

Deploying and Managing Business Process and Integration Solutions Using Microsoft BizTalk Server 2006

Course 2934: Two days; Instructor-Led

Prerequisites

Before attending this course, students must have:

- Experience administering a Microsoft Windows-based network environment.
- Experience installing and configuring Microsoft SQL Server.
- Experience with a scripting language such as Microsoft Visual Basic Scripting Edition or Microsoft JScript.
- Familiarity with Microsoft .NET concepts and technology.

No prior BizTalk experience is necessary.

Microsoft Certified Professional Exams

No Microsoft Certified Professional exams are associated with this course currently.

Course Materials

The student kit includes a comprehensive workbook and other necessary materials for this class.

Course Outline

Module 1: Introduction to BizTalk Server 2006

This module describes common BizTalk Server 2006 scenarios, the BizTalk messaging architecture, and the tools provided to develop, manage, and monitor a BizTalk Server environment.

Lessons

- What Is BizTalk Server 2006?
- What's New in BizTalk Server 2006?
- The BizTalk Tools Environment.

Lab A: Examining a BizTalk Application

- Testing a BizTalk Application.

After completing this module, students will be able to:

- Describe common BizTalk Server 2006 scenarios, the overall architecture and the function of the runtime services.
- Describe improvements and new features in BizTalk Server 2006.
- Describe the BizTalk production environment and the tools used to deploy and manage BizTalk applications.

Module 2: Installing BizTalk Server 2006

This module shows you how to plan and perform a BizTalk Server installation, and then how to configure BizTalk Server 2006 for optimal use in a production environment.

Lessons

- Planning a BizTalk Server Installation.
- Installing and Configuring BizTalk Server.

Lab A: Installing and Configuring Microsoft Windows SharePoint Services

- Installing Windows SharePoint Services.
- Configuring Windows SharePoint Services.

Lab A: Installing and Configuring BizTalk Server 2006

- Installing BizTalk Server 2006.
- Configuring BizTalk Server 2006.

After completing this module, students will be able to:

- Plan a server environment and install prerequisite services.
- Install and configure BizTalk Server on a computer.

Module 3: Deploying BizTalk Server Applications

This module shows you how to deploy applications to one or more computers using BizTalk Server in a production environment.

Lessons

- Introduction to Application Deployment.
- Deploying Assemblies by Using a Microsoft Installer (MSI) Package.
- Deploying Business Rules.

Lab A: Deploying Applications by Using an MSI Package

- Removing a BizTalk Application.
- Deploying a BizTalk Application from an MSI Package.
- Starting and Testing the BizTalk Application.

Lab B: Composing and Deploying Business Rules

- Creating a New Business Rule.
- Deploying and Testing the New Policy.

After completing this module, students will be able to:

- Describe the application deployment process.
- Deploy assemblies by using an MSI package.
- Create and deploy business rules.

Module 4: Managing BizTalk Server Applications

This module shows you how to manage, maintain, and monitor a BizTalk Server environment. Additionally, you will learn how to deploy and manage BizTalk applications using scripts.

Lessons

- Administering a BizTalk Application.
- Using Health and Activity Tracking (HAT).
- Scripting Administrative Tasks.
- Monitoring Business Activity.

Lab A: Administering a BizTalk Application

- Creating Receive Ports and Locations.
- Creating Send Ports.
- Binding the Orchestration.
- Starting and Testing the Application.

Lab B: Monitoring Message Activity and Debugging Orchestrations

- Tracking and Viewing Message Activity.

- Debugging Running Orchestration Instances.

Lab C: Scripting Administrative Tasks

- Stopping an Application Using a Script.
- Removing an Application Using a Script.
- Deploying an Application Using a Script.
- Starting an Application Using a Script.

Lab D: Monitoring Business Activity

- Creating a BAM Activity.
- Creating a BAM View.
- Deploying a BAM View.
- Configuring BAM Data Collection.
- Testing BAM Data Collection.

After completing this module, students will be able to:

- Manage BizTalk services and start and stop BizTalk applications.
- Use HAT to monitor message activity and debug orchestrations.
- Use scripts to deploy and manage BizTalk applications.
- Monitor Business Activity by using Business Activity Monitoring (BAM).

Module 5: Administering a BizTalk Server Environment

This module shows you how to administer a BizTalk Server group and manage backup operations for a BizTalk Server environment.

Lessons

- Managing a BizTalk Server Group.
- Backing Up and Restoring BizTalk Server.

Lab A: Managing a BizTalk Server Group

- Managing Global Adapter Properties.
- Adding MessageBox Databases.
- Adding Hosts.
- Adding Host Instances.

Lab B: Backing Up and Restoring a BizTalk Server

- Backing Up a BizTalk Server.
- Restoring a BizTalk Server.

After completing this module, students will be able to:

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