Developing Business Process and Integration Solutions Using Microsoft BizTalk Server

Overview:
This five-day instructor-led course provides students with the knowledge and skills to efficiently and effectively integrate systems, employees, and trading partners through orchestrations using Microsoft BizTalk Server.

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

Pre-requisites:
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
- Working knowledge of Microsoft SQL Server
- Working knowledge of XML
- No prior BizTalk experience is necessary

At Course Completion:
After completing this course, students will be able to:
- Describe the message processing architecture and the development environment provided by BizTalk Server
- Create XML and flat-file schemas
- Create a BizTalk map and use functoids to manipulate data in a map
- 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

Read on...

Module 1: Introduction to BizTalk Server
- Lab: Examining a BizTalk Application

Module 2: Creating Schemas
- Lab: Creating and Configuring BizTalk Schemas

Module 3: Creating Maps
- Lab: Creating a BizTalk Map

Module 4: Deploying and Managing BizTalk Applications
- Lab: Deploying and Managing BizTalk Applications

Module 5: Routing BizTalk Messages
- Lab: Routing BizTalk Messages

Module 6: Creating Pipelines
- Lab: Creating Pipelines

Module 7: Integrating with Adapters
- Lab: Integrating with Adapters

Module 8: Creating a BizTalk Orchestration
- Lab: Creating a BizTalk Orchestration

Module 9: Automating Business Processes
- Lab: Automating Business Processes

Module 10: Creating Transactional Business Processes
- Lab: Creating Transactional Business Processes

Module 11: Business Rules
- Lab: Integrating Business Rules

Module 12: BAM
- Lab: Monitoring Business Activity

Module 13: Using WCF Receive Adapters
- Lab: Using WCF Receive Adapters

Module 14: Using WCF Send Adapters
- Lab: Using WCF Send Adapters

Module 15: Implementing Messaging Patterns
- Lab: Implementing Messaging Patterns

Module 16 (optional): Integrating with the WCF LOB Adapter Framework
- Lab: Integrating with the WCF LOB Adapter Framework

Module 17 (optional): WF and WCF Interceptors for BAM
- Lab: WF and WCF Interceptors for BAM

Module 18 (optional): Receiving EDI Messages
- Lab: Receiving EDI Messages

Module 19 (optional): Sending EDI messages
- Lab: Sending EDI messages

Module 20 (optional): New Features in BizTalk Server 2013 and 2013 R2
- Lab: Exposing REST Services and Using JSON message encodings