BizTalk Server 2016 Administrator Immersion

Course Summary

Description

There's much more to BizTalk Server administration than checking that the computer is powered on. Learning to install, configure, deploy, and manage a BizTalk Server environment can be difficult and time consuming. Become a more effective and confident BizTalk Server Administrator in just 5 days!

This course teaches everything a new BizTalk Server Administrator needs to know to "hit the ground running": installation and configuration, disaster recovery, tracking, troubleshooting, deployment, scripting, a variety of community tools, and, of course, best practices. If it concerns a BizTalk Server administrator, we cover it. All students work with their own multi-server BizTalk Server group.

If you're a Systems Administrator who deploys and manages BizTalk Server environments, or a Systems Engineer who designs and manages enterprise infrastructure, or even a BizTalk Developer who wants to see (and support) how the other half lives, this course will equip you with the skills and knowledge you need.

Attendees are expected to have hands-on experience managing a Windows-based network environment, but no prior BizTalk Server experience is required.

In this course, attendees will receive live instruction from one of our expert trainers, classroom demonstrations, challenging hands-on labs, and an electronic copy of the presentation materials and lab guide with hands-on activities.

Objectives

After taking this course, students will be able to:
- Set up new BizTalk Server groups
- Add new BizTalk Server computers to an existing BizTalk Server group
- Deploy BizTalk Server applications using MSIs
- Manage application configuration using binding files
- Securely manage passwords using ESSO Affiliate Applications
- Configure routing of messages using filter expressions
- Enable high-availability of BizTalk Server processes using hosts and host instances
- Deploy custom Business Activity Monitoring tracking solutions
- Enable EDI-based integration with trading partners
- Deploy, monitor, and manage Business Rule Engine policies
- Automate BizTalk Server management tasks using BTSTask and PowerShell scripts
- Configure BizTalk database log shipping
- Design disaster recovery plans
- Configure BizTalk receive ports and receive locations
- Configure BizTalk send ports and send port groups
- Enable message security using pipelines

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Course Summary (cont'd)

Topics

- BizTalk Server Overview
- Deploying BizTalk Applications
- Configuring BizTalk Applications
- Troubleshooting BizTalk Runtime Exceptions
- Setting up BizTalk Environments
- Creating Highly-Available BizTalk Environments
- Tracking BizTalk Server Activity
- Scripting Management Tasks

- Securing Passwords Using ESSO
- Business Activity Monitoring for Administrators
- Business Rules Engine for Administrators
- BizTalk Messaging Security
- Integrating Across Business Boundaries Using Parties, Roles, and EDI
- QuickLearn Notes from the Field
- Disaster Recovery Planning for BizTalk Server

Audience

This course is designed for Systems Administrators who deploy and manage a multi-server BizTalk Server environment and for Systems Engineers who design and manage a BizTalk enterprise infrastructure.

Prerequisites

Students should have hands-on experience managing a Windows-based network environment, but no prior BizTalk Server experience is required or expected.

Duration

Five days

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Course Outline

I.   BizTalk Server Overview
   A.   What Is BizTalk Server?
   B.   BizTalk Components and Capabilities
   C.   What's New in BizTalk Server?
   D.   BizTalk Server Tools and Tasks

II.   Deploying BizTalk Applications
   A.   Deployment Fundamentals
   B.   Deploying Assemblies
   C.   Working with Bindings Files
   D.   Deploying Using MSI Packages

III.   Configuring BizTalk Applications
   A.   Introduction to Message Routing
   B.   Configuring Message Routing
   C.   The Role of Adapters
   D.   Configuring Orchestrations

IV.   Troubleshooting BizTalk Runtime Exceptions
   A.   Troubleshooting Issues Using the Group Hub
   B.   Using BizTalk Health Monitor

V.   Setting up BizTalk Environments
   A.   Pre-Installation Tasks
   B.   Installing and Configuring BizTalk Server
   C.   Post Configuration Tasks
   D.   Additional Software

VI.   Creating Highly-Available BizTalk Environments
   A.   Concepts of Hosts and Host Instances
   B.   Managing BizTalk Hosts and Host Instances
   C.   Isolated Hosts and Web Services

VII.   Tracking BizTalk Server Activity
   A.   Enabling Tracking and Viewing Tracked Data
   B.   Using Binding Files to Manage Tracking Settings
   C.   How Does Tracking Really Work?
   D.   Implementing Data Analytics for Tracking Data

VIII.   Scripting Management Tasks
   A.   Scripting using BTSTask
   B.   Scripting using PowerShell

IX.   Securing Passwords Using ESSO
   A.   ESSO Fundamentals
   B.   Managing Credentials Using Affiliate Apps
   C.   Using ESSO for Custom Configuration

X.   Business Activity Monitoring for Administrators
   A.   BAM Fundamentals
   B.   Administration of BAM Components

XI.   Business Rules Engine for Administrators
   A.   BRE Fundamentals
   B.   BRE Administration Tasks

XII.   BizTalk Messaging Security
   A.   Certificate Fundamentals Review
   B.   Securing Messages Using Pipelines
   C.   Encrypting and Decrypting Messages
   D.   Applying and Verifying Digital Signatures

XIII.   Integrating Across Business Boundaries Using Parties, Roles, and EDI
   A.   Review of Port Binding Options
   B.   Role-Based Integration
   C.   What Is EDI?
   D.   Enabling EDI-Based Messaging

XIV.   QuickLearn Notes from the Field
   A.   Feature Pack 1
   B.   BizTalk Server Tools
   C.   External Monitoring and Management Tools
   D.   Practices of Highly Successful BizTalk Administrators

XV.   Disaster Recovery Planning for BizTalk Server
   A.   Disaster Recovery Planning Considerations
   B.   Recovering BizTalk Server Databases
   C.   Recovering the BizTalk Server Runtime
   D.   Recovering Enterprise Single Sign-On