



IBM Software Group

2004 WDI / WBIC Customer Conference

Global Business Transformation

WebSphere. software

Migrating TPI to WBI-Connect Rich Kinard



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Migration to WBI Connect Overview

- IBM has increased its investment in the support of real-time B2B. Addressing these needs for 'community integration' is the product WBI Connect, replacing TPI.
 - WBI Connect is more than just another B2B Gateway
 - WBI Connect enables a complete B2B environment providing benefits for the B2B Hub owner as well as the spokes
- WBI Connect is the foundation for IBM's strategic direction for community integration
 - TPI has been withdrawn from marketing (effective 9/04) but will continue to be supported by IBM until September 2006
- IBM is protecting customers' investment in TPI by providing an equivalent, or greater, license for WBI Connect, and no additional licenses should be required to meet the same capacity as provided by TPI function
 - Customers using all editions of TPI are provided for: TPI Solo; TPI On-Ramp; TPI for Trading Networks; TPI for ASPs

Migration to WBI Connect Overview

- Substantial additional value is provided within WBI Connect compared to the functionality of TPI
 - Distributed architecture
 - Participant transaction visibility
 - Web based UI
 - Enhance RosettaNet capabilities
 - Document Flow Definitions
 - Validation Maps
- Customers are encouraged to migrate to WBI Connect when appropriate noting that no further capacity for TPI (extra connections or extra servers) can be purchased after 9/24/04
 - Each Customer is unique – there is no standard migration plan (business or technical) which would apply to all customers
 - However IBM can provide a migration assistance guide to advise you on potential tasks
 - IBM is able to offer a senior B2B Consultant for a 3-day workshop to evaluate the needs of the TPI customer to assist in identifying key technical /architectural issues involved in migration

Significantly improved operational management and tracking to support large community integration hubs

- Built on WebSphere Application Server technology
 - IBM's mature and strategic platform
 - J2EE standards based
 - Advanced web-based user interface
- New feature/functions that are new to WBIC
 - Browser-based document trading via WBIC Express
 - RosettaNet Public Process and attachment handling
 - Remote service and support via Web login
 - Split deployment options for DMZ support
 - Distributed deployment options for built-in HA and scalability
 - XML Transformation using XSLT
 - Trading partner and document level permissions
 - Granular user and group permissions and roles
 - Partner login over the web for self-service document tracking
 - Extensive alert and notification system

Key Messages to TPI Customers

- Since the initial release of WBI Connect in September 2003 IBM has continued to develop its capabilities in community integration which includes significant enhancements to WBI Connect - the architecture of WBI Connect is more than just another B2B Gateway (not just a TPI equivalent)

- IBM will work with customers to move forward their investment in TPI
 - Work with your account rep to establish how you can best move to WBI Connect
 - There is no charge associated with changing your license entitlement from TPI to WBI Connect as long as you are current with your subscription and support
 - Limited use MQ and DB2 licenses are provided at no charge. Limited use means that the products can only be used with WBI-Connect.



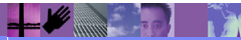
Migration License Entitlement

TPI Edition/ Connections	WBIC Entitlement Edition/Connections
Current software License (priced per server) entitlement	Replacement License entitlement (per TPI Server license)
TPI Solo (includes 1 connection)	WBI Connect – Express (1 CPU and 1 Partner Connection) + WBI Adapter for JText v5.4
TPI On-ramp (includes 10 connections)	WBI Connect Advanced Edition (2 CPU and 10 Partner Connections) + WBI Adapter for JMS v2.5
TPI On-Ramp additional connections (per connection)	WBI Connect Advanced Edition Partner Connection (1 partner connection)
TPI for Trading Networks (includes 100 connections)	WBI Connect Enterprise Edition (4 CPUs) + WBI Adapter for JMS v2.5
TPI for Trading Networks additional connections	License no longer required
TPI for ASPs (includes 500 connections)	WBI Connect Enterprise Edition (4 CPUs) + WBI Adapter for JMS v2.5



Migration component mapping

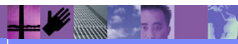
Component	TPI Source Location	WBIC Target Location
Company Information	Company Profile	Participant Profile (Community Manager)
Trading Partner Information	Partner Profile	Participant Profile (Community Participant)
Certificates	TPI Certificate Store	Certificate Store within Participant Profile
Users	User metadata	Participant User / Group
Transaction Metadata	Transaction Metadata tables	Event Tables
Raw Document Data	File System	File System
Backend Integration – File-Based	Company Profile Integration	Gateway (to backend) Target (from backend)
Backend Integration - WebSphere MQ/JMS	Company Profile Integration	Gateway (to backend) Target (from backend)
Backend Integration – WebSphere Business Integration	TPI Connector	JMS Adapter, WebServices Adapter, or JText Adapter





WBIC v4.2/TPI Quickview

	WBIC v4.2	TPI
Multiple Platform Support	✓	✓
Multiple Transports, Protocols and Business Processes	✓	✓
Community Visibility for all participants	✓	✗
Partner On-Boarding and management capabilities	✓	✓
Full RosettaNet support (RNIF 1.1/2.0 & PIPS)	✓	✗
AS2 - Drummond certified	✓	✓
Scalable for high volume and large communities	✓	✗
Distributed Architecture	✓	✗
Operational Services & Support available	✓	✗



Options for TPI Customers

1. Stay with TPI solution architecture – supported until 9/06
2. Migrate to WebSphere Business Integration Connect
 - IBM's long-term strategic offering for B2B Community Integration offering
 - Provides multiple transports and protocol support
 - Integration with WebSphere Business Integration via JMS/WebSphere MQ, HTTP or file system
 - Extended features to support complete community integration including high scalability, testing facilities, role-based security model, and operational management
 - Migration, Community integration implementation and operational management services available

If TPI is a tactical B2B solution for you where you only have a few partners and

TPI Migration Methodology

1. Planning for migration, which includes gathering information about your current environment and trading activity
 - To plan for a successful migration, gather information about your current environment, so you can select the appropriate WebSphere Business Integration Connect edition and plan for its configuration.
 - Refer to the TPI Migration Methodology Guide for a list of questions with migration tips based on your answers.

IBM's Migration approach consists of some key steps:

IBM will walk you through a Readiness Questionnaire to determine if a on-site assessment is warranted. If on-site assessment is not needed IBM will make recommendations and effort estimates based on the questionnaire and skip the on-site assessment.

On-Site Assessment - IBM will assess your readiness to migrate, this is based on how you are using TPI today, it identifies any gaps that may exist in product and/or process and recommendations are made on a customized approach and effort required to meet your needs.

Migration – IBM or the customer will install and configure WBI-Connect, once deployed a phased approach is recommended for moving partners to the new system. If there are gaps between the two products that need to be addressed they should be resolved prior to migrating partners to the new system. IBM offers a custom development service to meet this need.

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WebSphere Business Integration Connect – Technical Considerations

TPI Migration Methodology

2. Planning for installation, which includes understanding the software needed to migrate

- Review all of the WBI-Connect documentation
- Understand the deployment options as they relate to your security and network deployment procedures
- Build a architecture diagram that shows WBI-Connect component placement in your network
- Create a deployment plan and include a back out process
 - Use information from step 1 to build a detailed deployment plan and partner ramping process.
 - Be sure to account for any custom development, reporting and/or integration needs

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WebSphere Business Integration Connect – Technical Considerations

TPI Migration Methodology

3. Installing WebSphere Business Integration Connect

- Install each component based on deployment plan and architectural diagram
- IBM provides a comprehensive Installation documentation (Installation Guide) to guide you through the process.

4. Configuring the WebSphere Business Integration Connect server

- Configure WBI-Connect based on your partner and integration requirements as defined in the deployment plan
- IBM provides comprehensive configuration documentation (Hub Configuration Guide) to guide you through the process.

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WebSphere Business Integration Connect – Technical Considerations

TPI Migration Methodology

5. Migrating your company profile

- The profile data that exists as a TPI Company must be manually entered into the WebSphere Business Integration Connect environment.
- Gather your existing company information, which is located in the TPI Company Profile and document it for use in WBI-Connect
- Certificates can be exported from TPI and imported directly into WBI-Connect

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WebSphere Business Integration Connect – Technical Considerations

TPI Migration Methodology

6. Migrating your trading-partner profiles

- The profile data that exists as TPI Partners must be manually entered into the WebSphere Business Integration Connect environment. You create a profile for each trading partner, using the participant type Community Participant.
- Gather your existing partner information, which is located in the TPI Partner Profile and document it for use in WBI-Connect
- Certificates can be exported from TPI and imported directly into WBI-Connect

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WebSphere Business Integration Connect – Technical Considerations

TPI Migration Methodology

7. Archiving documents

- *Archiving transaction metadata*
 - Although TPI and WebSphere Business Integration Connect maintain similar information for transaction history, the underlying schemas are not similar. If you need to maintain historical TPI transactional information, archive the TPI data or create custom reports to query this information.
- *Archiving raw document data*
 - TPI and WebSphere Business Integration Connect both maintain historical message stores in their file systems, although the file system hierarchies are not identical. It is recommended that you archive TPI messages in a directory for future retrieval.

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WebSphere Business Integration Connect – Technical Considerations

TPI Migration Methodology

8. Modifying your backend systems

- Backend integration – File-based
 - File-based back-end integration is the default for TPI. When you use WBI- Connect, you configure documents coming from the back-end applications to WBI-Connect using a target of type File.
 - Documents coming from the trading partner that need to be forwarded to back-end applications using the File System are configured using the Community Manager's gateway of type File.
- Backend integration – MQ/JMS
 - You configure documents coming from the back-end applications to WBI-Connect using a target of type JMS.
 - Documents coming from the trading partner that need to be forwarded to back-end applications using JMS are configured using the Community Manager's gateway of type JMS.
- Backend integration – WebSphere Business Integration
 - If you are using the TPI Connector for back-end integration to WebSphere Business Integration, you will need to migrate to one of the technology adapters supported by WebSphere Business Integration Connect: JMS Adapter, JText Adapter, or Web Services Adapter.

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TPI Migration Services

- Migration Guide available including best practices (Free)
- Migration assistance available from IBM Services (Fee based)
 - Migration Readiness Assessment (Detailed readiness report and next steps, rebated if Migration Services are purchased)
 - Migration Services (Detailed migration plan, Installation, configuration, testing and phased migration approach)
 - Custom Development (utilize API's and user exits to develop custom business protocols to meet unique customer requirements)

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WebSphere Business Integration Connect – Technical Considerations

Additional WBI-Connect Services

- Partner Integration Planning
- Partner Activation
- Partner Management
- Knowledge Transfer
 - Course BI152 – WBI Connect
- Partner Internal Readiness
 - Readiness Assessment
 - Readiness Management
- Business Process Configuration
 - Message Guideline Development
 - Schema Development
 - Translation Map Development

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•**Partner Integration Planning** includes community definition and ramp-up planning. Community definition provides you with business objectives for undertaking the B2B initiative and elements for project success. A best practice Partner recruitment approach and activation timeline is captured.

•**Partner Activation** allows you to quickly add Partners to your WBI Connect as well as ensure reliable Partner connection and message guideline compliance. We drive Partners to rapid activation by thoroughly and efficiently testing the ability of each Partner to reliably and securely connect, correctly initiate, receive, and respond to B2B processes.

•**Partner Management** provides you and your Partners with 24x7 call center and B2B process monitoring. Optionally, we provide community announcements and act as a back-up resource to you for WBI Connect configuration, Partner administration, process usage, and user support.

•**Knowledge Transfer** provides practical education for technical professionals responsible for managing WBI Connect. Students gain insight into best practices developed specifically for WBI Connect hubs. Learn hands-on configuration and use of the WebSphere Business Integration Business-to-Business (B2B) tool WebSphere Business Integration Connect

•**Partner Internal Readiness** gives you visibility into the readiness of each partner and enables them to rapidly achieve readiness. We drive each trading Partner to answer a series of questions via an online form and provide you with detailed assessment of each Partner's readiness to participate. We help partners achieve readiness by providing them with technical expertise, best practice methodologies, and by encouraging strict adherence to their Partner integration schedule.

•**Business Process Configuration** provides you with all the customized guidelines, schemas and translation maps you need for your WBI Connect. We develop canonical message guidelines for a normalized interface to your back-end applications and message guidelines to interface your partners to WBI Connect. Schemas developed from these guidelines are used during WBI Connect run-time execution to validate the structure, syntax and content of the message that supports the B2B business process. Additionally, we develop translation maps that enable the bi-directional translation of file formats from a partner's message guideline to your message guideline.



WBI Connect Links of Interest

- **Product Information**

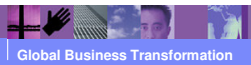
- <http://www-306.ibm.com/software/integration/wbiconnect/>

- **WBI-Connect Info Center – Download Documentation**

- <http://www-306.ibm.com/software/integration/wbiconnect/library/infocenter/>

- **WBI-Connect Education**

- <http://w3-3.ibm.com/education/CoursecodeSearchTypeServlet.wss?coursecode=BI152&city=&state=&countrycode=>





Other B2B/WBI Connect Events This Week

- B2B Architectural Overview (WBIC/WDI) – Stephen Nowland
 - Tuesday 9/14 Workshops 1:30pm – 2:30pm
- WBIC – Where does it Connect? – Lyle Larson
 - Tuesday 9/14 Workshops 2:35pm – 3:35pm
- Integrating WDI and WBIC – Ronan Dalton
 - Tuesday 9/14 Workshops 4:00pm – 5:00pm
- B2B Trends and IBM Direction – Leif Davidsen
 - Wednesday 9/15 9:15am – 10:00am
- B2B Hubs and WBIC – Thursday 9/16, time & speaker TBA
- Extensibility of WBIC – Thursday 9/16, time & speaker TBA
- Implementing RosettaNet with WBIC – Thursday 9/16, time & speaker TBA



Summary

- WBIC Overview

- WebSphere Business Integration Connect enables *complete* community integration and Supports any data type, EDI, XML, Binary, Custom
- Scalable from small to large communities
- Provides complete visibility of trading partner community
- Leverages WebSphere MQ/JMS for WebSphere Business Integration connectivity

Summary

■ WBIC Roadmap

- Increasing need to integrate B2B data directly into business environment
- B2B support covers both EDI with WDI and Internet B2B with WebSphere Business Integration Connect
- Continued use of EDI, allied to growth in internet-based B2B
- Delivering end-to-end comprehensive B2B integration
- IBM bringing all capabilities together in a single product
 - Staged delivery of product features
 - Continued support for existing functions
 - Eventual migration once required functions and platform support available

Growing importance of speed to respond to partners

Increasing need to integrate B2B data directly into business environment

B2B support covers both EDI with WDI and Internet B2B with WebSphere Business Integration Connect

Continued use of EDI, allied to growth in internet-based B2B

IBM bringing all capabilities together in a single product

- Staged delivery of product features

- Continued support for existing functions

- Eventual migration once required functions and platform support available

Delivering end-to-end comprehensive B2B integration



Summary

■ WBIC Migration

- WBI Connect is the foundation for IBM's strategic direction for community integration
- TPI has been withdrawn from marketing (effective 9/04) but will continue to be supported by IBM until September 2006
- IBM is protecting customers' investment in TPI by providing an equivalent, or greater, license for WBI Connect and limited use licenses for DB2 and MQ.