



Course Outline

50371: Deploying and Managing Business Process and Integration Solutions Using Microsoft BizTalk Server 2009

Three days—Instructor-led

About this Course

This three-day instructor-led course provides students with the knowledge and skills to deploy and manage business processes and integration solutions using Microsoft BizTalk Server 2009. The course focuses on how to deploy and manage BizTalk applications in a production environment.

Audience Profile

This course is intended for architects, developers and administrators, who have basic windows administration skills.

At Course Completion

After completing this course, students will be able to:

- Describe SOA principles, interoperability and the role of BizTalk in your organization.
- Describe services and tools provided in BizTalk Server 2009.
- Install BizTalk Server 2009 in a computer and in a multi server environment.
- Install and configure SharePoint Services.
- Deploy and manage Adapter Pack.
- Deploy BizTalk applications to a BizTalk Server 2009 computer.
- Manage port settings and troubleshoot applications.
- Manage and monitor BizTalk applications on a BizTalk Server 2009 computer.
- Configure ports using advanced adapters like WCF-SQL, WCR, SharePoint and HTTP.
- Use Sing Sign-On to increase security.
- Create and deploy Business Rules.
- Create and deploy Business Activity Monitoring view.
- Manage BizTalk Server groups, instances and adapters.
- Backup and restore BizTalk Server 2009 computer.

Prerequisites

Before attending this course, students must have:

- Experience administering a Microsoft Windows Server.
- Experience administering Microsoft SQL Server.
- Familiarity with Microsoft .NET concept and technology.
- No prior BizTalk experience is necessary.



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Module 1: Introduction to BizTalk Server 2009

This module describes the common BizTalk 2009 tools and technologies, messaging architecture and tools provided to develop, manage and monitor BizTalk Server environment.

Lessons

- SOA principles, interoperability and the role of BizTalk Server in your Organization
- What is BizTalk Server 2009?
- What's new in BizTalk Server 2009?
- BizTalk tools environment

Lab : Exploring BizTalk Architecture and Applications

- Explore core components
- Preview of BizTalk Server Applications
- Testing a BizTalk Server Application

After completing this module, students will be able to:

- Describe messaging architecture and common scenarios of BizTalk Server.
- Describe components and tools used for BizTalk managing and monitoring.
- Describe tools for BizTalk application development.

Module 2: Installing and Configuring BizTalk Server 2009

This module explains how to plan and perform the installation of BizTalk Server, and then how to configure BizTalk Server for optimal use in a production environment. Also students will learn about LOB adapters and how to manage them.

Lessons

- Planning the installation of BizTalk Server
- Installing and configuring BizTalk Server
- Installing and configuring BizTalk Server in multi server environment
- Installing and configuring Adapter Pack 2.0

Lab : Installing and Configuring Microsoft Windows Share Point Services

- Installing Windows SharePoint Services
- Configuring SharePoint Services

Lab : Installing and Configuring BizTalk Server 2009

- Installing BizTalk Server 2009
- Configuring BizTalk Server 2009
- Installing and configuring Adapter Pack 2.0

After completing this module, students will be able to:





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- Plan a server environment, install prerequisite services.
- Install and configure BizTalk Server in a multi-server environment.
- Install and configure Adapter Pack.

Module 3: Deploying and Managing BizTalk Server Applications

This module describes how to manage, maintain and monitor a BizTalk Server Environment. Student will also learn how to deploy and manage BizTalk Server applications. The module also describes Single Sign-On usage.

Lessons

- Deploying BizTalk Server Applications
- Managing and monitoring BizTalk Server Applications
- Creating and managing send and receive ports, send groups and receive locations
- Using Single Sign-On in Applications

Lab : Deploying and Managing BizTalk Server Applications

- Deploying BizTalk Server Applications using MSI file
- Deploying BizTalk Server resource library using BTSTask.exe
- Creating receive ports, receive locations and send ports
- Binding an orchestration
- Starting and testing an application

Lab : Advanced Configuration

- HTTP Receive port configuration
- MSSQL Receive port configuration using WCF-SQL adapter
- SharePoint Send port configuration
- Use SSO features when configuring ports

After completing this module, students will be able to:

- Manage BizTalk services and Applications.
- Deploy Applications using MSI packages and BTSTask command line tool.
- Use monitoring tools for message activity tracking.
- Create and manage ports.
- Configure HTTP Receive port.
- Setup MSSQL polling in WCF-SQL Receive port.
- Configure SharePoint ports.
- Using SSO to increase security of BizTalk Server.

Module 4: Business Rules and Business Activity Monitoring

This module describes how to manage, maintain and monitor a BizTalk Environment. Student will also learn how to deploy and manage BizTalk Server Applications and Business Activity Monitoring modules.

Lessons

- Business rules
- Business Activity Monitoring (BAM)



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Lab : Composing and Deploying Business Rules

- Creating new Business Rules
- Deploying and testing new policy

Lab : Monitoring Business Activity

- Creating a BAM activity
- Creating a BAM view
- Deploying a BAM view
- Configuring BAM data collection
- Testing BAM

After completing this module, students will be able to:

- Create and deploy new Business Rules.
- Create and deploy Business Activity Monitoring view.

Module 5: Administering BizTalk Server Environment

This module explains how to administer BizTalk Server group, create and manage backups, configure Single Sign-On service, install and manage BizTalk Server Adapter Pack.

Lessons

- Managing BizTalk Server group, instances and hosts
- Backing up and restoring BizTalk Server

Lab : Managing BizTalk Server Group

- Managing Message Boxes
- Managing hosts and instances

Lab : Backing up and restoring BizTalk Server

- Backing up BizTalk Server
- Restoring BizTalk Server

After completing this module, students will be able to:

- Manage server operations for a BizTalk Server group.
- Backup and restore BizTalk Server environment.