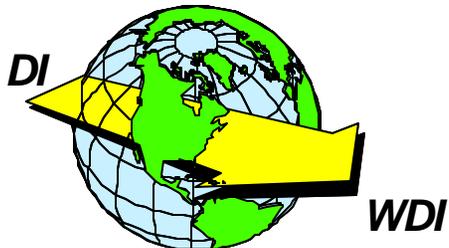


WebSphere Data Interchange

Integration with Cyclone Interchange

David Shannon
IBM Software Group

The Next Generation



2002 User Conference

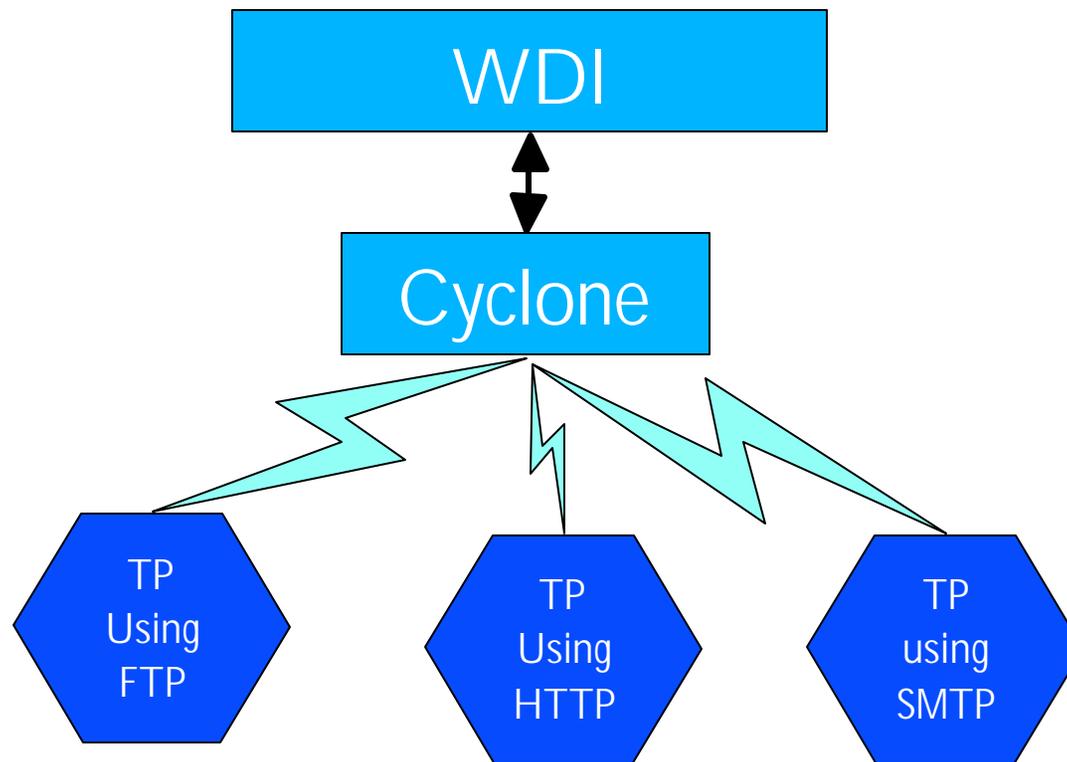
Agenda

- ★ What is Cyclone?
- ★ Overview of Integration
- ★ WDI Settings
- ★ Cyclone Interchange Settings
- ★ Trouble Shooting
- ★ Summary



What is Cyclone?

- ★ Cyclone is a product that provides multiple Internet transport protocols for EDI data



Cyclone Features

★ Cyclone provides the following transport protocols:

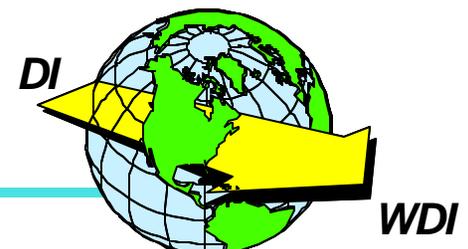
- FTP
- HTTP/HTTPS
- SMTP
- File System
- JMS

★ AS1/AS2 Security



Overview of Integration

- ★ WDI interacts with data on MQSeries queues
- ★ Cyclone interacts with data on JMS queues
- ★ Configuration requires at least two queues
 - One WDI to Cyclone queue
 - One Cyclone to WDI queue



Required Software

★ MQSeries with Service Pack MA88

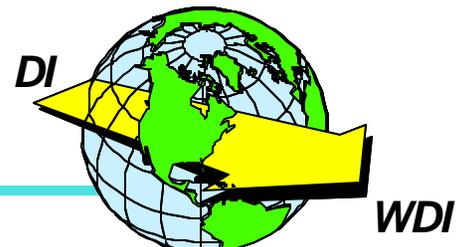
- <http://www-3.ibm.com/software/ts/mqseries/txppacs/ma88.html>

★ JNDI Provider

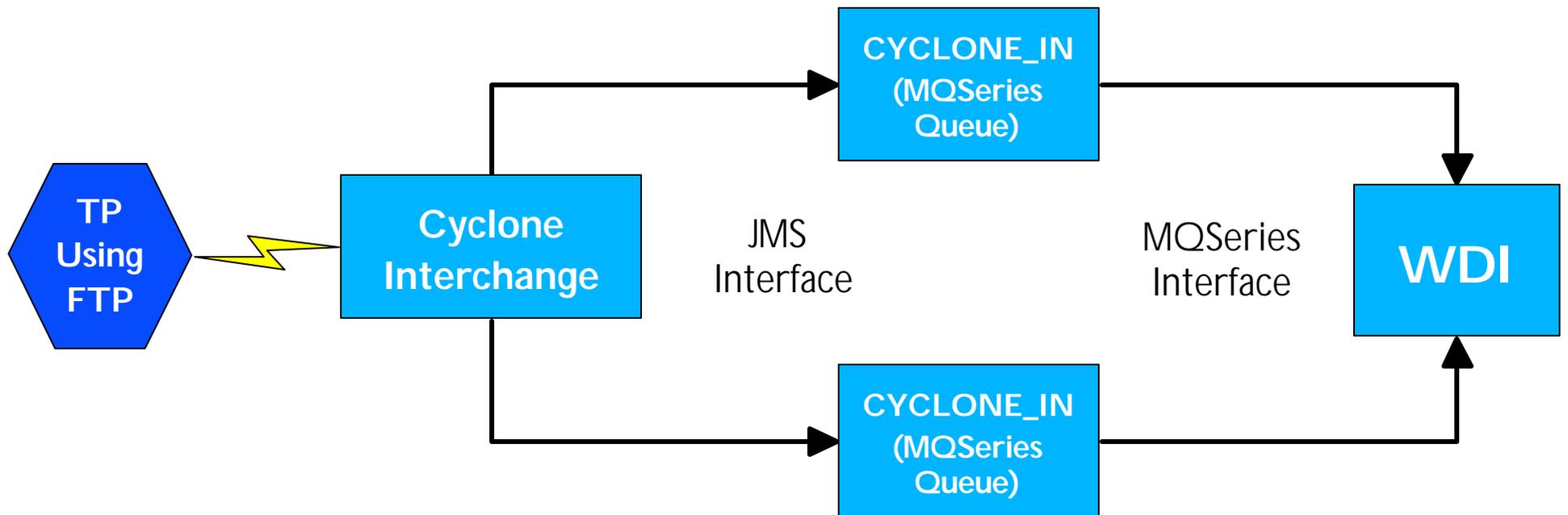
- WebSphere Application Server
- IBM SecureWay LDAP server

★ Cyclone Interchange

★ WDI 3.1 MP



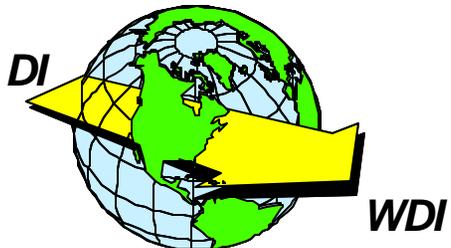
Configuration Overview



WebSphere Data Interchange

WDI Settings

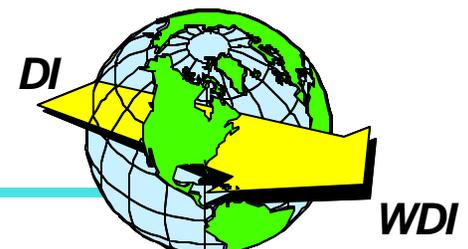
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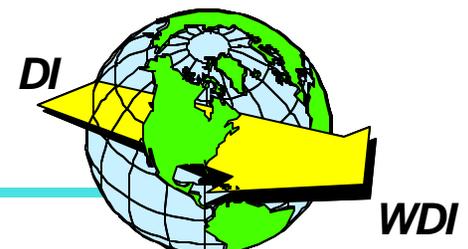
WDI Client Settings

- ★ Create input and output MQSeries Queues
- ★ Create MQSeries profiles for new queues
- ★ Create a network profile to access new queues
- ★ Create a Mailbox profile
- ★ Create a trading partner profile(s) that use the network profile created above



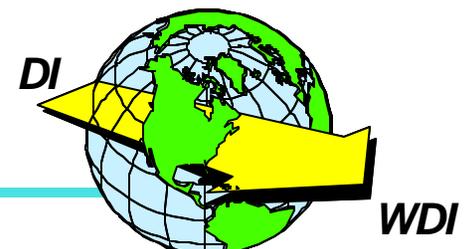
MQSeries Profile

- ★ This profile defines an MQSeries queue
 - Name
 - Queue manager name
 - Maximum message length for queue



Network Profile

- ★ This profile defines the parameters for a network
 - Communications routine (i.e. VANIMQ)
 - Network Program (i.e. EDICYCL)
 - Network parameters (i.e. values for SENDMQ/RECEIVEMQ)



Mailbox Profile

★ This profile defines many transport related parameters

- Mailbox ID used for receiving data must match the MQSeries queue if the WDI Adapter is going to work
- Network ID



WDI Settings

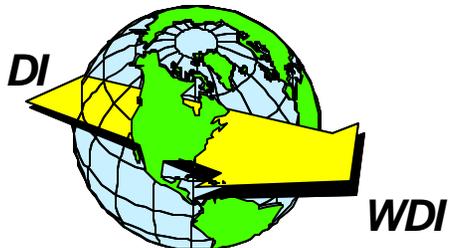
★ Any Questions?



WebSphere Data Interchange

Cyclone Interchange Settings

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Cyclone Interchange Overview

- ★ Cyclone Interchange Global JMS Integration
- ★ Setting up trading partners
- ★ Summary



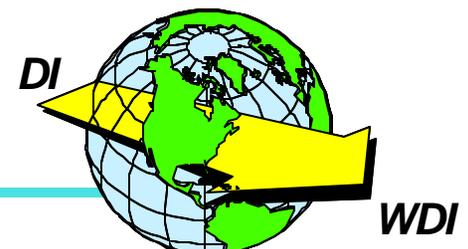
Cyclone Interchange Global JMS Integration

- ★ Cyclone Interchange passes data to a back-end process using the JMS interface
- ★ Cyclone Interchange retrieves data from a back-end processing using the JMS interface



Global JMS Integration Panel

- ★ Global JMS settings are configured from a panel in the Cyclone Interchange client program
 - Select Tools from the main menu
 - ✎ Select API from the Tools menu



Global JMS Integration Panel

★ Allows the user to set JMS settings such as:

- Input and output JNDI URL
- Input and output Name of JNDI factory
- Input and output Queue Connection Factory
- Input and output Queue name



JMS Settings panel

The screenshot shows a window titled "JMS Integration" with a close button (X) in the top right corner. The window has two tabs: "Documents" (selected) and "Events". The main content area is divided into two columns: "Inbound Documents" on the left and "Outbound Documents" on the right. Each column contains two sections: "JNDI" and "JMS".

Inbound Documents - JNDI:

- URL:
- Factory:
- User name:
- Password:
- Confirm password:

Inbound Documents - JMS:

- Queue connection factory:
- Queue:
- User name:
- Password:
- Confirm password:

Outbound Documents - JNDI:

- URL:
- Factory:
- User name:
- Password:
- Confirm password:

Outbound Documents - JMS:

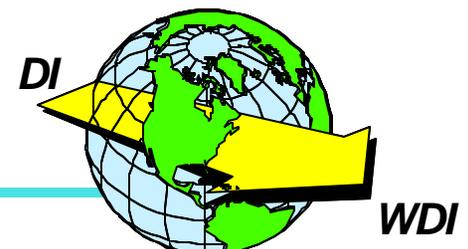
- Queue connection factory:
- Queue:
- User name:
- Password:
- Confirm password:

At the bottom right of the window are "OK" and "Cancel" buttons.



Setting up Trading partners

- ★ Cyclone Interchange has two main profiles
 - Company Profile
 - Trading partner Profile



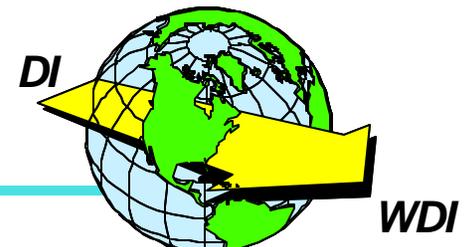
Setting up company profile

Company - IBM Software Group

Identity | Preferences | Inbound Transports | XML | System Directories | Integration | Tuning

Name:*	IBM Software Group	Contact:*	
Address:*		Title:	
		Department:	
City:*		Phone:	
State / province:		Fax:	
Zip / postal code:			
ISO country code:*			
ID:	ZZIBMSWG		

OK Cancel



Setting up company profile

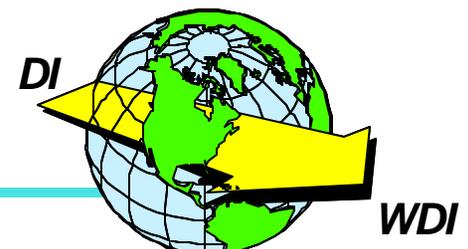
Partner - Franks Big Time Deli

Identity | Preferences | Outbound Transport | Firewall | Security | Binary Directories

Primary | Secondary

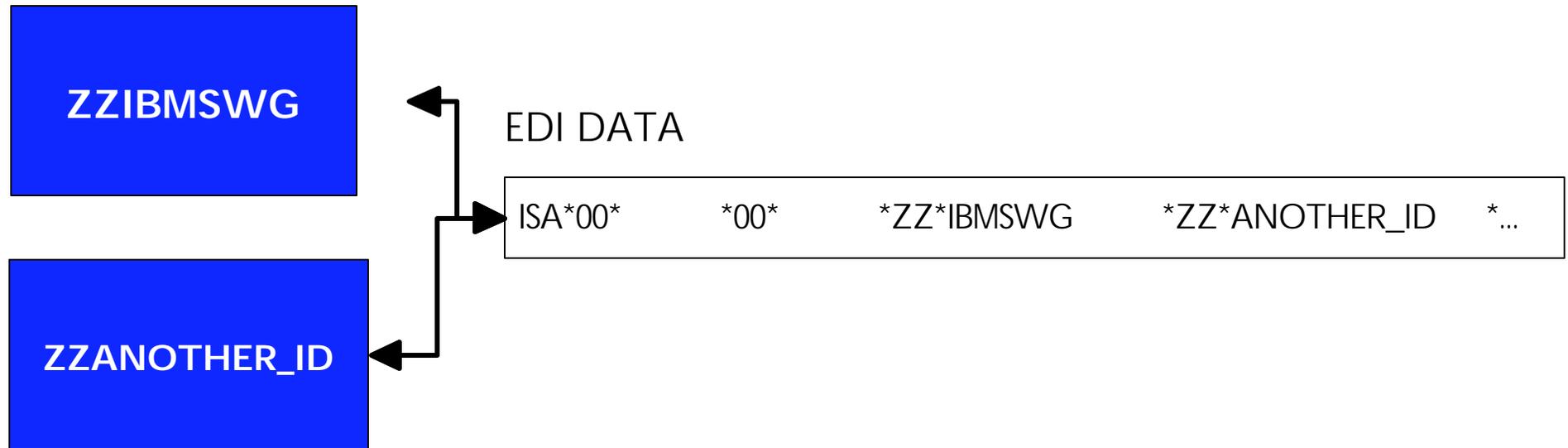
Name:*	Franks Big Time Deli	Contact:*	Frank Smith
Address:*	123 Pastrami Way	Title:	EO/ Chief Sandwich Maker
		Department:	
City:*	Tampa	Phone:	555-123-4567
State / province:	FL	Fax:	555-555-8585
Zip / postal code:	33607	Notify e-mail:	frank@greatsandwhich.com
ISO country code:*			
ID:	ZZFRANKS		

OK Cancel



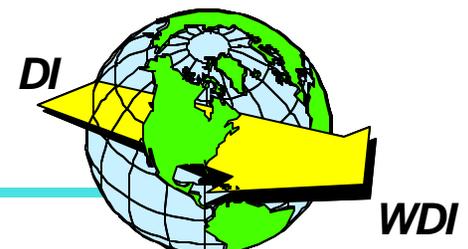
Setting up Trading partners

Cyclone Trading partner ID



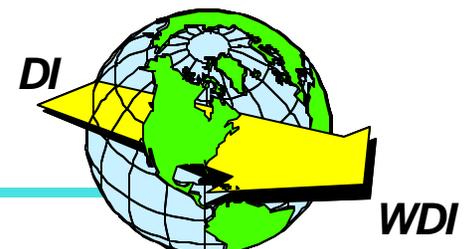
Cyclone Setup Summary

- ★ Cyclone Interchange can send data to and receive data from WDI
- ★ Global JMS Integration sends all inbound documents to WDI
- ★ Any documents that WDI sends to Cyclone will be matched to a trading partner and sent out using the configured transport mechanism



Troubleshooting

- ★ Most problems during testing related to JMS setup
- ★ EDICYCL network program
- ★ Verify MQSeries settings
- ★ Verify triggering is turned on for your Cyclone to WDI queue



Summary

★ Questions?

