

## Course 6445A:

### Implementing and Administering Windows Small Business Server 2008

Length:	5 Day(s)
Published:	December 09, 2008
Language(s):	English
Audience(s):	IT Professionals
Level:	300
Technology:	Windows Small Business Server 2008
Type:	Course
Delivery Method:	Instructor-led (classroom)

**About this Course** This five-day instructor-led course provides students with the knowledge and skills to plan, implement, and manage Windows Small Business Server 2008.

**Audience Profile** This course is intended for technology consultants, system integrators, and in-house technology staff that serve small and medium-sized businesses.

#### At Course Completion

After completing this course, students will be able to:

- Install Microsoft Windows Small Business Server 2008.
- Migrate to Microsoft Windows Small Business Server 2008.
- Configure Windows Small Business Server 2008 using the Windows Small Business Server 2008 Console.
- Manage users and groups in Windows Small Business Server 2008.
- Manage messaging and collaboration in Windows Small Business Server 2008.
- Manage and monitor Windows Small Business Server 2008.
- Secure a Windows Small Business Server 2008 network.
- Expand a Windows Small Business Server 2008 network.

#### Course Outline Module 1: Plan and Design a Technology Solution for a Small

**Business** This module explains about the key new features of Small Business Server 2008 and how to create an IT roadmap for the small business using the Business and Technology Assessment Toolkit.

##### Lessons

- Introduction to Microsoft Windows Small Business Server 2008
- Conducting a Business Assessment
- Conducting a Technical Assessment

#### Lab : Perform a Business and Technology Assessment

- Exercise 1: Install and configure the Business and Technology Assessment Toolkit
- Exercise 2: Create custom templates

After completing this module, students will be able to:

- Describe small business technology challenges.
- Describe what makes Microsoft Windows Small Business Server 2008 an ideal integrated solution.
- Differentiate between the Microsoft Windows Small Business Server Standard and Premium versions.

- Install the Microsoft Business and Technology Assessment Toolkit (BTAT).
- Complete the BTAT business assessment templates.
- Configure options and updates for the BTAT.
- Manage a BTAT business assessment template.
- Describe the technology assessment, desktop deployment, and mobile readiness templates contained in the Microsoft BTAT.
- Create a custom BTAT technology template.
- Identify the best Microsoft technology solution.

**Module 2: Installing Microsoft Windows Small Business Server 2008** This module explains how to prepare the server for networking, install Microsoft Windows Small Business Server 2008 and configure the Internet connection. **Lessons**

- Networking Basics
- Preparing the Hardware for Installation
- Installing Microsoft Windows Small Business Server 2008
- Completing the Installation

**Lab : Install Microsoft Windows Small Business Server 2008**

- Exercise 1: Completing the Installation Worksheet
- Exercise 2: Perform the Installation Using the Answer File
- Exercise 3: Completing the Small Business Server Setup

After completing this module, students will be able to:

- Establish the background information needed to understand basic networking concepts.
- Provide groundwork for the Microsoft Windows Small Business Server 2008 installation, covering networking terminology and methodologies.
- Describe the Microsoft Windows Small Business Server 2008 minimum hardware requirements.
- Describe the key tasks required to prepare the server hardware for the Windows Small Business Server 2008 operating system installation.
- Describe the process of the operating system installation.
- Administer initial administrative tasks in the Microsoft Windows Small Business Server 2008 console and connect the server to the Internet.

**Module 3: Managing a Microsoft Windows Small Business Server Environment** This module explains how to manage the Windows Small Business Server 2008 environment using the Windows SBS Console, how to manage Users and Groups, and how to configure user accounts. **Lessons**

- Managing with the Windows Small business Server (SBS) Console
- Managing a User Account
- Modifying User Account Properties in the SBS Console
- Managing User Roles in the Windows Small Business Server 2008 Console
- Managing Groups in the Windows Small Business Server 2008 Console

**Lab : Manage Users and Groups in the Windows Small Business Server 2008 Console**

After completing this module, students will be able to:

- Describe the Windows SBS Console.
- Administer Windows Small Business Server 2008 using the task-based GUI in the Windows SBS Console.

- Create and manage user accounts in Microsoft Windows Small Business Server 2008.
- Administer specific user account properties.
- Configure access permissions and disk quota management.
- Describe user roles.
- Standardize common user properties using roles.
- Create and manage groups in Windows Small Business Server 2008.
- Describe group types and scopes.

**Module 4: Manage and Configure Messaging** This module explains how to manage user messaging, mobile device, Outlook and other settings using the Windows Small Business Server 2008 console and Exchange Management console. Students will learn to implement e-mail protection from spam and viruses. **Lessons**

- Configuring Internet Mail using Microsoft Windows Small Business Server 2008 Console
- Configuring E-mail Protection
- Configuring Connectors and Clients
- Monitoring Messaging
- Managing OWA using the Windows Small Business Server 2008 Console

#### **Lab : Configuring and Monitoring Messaging**

- Exercise 1: Configuring the POP3 Connector
- Exercise 2: Configure Exchange Server Anti-spam Filters
- Exercise 3: Configure Microsoft Forefront Security for Exchange Server

After completing this module, students will be able to:

- Configure e-mail protocols using the Windows Small Business Server 2008 console.
- Configure the appropriate DNS routing records.
- Configure e-mail forwarding to specific recipients.
- Configure e-mail protection using the Exchange Server.
- Configure e-mail protection using Forefront Security Server for Exchange.
- Configure additional send and receive connectors in Exchange Server 2007 using the Exchange Management console.
- Configure mobile devices.
- Describe troubleshooting messaging issues.
- Identify tracking messages.
- Describe mailbox statistics.
- Configure OWA in Microsoft Windows Small Business Server 2008.

**Module 5: Manage and Configure Collaboration** This module explains how to manage the intranet site, create new SharePoint sites, install Web applications and modify and manage site settings. **Lessons**

- Managing the Internal Web Site
- Creating and Configuring a New SharePoint Site
- Administering a Windows SharePoint
- Windows SharePoint Customization

#### **Lab : Creating and Customizing a SharePoint Site**

- Exercise 1: Manage SharePoint access through the SBS Console
- Exercise 2: Create and configure a new SharePoint site

- Exercise 3: Install preconfigured application templates

After completing this module, students will be able to:

- Manage the preconfigured intranet site using administrative tasks in the Windows SBS 2008 console.
- Describe Windows SharePoint Services groups, user roles and permissions.
- Create a new SharePoint site using the central administration site.
- Configure and manage access to the SharePoint site.
- Administer the SharePoint site using central administration tasks.
- Customize the Windows SharePoint site using a Microsoft application template.

**Module 6: Add Client Computers and Devices to the Network** This module explains how to add client computers, printers and faxes to the Small Business Server 2008 network. **Lessons**

- Deploying Client Computers
- Managing Client Computers
- Adding and Managing Shared Printers
- Adding and Managing a Fax Device

#### **Lab : Deploying Clients on the Windows Small Business Server 2008 Network**

- Exercise 1: Adding a Client Computer to the Small Business Server Network
- Exercise 2: Configure the Fax Service
- Exercise 3: Configure the Microsoft Office Outlook Client
- Exercise 4: Manage the Client Computer from the SBS Console
- Exercise 5: Configure Folder Redirection
- Exercise 6: Adding a Shared Printer to the Network

After completing this module, students will be able to:

- Describe joining a client computer to the Windows Microsoft Windows Small Business Server 2008 network.
- Administer access to a client PC on the Windows Microsoft Windows Small Business Server 2008 network.
- Describe performing the most commonly used administrative tasks for a client PC.
- Install a shared printer on the Microsoft Windows Small Business Server 2008 network.
- Configure a shared printer on the Microsoft Windows Small Business Server 2008 network.
- Install a fax device on the Microsoft Windows Small Business Server 2008 network.

**Module 7: Manage and Configure Remote Access** This module explains how to manage the commonly used tasks for establishing remote access to the Microsoft Windows Small Business Server 2008 network and its resources. **Lessons**

- Managing Certificates
- Managing a Virtual Private Network
- Managing the Server Firewall
- Managing Remote Web Workplace

#### **Lab : Configuring the Server for Remote Access**

- Exercise 1: Manage and Install the Self-issued Certificate

- Exercise 2: Configure a Virtual Private Network (VPN)
- Exercise 3: Administer the Windows Firewall with Advanced Security
- Exercise 4: Customize Remote Web Workplace

After completing this module, students will be able to:

- Describe how certificates work.
- Describe installing a self-signed certificate on the Windows Small Business Server 2008 server and client computer.
- Describe installing a self-signed certificate on a mobile device.
- Configure a virtual private network for users to access network resources from a remote computer.
- Administer the Windows Server Firewall.
- Configure ports for services and applications.
- Administer Remote Web Workplace.
- Configure user access to network resources using a Web browser.

**Module 8: Manage and Configure Security** This module explains the key security tasks and security best practice for managing the Windows Small Business Server 2008 environment. **Lessons**

- Best Practice for Securing the Microsoft Windows Small Business Server 2008 Environment
- Windows Server Update Services (WSUS)
- Microsoft Windows Small Business Server 2008 Best Practices Analyzer (SBS 2008 BPA)
- Creating and Managing Shared Folders on the Network
- Configuring Windows Firewall with Advanced Security

**Lab : Securing the Windows Small Business Server using Best Practices**

- Exercise 1: Configure Distribution of Updates and Hotfixes Using Microsoft Windows Server Update Services (WSUS)
- Exercise 2: Create a Shared Folder
- Exercise 3: Design an isolation policy
- Exercise 4: Configure Windows Firewall Settings

After completing this module, students will be able to:

- Plan in-depth security for the Windows Small Business Server 2008 network.
- Configure distribution of updates and hotfixes for servers and computers on the Microsoft Windows Small Business Server 2008 network.
- Describe the key features of the Windows Small Business Server 2008 Best Practices Analyzer 2008.
- Configure a shared folder controlling user access permissions.
- Configure blocking unwanted content in the shared folder.
- Configure Windows Firewall with Advanced Security settings and rules for network security.

**Module 9: Manage Data Folders and Backup** This module explains how to manage server storage using administrative tasks in the Windows Small Business Server 2008 console. Students learn to plan and prepare for disasters and data recovery, and configure and administer backups. **Lessons**

- Moving Data Folders on the Microsoft Windows Small Business Server 2008 Network
- Disaster Recovery Planning

- Managing Server Backups
- Protecting Individual Server Applications
- Managing Server Recovery

#### **Lab : Configure Backups and Administer Application Data**

- Exercise 1: Manage Server Storage by Moving Data Folders
- Exercise 2: Configure Backup Media and Schedule
- Exercise 3: Design a Disaster Recovery Plan
- Exercise 4: Perform a Block Level Restore

After completing this module, students will be able to:

- Manage server storage by moving databases and data folders.
- Create a disaster recovery plan.
- Identify risks.
- Describe business continuity considerations.
- Implement Disaster Recovery strategies.
- Describe testing and reviewing a Disaster Recovery plan.
- Configure protection of the operating system and application data using the Microsoft Windows Small Business Server 2008 backup wizard.
- Configure backup media and schedule.
- Configure protection of individual server applications using standard tools.
- Describe business critical data and prioritizing data sets for backup.
- Recover a failed Windows Small Business Server 2008 server.

**Module 10: Monitoring and Maintaining System and Services Availability** This module explains how to maintain the Windows Small Business Server 2008 using native maintenance and reporting tools and utilities.**Lessons**

- Managing Reports
- Using Microsoft Windows Reliability and Performance Monitor
- Configure Disk Management
- Manage Shadow Copies of Shared Folders

#### **Lab : Monitoring and Maintaining System Availability**

- Exercise 1: Configure Microsoft Windows Small Business Server (SBS) Reporting
- Exercise 2: Monitor System Performance in Real Time
- Exercise 3: Create a Data Collector Set
- Exercise 4: Create a mirrored volume using disk management
- Exercise 5: Extend a disk using disk management

After completing this module, students will be able to:

- Describe Microsoft Windows Small Business Server 2008 reporting.
- Administer monitoring and reporting in SBS.
- Describe the ability of Microsoft Windows Reliability and Performance monitor to examine how programs affect your computer's performance.
- Describe monitoring system performance in real time and by collecting log data for later analysis.
- Configure hard disks, volumes and partitions in Windows Small Business Server 2008 using the disk management utility.
- Perform most disk-related tasks without restarting the system.
- Create and manage point-in-time copies of files that are located in shared resources.

- Describe how to recover previous versions of files.

**Module 11: Migrating from Microsoft Windows Small Business Server 2003**This module explains how to migrate from Windows Small Business Server 2003 and Windows Server 2003 to Microsoft Windows Small Business Server 2008. **Lessons**

- Preparing the Network for Migration
- Performing the Installation
- Performing the Migration

**Lab : Migrating from Microsoft Windows Small Business Server 2003 to Microsoft Windows Small Business Server 2008**

- Exercise 1: Prepare the Source Server for Migration
- Exercise 2: Install Windows Small Business Server 2008 in Migration Mode
- Exercise 3: Configure the Network
- Exercise 4: Migrate Data and Settings
- Exercise 5: Demote and Remove the Source Server from the Network

After completing this module, students will be able to:

- Prepare the source server.
- Back up the source server.
- Verify network connection.
- Raise the functional level in Active Directory.
- Evaluate server health.
- Install service packs.
- Plan LOB application migration.
- Apply the Migration Preparation Tool.
- Review the File Migration Wizard.
- Create a migration answer file.
- Collect information.
- Run the answer file generator.
- Copy the answer file to the target server.
- Install Microsoft Windows Small Business Server 2008 in migration mode.
- Migrate settings and data.
- Run the migration wizard.
- Demote the source server.
- Troubleshoot migration issues.

**Module 12: Managing Comprehensive Line-of-business Products**This module explains how to integrate comprehensive line-of-business applications with the existing IT infrastructure. **Lessons**

- Implementing Security for Business with Microsoft Forefront for Exchange Server
- Real-time Protection from Unwanted Software with Windows Live OneCare
- Integrating with Office Live for Small Business

After completing this module, students will be able to:

- Describe Forefront comprehensive security portfolio.
- Describe Forefront Client Security.
- Describe Forefront Security for Exchange.
- Describe Intelligent Application Gateway.
- Provide a comprehensive product line that protects information.

- Describe Windows Live One Care for Server.
- Describe real-time integrated anti-malware protection.
- Describe Office Live Workspaces.
- Describe Office Live public facing Web site.

**Module 13: Deploying Additional Servers** This module explains how to expand the Windows Small Business Server 2008 network and configure server roles and applications, including premium applications on the additional Windows Servers. **Lessons**

- Installing Windows Server 2008
- Configuring Server Roles
- Installing a Premium Application
- Administering Terminal Services
- Introduction to Windows Server Virtualization

#### **Lab : Joining an Additional Server to the Network**

- Exercise 1: Join an Additional Server to the Windows Microsoft Small Business Server (SBS) Network and Configure the Terminal Services (TS) Server Role to Share Applications
- Exercise 2: Configure Client Access to Shared Applications

After completing this module, students will be able to:

- Install and configure Windows Server 2008 on the SBS 2008 network.
- Identify improvements in Windows Server 2008.
- Perform initial configuration tasks.
- Identify supported server roles in SBS 2008.
- Describe server management options.
- Install SQL Server on a second server in the Windows Small Business Server 2008 network.
- Manage SQL Server on the Windows Small Business Server 2008 network.
- Configure Terminal Services for remote access to shared applications.
- Configure a Web access point.
- Configure a virtualized server computing environment.
- Improve efficiency of your computing resources.
- Describe licensing options in Windows Small Business Server 2008.
- Manage licenses in Windows Small Business Server 2008.

**Module 14: Advanced Topics and Troubleshooting** This module explains how to use native Windows tools and utilities to configure technologies that help protect the computer from unwanted traffic, and administer and troubleshoot the Windows Server 2008 from the command line. **Lessons**

- Microsoft Windows Small Business Server 2008 Management Console (Advanced Mode)
- Managing Windows Small Business Server Applications
- Introduction to Windows PowerShell
- Administering IIS 7.0
- Troubleshooting DNS in Windows Server 2008
- Troubleshooting Windows Server 2008 Terminal Services

#### **Lab : Working with Windows Tools and Utilities**

- Exercise 1: Managing with the Microsoft Windows Small Business Server (SBS) Console (Advanced Mode)

- Exercise 2: Perform system administration tasks using Windows PowerShell
- Exercise 3: Perform network task using Windows PowerShell
- Exercise 4: Backup and restore IIS 7

After completing this module, students will be able to:

- Describe the key difference in the Advanced Mode Windows Small Business Server 2008 console.
- Administer Windows Small Business Server 2008 using the Advance Mode SBS console.
- Administer the Windows Small Business Server 2008 Console.
- Administer SBS 2008 Server Applications.
- Describe the key features of Windows PowerShell.
- Administer the Windows Small Business Server 2008 network using Windows PowerShell commands.
- Describe moving data in SBS 2008 using PowerShell.
- Describe IIS 7.0 and its role.
- Perform common administrative tasks for administering IIS 7.0.
- Troubleshooting DNS.
- Troubleshooting TS Gateway

**Module 15: Manage the Windows Small Business Server 2008 Environment using Group Policy** This module explains how to implement specific configurations for users and computers using Group Policy settings. **Lessons**

- Administering the Windows Small Business Server 2008 Network using Group Policy
- Managing Group Policies in the GPMC
- Auditing Security Events
- Deploying Software using Group Policy Management
- Troubleshooting Group Policy in Windows Server 2008

#### **Lab : Manage Group Policies**

- Exercise 1: Tracking security events
- Exercise 2: Creating and managing GPOs
- Exercise 3: Modify account policies
- Exercise 4: Deploy software using GPOs

After completing this module, students will be able to:

- Administer Group Policies in a Windows Small Business Server 2008 environment.
- Configure Group Policies using the GPMC.
- Configure object auditing using Group Policy.
- Configure software applications for deployment using Group Policy.
- Troubleshooting GPOs.

In addition to their professional experience, students who attend this training should have technical knowledge and skills equivalent to the following courses:

- Course 6420: Fundamentals of a Windows Sever 2008 Network and Applications Infrastructure
- Course 6424: Fundamentals of Windows Server 2008 Active Directory

- Course 5115: Installing and Configuring the Windows Vista Operating System
- Course 5116: Configuring Windows Vista Mobile Computing and Applications