

## WebSphere software

*We make I.T. matter*

### WebSphere Transformation Extender (WTX aka Mercator)

#### Data Transformation Engine

##### Challenges:

Some of the greatest integration and processing challenges to enterprises revolve around the need to process many incoming data objects together, and resulting in many outputs. This "Many-to-Many" challenge has forced many organizations to resort to programming-based processing, or to have extremely high compute costs due to the need to handle each "step of the many inputs" separately, and then tie the results together on an output-by-output basis. In many cases, this challenge has resulted in companies building integration infrastructures that are nearly as costly as the systems which they integrate.

WebSphere Transformation Extender (WTX) is able to process natively many data inputs together, with a "single read of the data," and to provide these combined input processes to many outputs in a single process. This unique ability can allow companies to dramatically lower their processing costs, increase their processing throughput, and, most importantly, provide powerful data integration, enhancement, and processing capabilities which are available across their enterprise infrastructure.

***WebSphere TX Formerly Mercator  
is a unique data integration technology  
for use in Application to Application  
and Business to Business enablement.***

*“A powerful data transformation engine that natively across the enterprise operating environments that has the ability to speak directly to native interfaces and APIs without the need for coding or re-tooling.”*

***Miracle has proven capabilities as a leading Business Integration & Data Transformation solutions provider. Our customers benefit because we leverage our extensive systems integration and experience. We employ an architected approach to target high-value benefits, leverage overlapping resources, use common technologies, share data and, ultimately, increase ROI. Most importantly, our Data Transformation solutions focus on supporting business objectives to improve the decision-making process while improving the performance of decision support systems.***



WTX provides a unique, graphical user environment that allows integration designers to visualize complex data types in graphical form, and provide powerful data processing and manipulation capabilities. This code-free method allows users to build processing and integration flows based on the business requirements, without programming model or common data model constraints. Users are able to construct integration and data processing objects through an easy-to-use, drag-and-drop interface and deploy from the design, instead of "coding under the design" as far too many methods require.

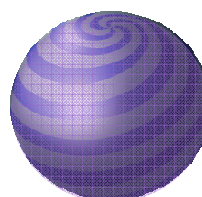
WTX allows users to integrate data of disparate types, from disparate sources, and can allow them to process their integration object natively in those environments—all without the need to know the programming languages of those environments.

## WebSphere Flexibility in Deployment Options

Now WTX can be part of any SOA / Integration solution. WTX has a SDK that can be used to invoke maps using JAVA API. IBM is working towards integrating WTX tightly with other WebSphere products. Some of the IBM platform where WTX can be deployed are...



WebSphere ESB



WTX Stand-Alone Transformation



DataPower Appliances



Advanced ESB



## Miracle's Mapping Factory

The Miracle Factory Model is a very innovative idea that has been created based on our past 10 years of experience in the EDI Industry building maps using tools widely used in Development and several other EDI Data Translation tools.

We offer an offshore-based Rapid development Mapping factory to support our customers On Demand business to onboard new internal or external trading partners or to manage the existing trading partners. To meet Real time business demands Miracle Factory model can also help in the migration from existing legacy systems to high performing B2B solutions in a very rapid and reliable manner.

### Mapping Factory Model Steps

#### Step1: Foundation/Discovery

Part 1: Identification of knowledge elements and understanding client requirements understanding client environment, meeting client personnel to gather all requirement information.

Part 2: Establishing mutually agreed definitions of Support process. Building a mutually agreed procedure,

Part 3: Documenting the steps and procedures to follow and documenting support procedures.

#### Step2: Pilot

The objective of this step is to setup a development environment and deployment of key team members at offshore to test procedures and building pilot map at the mapping factory. This step will lead us to a finalize the procedures, setup the environment for the build and delivery of the maps & documents to the customer.

#### Step3: Build

The build teams are formed in such a way that all the documents are logically (by Transaction type, Application or Trading partner) divided between the teams. The Detailed steps in the build process are as follows:

- ◆ **Analysis**
- ◆ **Build:**
- ◆ **Test**
- ◆ **Deliver**
- ◆ **Deploy**
- ◆ **Support**



## Enterprise Application Integration

Miracle Software Systems offers the following Enterprise Application Integration services using WebSphere Transformation Extender (**WTX**) and many other EAI tools.

- ◆ Consulting Services
- ◆ Architecture and Design
- ◆ Product Implementation
- ◆ Enhancements/Migrations.

Miracle's Enterprise Application Integration services include integrating legacy and ERP applications using leading integration platforms such as IBM WebSphere Integration Stack, MQ-Series, TIBCO, BEA WebLogic, and webMethods. In addition, Miracle can also build custom-solutions based on standards like J2EE, CORBA, RMI, XML, HIPAA and EDI. Also, Miracle offers functional extensions to CRM, SCM and data warehousing systems using Web Services-based integration.

Our key enterprise application integration services include:

### **Consulting**

- ◆ Risk assessment
- ◆ Integration benefits identification and quantification
- ◆ Integration product evaluation
- ◆ Integration framework recommendations.

### **Architecture and Design**

- ◆ Architecture and technology selection
- ◆ Integration framework design
- ◆ Integration implementation plan.

### **Product Implementation**

- ◆ Product configuration for MQ Series, TIBCO, webMethods
- ◆ Legacy application integration
- ◆ Implementation of custom and Packaged adapters.



*Miracle delivers high quality, reliable and cost effective IT services to customers around the world. We complement deep technology skills and strong focus on business solutions with robust process frameworks and applications outsourcing capabilities. We are exactly the kind of business partner our customers value - friendly, flexible and focused. At Miracle we go beyond providing solutions. We work with customers through technology and business changes that shape organizations competitive advantage.*

### **Miracle's WTX Service Offerings:**

Miracle's Consulting Services comprise high-impact, quality, short-cycle, low-risk diagnostic and assessment studies that facilitate the execution of a client organization's EAI, EDI and Data Transformation initiative at its various lifecycle stages. The services help clients articulate problem definition and then propose alternate solutions and best practices, and recommend an implementation plan. The deliverables enable clients to take quick and well-informed decisions for the success of the BI / DW initiative.

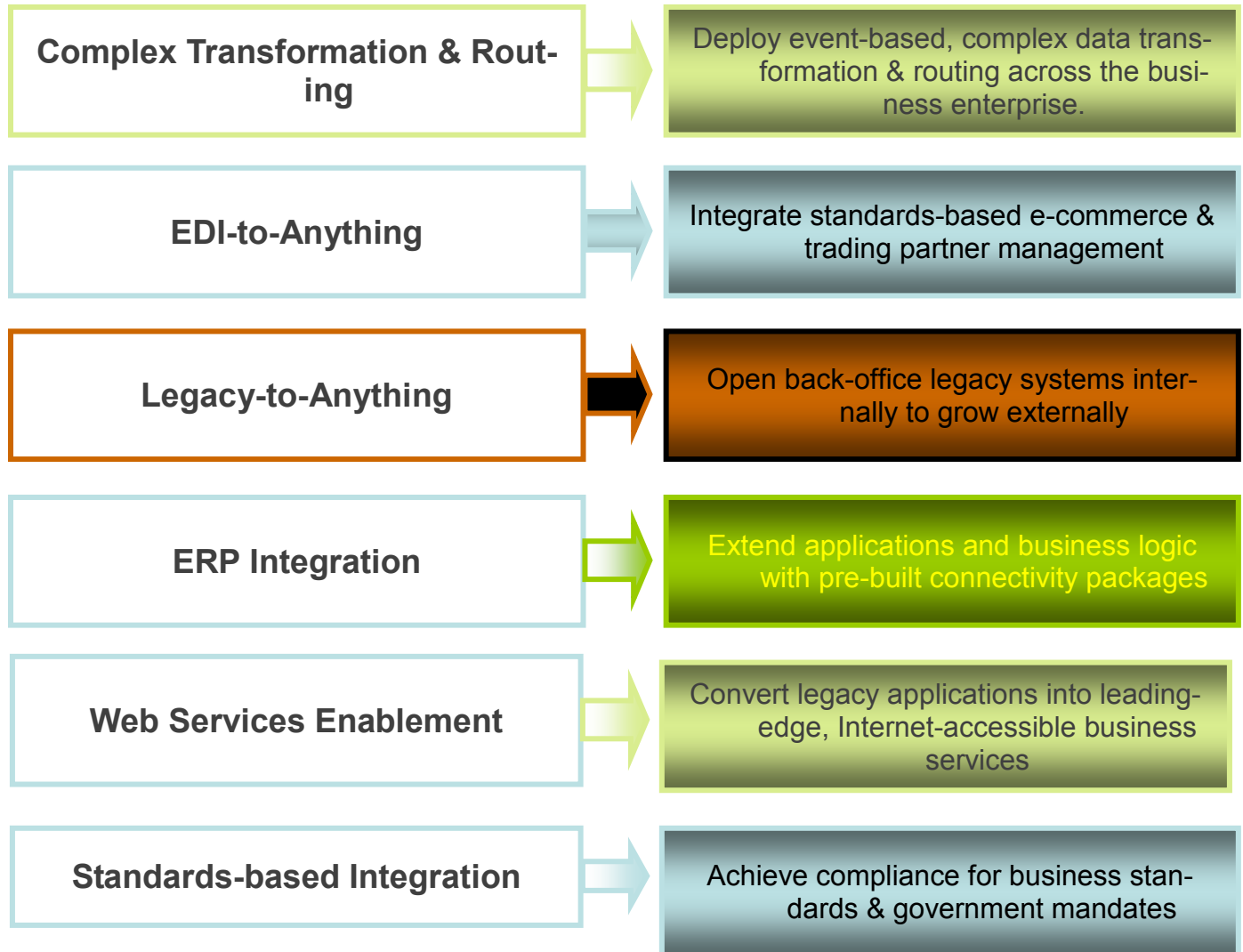
Miracle's senior WTX experts deliver the service using a well-defined roadmap that leverages various Miracle methodologies and tools.

Our Key services offered include:

- ◆ WTX Implementation
- ◆ WTX Upgrade to latest version(8.X)
- ◆ WTX Integration with WPS, WPG
- ◆ WTX node for WMB
- ◆ EDI Consolidation
- ◆ EDI Validation
- ◆ Product Evaluation
- ◆ Prof of Concepts/ Prof of Technology
- ◆ Best Practices and Industry Standards
- ◆ WTX Professional Training
- ◆ Integration with ERP / other Applications



## IBM WebSphere Transformation Extender - *Miracle* Value Propositions



## Our Customers:

Our commitment to delivering business value to our customers has resulted in more than 10 years of association with a number of key customers. The SOA & EAI solutions implemented at various sites have evolved and customers have been able to reap significant business benefits from these initiatives. Miracle's EAI customers across diverse industry verticals such as Health Insurance, Manufacturing, Retail, Financial Services, Utilities and Telecom.

*Miracle's innovative WTX solutions offer tangible business benefits to customers across industry verticals. Some of our major Mercator / WTX customers are:*

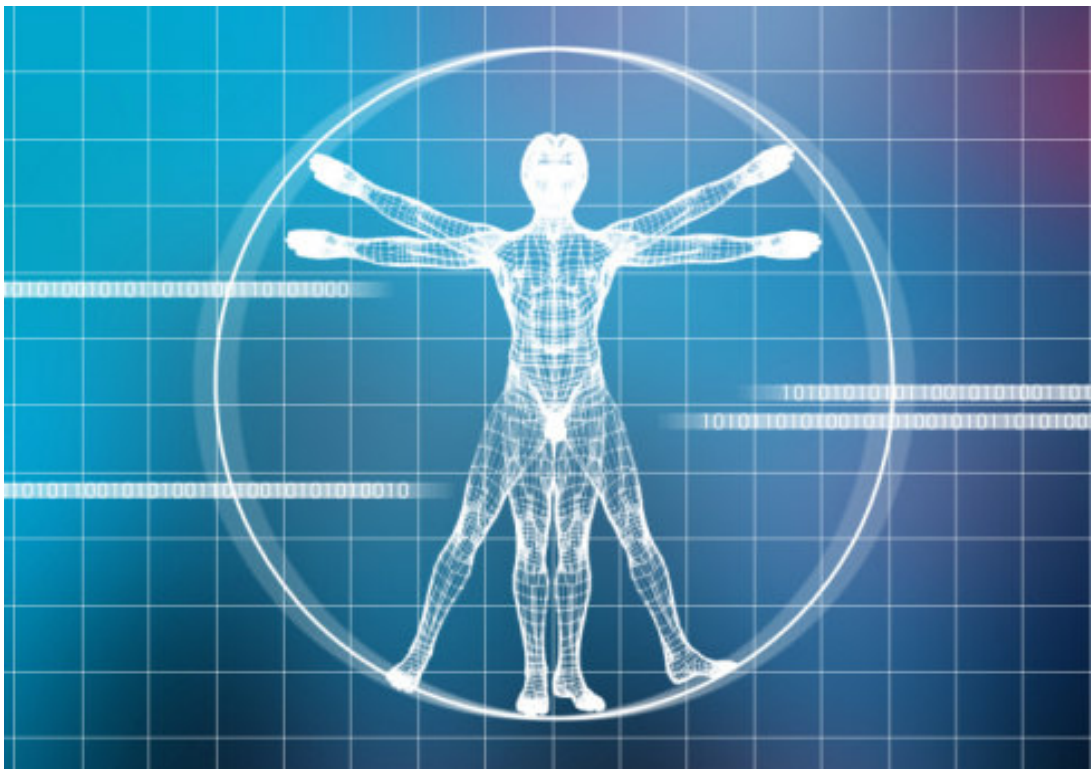


## End-to-End Real Time Integration Solutions / Transformation Services:

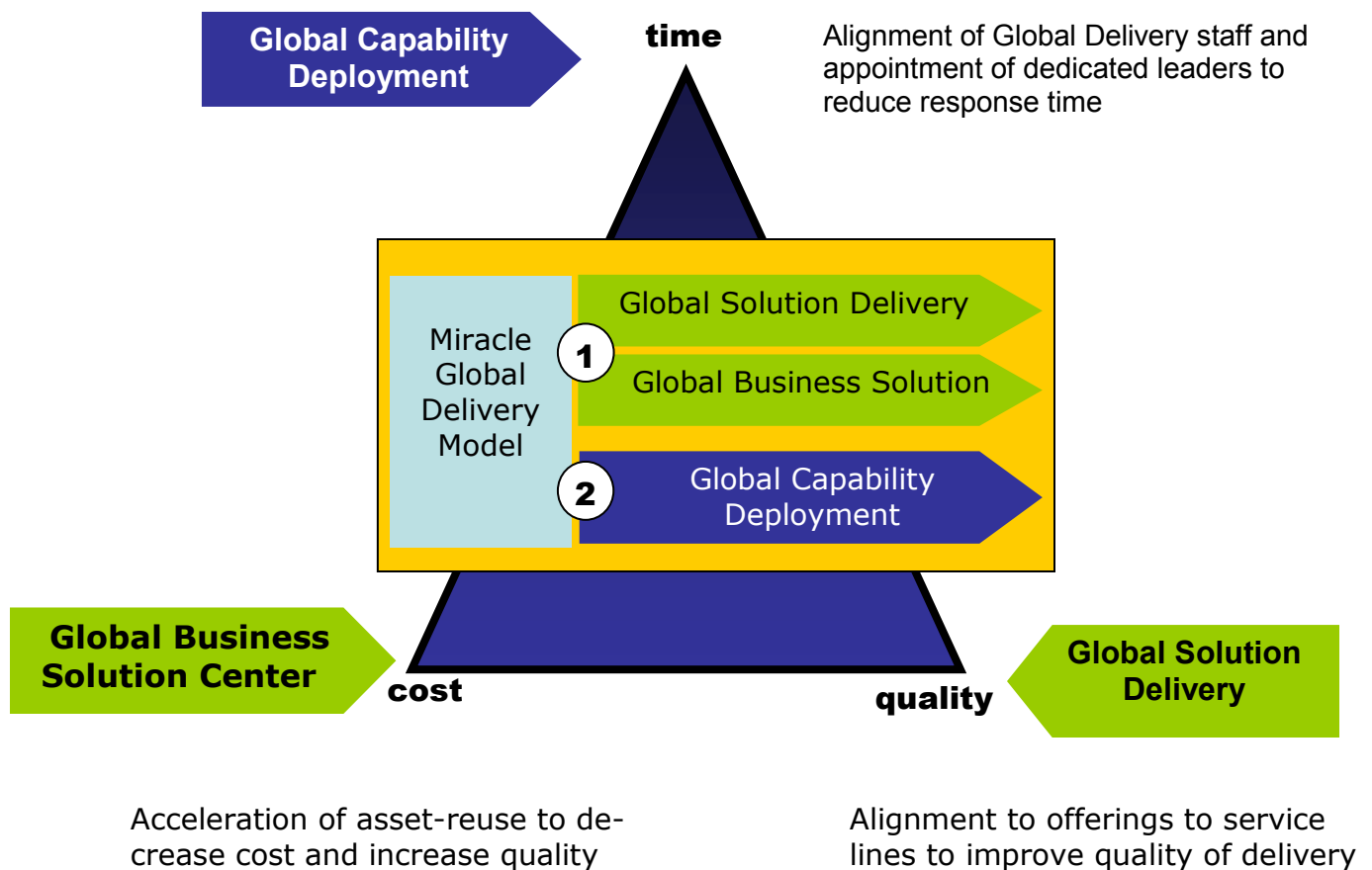
Miracle helps customers to implement an end-to-end Real Time Enterprise Integration solution or Data Transformation Services. Customers can choose from any or a combination of the below solutions that best suit their current and future business needs, tactical and strategic Business goals. Our end-to-end solution includes the following:

- ◆ Architecting the end-to-end solution
- ◆ Design, Development, Testing and deployment of the recommended solution
- ◆ Training and post-production follow-up
- ◆ Maintenance, enhancements and tuning
- ◆ Administration and management
- ◆ 24/7 Support and Help Desk activities

The Integration & Transformation initiative effectively collates and disseminates the innovations developed, insights gained, reusable artifacts developed from past engagements for future use.



We support our customers' WTX initiatives through a range of services that include Consulting, Custom Development and Application Management. All the services follow a Global Delivery Model and are characterized by deep domain knowledge, leading-edge technology expertise, proven implementation methodology and effective knowledge transfer.



**Global Delivery Model**

## Summary:

Miracle Consulting brings a unique combination of technical and industry expertise to our clients to provide WTX solutions. Our innovative solutions offer tangible business benefits to our customers. We support our customers' WTX / EDI initiatives through a range of services that include Consulting, Custom WTX Development and Application Management. All the services follow a global delivery model and are characterized by deep domain knowledge, leading-edge technology expertise, proven implementation methodology and effective knowledge transfer.



*We tailor our engagement approach to customer needs, through:*

- ◆ **Partnership/Co-sourcing:** *We work with customer existing team to be part of customer success*
- ◆ **Knowledge Transfer/Mentoring:** *We are committed to making sure customer has required knowledge and expertise to support customer projects and abilities to maintain the solutions we deliver.*
- ◆ **Consulting Support:** *We provide both consulting services and experienced practitioners to deliver solutions to meet your expectations.*
- ◆ **Outsourcing:** *We provide solution development and/or ongoing support through outsourcing.*

### North America

Global Headquarters  
45625 Grand River Ave  
Novi, MI 48374  
United States of America  
Phone : (248)350-1515

### India

MIG-49, Lawson's Bay Colony  
Visakhapatnam,  
Andhra Pradesh,  
Pin 530 017 India  
Phone: +0891-2531 569

### Europe

200 Brook Drive, Green Park,  
Reading,  
Berkshire- RG2 6UB,UK  
Phone: +44 (0) 118 925 3398

### Asia Pacific

22A Garfield Street  
Wentworthville, NSW 2145  
Australia  
Phone: (02) 8205 7750