



Preliminary Course Syllabus

Designing, Deploying, and Managing a Network Solution for the Small and Medium-sized Business

Elements of this syllabus are subject to change.

The goal of this three-day course is to provide students with the skills and knowledge necessary to select, deploy, and manage a Microsoft networking solution for small and medium-sized businesses.

Key Data

Course #: 2395

Number of Days: 3

Format: Instructor-led

Certification Exams: 70-282

This course helps you prepare for the following Microsoft Certified Professional exams:

70-282: *Designing, Deploying, and Managing a Network Solution for the Small and Medium-sized Business*

Certification Track: MCSE

Use this course syllabus to determine whether the course is appropriate for the students, based on their current skills and technical training needs.

Course content, prices, and availability are subject to change without notice.

Audience

Candidates for this course are IT professionals who work for and with small and medium-sized businesses. These professionals include product resellers, service providers, in-house technology experts, self-employed business proprietors who design, deploy, and manage their own network solutions, and owners or employees of Original Equipment Manufacturers (OEMs) and system builders.

At Course Completion:

After completing this course, students will be able to:

- Design a networking solution for a small or medium-sized business, based on a given scenario.
- Install or upgrade to Microsoft® Windows® Small Business Server 2003.
- Configure Windows Small Business Server 2003 by completing the tasks on the To Do List.
- Manage messaging and collaboration in Windows Small Business Server 2003.
- Manage and monitor Windows Small Business Server 2003.
- Install or upgrade to Microsoft Windows Server™ 2003, Standard Edition.
- Configure Windows Server 2003, Standard Edition.
- Secure a Windows Server 2003, Standard Edition network.
- Manage Windows Server 2003, Standard Edition.
- Expand a Windows Small Business Server 2003 network.

Prerequisites

Before attending this course, students must have a working knowledge of:

- Sharing folders.
- Stopping and starting services.
- Working with the Microsoft Management Console (MMC).
- Creating and managing user accounts.
- Assigning permissions.
- The purpose and some of the implementations of Transmission Control Protocol/Internet Protocol (TCP/IP) services such as Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP) (although students will not need to know how to implement these services in a Microsoft .Windows Server 2003 environment).
- Working knowledge of Active Directory directory service®.
- Working knowledge of Group Policy Objects (GPOs).

In addition, students should have the following certifications:

- A+
- Net+

Student Materials

For a referral to a Microsoft Certified Technical Education Center in your area, see the Microsoft Training and Certification Web site at <http://www.microsoft.com/traincert>. Call your local Microsoft Certified Technical Education Center for more information and to register for classes.

Course Outline • Designing, Deploying, and Managing a Network Solution for the Small and Medium-sized Business

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

Module 1: Designing a Business Network Solution

This module describes the requirements for designing a network solution for a small or medium-sized business.

Lessons
<ul style="list-style-type: none">▪ Multimedia: Overview of a Windows Small Business Server Network▪ Performing a Needs Assessment▪ Selecting a Network Solution▪ Developing an Implementation Plan
Practices
<ul style="list-style-type: none">▪ Discussion: Performing a Needs Assessment▪ Discussion: Selecting a Windows Network Solution▪ Discussion: Developing an Implementation Plan

After completing this module, students will be able to:

- Describe the features and functions of a Windows Small Business Server network.
- Perform a needs assessment.
- Identify and select an appropriate network solution.
- Develop an implementation plan.

Module 2: Installing and Upgrading to Windows Small Business Server 2003

This module provides you with the knowledge and skills necessary to install and upgrade to Windows Small Business Server 2003.

Lessons
<ul style="list-style-type: none">▪ Installing Windows Small Business Server 2003▪ Upgrading to Windows Small Business Server 2003▪ Securing Windows Small Business Server 2003
Practices
<ul style="list-style-type: none">▪ Multimedia Practice: Installing Windows Small Business Server 2003, Standard Edition▪ Securing Windows Small Business Server

After completing this module, students will be able to:

- Install Windows Small Business Server 2003.
- Upgrade to Windows Small Business Server 2003.
- Secure Windows Small Business Server 2003.

Module 3: Configuring Small Business Server 2003 by Completing the To Do List

This module explains how to perform the tasks on the To Do List to complete Windows Small Business Server 2003 Setup.

Lessons

Course Outline • Designing, Deploying, and Managing a Network Solution for the Small and Medium-sized Business

- Overview of the To Do List
- Connecting to the Internet
- Configuring Remote Access
- Activating Your Server and Adding Client Licenses
- Adding a Printer and Configuring a Fax
- Adding Users and Computers

Practices

- Completing the Connect to the Internet Task
- Configuring Small Business Server for Remote Access
- Adding a Printer and Configuring a Fax
- Completing the Add Users and Computers Task

After completing this module, students will be able to:

- Describe the tasks on the To Do List.
- Configure a computer running Windows Small Business Server to connect to the Internet.
- Configure a computer running Windows Small Business Server for remote access.
- Activate a server and add new client access licenses for each client that accesses Windows Small Business Server 2003.
- Add a printer to connect to one or more shared printers, and configure Shared Fax Service to send and receive faxes.
- Add users and configure their client computers by using the Add User Wizard.

Module 4: Managing Messaging and Collaboration in Small Business Server 2003

This module discusses how to access internal and external e-mail messages. This module also discusses how to collaborate with other users by using Microsoft Windows® SharePoint™ Services.

Lessons

- Managing Messaging in Windows Small Business Server 2003
- Configuring Outlook Web Access
- Configuring Windows SharePoint Services

Practices

- Adding a Public Folder Using Microsoft Outlook® 2003
- Accessing Exchange by Using Outlook Web Access
- Configuring and Customizing SharePoint Services

After completing this module, students will be able to:

- Manage messaging in Windows Small Business Server 2003.
- Configure Outlook Web Access (OWA).
- Configure Windows SharePoint Services.

Module 5: Managing and Monitoring Windows Small Business Server 2003

This module discusses how to manage, monitor, and troubleshoot a Windows Small Business Server network.

Lessons

- Managing Client Computers
- Managing Users and Groups
- Managing Remote Web Workplace
- Configuring Monitoring and Alerts
- Protecting Against Data Loss
- Identifying Troubleshooting Tools

Course Outline • Designing, Deploying, and Managing a Network Solution for the Small and Medium-sized Business

Practices
<ul style="list-style-type: none">▪ Setting Up a Client Computer and Assigning an Application▪ Modifying and Reapplying a User Template▪ Managing Remote Web Workplace▪ Configuring Monitoring and Alerts▪ Configuring Backup▪ Troubleshooting Network Problems by Using Network Diagnostics

After completing this module, students will be able to:

- Manage client computers.
- Manage users and groups.
- Manage the Remote Web Workplace.
- Configure monitoring and alerts by using the To Do List.
- Protect against data loss.
- Identify troubleshooting tools.

Module 6: Installing or Upgrading to Windows Server 2003, Standard Edition

This module explains the procedures for installing Windows Server 2003, Standard Edition, completing the installation process by performing initial configuration tasks, and upgrading from Microsoft Windows 2000 to Windows Server 2003, Standard Edition.

Lessons
<ul style="list-style-type: none">▪ Installing Windows Server 2003, Standard Edition▪ Upgrading to Windows Server 2003, Standard Edition
Practices
<ul style="list-style-type: none">▪ Multimedia Practice: Installing Windows Server 2003, Standard Edition

After completing this module, students will be able to:

- Install Windows Server 2003, Standard Edition.
- Upgrade from Windows 2000 to Windows Server 2003, Standard Edition.

Module 7: Configuring Windows Server 2003, Standard Edition

This module discusses how Windows Server 2003, Standard Edition provides options that you can use to customize the Windows 2003 environment and ensure that the server operates correctly. Understanding the available options and how to configure them will help you configure a Windows Server 2003 environment that meets the requirements of your organization.

Lessons
<ul style="list-style-type: none">▪ Configuring File and Print Servers▪ Promoting a Windows Server 2003, Standard Edition to a Domain Controller▪ Creating and Configuring User Accounts, Groups, and Computer Accounts▪ Installing and Configuring the POP3 Service and the SMTP Service
Practices
<ul style="list-style-type: none">▪ Configuring a File Server and a Print Server▪ Promoting a Windows Server 2003, Standard Edition to a Domain Controller▪ Creating and Configuring User Accounts, Groups, and Computer Accounts▪ Installing and Configuring the POP3 Service and the SMTP Service

After completing this module, students will be able to:

- Configure a file server for indexing, and add and share a network printer.
- Promote a Windows Server 2003, Standard Edition server to a domain controller.
- Create and configure user accounts, groups, and computer accounts.

Course Outline • Designing, Deploying, and Managing a Network Solution for the Small and Medium-sized Business

- Identify the role of organizational units.
- Install and configure the Post Office Protocol 3 (POP3) Service and the Simple Mail Transfer Protocol (SMTP) Service.

Module 8: Securing a Windows Server 2003, Standard Edition Network

This module explains how to secure Windows Server 2003, Standard Edition by configuring and securing the server for Internet access, securing file, folder, and printer objects, and securing the server from viruses.

Lessons
<ul style="list-style-type: none">▪ Configuring Internet Access by Using NAT▪ Multimedia: Overview of Remote Access▪ Configuring a VPN Connection▪ Securing Internet Access▪ Multimedia: Overview of IPSec▪ Issues to Consider When Securing File, Folder, and Printer Objects▪ Providing Virus Protection
Practices
<ul style="list-style-type: none">▪ Configuring a VPN Connection▪ Configuring Basic Firewall by Using Routing and Remote Access Service▪ Securing File, Folder, and Printer Objects by Using Permissions

After completing this module, students will be able to:

- Configure Windows Server 2003, Standard Edition for Internet access by using Network Address Translation (NAT).
- Configure a virtual private network (VPN) connection.
- Secure Internet access by using various firewall technologies.
- Explain important issues to consider when securing file, folder, and printer objects.
- Explain how to secure Windows Server 2003, Standard Edition from viruses.

Module 9: Managing Windows Server 2003, Standard Edition

This module explains how to manage Windows Server 2003, Standard Edition by delegating administration, managing user environments with GPOs, monitoring server and client computer performance, performing management tasks from a remote location, protecting against data loss, and identifying troubleshooting tools that can assist you in resolving potential problems.

Lessons
<ul style="list-style-type: none">▪ Delegating Administration▪ Managing User Environments with Group Policy Objects▪ Monitoring Server and Client Computer Performance▪ Managing Windows Server 2003, Standard Edition from a Remote Location▪ Protecting Against Data Loss
Practices
<ul style="list-style-type: none">▪ Delegating Administration Tasks▪ Creating and Configuring Group Policy Objects▪ Configuring Performance Monitor▪ Remotely Managing Windows Server 2003, Standard Edition▪ Backing up and Restoring Data

After completing this module, students will be able to:

- Delegate administration of Windows Server 2003, Standard Edition.
- Manage client user environments with GPOs.

Course Outline • Designing, Deploying, and Managing a Network Solution for the Small and Medium-sized Business

- Monitor server and client computer performance.
- Remotely manage Windows Server 2003, Standard Edition.
- Protect against data loss.

© 2003 Microsoft Corporation. All rights reserved.

Some elements of this course syllabus are subject to change. This syllabus is for informational purposes only. MICROSOFT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, IN THIS SUMMARY. Microsoft, Active Directory, Outlook, SharePoint, Windows, and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Other product and company names mentioned herein may be the trademarks of their respective owners.