

Course Outline

2933 – Developing Business Process and Integration Solutions using Microsoft BizTalk Server 2006



Duration: 5 days (30 hours)

Learning Objectives:

- describe the message processing architecture and the development environment provided by BizTalk Server 2006
- Create XML and flat-file schemas.
- Create a BizTalk map and use functoids to manipulate data in a map.
- Deploy a BizTalk project and view deployed assemblies.
- Route messages based on the contents of a received message.
- Configure common adapters to enable BizTalk integration.
- Create an orchestration to represent a business process.
- Use an orchestration shapes to define a detailed business process.
- Configure an orchestration for transactional business processing.
- Create, deploy, and manage a BizTalk application
- Configure BizTalk to consume and publish web services
- Enable Business activity monitoring (BAM) functions for business users.
- Integrate trading partners into a business process.

Target Audience:

This course is intended for solution architects and developers who are responsible for developing Microsoft BizTalk Server 2006 business process and integration solutions.

Topics Covered:

- Introduction to BizTalk Server 2006
 - What is BizTalk Server 2006?
 - What's new in BizTalk Server 2006?
 - The BizTalk Server development environment
 - Examining a BizTalk application
 - Test a BizTalk server application
- Creating Schemas
 - Introduction to BizTalk Schemas
 - Creating XML and flat-file Schemas
 - Creating BizTalk Schemas
 - Creating a New BizTalk Project
 - Creating an XML Schema using the flat file schema wizard

- Creating a schema from a sample XML message instance
 - Describe how BizTalk uses XML and identify the types of XML message types supported by BizTalk
 - Create an XML schema by using the BizTalk editor and create a flat-file schema by using the flat-file schema wizard.
- Creating Maps
 - Creating a BizTalk
 - Configuring Basic Functoids
 - Configuring advanced Functoids
 - Creating a BizTalk Map
 - Creating a Basic Map
 - Adding Functoids to a Map
 - Configuring advanced Functoids
- Deploying a BizTalk Project
 - Introduction to Deployment
 - Deploying an Assembly
 - Deploying an Assembly
 - Assigning a BizTalk project to an application
 - Building and deploying a BizTalk application
 - Creating receive ports and locations
 - Creating sent ports
 - Testing a BizTalk assembly
- Routing BizTalk Messages
 - Introduction to message routing
 - Configuring message routing
 - Tracking message activity
 - Enabling message routing
 - Promoting message properties
 - Configuring a filter Expressior
 - Testing message routing
- Creating Pipelines
 - Introduction to Pipelines
 - Building a Pipeline
 - Creating Pipelines
 - Create a new send pipeline used to encrypt messages
 - Test the send pipeline
- Integrating with Adapters
 - Introduction to BizTalk adapters
 - Configuring a BizTalk adapter
 - Integrating with adapters
 - Configuring the POP3 adapter
 - Configuring the SMTP adapter
 - Configuring the Windows SharePoint services adapter
- Creating a BizTalk Orchestration
 - Introduction to BizTalk Orchestration

- Building an Orchestration
- Monitoring Orchestrations
- Creating a BizTalk Orchestration
- Creating a new BizTalk Orchestration
- Creating a BizTalk Orchestration ports
- Creating BizTalk orchestration messages
- Automating Business Processes
 - Controlling the Flow of an orchestration
 - Configuring orchestrations
 - Automating a Business process
 - Configuring orchestration expressions
 - Configuring message correlation
 - Configuring exception handling
- Creating Transactional Business Processes
 - Introduction to transactions
 - Configuring transactions
 - Configuring a transactional business process
 - Configuring an orchestration as transactional
 - Configuring an atomic transaction
 - Configuring compensation
- Deploying and managing BizTalk applications
 - Introduction to BizTalk applications
 - Deploying an application
 - Deploying a BizTalk application
 - Creating a BizTalk application MSI package
 - Installing from a BizTalk application MSI package
 - Using binding files
- Integrating with web services
 - Introduction to Web services integration
 - Consuming a Web service
 - Publishing an orchestration as a Web service
 - Consuming and Publishing Web services with BizTalk
 - Publishing a BizTalk orchestration as Web service
- Integrating Business Rules
 - Introduction to Business rules
 - Integrating Business rules
 - Integrating business rules
 - Creating a business rule policy
 - Configuring an orchestration to call the business rules engine
 - Testing the BizTalk application

- Monitoring Business Activity
 - Introduction to business activity monitoring
 - Enabling business activity monitoring
 - Monitoring business activity
 - Creating a BAM activity
 - Creating a BAM view
 - Deploying a BAM view
 - Configuring BAM data collection
 - Testing BAM data collection
- Integrating with Trading Partners
 - Enabling trading partner integration
- Enabling Business Partner integration
 - Creating role links
 - Configuring an orchestration to use role links