BizTalk Server 2013
Cloud based Adapters

Steef-Jan Wiggers
Principal Consultant & Microsoft Integration MVP
Marathon
BizTalk Server 2013
Features and Capabilities

Support latest platforms & standards
- HL7 2.5.1, 2.6 SWIFT 2012 Message Pack X12 5030+, EDIFACT D05B+
- SAP 7.2, 7.3, Oracle DB 11.2, Oracle EBS 12.1, Siebel 8.1

Simplify Experience
- View artifact dependencies
- Simplified setup and configuration of ESB
- Simplified installation of SharePoint adapter
- Secure file transfer (SFTP)
- Connector for Informix and DB2 DRDA
- Web-based admin & deployment for TI

Improve Performance
- Host handler association of dynamic send ports
- MLLP improvements
- Multi-fold improvements in order to reduce time scenarios
- XsltCompiledTransform in Maps

Connect to the Cloud
- Build hybrid applications
- Connect to Azure Service Bus & Azure Storage
- REST support
- SharePoint Online
- Access Control Service

Run in the Cloud
- Reduce hardware procurement time
- Setup and configure BizTalk environment in minutes
- Pay for use
- Integrated with Azure Management Portal
BizTalk Server 2013 Cloud based adapters

- SB-Messaging
- WCF-BasicHttpRelay
- WCF-NetTcpRelay
- WCF-WebHttp
Service Bus Messaging

• Messaging Service Bus Queues and Topics

• Bridge Windows Azure and on-premises BizTalk Server

• Enabling Hybrid Solutions
Service Bus Messaging

QUEUES

- Loose coupling
- Interact though API’s
SB-Messaging Adapter

- Service Bus Queue

Message Sender

Client

Service Bus Namespace

Queue

Message Receiver

SB-Messaging Adapter

BizTalk Server 2013
Service Bus Messaging

TOPICS

• Messages consumed by multiple parties
• Set limitations through rules
• Load balancing and multi-cast
Service Bus Topics and subscriptions

SB-Messaging Adapter

Message Sender → Service Bus Namespace → Message Receiver

Client

BizTalk Server 2013

Topic

Subscription (Audit)

Subscription (1..N)
Service Bus Relay

- Rendezvous address
- RELAY
  - Outbound Connection
  - Client
  - Service
  - NAT
  - Firewall
  - Dynamic IP
WCF-BasicHttpRelay

- Send and receive messages from the Service Bus relay endpoints
- Derived from BasicHttp binding
- Listener in Windows Azure Service Bus
WCF-BasicHttpRelay

- BasicHttpRelay configuration
WCF-NetTcpRelay

- Receiving and sending WCF service requests with NetTcpRelay
- Derived from NetTcp binding
- Listener in Windows Azure Service Bus
WCF-NetTcpRelay

- NetTcpRelay configuration
WCF-WebHttp

- Send and receive messages to and from RESTful services.

Note:

- For GET and DELETE request, the adapter does not use any payload.
- For POST and PUT request, the adapter uses the BizTalk message body part to the HTTP content/payload.
WCF-WebHttp

- WebHttp Configuration

Client
Airport Application

Message Sender

Message Receiver

BizTalk Server 2013

WCF-WsHttp

WCF-WebHttp

http://www.faa.gov/airports/
New adapters in BizTalk 2013 will bring the cloud closer to on-premise systems
Resources

General

• BizTalk Server 2013 Beta Documentation
• BizTalk Server 2013 New Adapter Series

SB-Messaging

• Service Bus Messaging: Queues, SB-Messaging Adapter
• Service Bus Messaging: Queues, SB-Messaging Adapter – Part II
• BizTalk 2010 R2 CTP: Azure Service Bus Integration–Part 1
• BizTalk 2010 R2 CTP: Azure Service Bus Integration–Part 2
• BizTalk 2010 R2 CTP: Azure Service Bus Integration–Part 3
• BizTalk 2010 R2 CTP: Azure Service Bus Integration–Part 4
• BizTalk 2010 R2 CTP: Azure Service Bus Integration–Part 5
Resources

WCF-BasicHttpRelay/WCF-NetTcpRelay

• BizTalk Server 2013: New Adapters Series: WCF-BasicHttpRelay
• BizTalk Server 2013: New Adapters Series: WCF-NetTcpRelay

WCF-WebHttp

• REST (WCF-WebHttp) adapter in BizTalk Server 2010 R2
• BizTalk 2010 R2 - REST (WCF-WebHTTP) adapter usage sample
• BizTalk Server 2013: New Adapters Series: WCF-BasicHttpRelay
• BizTalk and Rest Example from BizTalk Saturday
• Exploring REST Capabilities of BizTalk Server 2013 (Part 1: Exposing REST Endpoints)
• Exploring REST Capabilities of BizTalk Server 2013 (Part 2: Consuming REST Endpoints)
Contact

- steef.jan.wiggers@motion10.com
- http://www.linkedin.com/in/steefjan
- @steefjan
- http://soa-thoughts.blogspot.com

www.motion10.com
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