	✓
Message de- and encryption	✓
Message signing and verification	✓
Synchronous and Asynchronous Message Disposition Notification for outgoing messages	✓
Synchronous Message Disposition Notification for incoming messages	✓
Asynchronous Message Disposition Notification for incoming messages	✓
AS2 compression/decompression	-
Charset re-encoding for messages	✓
Exactly Once (EO) message service	✓
Exactly Once In Order (EOIO) and sync. message service	✓
SAP Adapter and Communication Channel Configuration panel	✓

Potential customers

SAP

- Customers interested in introducing SAP PI in order to support AS2 as a feature
- Customers interested in introducing SAP PI and who have to support AS2

Non-SAP

- Customers who already utilize a proprietary AS2 adapter and who wish to replace this with an integrated SAP solution
- Customers for whom AS2 communication is essential on the basis of existing partners

Supported SPs

XI 3.0 from SP 16 upwards, PI 7.0 from SP 9 upwards and PI 7.1 from SP 6 upwards are supported.

The itelligence it.x-family

Besides the various technical adapters, with it.x-change and it.x-atlas we also offer further solution modules based on the SAP NetWeaver Process Integration (SAP NW PI/ formerly SAP NW XI). it.x-change is a fully developed EDI solution enabling your business partners (customers, suppliers etc.) to connect to your IT systems simply and securely.

As an exporter, the certified it.x-atlas solution will allow you to meet the statutory requirements for electronic connection to the ATLAS export procedure of the German Customs Administration that will come into effect from July 1, 2009 onwards. A similar solution is already available for Switzerland with it.x-idee. Other countries will follow step-by-step.