

# BizTalk Developer

## All about Microsoft BizTalk Server

This course is designed to educate .NET developers on how to create enterprise-class integration solutions using Microsoft BizTalk Server. This intensive, yet entertaining and engaging, guided tour of BizTalk Server teaches developers the core skills needed to build integration applications. Become a more efficient and confident BizTalk Server developer in just 5 days!

Training at our offices.

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**At the completion of this course, attendees will be able to:**

- > Automate deployment using MSIs and scripts
- > Create and configure XML and flat file schemas
- > Transform messages using maps
- > Manipulate data using Functoids
- > Enable message routing and processing using receive and send ports
- > Troubleshoot exceptions
- > Enable tracking of BizTalk Server activity
- > Create and configure pipelines to process XML, flat file, and EDI data
- > Create orchestrations to automate critical business processes
- > Implement orchestration patterns such as correlation and direct-bound ports
- > Integrate with ASMX, WCF, PHP, JAVA, and REST services
- > Implement a variety of adapters
- > Integrate with trading partners and applications using EDI - After Hours
- > Develop Business Rules Engine (BRE) policies - After Hours
- > Enable Business Activity Monitoring (BAM) - After Hours

## Course Details

<b>MODULE 1:</b>	<b>BizTalk Server Overview</b> What Is BizTalk Server BizTalk Components and Capabilities What's New in BizTalk Server BizTalk Server Tools and Tasks
<b>MODULE 2:</b>	<b>Creating BizTalk Schemas</b> Introduction to BizTalk Schemas Creating Schemas Creating Custom Data Types Schemas for Non-XML Messages
<b>MODULE 3:</b>	<b>Creating BizTalk Maps</b> Creating a BizTalk Map Manipulating Data Using Functoids BizTalk Mapper Usability Features
<b>MODULE 4:</b>	<b>Deploying BizTalk Applications</b> Deploying Fundamentals Deploying Assemblies Working with Binding Files Deploying Using MSI Packages
<b>MODULE 5:</b>	<b>Enabling Message Routing Using Ports</b> Introduction to Message Routing Configuring Message Routing Monitoring BizTalk Processes Enabling Tracking and Viewing Tracked Data
<b>MODULE 6:</b>	<b>Troubleshooting BizTalk Runtime Exceptions</b> Troubleshooting Issues Using the Group Hub
<b>MODULE 7:</b>	<b>The BizTalk Server Runtime Hosting Model</b> Concepts of Hosts and Host Instances Managing BizTalk Hosts and Host Instances
<b>MODULE 8:</b>	<b>Tracking BizTalk Server Activity</b> Enabling Tracking and Viewing Tracked Data How Does Tracking Really Work?
<b>MODULE 9:</b>	<b>Creating Pipelines</b> Introduction to Pipelines Building Custom Pipelines

<b>MODULE 10</b>	<b>Basic Orchestration Design</b>
	Introduction to BizTalk Orchestration Building an Orchestration
<b>MODULE 11:</b>	<b>Advanced Orchestration Design</b>
	Orchestration Shapes Logical Port Binding Options Implementing Correlation Invoking Orchestrations
<b>MODULE 12:</b>	<b>Introduction to WCF Adapters and Two-Way Communication</b>
	Communication with Two-Way Services Adapter Hosting Models Concepts of BizTalk Server's WCF Adapters
<b>MODULE 13:</b>	<b>RESTful API Integration</b>
	RESTful APIs 101 Address Templating HTTP Verbs, Headers, and Response Codes Working with JSON Encoded Messages Preprocessing Messages with IIS Modules
<b>MODULE 14:</b>	<b>Integrating with Databases Using the WCF-SQL Adapter</b>
	Generating BizTalk Artifacts from Database Registering the WCF-SQL Adapter
<b>MODULE 15:</b>	<b>Integrating with Azure Service Bus</b>
	What Is Service Bus? Connecting to Service Bus
<b>AFTER HOURS: SELF-PACED VIDEOS</b>	
	Managing Logic Using the Business Rules Engine (BRE) Integrating Across Business Boundaries Using Parties, Roles, and EDI Enabling Business Activity Monitoring (BAM)