

## BizTalk Expert Series: EDI

### Course Summary

#### Description

Electronic Data Interchange (EDI) is an electronic communication method that provides standards for exchanging data via electronic means. These standards enable two different companies or organizations, even in two different countries, to electronically exchange documents such as purchase orders, invoices, shipping notices, and many others. Organizations all over the world use EDI as the foundation for intra-business communication.

This course is designed for experienced BizTalk Developers and Administrators who are responsible for planning, creating, and deploying EDI-based integration solutions using BizTalk Server. Attendees of this course will learn how to implement sophisticated business-to-business integration solutions using EDIFACT, X12 (including HIPAA), and AS2.

#### Objectives

After taking this course, students will be able to:

- Create parties
- Configure profiles, including protocol and encoding settings
- Create EDI and AS2 agreements
- Create batches of EDI messages
- Split batched messages
- Configure the creation and processing of acknowledgement messages
- Customize EDIFACT and X12 schemas
- Build maps for transforming EDI messages
- Configure tracking and reporting for EDI message processing
- Route messages using EDI-specific properties

#### Topics

- Review of BizTalk Server Fundamentals
- Integration with Trading Partners
- EDI Agreement Deep Dive
- Creating Messaging-Based EDI Solutions
- Splitting EDI Interchanges
- Enabling EDI Message Batching
- Enabling AS2-Based Integration
- Tracking Events and Data from EDI Messages
- Working with EDI Schemas
- Transforming EDI Messaging

#### Audience

- Experienced BizTalk Server Developers who have hands-on experience developing BizTalk Server applications.
- Experienced BizTalk Server Administrators who have hands-on experience supporting BizTalk Server applications.

#### Prerequisites

Students should have experience with core BizTalk Server development concepts and skills. The course assumes that attendees already understand the key concepts of the core BizTalk Server runtime and want to explore fully the EDI/AS2 features and capabilities of the BizTalk Server platform.

#### Duration

Three Days

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### Course Outline

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#### **I. *Review of BizTalk Server Fundamentals***

- A. BizTalk Server Architecture

#### **II. *Integration with Trading Partners***

- A. A Brief History of EDI
- B. VAN Architecture
- C. Creating a Trading Partner Integration Solution

#### **III. *EDI Agreement Deep Dive***

- A. The Role of Agreements
- B. Creating Agreements for X12 Processing
- C. Creating Agreements for EDIFACT Processing

#### **IV. *Creating Messaging-Based EDI Solutions***

- A. Routing Messages Using Promoted Properties
- B. Working with Acknowledgements

#### **V. *Splitting EDI Interchanges***

- A. Debatching EDI Messages
- B. Performance Considerations for Large Messages

#### **VI. *Enabling EDI Message Batching***

- A. Understanding the Provided EDI Batching Mechanism
- B. Enabling Batching of EDI Messages

#### **VII. *Enabling AS2-Based Integration***

- A. AS2 Architecture
- B. Configuring AS2 Settings

#### **VIII. *Tracking Events and Data from EDI Messages***

- A. Tracking EDI and AS2 Messages

#### **IX. *Working with EDI Schemas***

- A. Review of BizTalk Schemas
- B. Working with EDI Schemas
- C. Understanding Implementation Guides
- D. Enabling HIPAA Sub-Document Splitting

#### **X. *Transforming EDI Messaging***

- A. Review of Mapping
- B. Advanced Mapping Patterns
- C. Typical EDI Mapping Patterns