



Course Outline

BizTalk 2006/2009 Bootcamp

Course Description:

This course, gives students an understanding of BizTalk Server 2006/2009. It covers creating BizTalk artifacts, an architectural overview of BizTalk and how it integrates into your business processes, the use of message and message routing, as well as mapping data from various formats into XML.

Course Objectives:

As a result of taking this course, you will be able to:

- Describe common BizTalk Server 2006/2009 scenarios and how BizTalk Server 2006/2009 works to process messages.
- Identify the tools provided in the BizTalk Server 2006/2009 development environment.
- 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.
- Describe how BizTalk messages are routed by various BizTalk components.
- Configure BizTalk message routing.
- Describe how adapters are used to connect BizTalk Server to external systems.
- Configure a protocol, data, and application adapter.

Course Prerequisites:

This course is designed for programmers with a minimal knowledge of .NET, an understanding of data and data elements and basic understanding of relational databases.

Modular Outline:

Module 00: Course Introduction

Module 01: Introduction to BizTalk Server 2006/2009

- What Is BizTalk Server 2006/2009?
- What's New in BizTalk Server 2006/2009?
- The BizTalk Server Development Environment

Module 02: Demo and Lab

- Demonstration of the Development Environment
- Lab : Examine and Test a BizTalk Application

Module 03: Introduction to BizTalk Schemas

- Creating XML and Flat-File Schemas
- Creating a New BizTalk Project
- Creating an XML Schema Using BizTalk Editor

Module 04: Creating a Schema

- Creating a Flat-File Schema Using the Flat File Schema Wizard



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- Creating a Schema from a Sample XML Message Instance

Module 05: Demo and Lab

- Manually Creating a Schema
- Using the Flat file Schema Wizard
- Lab : Creating BizTalk Schemas

Module 06: Creating Maps

- Creating a BizTalk Map
- Configuring Basic Functoids
- Configuring Advanced Functoids
- Creating a Basic Map
- Adding Functoids to a Map
- Configuring Advanced Functoids

Module 07: Demo and Lab

- Creating a Simple Map
- Creating a Complex Map
- Lab : Creating a BizTalk Map

Module 08: Deploying a BizTalk Project

- Introduction to Deployment
- Deploying an Assembly
- Assigning a BizTalk Project to an Application
- Building and Deploying a BizTalk Application
- Creating Receive Ports and Locations
- Creating Send Ports
- Testing a BizTalk Assembly
- Demo: Deploying an Application
- Lab: Deploying an Application

Module 09: Routing BizTalk Messages

- Introduction to Message Routing
- Configuring Message Routing
- Tracking Message Activity
- Promoting Message Properties
- Configuring a Filter Expression
- Testing Message Routing

Module 10: Demo and Lab

- Demo: Routing Messages with Orchestration
- Lab: Enabling Message Routing

Module 11: Integrating with Adapters

- Introduction to BizTalk Adapters



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- Configuring a BizTalk Adapter
- Configuring the POP3 Adapter
- Configuring the SMTP Adapter
- Configuring the Windows SharePoint Services Adapter

Module 12: Demo and Lab

- Demo: Configuring Adapters
- Lab : Integrating with Adapters

Module 13: Course Summary

PART II

Module 01: Creating Pipelines

- Introduction to Pipelines
- Building a Pipeline
- Create a New Send Pipeline Used to Encrypt Messages
- Test the Send Pipeline
- Demo: Creating and Using a Pipeline
- Lab: Creating Pipelines

Module 02: Creating a BizTalk Orchestration

- Introduction to BizTalk Orchestration
- Building an Orchestration
- Monitoring Orchestration
- Creating a New BizTalk Orchestration
- Creating BizTalk Orchestration Ports
- Creating BizTalk Orchestration Messages

Module 03: Demo and Lab

- Demo: Orchestration Basics
- Lab: Creating a BizTalk Orchestration

Module 04: Automating Business Processes

- Controlling the Flow of an Orchestration
- Configuring Orchestration
- Configuring Orchestration Expressions
- Configuring Message Correlation
- Configuring Exception Handling

Module 05: Demo and Lab

- Demo: Advanced Orchestration
- Lab : Automating a Business Process



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Module 06: Creating Transactional Business Processes

- Introduction to Transactions
- Configuring Transactions
- Configuring an Orchestration as Transactional
- Configuring an Atomic Transaction
- Configuring Compensation

Module 07: Demo and Lab

- Demo: Handling Transactions
- Lab : Configuring a Transactional Business Proc

Module 08: Integrating with Web Services

- Introduction to Web Services Integration
- Consuming a Web Service
- Publishing an Orchestration As a Web Service
- Publishing a BizTalk Orchestration as a Web Service

Module 09: Demo and Lab

- Demo: Consuming and Publishing Web Services
- Lab : Consuming and Publishing Web Services with BizTalk

Module 10: Deploying and Managing BizTalk Applications

- Introduction to BizTalk Applications
- Deploying an Application
- Creating a BizTalk Application MSI Package
- Installing from a BizTalk Application MSI Package
- Using Binding Files
- Demo: Deploying a BizTalk Application
- Lab: Deploying a BizTalk Application

Module 11: Implementing Business Rules

- Introduction to Business Rules
- Integrating Business Rules
- Creating a Business Rule Policy
- Configuring an Orchestration to Call the Business Rules Engine
- Testing the BizTalk Application
- Demo: Overview of Business Rules

Module 12: Monitoring Business Activity

- Introduction to Business Activity Monitoring
- Enabling Business Activity Monitoring
- Creating a BAM Activity
- Creating a BAM View
- Deploying a BAM View
- Configuring BAM Data Collection



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- Testing BAM Data Collection
- Demo: Overview of Business Activity Monitoring (BAM)

Module 13: Application Troubleshooting

- Use of Health and Activity Tracking
- Debugging and Orchestration
- Removing BizTalk Assemblies
- Following Messages Through the System
- Demo: Troubleshooting Techniques

Module 14: course Summary