

our services to your company

CONNECTING YOUR BUSINESS TO TECHNOLOGY RESOURCES

Today, in the world of Service Oriented Architecture (SOA) concept, companies are able to achieve higher efficiency and build cost-effective, reliable IT infrastructures using task-oriented and loosely coupled applications that provide a wide range of services. The reusability of these services is essential and necessitates carefully designed and implemented integration solutions. Another crucial part of any integration solution is the ease of communication with your business partners. Our company's fully-qualified, expert services can help you with both these elements.

TIBCO-BASED INTEGRATION PROVIDES A COMPLETE START-TO-FINISH SUCCESS STORY

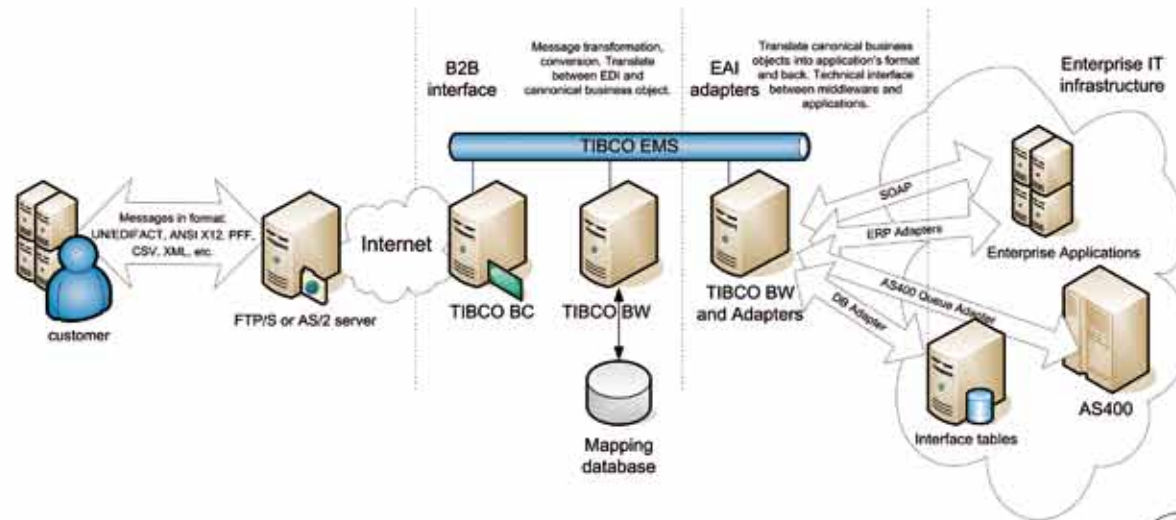
INTEGRATION ARCHITECTURE AND FEATURES

Let's take a closer look at a B2B integration solution. The TIBCO platform has all the tools to support customer integration in all of its aspects.

Our generalized solutions can handle a wide variety of customer message formats for both inbound and outbound messages. Two major segments in the integration path are B2B and EAI. The B2B segment deals with customer communication using various message formats, while EAI will make communication with your enterprise applications an easy task. Mappings and transformations come from a central storage and are cached for better performance. The whole integration solution relies on a TIBCO EMS backbone.



flexible solutions for your business needs



OUR RELATED SERVICES
CONSULTING
ANALYSIS OF EXISTING INTEGRATIONS
SYSTEM REFACTORING, CONSOLIDATION
SYSTEM/APPLICATION INTEGRATION

SOLUTION-DESIGN
IMPLEMENTATION
SUPPORT FOR OPERATIONS
SUPPORT FOR MAINTENANCE
PROJECT AND ACCOUNT MANAGEMENT
SOFTWARE LIFECYCLE MANAGEMENT

BRIDGES BETWEEN YOUR APPLICATIONS

We have implemented a number of EAI solutions for our clients using TIBCO as middleware. Some examples of these include:

ERP integration: ERP and spend management systems play a major role in companies. Data integration, dictionary-based communication and asset management are necessary corporate-wide.

One solution we implemented provides data for Ariba Buyer from an Oracle

Financials ERP using TIBCO middleware. The set of data to be synchronized between these major corporate systems contained purchase orders, invoices, receipts and expense reports. The integration layer was extended with data verification and duplicate checking algorithms to provide smooth runtime integration between the two systems.

Customer Data Consolidation: In real-life scenarios, the challenge is to gather redundantly stored data and then consolidate, clarify and synchronize these data. Usually in such scenarios, applications dealing at least partially with the same data (such as ERP, CRM, Billing, Customer Care, Provisioning, Inventory, etc.) are affected. We successfully consolidated one of our clients' customer-related master data by compiling a master database from all its various systems, including SAP, Billing, CRM, and Customer Care. Regular consolidation tasks such as gathering, transforming, checking, clarifying and serving data was built on TIBCO according to our client's business logic and infrastructure.

Telecommunication Number Portability: Number Portability can be provided with the strictly scheduled integration of more than 8 internal systems (both local and worldwide) and several external systems (the systems of other market participants and governmental regulatory systems). To achieve seamless migration of a subscription from one provider to another, these systems have to cooperate precisely on schedule and faultlessly. Both consumer and corporate subscribers depend on the use of telecommunication services. We are proud of the design and implementation of this integration on TIBCO that fulfils the needs of our client, adheres to strict regulations of the government and EU, and satisfies our client's subscribers.



BUSINESS-TO-BUSINESS COMMUNICATION WITH YOUR PARTNERS

Communicating with your partners raises not only technical challenges, but also requires detailed negotiations between business analysts and application specialists on both sides of the integration path. We can utilize our expertise in this field to make your B2B communication a success.

Integrations in logistics: Another of our clients, offering logistics services in more than 150 countries worldwide, started a standardization and consolidation process for information exchange and IT infrastructure to make it more easily maintainable, extendable and homogenous.

Our client's B2B communication includes the following main categories: purchase orders from partners, delivery status reports from the logistics company, manifests, shipment information, bookings and booking confirmations, and invoices. We provided a solution for them based on TIBCO, a solution that is sufficiently flexible to cope with the diversified needs of more than 300 partners.

Experience and knowledge gathered in the past 10 years in the field of application integration makes us able to easily adopt and solve new challenges.

Address: H-1126 Budapest, Tóth Lóric street 41.

Phone: +36 1 445 0020

Email: info@iiflow.com

Visit our homepage at:

<http://www.iiflow.com>

iFlow



COMMUNICATION FORMATS OUT OF THE BOX

TIBCO BusinessConnect enables flexible communication with your partners right out of the box:

- UN/EDIFACT messages
- ANSI X12 format
- SAPI Doc
- Proprietary formats
- Text files e.g. CSV, Positional Flat File
- XML format

COST EFFECTIVENESS WITH REUSABILITY

The canonical business object model keeps the number of interfaces to the minimum compared to peer-to-peer integrations. The incoming message is translated to the canonical object, a routing header is added and a mapping repository database is used for looking up message translations. Adding a new customer to the communication only requires some configuration tasks instead of implementation.

SYSTEM CONNECTIONS OUT OF THE BOX

Using TIBCO Adapters we can build interfaces to many kinds of enterprise applications, technology like:

- Packaged applications: SAP, Siebel, PeopleSoft,
- Oracle E-Business Suite, Lotus Notes and others
- Databases: Oracle, SQL Server, DB2
- Mainframe and i5/OS technologies
- Other standards and technologies: EJB, Files, LDAP, MQ Series and others

BUSINESS CONTINUITY (MONITORING, HIGH AVAILABILITY)

Efficient monitoring systems for all of our integrations, built on TIBCO Hawk, help identify problems in processes in a proactive way. Notification e-mails and SMSs are sent on system failures, outages, business logic errors or threshold breaches e.g. in number of "broken" messages.

TIBCO Administrator servers can provide HA functionality. When a server goes down, a spare server will be started immediately to avoid loss of data and service unavailability.

Custom integration: Java, C++ and XSLT

TECHNOLOGIES

We have proven expertise in the following TIBCO components:

- TIBCO BusinessWorks
- TIBCO BusinessConnect
- TIBCO BusinessConnect EDI Protocoll
- TIBCO ActiveMatrix Adapter for Database
- TIBCO ActiveMatrix Adapter for Files
- TIBCO Adapter for IBM AS/400
- TIBCO BusinessWorks SmartMapper
- TIBCO BusinessEvents
- TIBCO SmartMapper
- TIBCO Hawk
- TIBCO Administrator
- Self-developed Java Extensions

Integration solutions implemented for applications/systems include:

- SAP
- Amdocs
- AS 400
- Oracle E-Business Suite
- TXT Chain (supply chain management)
- Eventus
- SRRI (Nokia Service Routing Register)
- KRA (governmental Central Reference Database for number porting)

Data structures/specifications used include:

- UN/EDIFACT (EDI-EDIFACT)
- SAP IDoc
- ANSI X12
- Positional Flat File, CSV (EDI-TEXT)
- XML/XSD

Our solutions are deployed on these OSes:

- Linux (such as SLES, RHEL)
- Unix (such as Solaris, AIX)
- MS Windows

Protocols used for our integration solutions:

- MS Queue/ Topic
- FTP, S/FTP
- HTTP, HTTPS
- Telnet
- DB interfaces (Oracle, MSSQL)
- Failsafe PKI handling
- SOAP
- File-based