



SAP NetWeaver Process Integration (SAP NW PI)

it.x-change: EDI message processing  
in standard SAP

With it.x-change, you can simplify your EDI communication

# The simplest possibility for seamless communication with your business partners

» it.x-change provides you with a certified EDI solution in standard SAP that allows you to easily and effectively process your EDI communication without the use of additional external systems.«

itelligence AG, Bielefeld

**SAP® Certified**  
Powered by SAP NetWeaver®

To gain maximum benefit from customer and vendor relationships, a solution is needed that can design flexible, lean business processes within and between companies. Inter-enterprise collaboration is enabled by the exchange of business documents based on various EDI message standards (including UN/EDIFACT and VDA). Previously, a large number of different software and hardware components were required to meet this demand and it was difficult to monitor the complete message flow.

## SAP NW PI and it.x-change

With the SAP middleware component SAP NetWeaver Process Integration (SAP NW PI, previously SAP NetWeaver Exchange Infrastructure), SAP supports the integration process and enables the efficient connection of business partners. SAP NW PI is a powerful, comprehensive and open integration solution that connects different systems with adapters and monitors the message transport centrally in its role as a central data hub. itelligence developed the it.x-change EDI solution on the basis of this standard. it.x-change is a solution for processing message standards. It converts standardized messages in R/3-compliant IDOCs or other formats as well as outgoing IDOC messages into standard EDI messages.

The itelligence EDI converter has been certified by SAP AG. With its "Powered by SAP NetWeaver" status, it is listed in the SAP product matrix of NetWeaver-certified solutions. it.x-change is ABAP-based and fully integrated into the SAP NW XI environment. Owing to the integration in the SAP transport system and use of other SAP components for monitoring and controlling, in

particular, it.x-change is defined as a solution that can be fully integrated into existing SAP landscapes and adapted to customer needs using SAP-internal development tools.

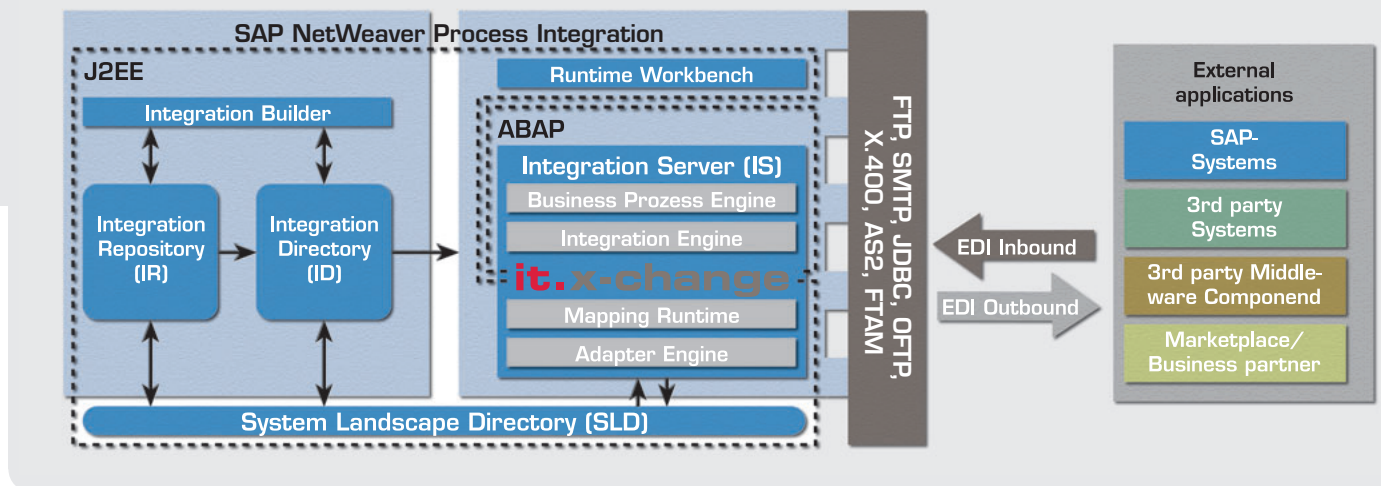
## it.x-change messaging standards and types

Different messaging standards can be processed by it.x change. Currently supports the following standards: **UN/EDIFACT, VDA, ODETTE, ANSI X.12, EANCOM** and **TRADACOM**. For each of these messaging standards it.x-change include all common message types and a large pool of ready-mappings.

The complete processing steps are logged in detail for all incoming and outgoing messages. All data can be archived using SAP procedures, as well as archiving systems from other providers. In addition, it.x-change also allows a simple enhancement of message types that deviate from the EDI standards supplied in terms of structure and semantics.

## Functional Extensions – the Family of Adapters from itelligence

We offer various adapters to optionally extend it.x-change. These adapters permit you to use different communication channels in order to effectively connect to different business partners (customers, suppliers and partners). All adapters are conceived as integrated SAP NW XI/PI adapters and therefore use the extensive monitoring and alerting functionalities of SAP NW XI/PI. SAP AG has also certified the itelligence AS2,



FTAM, OFTP2, SFTP und X.400 adapters to confirm that they interact reliably with the SAP NW PI middleware component. In addition, the OFTP2 adapter has been certified by ODETTE, an association of automotive groups in Europe that sets standards for electronic data interchange and logistics management. The following adapters are available:

- SAP NW PI AS2 adapter
- SAP NW PI FTAM adapter
- SAP NW PI GXS adapter
- SAP NW PI HTTP adapter
- SAP NW PI OFTP2 adapter
- SAP NW PI SFTP adapter
- SAP NW PI X.400 adapter

### Our many Years of Project Experience

With it.x-change, you have a mature EDI solution based on SAP standards at your disposal. Based on our many years of project experience, you can not only access a large pool of predefined mappings that have been successfully implemented in practice, but also talk with our experienced hotline support team that provides support on all issues in the area of EDI communications. Additional information regarding it.x-change can be found at: <http://it-x-change.itelligence.de/en>

### The itelligence it.x-product Family

- Connection to customs authorities with it.x-atlas: <http://it-x-atlas.itelligence.de/en>
- Connection to CEPs with it.x-press: <http://it-x-press.itelligence.de/en>

### Use it.x-change

There are many excellent reasons for using it.x-change:

- Central installation based on the SAP standard (SAP NW PI)
- No additional third-part products such as EDI subsystems or EDI managers are required
- Comprehensive support and maintenance offerings provide security and investment protection
- Simple handling enables it.x-change customers with ABAP knowledge to make their own adjustments with ease

### it.x-change EDI services

itelligence rounds off its EDI offering with a versatile service package.

This includes:

- Implementation of new business processes, e.g. order change request, order response etc. in SAP NW PI
- Implementation of communication profiles for EDI data exchange with communication partners
- Message type changes

### SAP NW PI consulting services

We support you in the implementation of SAP NW PI and it.x-change with our tried and tested service packages and competent consulting skills. We provide you with fast and efficient integration of your business processes based on EDI standards using:

- ASP and hosting services
- Installation and Administration
- Consulting/Remote Services
  - Business partner connection
  - Message monitoring
  - Change requests
  - Help desk
  - Archiving
  - Reporting
  - Problem monitoring
  - Performance optimization
  - Miscellaneous communication adapters
- Training/Coaching

To integrate your systems, you need appropriate solutions, modern technology and a trendsetting strategy!



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### Technology Consulting

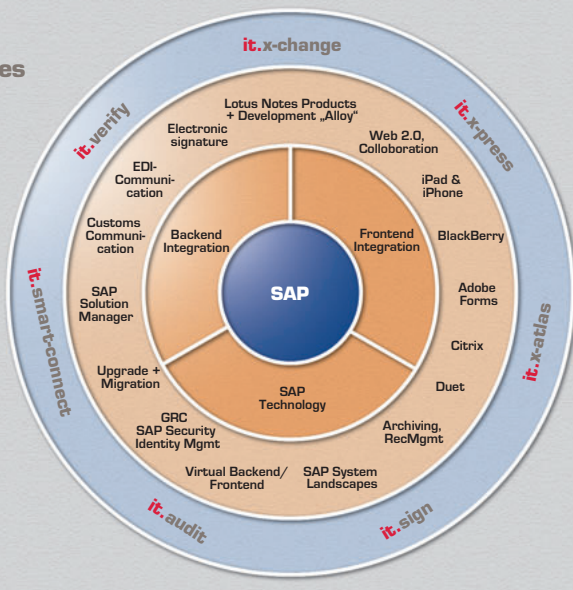
The Technology Consulting division of itelligence AG offers you the highest level of technical competence. itelligence can draw upon many years of expertise in the integration of backend systems and applications in the frontend area. We provide our technical services throughout the entire life cycle of your SAP system.

### SAP technology Consultation

For planning, construction and operation of complex, multilevel SAP system environments, our experts with SAP-based project experience are available to address the following areas:

- Planning of high-quality SAP NetWeaver system environments
- Release changes of all SAP system components
- Database and operating system platform migrations
- Performance analyses
- SAP authorization and security concepts
- Administrator workshops
- Conversion to unicode
- SAP data archival and document management
- SAP Solution Manager Technology integration

### Our Technology Consulting Services



- Products
- Consulting

### Technology Integration

In addition to competence in SAP technology, itelligence offers you extensive expertise in:

- System integration and
- Application integration

Here, we accompany the customer process from IT strategy and process consulting to the selection of solutions, consulting and implementation and operation of the systems. In particular, we have distinct knowledge and experience in the following areas:

- SAP-Lotus Notes integration
- SAP-Adobe integration
- SAP security

### Branches

- Austria, Vienna  
Phone: +43-1-879 42 00-0
- Belgium, Brussels  
Phone: +32-2 290 12 12
- Canada, Montreal  
Phone: +1-514 336 3666
- China, Shanghai  
Phone: +86-21-5208 0750
- Czech Republic, Prague  
Phone: +420-2-516 119 21
- Germany, Bielefeld  
Phone: +49-521-9 14 48-0

- Great Britain, Reading  
Phone: +44-203-162 37 00
- France, Paris  
Phone: +33-1 40 86 22 31
- Hungary, Budapest  
Phone: +36-1-452 38 00
- Malaysia, Cyberjaya  
Phone: +603-8312 6200
- Netherlands, Eindhoven  
Phone: +31-40 296 86 00
- Poland, Warszawa  
Phone: +48-22-543 19 00
- Russia, Moscow  
Phone: +7 495 974 19 17/18

- Slovakia, Bratislava  
Phone: +421-2-572 02 211
- Slovenia, Ljubljana  
Phone: +386-1-242 70 30
- Spain, Barcelona  
Phone: +34-93-4 67 46 90
- Switzerland, Regensdorf  
Phone: +41-44-7 35 85 55
- Ukraine, Kiev  
Phone: +380-44-494 28-83
- USA, Cincinnati (Ohio)  
Phone: +1-513-956 20 00