

Business Process and Integration Solutions Using Microsoft BizTalk Server 2006

Course Summary

Description

This instructor-led course provides students with the knowledge and skills to efficiently and effectively integrate systems, employees, and trading partners through orchestration in a highly flexible and highly automated manner.

Objectives

At the end of this course, students will be able to:

- 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 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.
- Configure business rules and call a business rule from within an orchestration.
- Enable Business Activity Monitoring (BAM) functions for business users.
- Integrate trading partners into a business process.

Topics

- Introduction to BizTalk Server 2006
- Creating Schemas
- Creating Maps
- Deploying a BizTalk Project
- Routing BizTalk Messages
- Creating Pipelines
- Integrating with Adapters
- Creating a BizTalk Orchestration
- Automating Business Processes
- Creating Transactional Business Processes
- Deploying and Managing BizTalk Applications
- Integrating with Web Services
- Integrating Business Rules
- Monitoring Business Activity
- Integrating with Trading Partners

Audience

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

Prerequisites

Before attending this course, students must have: 1-2 years experience developing distributed applications, background in Microsoft .NET Framework concepts and technology, hands-on experience with Microsoft Visual Studio 2005, working knowledge of Microsoft SQL Server, and working knowledge of XML. No prior BizTalk experience is necessary.

Duration

Five days

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Course Outline

- I. Introduction to BizTalk Server 2006**
 - A. What Is BizTalk Server 2006?
 - B. What's New in BizTalk Server 2006?
 - C. The BizTalk Server Development Environment
- II. Creating Schemas**
 - A. Introduction to BizTalk Schemas
 - B. Creating XML and Flat-File Schemas
- III. Creating Maps**
 - A. Creating a BizTalk Map
 - B. Configuring Basic Functoids
 - C. Configuring Advanced Functoids
- IV. Deploying a BizTalk Project**
 - A. Introduction to Deployment
 - B. Deploying an Assembly
- V. Routing BizTalk Messages**
 - A. Introduction to Message Routing
 - B. Configuring Message Routing
 - C. Tracking Message Activity
- VI. Creating Pipelines**
 - A. Introduction to Pipelines
 - B. Building a Pipeline
- VII. Integrating with Adapters**
 - A. Introduction to BizTalk Adapters
 - B. Configuring a BizTalk Adapter
- VIII. Creating a BizTalk Orchestration**
 - A. Introduction to BizTalk Orchestration
 - B. Building an Orchestration
 - C. Monitoring Orchestrations
- IX. Automating Business Processes**
 - A. Controlling the Flow of an Orchestration
 - B. Configuring Orchestrations
- X. Creating Transactional Business Processes**
 - A. Introduction to Transactions
 - B. Configuring Transactions
- XI. Deploying and Managing BizTalk Applications**
 - A. Introduction to BizTalk Applications
 - B. Deploying an Application
- XII. Integrating with Web Services**
 - A. Introduction to Web Services Integration
 - B. Consuming a Web Service
 - C. Publishing an Orchestration As a Web Service
- XIII. Integrating Business Rules**
 - A. Introduction to Business Rules
 - B. Integrating Business Rules
- XIV. Monitoring Business Activity**
 - A. Introduction to Business Activity Monitoring
 - B. Enabling Business Activity Monitoring
- XV. Integrating with Trading Partners**
 - A. Enabling Trading Partner Integration