

BizTalk Training: A Complete Course for Administrators (BTADM, 4 jours)

Description

The course A Complete Course for Administrators (BizTalk Training) provides a total insight into the workings of BizTalk. Beginning with XML and its relationship with BizTalk, the course proceeds to BizTalk architecture and BizTalk installation. The training includes schemas, maps, pipelines, assemblies & orchestrations. Participants implement complete message routing scenarios that make use of content based routing, custom maps and transformations and custom orchestrations. The course discusses every aspect of a BizTalk implementation including Web Services & adapters. The course concludes with a thorough exploration of BizTalk application deployment.

Tarifs

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

Plan de cours

Application Architecture

The Need for XML

The Application Tiers: 1, 2 and 3-Tiered Applications

Distributed Applications: Technology and Infrastructure

About the .NET Framework

What is BizTalk Server and why is it Useful?

Overview of BizTalk Messaging Architecture

BizTalk as an Enterprise Application Integration Solution

BizTalk as an E-Business Solution

BizTalk and Legacy Integration

BizTalk Server Component Overview

BizTalk Component Overview

The BizTalk Messaging Engine

The BizTalk Development Environment: Visual Studio .NET

BizTalk Server Administrator

BizTalk Rules Engine

BizTalk Health and Activity Tracking

BizTalk Business Activity Services

BizTalk Business Activity Monitoring

BizTalk Human Workflow Services

Installing BizTalk Server

Understanding Software and Hardware Requirements

BizTalk Security Account and Group Requirements

Preparing the Server

Installing SQL Server

Preparing for Enterprise Single Sign On

Preparing for Sharepoint Portal Server

Preparing for Business Activity Services

Preparing for Business Activity Monitoring

Preparing for Human Workflow Services

Installing BizTalk Server

BizTalk Server Oracle Integration

Verifying the Installation

About Multiple Server Installations

Configuring BizTalk Server Hosts

What is a BizTalk Server Host?

About the Isolated Host

Creating Multiple Hosts

Hosts and Security

Co-Hosting

Trading Partner Integration

Overview of BizTalk Messaging Components

BizTalk Architecture

BizTalk Schemas

BizTalk Maps

BizTalk Physical Ports

BizTalk Receive Locations

BizTalk Adapters: HTTP, File, SMTP, etc.

BizTalk Pipelines

BizTalk Orchestrations

The Complete Messaging Lifecycle

Essential XML Concepts for BizTalk Professionals

XML Document Basics: Well-Formed and Valid XML Documents

Well Formed XML Documents

XML Document Validation with Schemas

BizTalk Schemas Explained

Presenting to the User: XSL Stylesheets

BizTalk Maps

Creating Schemas and Maps

Creating Schemas

Generating Schemas

Using Flat File Extensions

Importing Schemas from previous versions of BizTalk Server

Creating Maps

Functoids Overview

Using Common Functoids

About Custom Functoids

BizTalk Adapters

Adapter Overview

The File Adapter

The Http Adapter

BizTalk Server Adapter for Oracle

Other Adapters of Interest

Content Based Routing

What is Content Based Routing (CBR)?

Implementing Content Based Routing

Distinguished Fields versus Promoted Properties

Implementing Filters

A Complete Example

Pipelines

What is Pipeline?

Receive Pipelines

Send Pipelines

Creating a Custom Pipeline Component

Debugging Pipeline Components

Biztalk Process Integration

The Need for Orchestrations

About BizTalk Orchestrations

Connecting Logical Ports to Physical Ports

Using Web Services

What are Correlation Sets?

About Service Broker

About Notification Services

Orchestration Fundamentals

Business Activity Diagrams

The Visual Studio Designer

Building the Top Level Orchestration

Deploying and Debugging Orchestrations

Calling Other Orchestrations

Using Long Running and Short Lived Transactions

Using Business Rules

Using Web Services

XML Web Service Architecture

Creating a Web Service

Calling Web Services from BizTalk

Exposing an Orchestration as a Web Service

Configuration and Deployment: Preparatory Topics

Application Configuration

About Certificates and Keys

About the Global Assembly Cache (GAC)

Deploying a Strong Named Assembly to the GAC

Deployment Security Considerations

Performing a Deployment

BizTalk Artifacts: What gets Deployed and Where

Tools based BizTalk Deployment

Creating an MSI File

WMI based BizTalk Deployment

Business Rules Deployment

Deploying Web Services

Deploying HWS

Other Deployment Considerations

BizTalk Server Essential Administration Tasks

Creating an Administrator's Checklist

The Role of Health and Activity Tracking

Creating Essential Reports

Daily Maintenance Overview

Monitoring System Performance

Dealing with Suspended Messages

Administering BizTalk Related Products

Administering SQL Server

Administering ESSO

Administering Sharepoint Portal Server

Administering Business Activity Services

Administering Business Rules

Administering Human Workflow Services

Backup and Recovery

Windows Server 2003 Backup and Recovery

SQL Server Backup and Recovery

ESSO Backup and Recovery

Sharepoint Portal Server Backup and Recovery

Other Essential Backup and Recovery Considerations

Troubleshooting (Discussed Throughout the Course)

Installation

Schemas and Maps

Messaging

Orchestrations

Pipelines

Assemblies and Deployment

Web Services

Essential Production Notes