

# BizTalk 2009: Whiteboard to Maintenance

**Course Length: 5 days**

**Price: \$3,000**

## Summary

In this course we move through the complete lifecycle of a BizTalk 2009 project. By the end of the course we will have designed, implemented, tested, deployed, monitored, and redeployed with the next version of our solution. This course can also be taught with previous versions of BizTalk. Our delivery approach is a mixture of lecture, demonstrations, instructor-led hands on labs, and mastery labs. Mastery labs are specifications similar to what you would expect in real world BizTalk projects. This course requires extended hours and usually runs from 8 AM until 5:30 PM Monday through Thursday and wraps up at 4 PM on Friday.

## Who Should Attend?

While experience in .NET development, XML, XSLT, and Web Services is required. No prior experience with a previous version of BizTalk server is required.

## Course Outline

### Introduction to BizTalk

- Problem Space
- Alternatives (including Workflow Foundation)
- History: BizTalk 2000 to 2009 and beyond
- BizTalk Architecture
- What's New in BizTalk 2009
- WCF Support

### Designing Solutions

- Patterns in General
- Splitter/Aggregator Drilldown
- FIFO, Interrupt and other Patterns

## Messaging Normalization and Routing

- Schema Creation
- Map/XSLT Creation
- Publish and Subscribe Routing
- Underlying SQL Tables and Stored Procedures
- Flat File to XML
- De-batching Interchanges
- Recovering Failed Interchanges

## Opportunities for Extension

- Custom Pipeline Components
- Built-in Adapters
- WCF Adapters
- Custom Adapters
- External Scripting Functoids
- Debugging Extensions

## Business Process Management

- Orchestrations
- Transactions
- Correlation
- Message Aggregation
- Convoys
- FIFO Settings

## Monitoring

- BAM
- Using Performance Counters
- BizTalk Administration Console

## Business Rules Engine

- The Rete Algorithm
- Vocabulary
- Defining Good Rules
- Using Policies from Code
- Tracking Rule Events

## Performance

- Performance Counters
- Messagebox Clusters
- Settings for Tuning

## Updating

- Versioning
- High Availability Updates
- Interrupt Pattern
- Alternate Strategies