SETC Training Corporate Logo

BizTalk Training: Complete Application Development Course (BTPRODEV, 4 jours)

Description

The course Complete Application Development Course (BizTalk Training) takes you on an exploration of BizTalk development. The training includes required XML skills and allows you to build complex BizTalk messaging solutions using content based routing, custom maps and schemas, and orchestrations. In the end, you create a complete BizTalk messaging solution.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

BizTalk Essentials

- The Need for XML
- XML Technology Overview: Xml, Xsl, Schemas, DTDs and Xslt
- The Role of XML in Enterprise Integration
- The EAI Challenge
- The Components of a BizTalk Application
- The Messaging Lifecycle
- The Need for Business Rules
- Other BizTalk Components: Hat, Hws, Bas and Bam
- .NET Assemblies: The GAC

XML Fundamentals

- The W3C Recommendation
- Language Components: Elements, Attributes and More
- The Document Prolog
- The Well Formed XML Document
- The Root Element
- Opening and Closing Tags
- Document Structure
- Attributes
- Structural Validation: DTDs Vs Schemas

XML Schemas

- The Purpose of XML Schemas
- The Schema As An XML Document
- Comparing XML Schemas To DTDs
- Creating Elements
- Creating Attributes
- Defining the XML Document Structure
- Linking the XML Document To a Schema
- Creating and Testing a Schema with BizTalk Editor

Mastering XSL

- The Mvc Model: Separation of Data and Interface
- Applying XSL Templates
- Other Tags

The Purpose of XSL
How the XSL Engine Works
Invoking the Xslt Component of the Parser
The XSL Document As An XML Document
Understanding Xpath
XSL Document Structure
Navigating the XSL Document
Creating XSL Templates
BizTalk Artifacts: Schemas.
Creating a Schema with BizTalk Editor
Properties and Distinguished Fields
Creating a Flat File Schema
Large File Processing
Creating a Map with BizTalk Mapper
Using Functoids: Basic To Advanced
Scripting Functoids
Production Notes
BizTalk Messaging
The Messaging Lifecycle
Physical Receive Ports and Receive Locations
Physical Send Ports and Send Port Groups
Implementing Pipelines
Implementing Content Based Routing
Tracking a Message: Using Hat
Production Notes
Pipelines
The Messaging Lifecycle: The Need for Pipelines
Receive Pipelines
Send Pipelines
Creating Custom Pipeline Components
Creating Custom Support Components for a Pipeline
Production Notes
Orchestration Basics
The Messaging Lifecycle: Using 1 Orchestration
Logical Ports and Their Messages
Modeling the Business Process
Sending and Receiving Data
Basic Shapes
Advanced Shapes
Linking the Orchestration with the Outside World: Deployment
Debugging Orchestrations
Production Notes
Orchestration Essentials
The Messaging Lifecycle: Using Multiple Orchestrations
Production Notes
Defining Orchestration Parameters
Using Correlation Sets
Implementing Transactions and Compensators
Implementing Exceptions
Calling .NET Assemblies

Calling Orchestrations Programmatically
Integrating Business Rules
Monitoring Orchestrations

Web Services

XML Web Services Overview
Creating a Web Service
Consuming a Web Service
Calling a Web Service From and Orchestration
Publishing BizTalk Components Using Web Services
Calling Web Service Orchestrations Programmatically