



IBM Software Group

2006 B2B Customer Conference

B2B – Catch the Next Wave

C4: Integrating WPG with WTX

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WebSphere. software

A decorative horizontal banner with a purple background, featuring a series of colorful squares (yellow, green, red) and various abstract icons (a globe, a face, a cross, a grid of circles).

ON DEMAND BUSINESS™

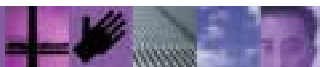
Objectives

- Overview of WebSphere Partner Gateway
- Overview of WebSphere Transformation Extender
- Document Flow Between the Two Products
- Configuration Steps of Each Product
- Components Used for Each Product
- Redbooks for More Information
- Summary

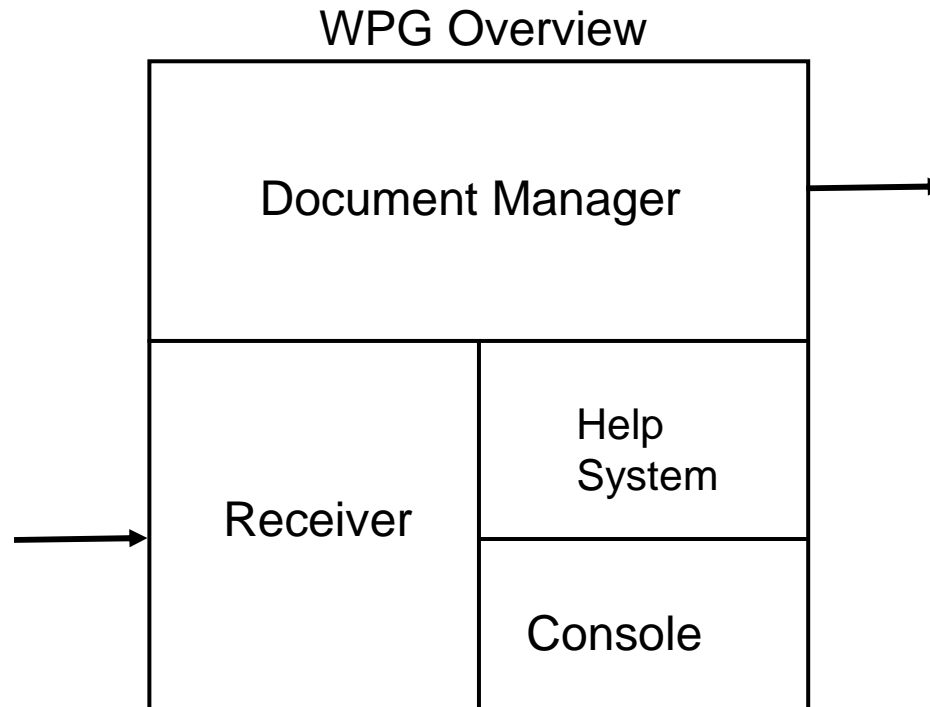


Objective

- Integrate WebSphere Partner Gateway to WebSphere Transformation eXtender. This session will focus on integrating with WTX for EDI translation utilizing MQ.

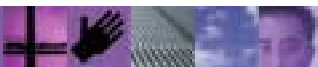


WPG Overview



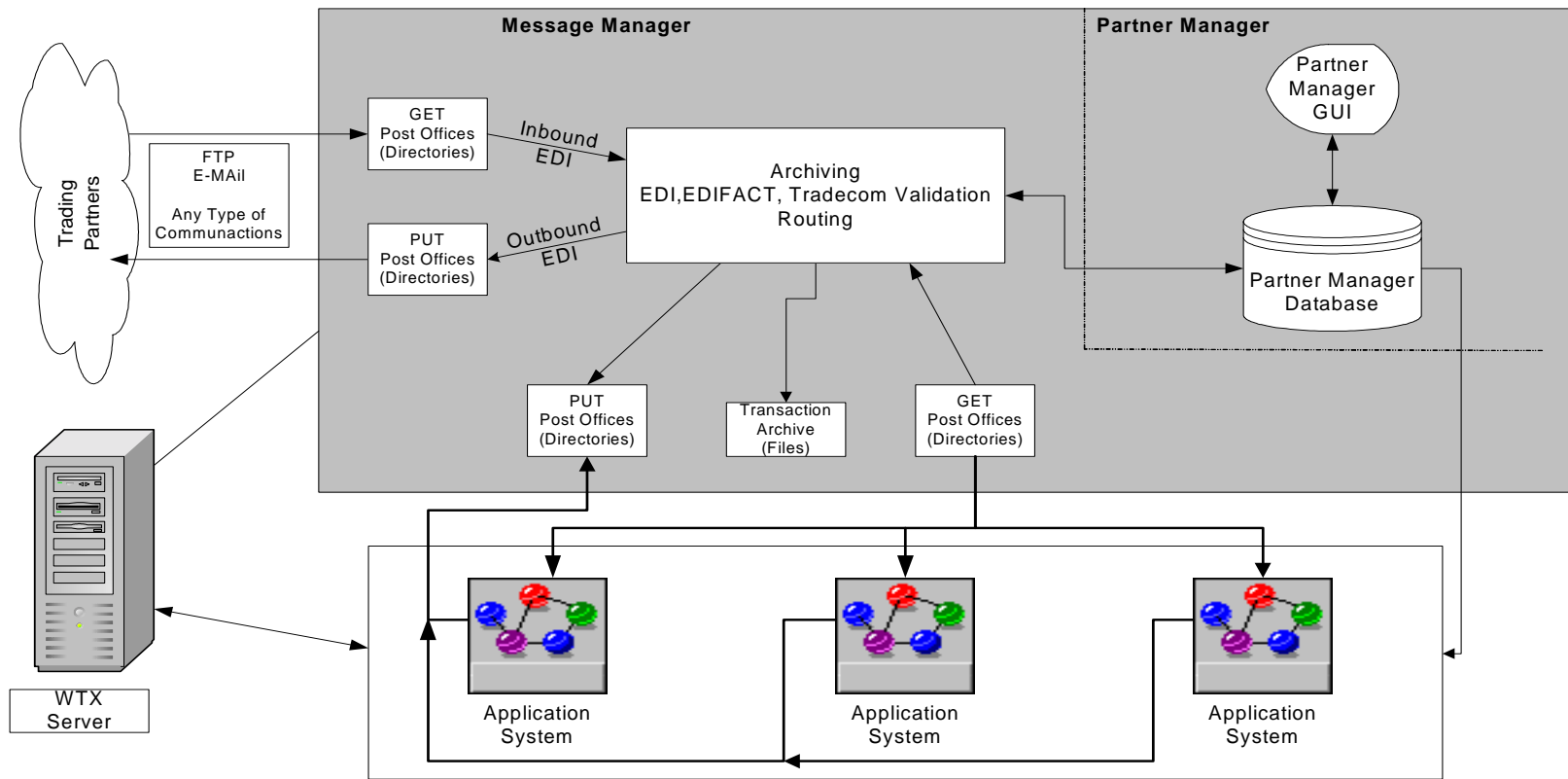
Everything into WPG must enter through the Receiver

Data leaving the system exits via the Document Manager

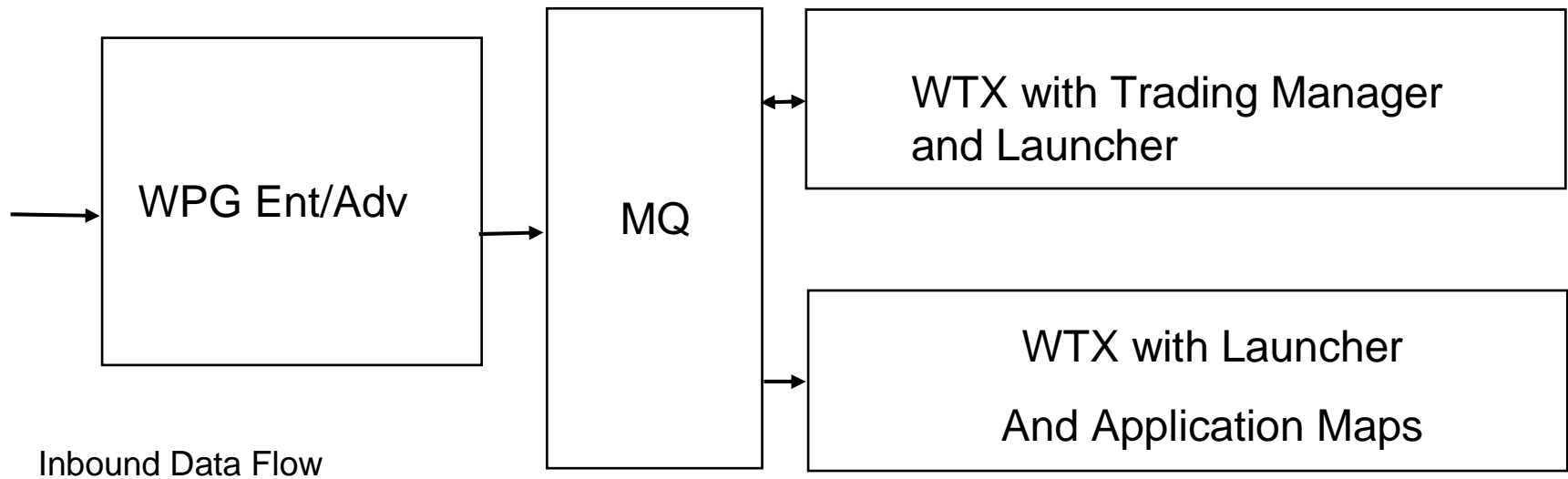


WTX Overview

IBM Architecture Trading Manager Overview



Integrating WPG with WTX



WPG Receives the Inbound Transaction

WPG Document Manager Places EDI Data on a Queue

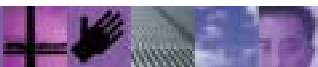
WTX Launcher is watching the queue

WTX with Trading Manager validates the data and generates 997

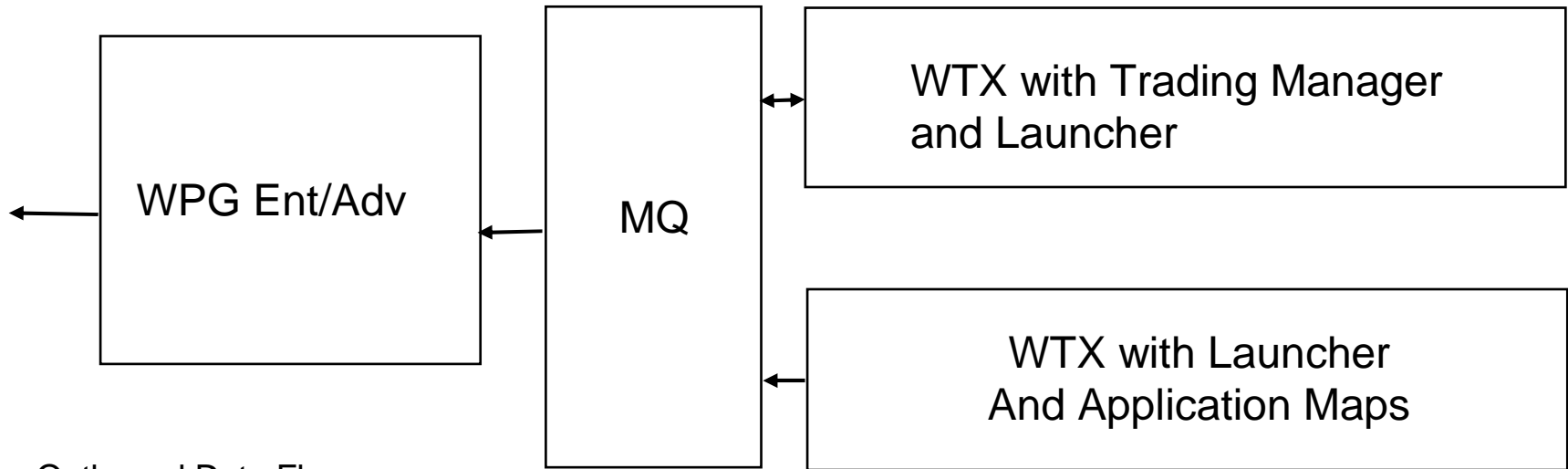
WTX with Trading Manager places the validated EDI Data on a Queue

WTX Launcher is watching the queue

WTX is run – Application Maps used and data is sent to back end system



Integrating WPG with WTX



Outbound Data Flow

WTX Receives the Outbound Transaction from the back end system

WTX Translates the data into EDI data without ISA/GS/ST information. Data is placed on a Queue

WTX Launcher is watching the queue

WTX with Trading Manager reads in the data in and generates the ISA/GS/ST information.

WTX with Trading Manager places the completed EDI Data on a Queue

WPG is watching the queue

WPG formats the data (AS2) and sends it on to the Trading Partner.

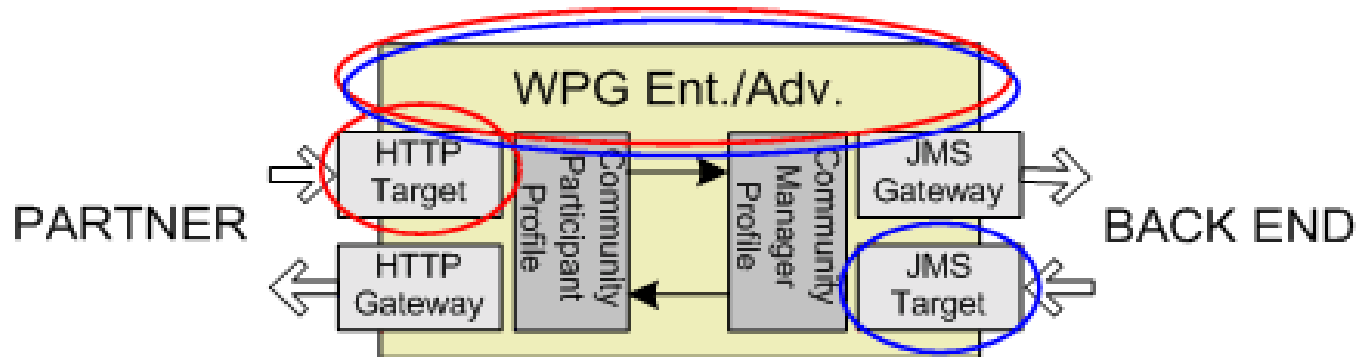


Configuring WPG Enterprise/Advanced

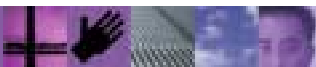
- **Configure WPG and MQ for JMS Integration -
Creating access to MQ for WPG**
 - Create the JMS Queues and Channels
 - Create the JMS Bindings File
 - Place the contents in a common location IF Receiver and Document Manager are on Separate Machines



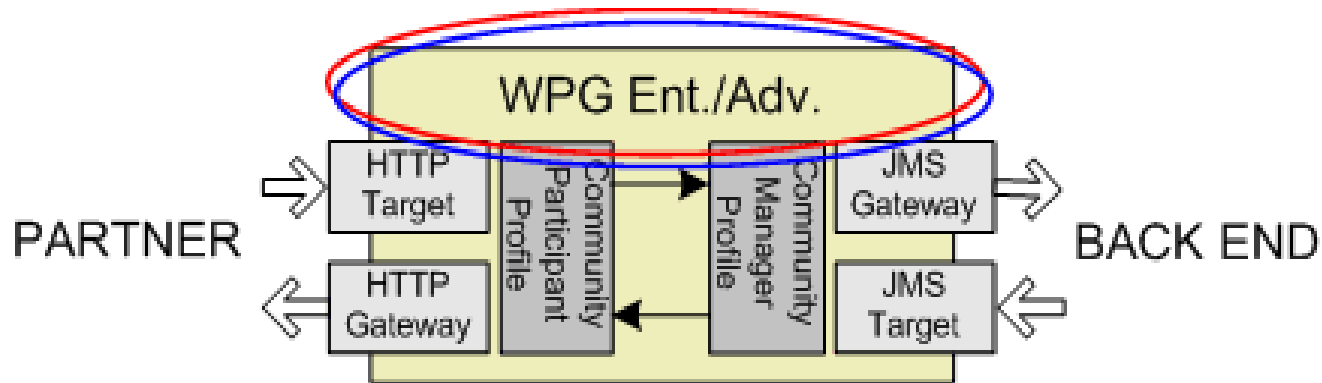
Configuring WPG Enterprise/Advanced



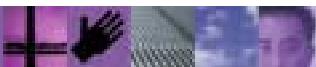
- Create Targets - entry points into WPG. From TP and back end systems.
 - One for Inbound Data - HTTP Listener
 - One for Outbound Data – MQ_Integration_EDI_OUT



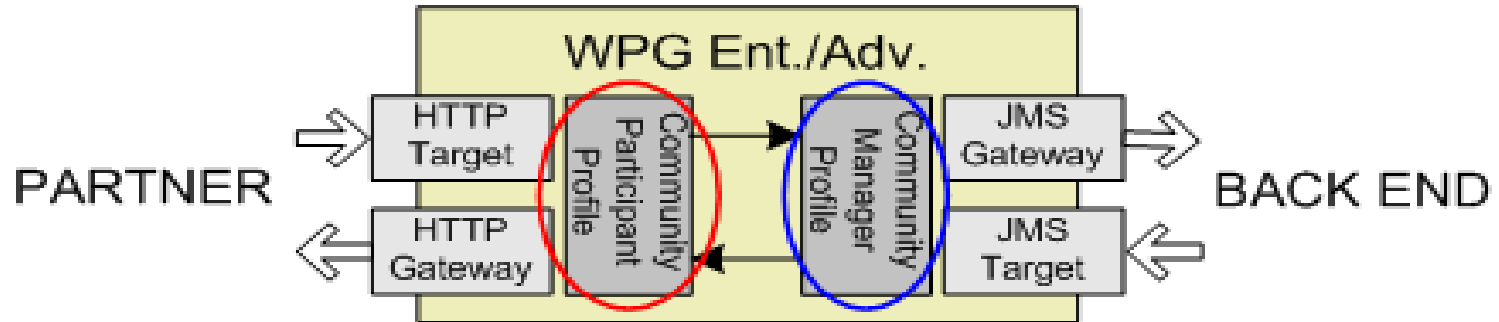
Configuring WPG Enterprise/Advanced



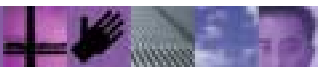
- Create Interactions - Define possible combinations of document flows that the hub will support
 - Package: AS to Package: None
 - Package: None to Package: AS



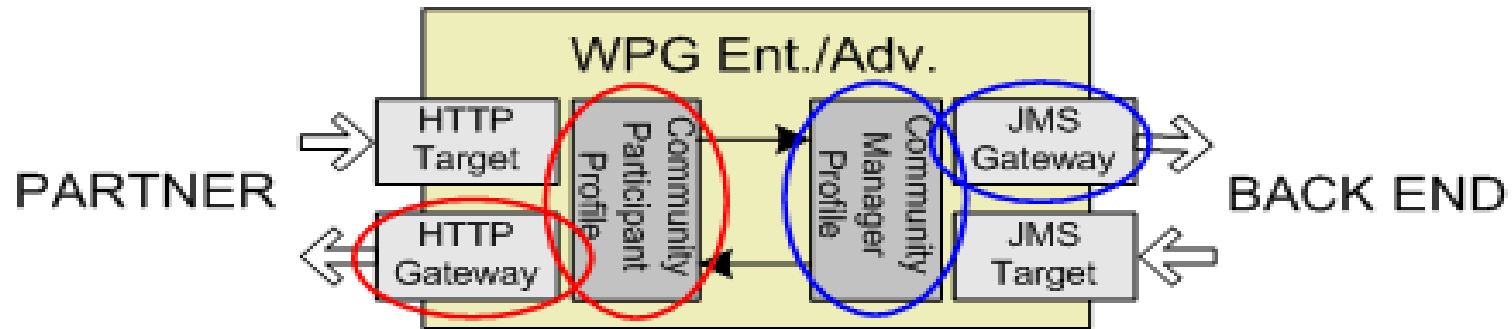
Configuring WPG Enterprise/Advanced



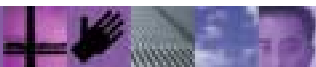
- Create Profiles - setup your company and trading partners in WPG
 - Create your company
 - Create you trading partners



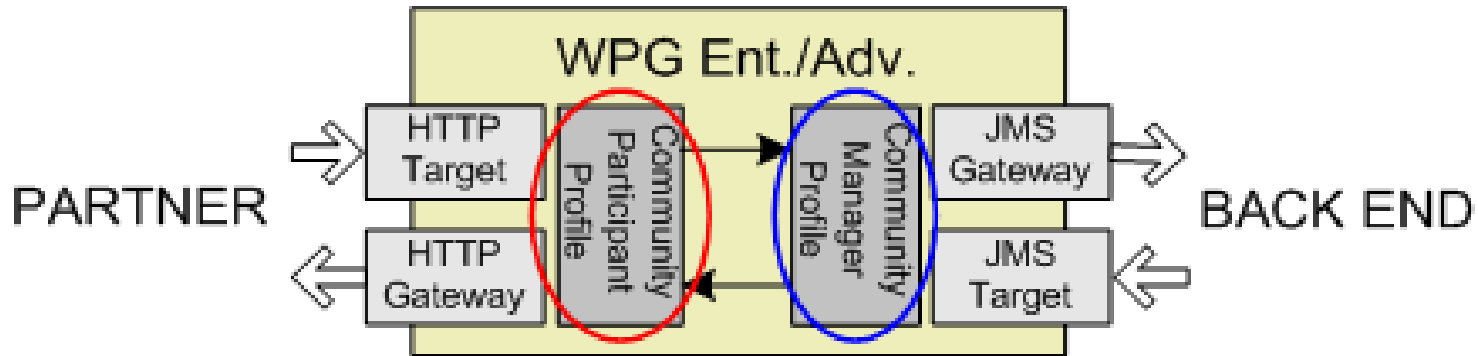
Configuring WPG Enterprise/Advanced



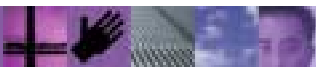
- Create Gateway - Transport mechanisms that are used to establish connections between your TP and your back end system.
 - One for Inbound Data - JMS Gateway EDI IN
 - One for Outbound Data - HTTP Gateway Out



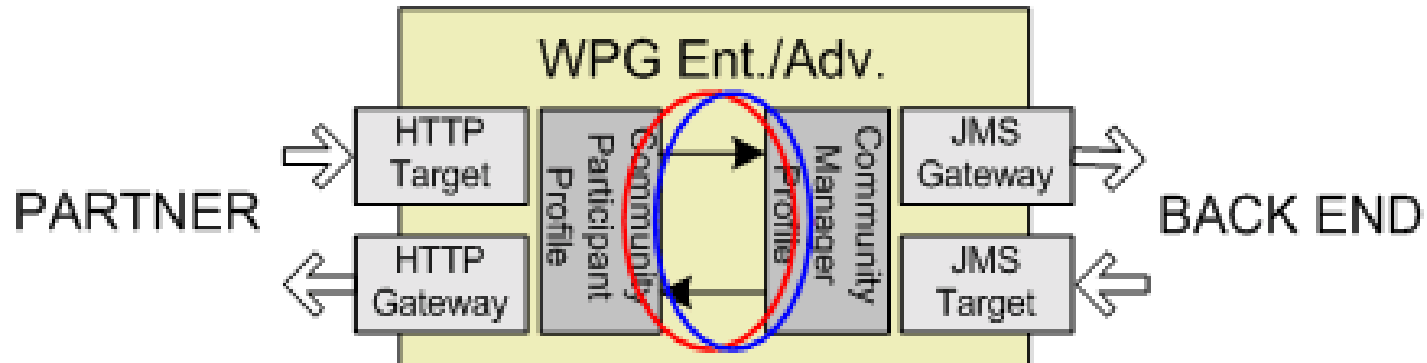
Configuring WPG Enterprise/Advanced



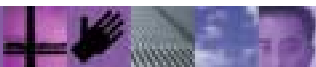
- Create B2B Capabilities - Configure the type of documents each TP will be allowed to send and receive.
 - For Inbound - AS to None
 - For Outbound - None to AS
 - Must be set for your company as well as each TP



Configuring WPG Enterprise/Advanced

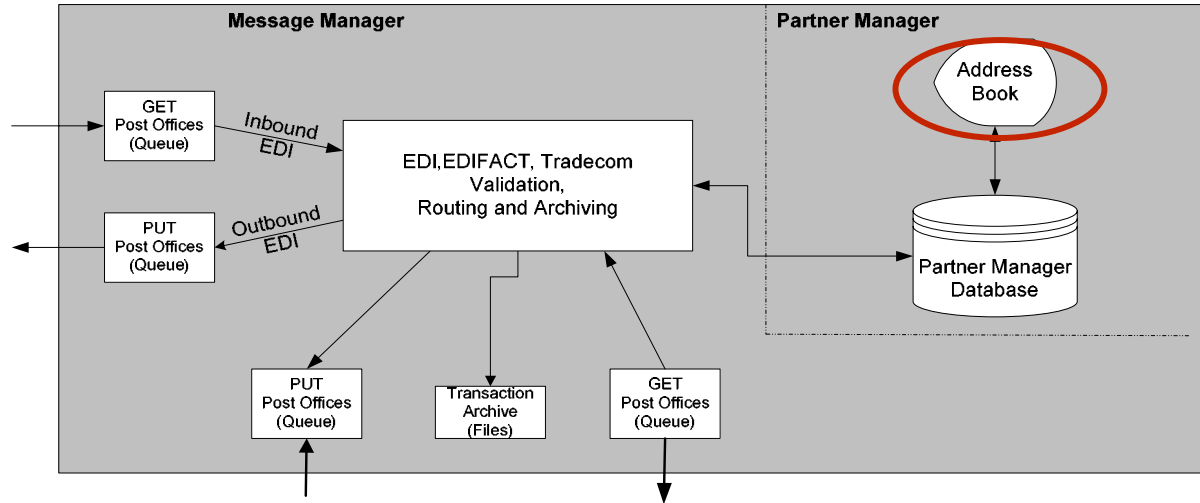


- Create Participant Connection - Defines the connections
 - For Inbound
 - For Outbound
 - Don't forget to check the Gateways

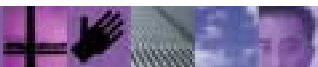


Configuring WTX Trading Manager

Trading Manager Overview

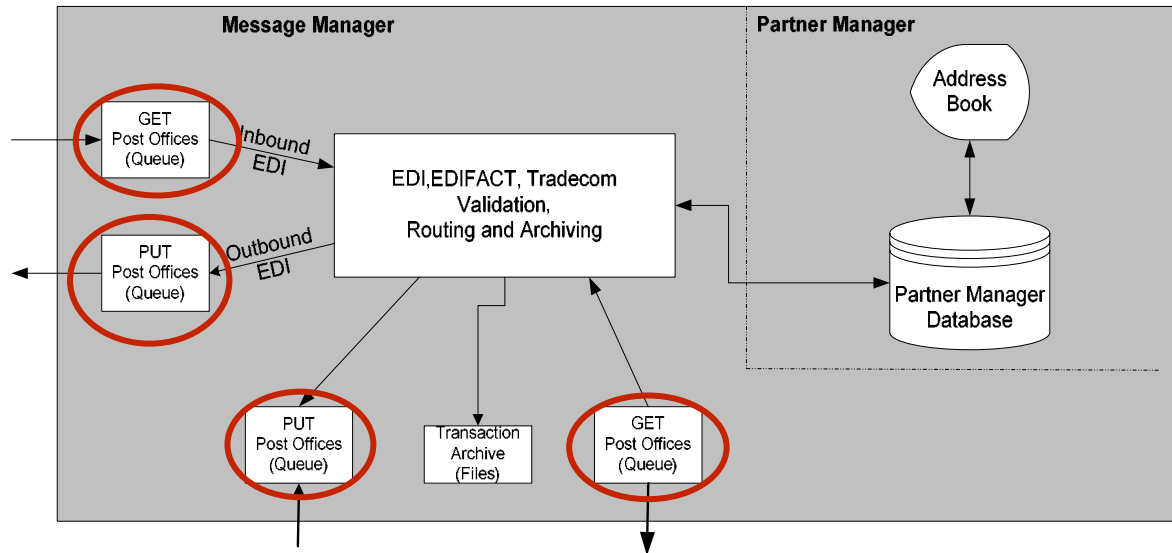


- Define TP - Create entries for yourself and each TP in the address book
 - Create your company - Internal
 - Create your Trading Partners - External
 - Add contact information as needed

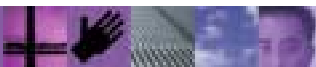


Configuring WTX Trading Manager

Trading Manager Overview

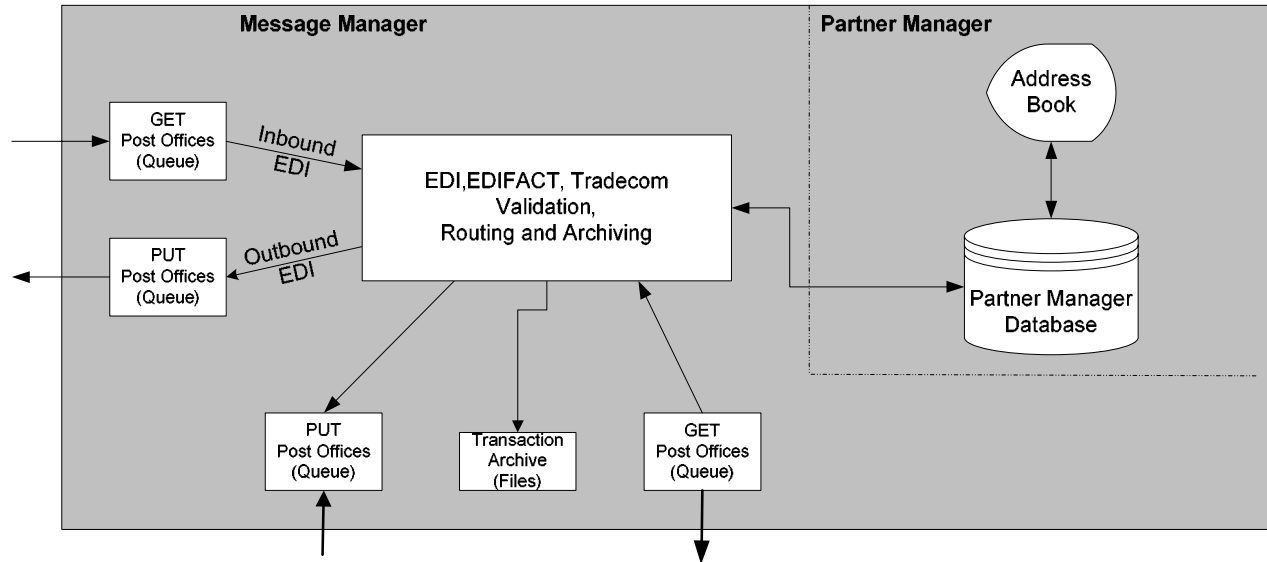


- Create Post Offices - Where to get and put the data. One set for communications link and one set for the application.
 - Inbound - Get
 - Outbound - Put

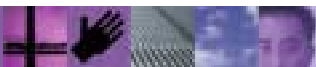


Configuring WTX Trading Manager

Trading Manager Overview

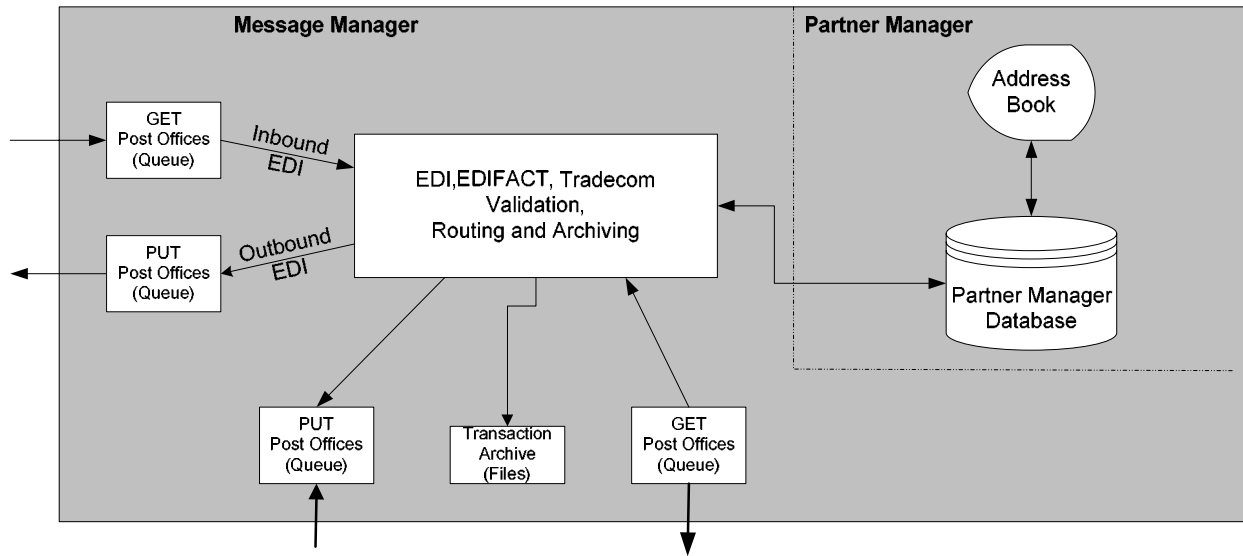


- Create Trade Links – Relationship between TP, transaction, version and you.
 - Inbound
 - Outbound

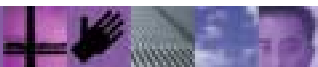


Configuring WTX Trading Manager

Trading Manager Overview

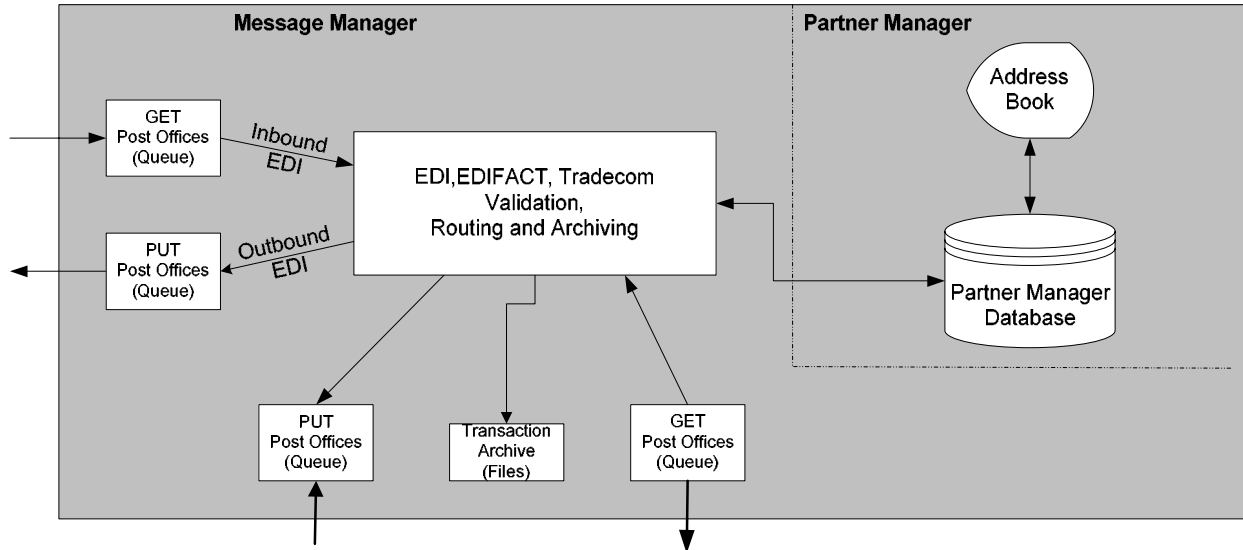


- Create Trade Link Type Trees - trimming the tree based upon the Trade Links
 - Run EDI Wizard



Configuring WTX Trading Manager

Trading Manager Overview

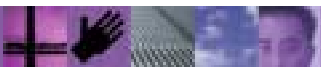


- Deploy the Message Manager



Products Used

- WPG Enterprise or Advanced
- WTX
 - Design Studio
 - Launcher
 - X12 Support Pack
 - Trading Manager



Redbooks

- Suggested Redbooks

- Can be found at <http://www.redbooks.ibm.com>
- B2B Solutions using WebSphere Partner Gateway V6.0
- B2B Solutions Using WebSphere Business Connection
- Secure Production Deployment of B2B Solutions using WebSphere Business Integration Connect



Summary

- WPG can be integrated into WTX using MQ
- WTX translation is a two step process
 - One for EDI validation
 - One for Application Mapping
- Trading Partners will have to be setup in each product (WPG and WTX)

