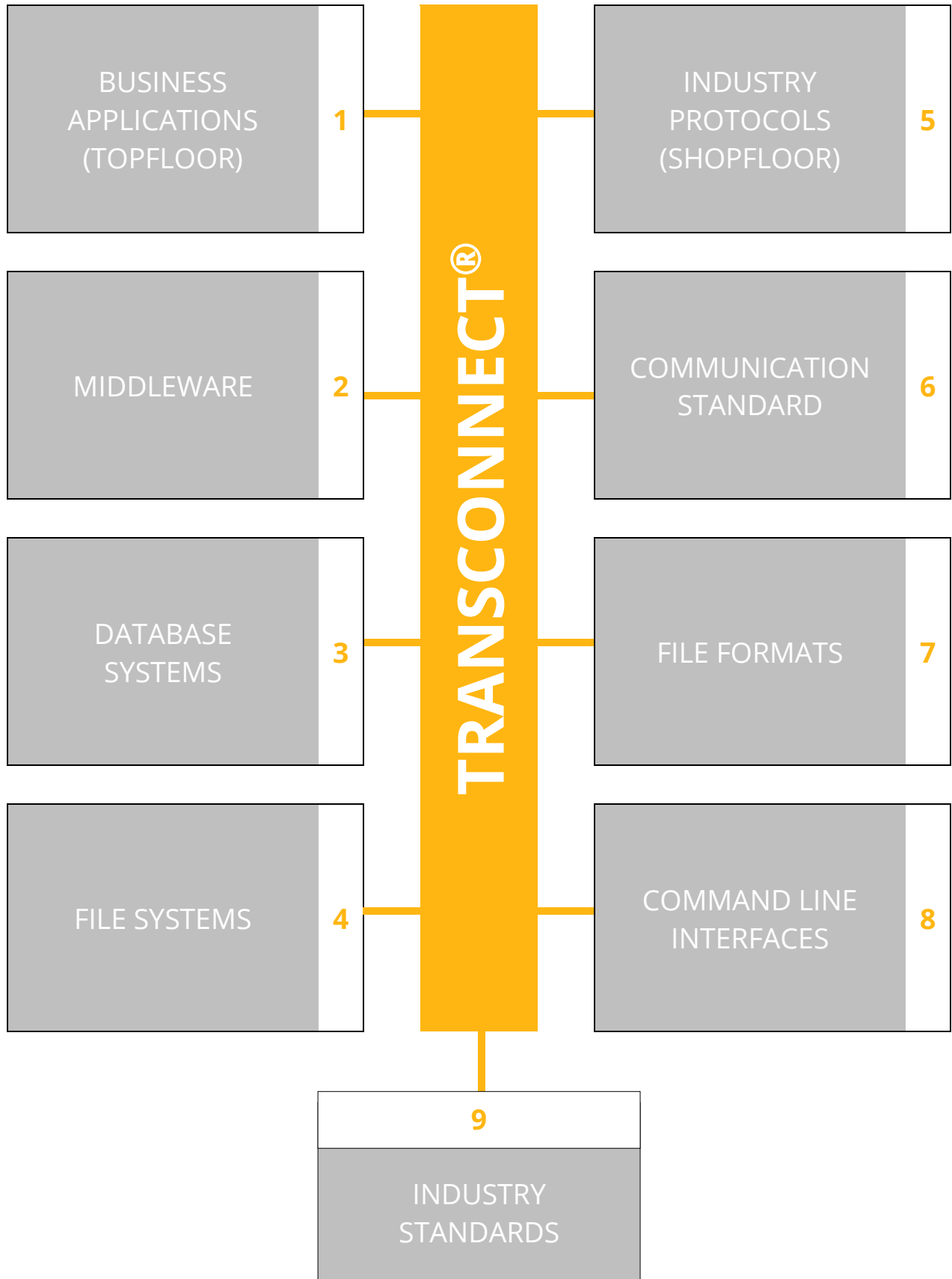


TRANSCONNECT® interface overview



Interface overview

1 BUSINESS APPLICATIONS (TOPFLOOR)

Software system	TRANSCONNECT® adapter
ABAS ERP	HTTP
Agfa Healthcare ORBIS	HL7
Apriso Fexnet Track&Trace	HTTP-adapter
Caesar UMS (Unified Messaging Service)	LDAP-adapter
Dassault 3D Experience	webservice adapter and HTTP-adapter
Dassault Catia (V6)	command adapter
Dynamark Beschriftungslaser	project-specific
egemin E'tricc Fahrerlose Transportsysteme (BAT)	project-specific
Enaio DMS	HTTP
ENOVIA SmarTeam	webservice-adapter and database-adapter
fliegel data fd-klinika	HL7
GEPADO Xpro	HTTP HL7 LDT
GICON CoCheck	database
Gutenberg Rechenzentrum VI&VA	ERP-adapter SAP
HubSpot CRM	HTTP
IBM Notes	Lotus Notes Domino
inconso Logistics Suite	Database
Individualsoftware	Plugin development of own adapters
Labware Laborinformationssystem	HL7
Logopak Etikettiermaschinen	project-specific
MES/CAQ (e.g.. ZEROdefects)	HTTP
Microsoft Dynamics AX	HTTP webservices file system
Microsoft Dynamics NAV	HTTP webservices
Microsoft SharePoint	file system
Microsoft Outlook	E-Mail
Odoo ERP	webservices
OrCAD	file system
P&I HCM	Webservice file system
P&I LOGA	Webservice file system
PACS	DICOM
Phillips iSHospital	file system
Robotron eCount	Database
Salesforce CRM	Database
SAP BW	ERP-Adapter SAP
SAP CO	ERP-Adapter SAP
SAP CRM	ERP-Adapter SAP
SAP ERP	ERP-Adapter SAP
SAP FI	ERP-Adapter SAP
SAP IS-H/IS-H*Med	ERP-Adapter SAP HCM
SAP IS-U	ERP-Adapter SAP

SAP PM	ERP-Adapter SAP
sou matrixx	Plugin Database
swisslog logistik center	Database-adapter

2 MIDDLEWARE

System	TRANSCONNECT® adapter
Apache ActiveMQ	<p>The TRANSCONNECT® JMS-Adapter can be used for these systems.</p>
Apache Apollo	
Apache Qpid	
Coridan MantaRay	
FioranoMQ	
FuseMQ	
IBM Websphere MQ	
Microsoft Azure Service Bus	
Mom4j	
MuleSoft MuleMQ	
OpenJMS	
Oracle Advanced Queuing (OAQ)	
OW2 JORAM	
Red Hat HornetQ	
Red Hat MRG Messaging	
SAP JMS	
Softwired iBus//MessageServer	
SonicMQ	
Sun Open Message Queue	
SwiftMQ	
TIBCO Enterprise Message Service	
webMethods Broker	
WSO2 Message Broker	

3 DATABASE SYSTEMS

System	TRANSCONNECT® adapter
Apache Derby (all versions)	<p>The TRANSCONNECT® database-adapter can be used for these systems.</p>
CockroachDB	
Firebird	
H2 Database Engine (all versions)	
HSQL	
Hypersonic	
Hypersonic HSQLDB (all versions)	
IBM DB/2 (all versions)	
IBM Informix (all versions)	
IBM Lotus Notes	
Interbase	
JavaDB	
MariaDB	
Microsoft Access (from 97)	
Microsoft SQL Server (from version 2000)	
NuoDB (from 1.0)	
Oracle Database Server (from version 8i)	
Oracle MySQL (all versions)	

PostgreSQL (from 8.0)	
SAP HANA	
SAP SQL Anywhere (from version 7)	
SAP Sybase ASE	
SAP Sybase IQ	
TimescaleDB (Basis: PostgreSQL)	

4 FILE SYSTEMS

File System	TRANSCONNECT® adapter
FTP	<p>The TRANSCONNECT® file-system-adapter can be used for these systems.</p>
FTPS	
Linux file systems (all versions)	
NTFS (all versions)	
Server Message Block (SMB) (Version 2.0)	
Server Message Block (SMB) (Version 3.0)	
SFTP	
WebDAV	

5 INDUSTRY PROTOCOLS (SHOPFLOOR)

Industry Standards	TRANSCONNECT® adapter
OPC UA	PLC-Adapter
Siemens S7	PLC-Adapter
ModbusTCP	PLC-Adapter
MQTT	MQTT-Adapter
Classic OPC	Partner solution
SEMI SECS/GEM	
4..20 mA	Partner solution (Edge Gateway required)
CAN-Bus	
RS232, RS485	
Modbus RTU	
Digital Input/Output	
Analog Input	

6 COMMUNICATION STANDARDS

Communication Standards	TRANSCONNECT® adapter
Exchange Webservice	E-Mail
http (Version 1.0, 1.1 & 2.0)	HTTP
HTTPS	HTTP
IBM Lotus Notes (all versions)	Lotus Notes Domino
IMAP	E-Mail
OAuth	HTTP
OAuth 2.0	HTTP
POP3 Mail (all versions)	E-Mail
REST	HTTP
SAP ALE	ERP-Adapter SAP
SAP BAPI	ERP-Adapter SAP
SAP RFC	ERP-Adapter SAP
SMTP Mail (all versions)	E-Mail
SNMP V1-3	SNMP
SOAP Webservice (1.1 & 1.2)	Webservice
XML-RPC	HTTP Webservice

7 FILE FORMATS

File Formats	TRANSCONNECT® adapter
ASCI	File formats
CSV	File formats
Excel (from Excel 97)	Office
JSON	all
PDF (all versions)	PDF
PDF/A (all versions)	PDF
XML (Version 1.0)	all

8 COMMAND LINE INTERFACES

Command Line Interfaces	TRANSCONNECT® adapter
Linux Bourne-Shell (all versions)	<p>The TRANSCONNECT® command-line-adapter can be used for these systems.</p>
Linux C-Shell (all versions)	
Linux Korn-Shell (all versions)	
Linux Tenex-C-Shell (all versions)	
SSH (all versions)	
Telnet (all versions)	
Windows Command Shell (all versions)	
Windows Power Shell (all versions)	

9 INDUSTRY STANDARDS

Industry Standards	TRANSCONNECT® adapter
B2MML	HTTP Webservice
BIPRO	Webservice
Data exchange acc. General Association of the German Insurance Industry (GDV)	GDV
Digital Imaging and Communications in Medicine (DICOM)	DICOM
HL7 (Version 2.1 - 2.7.1)	HL7
Laboratory data transfer (LDT)	LDT
Microsoft Active Directory (ab 2008R2)	LDAP
OFTP 2.0	OFTP 2.0
Open LDAP (all versions)	LDAP
SAP HCM (Version 1.2)	HCM
UNECE EDIFACT (all versions)	EDIFACT

© **SQL Projekt AG**

Franklinstraße 25a

01069 Dresden

phone: 0351 876 19-0 fax: 0351 876 19-99

www.sql-ag.de

info@sql-ag.de

www.transconnect-online.de

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