

Conceptual Solution & Technical Specification

OFTP2 ADAPTER

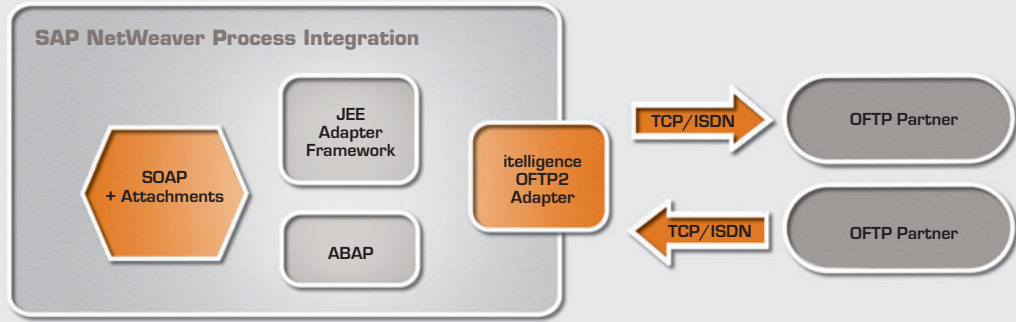
The intelligence OFTP2 adapter has been designed as an integrated SAP NW PI adapter and developed for direct integration in the SAP Adapter Framework. This does away with additional external applications which have previously executed the OFTP communication upstream or downstream of an SAP NW PI. It will be possible for all incoming and outgoing OFTP messages to make optimal use of the extensive monitoring and alerting functionalities of the central process integration platform. The OFTP2 adapter harmonizes perfectly with the EDIFACT/VDA converter it.x-change produced by intelligence AG, and, as an optional module, is fully compatible with other it.x-change products.

The intelligence OFTP2 adapter is downwardly compatible, and thus supports all protocol versions of the 1.X series (RFC 2204, RFC 5024)

in addition to OFTP 2.0. Certification by Odette Ltd. International guarantees complete compatibility with OFTP software from other manufacturers.

Particularly in the field of data security, the OFTP2 protocol – the successor of OFTP – offers many advantages: modern mechanisms such as encryption of the transport layer by means of TLS as well as encryption, signature and compression at message level via CMS ensure the confidentiality and authenticity of your data, even via high-speed and cost-effective Internet connections via TCP/IP. In addition, OFTP2's dedicated "end-to-end responses" guarantee confirmed data receipt. The opportunity to use different certificates for the security mechanisms ensures a very high degree of security, even in complex infrastructures.

Functional Overview



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Unlike other certificate-based, cryptographic protocols, OFTP2 also implements automatic certificate exchange: once a connection has been created, your partners' certificates are automatically filed away in the secure keystore and can be used without any production downtime. This means that certificates do not have to be exchanged manually.

Authentication of the partners against the trusted services list administered by Odette Ltd. Reduces the user's own workload while maintaining the highest possible security.

Technical Specification

Functionality	Supported
OFTP version 2	✓
OFTP version 1.x	✓
TCP	✓
ISDN	✓
TLS encryption of the transport layer with client authentication	✓
CMS encryption, signing and compression of the messages	✓
Authentication via cryptographic handshake	✓
Automatic authentication against the Odette trusted services list, i.e. full support of Odette PKI	✓
Automatic exchange of certificates	✓

Potential Customers

- Customers with an existing OFTP1 infrastructure who want to use the advantages of OFTP2
- Customers who want to offer their partners a connection via OFTP

Requirements

XI 3.0 from SP 16 upwards, XI 7.0 from SP 9 upwards, PI 7.1 from SP 6 upwards and PI 7.11 from SP 3 upwards are supported. A Funkwerk BinTec R4100 router is required for ISDN transmission. Encryption of the transport layer via TLS is not possible via ISDN.

Optimal addition: OFTP2 standalone gateway

In addition to the certified OFTP2 adapter, we also offer an itelligence OFTP2 standalone gateway. The gateway can be used for OFTP2 communication in the DMZ if there is to be no direct connection between SAP NW PI and external partners. Compared with a decentral adapter engine, it offers lower hardware requirements, and a single gateway can be used to connect several PI systems.

Both products are optimally matched to each other, and implement their OFTP2 communication easily and efficiently.