

*“Go to the next level with this advanced class  
for experienced BizTalk developers”*



Building on the skills acquired in QuickLearn's BizTalk Developer Immersion, Deep Dive attendees are guaranteed to be challenged as they use advanced BizTalk Server techniques to build a complex integration solution.

## Flexible Learning Options

### Attend in Person

- Industry expert trainers
- Relevant training skills
- High-tech teaching tools

### Connect Remotely

- Classroom-in-the-cloud
- Connect from anywhere
- 24-hour access to labs

### Bring Us Onsite

- Customized curriculum
- Connect staff from multiple locations
- Access virtual labs over the Internet

*“After the first few days of training, I looked over some of my existing BizTalk deployments & immediately saw ways to improve & streamline.”*  
-Eric B.

*“This is one of the best learning sessions I’ve ever had.”* –Rahul J.

## Course Highlights



*At course completion, students will be able to:*

- Create & implement custom simple & complex types in schemas
- Call external assemblies using the Scripting functoid
- Create custom functoids
- Design maps that execute custom XSLT
- Create EDI-based solutions to receive, send, & batch messages
- Create messaging solutions that de-batch flat-file & XML interchanges
- Build processes that subscribe to failed messages
- Create custom pipeline components
- Integrate with SQL Server databases using the WCF-SQL adapter
- Integrate with SharePoint Server
- Send & receive data to FTP sites using SSL
- Integrate with mainframe computers using Host Integration Server (HIS)
- Create loosely-coupled orchestrations using direct-bound ports
- Invoke orchestrations using the Call Orchestration & Start Orchestration shapes
- Develop applications that use dynamic send ports
- Implement complex orchestration patterns including: external code invocation, convoys, transactions & compensation & exception handling
- Aggregate message instances using an orchestration & send pipeline
- Create a role & party-based integration solution
- Create business-rule vocabularies & polices
- Create custom tracking solutions using Business Activity Monitoring
- Extend visibility to custom .NET application using the BAM API

## Audience



*This course is intended for:*

- Experienced BizTalk developers who have at least one year of hands-on experience developing BizTalk applications

## Course Outline

### Module 1: Review of BizTalk Server Fundamentals

- BizTalk Server Architecture
- Creating a BizTalk Solution

### Module 2: The BizTalk Messaging Engine

- Lesson 1: Messaging Engine Deep Dive
- Lesson 2: Schema Design
- Lab: Creating Reusable Types in a Schema
- Lesson 3: Data Transformation
- Lab: Creating Custom Functoids
- Lesson 4: Transforming Data using Custom XSLT
- Lab: Transforming Messages using Custom XSLT
- Lesson 5: De-Batching Message Interchanges
- Lab: Processing Flat-File Interchanges
- Lab: Processing XML Interchanges
- Lesson 6: Creating Custom Pipeline Components
- Lab: Creating Custom Pipeline Components

### Module 3: Integrating with External Services

- Lesson 1: Role of Adapters in BizTalk
- Lesson 2: Connecting to External Services
- Lab: Building a Service Aggregator Orchestration
- Lab: Exposing BizTalk Processes as Services
- Lab: Integrating with SQL Databases
- Lab: Integrating with SharePoint
- Lab: Integrating using the FTP Adapter
- Lab: Integrating with Mainframe Applications

### Module 4: The BizTalk Orchestration Engine

- Lesson 1: Orchestration Engine Deep Dive
- Lab: Configuring Exception Handling
- Lesson 2: Orchestration Communication Patterns
- Lab: Advanced Orchestration Communication
- Lesson 3: Advanced Orchestration Patterns
- Lab: Creating Convoys
- Lesson 4: Transactional Scopes and Compensation
- Lab: Creating Transactions and Compensation

### Module 5: Integrating using Parties and EDI

- Lesson 1: Introduction to Trading Partner Integration
- Lesson 2: Introduction to EDI
- Lesson 3: Creating EDI and AS2 Solutions
- Lesson 4: The Pieces of a TPM Solution
- Lab: Implementing an EDI Messaging Solution

### Module 6: Integrating with Business Rule Policies

- Lesson 1: Introduction to Business Rules
- Lesson 2: Integrating Business Rules
- Lab: Integrating Business Rules

### Module 7: Enabling Business Activity Monitoring

- Lesson 1: Intro to Business Activity Monitoring
- Lesson 2: Enabling Business Activity Monitoring
- Lesson 3: Extending BAM Beyond BizTalk
- Lab: Creating a Simple BAM Solution
- Lab: Gathering Data Using the BAM API

QuickLearn is an industry leader for training on Microsoft developer tools & servers. Our instructors are industry experts & our courses employ leading-edge learning tools. We offer flexible learning options including live instructor-led classes for local & distance learning attendees. We also deliver private classes onsite or over the Internet using our cloud-based virtual classroom environment.