TIBCO **Competencies**

iFlow Ltd.

our services to your company

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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
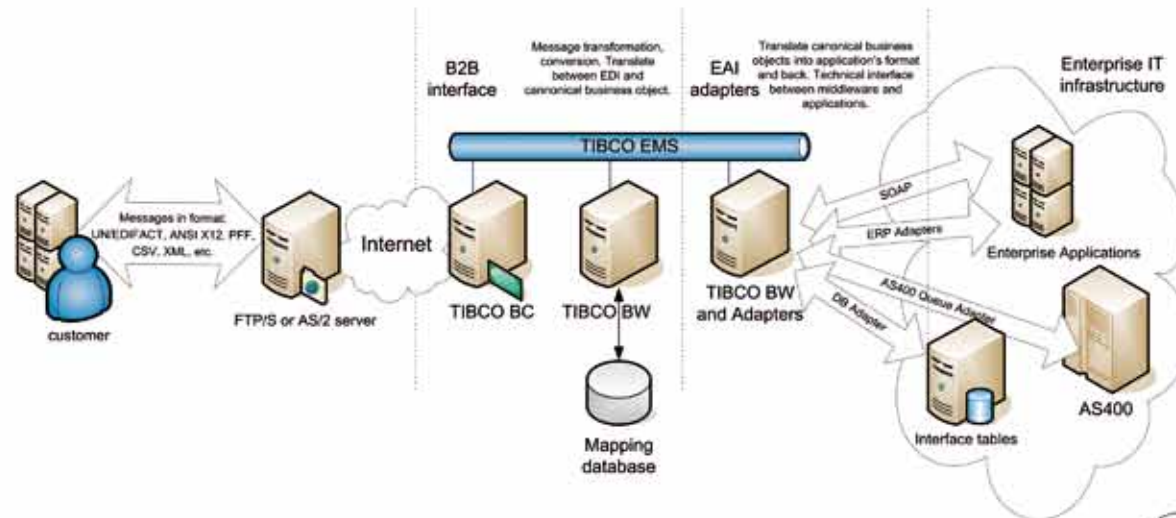### A COMPLETE START-TO-FINISH SUCCESS STORY

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

ISO 9001

BRIDGES BETWEEN YOUR APPLICATIONS

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

Managing Business-Critical Data: Alongside those relating to the services of a company, some of the most important functions and data belong to the financial life of a business. Incomings and expenses arise; these need to be handled and controlled. A huge number of invoices, payments and incomings must be checked, approved and carefully managed. Nowadays, these tasks and functions are handled by different IT systems. We have built business-critical solutions for consolidating message formats in these systems, for forwarding data to internal and external systems, and for providing details about transactions to applications like ERP, CRM and online banking systems. The same environment and solutions are required with sensitive data, like credit and debit information, certificates, account balances and exchange rates.

HR Data Management: Multinational companies and companies operating on multiple sites can find themselves using many different international, intercultural and diversified IT solutions for managing data related to sometimes thousands of employees and contractors. It is hard to retain data consistency with in such a shared IT infrastructure. Integration of new applications can cause additional serious problems. To be able to handle data from different HR applications in a centralized system and perform operations from this centralized system with all participants (e.g. transferring salaries automatically via bank interfaces), necessitates transforming encodings and data formats from various systems into a canonized format and then implement appropriate interfaces. In the design, implementation and operation phase of this TIBCO-based system consolidation, our company provided efficient, professional consultancy and developer services to our client as well as a long-term support service in the future.

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

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.

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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
- SAP IDoc
- 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
- Mainframeand 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