

A decorative graphic consisting of a vertical stack of four blue squares of varying sizes, arranged in a stepped pattern.

TransConnect® – Business Integration Platform

➤ Universal server for data,
applications and business
processes integration



TransConnect® – Business Integration Platform

- Real time message based integration
- Synchronous and asynchronous operating
- Universal adapter concept
- Standardized XML technologies
- Central hub and spoke architecture
- Service Oriented Architecture (SOA) solution base

TransConnect® is the central server platform to realize a scalable integration architecture. It allows a realtime interaction of your systems.

Universal adapters open the gate to link of many different resources and offer also the necessary openness and flexibility for the future. A solid and transaction-safe server, based on standard XML-technologies together with a certified SAP adapter takes care of the necessary data integrity.

Integration by TransConnect® - starting from a simple front-end integration up to the a fail-safe high availability platform.

Integration – a known topic with actual challenges

Today most of the running application integration systems grow depending on current requirements. This ad-hoc integration directly connects individual applications using several different technologies.

With increasing number of systems this results typically in the well known so called "spaghetti"-integration. The resulting higher administration and maintenance costs as well as the expanding complexity require a suitably Business Integration.

TransConnect® reduces the number of interfaces by introducing a central integration platform.

The adapter concept causes a standardization of the whole architecture and reduces the technology-mix.

TransConnect® supports the integration of data pools, applications and business processes.

TransConnect® sample applications

In the **Banking** sector TransConnect® is successfully used to integrate high special asset management systems and the financial modul of SAP R/3.

With considerable enterprises of **Industry** TransConnect® ensures the consistency of application data between external cost-accounting systems and the controlling modul of SAP R/3.

In **Telecommunication** business TransConnect® serves as a central platform to organize SAP R/3 requests from a large number of offices.

TransConnect® is used as EAI-platform in many **eCommerce** applications in Germany and Switzerland. This applications contain, beside processing of online orders, the synchronisation of master data between e-Shop and SAP as well as the online-check of material availability using SAP.

In **Health service** TransConnect® intergrates specific facility-management systems with SAP modules like

Integration with TransConnect® – the concept

TransConnect® is the platform to integrate many different applications. The TransConnect® server, based on a J2EE standard application server, is the central element of the TransConnect® system.

Universal adapters encapsulate the properties and functionalities of the end systems at an abstract level of technology.

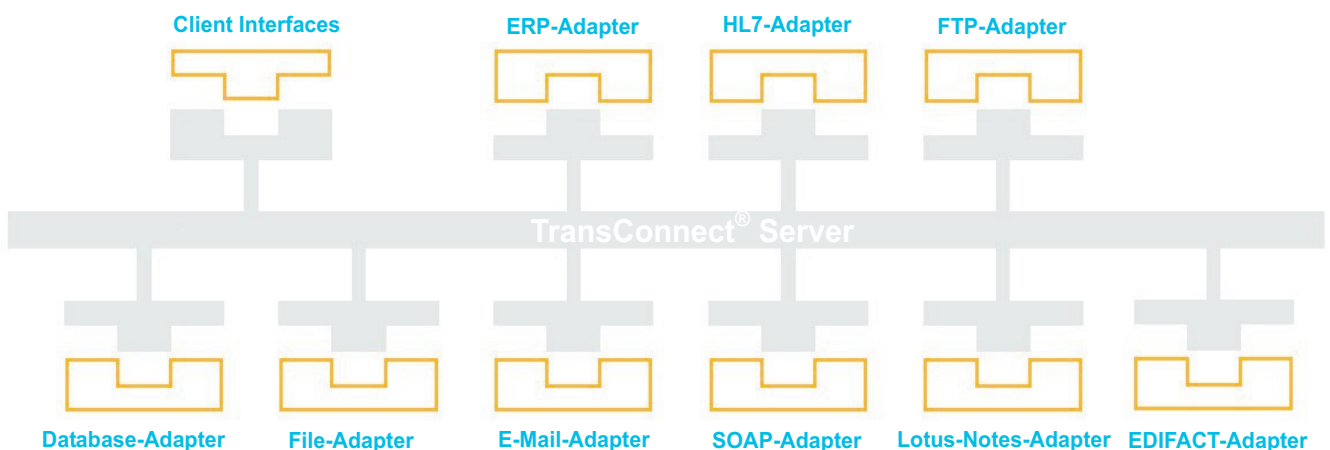
The TransConnect® server includes a transport system to distribute data objects. Routing systems are used to control the data transfer. They are freely configurable by XML.

TransConnect® also contains mapping systems to adjust data structures of the integrated applications. They can be configured using XML which makes data transformation an easy job.

As TransConnect® offers many adapters, it is possible to link a great variety of different systems. Database adapters open the gate to the world of relational database systems. Web- and E-Mail-adapters provide access to internet systems. The TransConnect® - SAP-adapter integrates an SAP-System using ALE-, BAPI- or RFC-Interface. So the TransConnect® Adapter Technology is an excellent approach to add new applications or replacing existing ones at any time.

TransConnect® - Features Overview

- **Server-based architecture** for message processing including routings and mappings completed by adapters for different surrounding requirements enables efficient application development, easy maintenance and administration
- Several client interfaces and the extensible concept of adapters create a base for **high-level connectivity**
- Existing adapters for a lot of end systems, for instance a **SAP certified ERP-adapter**, and an API for an easy development of customer specific adapters.
- **Safety and consistency** by secure processing of asynchronous messages. Synchronous processing of real-time messages.
- In case of system failures **recovery** guarantees that no message will be lost or processed repeatedly
- **Bi-directional communication** by adapters and client interfaces
- **Content-based routings** of messages between the end systems
- **Metadata repository** to manage routings, mappings, messages, and adapter configurations
- Administration and monitoring of remote TransConnect®-deployments.
- **Strict recording and tracing** of all working steps



Product overview

Product designation

- TransConnect®

Product description

- universal integration server for enterprise-wide on-line system integration
- message based and bi-directional communication

System requirements

- Double-Core processor at least 2 GHz
- 4 GB RAM
- 100 GB HDD

Operating system

- Windows XP-SP3, 2000, 2003 and higher
- Linux

Features



- central server to realize the integration architecture (Hub-and-Spoke)
- smooth integration in Service Oriented Architectures (SOA)
- TransConnect® procedural model
- universal adapters for bi-directional interaction and communication with end systems
- asynchronous function mode for the independent operation of the integrated systems
- synchronous function mode for operation in real time environments
- Using standard XML message formats

Connectivity

existing adapters for the binding of:

- SAP R/3 systems with ALE, BAPI and RFC (certified and SAP release-independently)
- SQL databases
- E-Mail systems
- File systems
- XML systems
- Webservices
- HL7-, HCM-systems
- Lotus Notes
- ELSTER-Lohn
- EDIFACT-Adapter (BNA, B2MML)
- lab systems (LDT)
- Microsoft Office
- MS-Middleware
- HCM
- DICOM-Worklisten

access to the central TransConnect® Server via:

- HTTP
- RMI-IIOP
- Webservices
- SAP RFC
- HL7

Guarantee

- the persistence layer prevents against losing messages and duplicate processing

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