

# 2597-Planning and Deploying Microsoft Systems Management Server 2003

## Introduction

This three-day instructor-led intensive course provides the knowledge and skills necessary for SMS specialists to plan and deploy Microsoft Systems Management Server 2003 into large enterprise environments.

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## Audience

This course is intended for systems engineers with one to three years of experience supporting multiple desktop and server computers running Microsoft Windows® in medium to large enterprise organizations, and who have a need to plan an SMS deployment.

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## At Course Completion

After completing this course, students will be able to:

- Analyze business requirements for SMS
- Create and evaluate an SMS deployment plan
- Plan an SMS site hierarchy
- Install the Site hierarchy
- Configure a site system
- Discover SMS resources
- Install SMS clients
- Configure SMS site hierarchies
- Secure an SMS site
- Create a management and operations plan

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## Prerequisites

Before attending this course, students must have:

- Completed [Course 2596](#), Managing Microsoft Systems Management Server 2003, or have equivalent knowledge
- Completed [Course 2279](#), Planning, Implementing, and Maintaining a Microsoft Windows Server™ 2003 Active Directory® Infrastructure, or have equivalent knowledge

System engineers should also have strong working knowledge of:

- IP addressing. This is covered in [Course 2151](#), Microsoft Windows 2000 Network and Operating System Essentials.
- Windows 2003 core technologies. This is covered in [Course 2273](#), Managing and Maintaining a Microsoft Windows Server 2003 Environment.
- Windows 2003 networking technologies and implementation. This is covered in [Course 2277](#), Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network

Infrastructure: Network Services.

- Windows 2003 directory services technologies and implementation. This is covered in [Course 2279](#), Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure.

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## Microsoft Certified Professional Exams

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

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## Course Materials

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

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## Course Outline

### Module 1: Preparing for Systems Management Server 2003

In this module, you will learn how to describe a business case for installing Microsoft Systems Management Server (SMS) 2003 in your organization. In order to create this business case, you will learn the steps involved in the SMS planning and deployment process.

You will begin by analyzing your current environment before planning the deployment.

#### Lessons

- Describing the Business Case for SMS 2003
- Describing the Key Elements of the SMS Planning and Deployment Process
- Analyzing Your Current Environment
- Discussion: Preparing for SMS 2003

#### Practices

- Analyzing Your Current Environment

After completing this module, students will be able to:

- Describe the business case for SMS.
- Describe the SMS planning and deployment process.
- Describe Phase One of the SMS planning and deployment process - Analyze your current environments.

### Module 2: Designing the SMS 2003 Hierarchy

In this module, you will design a Microsoft Systems Management Server (SMS) 2003 hierarchy. You will learn how to plan site boundaries and site communications as well as determine server capacity. You will also explore network and infrastructure security issues and best practices.

#### Lessons

- Designing the SMS Site Hierarchy
- Planning Site Boundaries and Roaming Boundaries
- Determining SMS Component Server Capacity

#### Practices

- Identifying Products in the Windows Server System

After completing this module, students will be able to:

- Design the SMS site hierarchy.
- Plan site boundaries and roaming boundaries.
- Determine SMS component server capacity.
- Plan network and infrastructure security for SMS 2003.

### **Module 3: Planning for Systems Management Server 2003 Deployment**

In this module, you will learn how to plan for Microsoft Systems Management Server (SMS) 2003 deployment. You will explore how to plan client installation, site deployment, site configuration, and a site system. You will also learn how to configure the SMS security environment. You will use various job aids as you plan the deployment. Finally, you will complete the module by creating an SMS Deployment Plan.

#### **Lessons**

- Planning Client Installation
- Planning Site Deployment
- Planning Site Configuration
- Planning Site Systems
- Planning the Configuration of the SMS Security Infrastructure
- Planning Network and Infrastructure Security for SMS
- Developing the SMS Deployment Plan
- Discussion: Planning for SMS 2003 Site Deployment

#### **Practices**

- Planning Client Installation
- Planning Site Deployment
- Planning Site Configuration
- Planning the Site System

After completing this module, students will be able to:

- Identify the considerations for planning client installation.
- Describe the considerations of site deployment planning.
- Discuss the factors for planning site configuration.
- Describe the overall factors of planning the site systems.

### **Module 4: Deploying Microsoft Systems Management Server 2003**

Using the information from the planning phase, you will practice deploying Microsoft Systems Management Server (SMS) 2003. You will apply the planning decisions made for Northwind Traders in previous modules.

#### **Lessons**

- Configuring the Environment Before Deployment
- Installing the SMS Primary Site
- Configuring the Site after Installation
- Installing Site Systems

- Deploying Clients
- Configuring the SMS Site Hierarchy
- Backing up and Recovering Data
- Troubleshooting an SMS Deployment

#### **Practices**

- Configuring Active Directory Schema for SMS
- Configuring Windows Components to Support SMS Features
- Installing a Primary Site
- Adding Site and Roaming Boundaries
- Configuring Site Security and a Custom Administrator Console for the Help Desk Group
- Creating a SQL Command
- Installing Site Systems
- Configuring Discovery Methods
- Configuring Client Agents
- Configuring Client Installation
- Installing an Advanced Client

After completing this module, students will be able to:

- Configure the environment before deployment.
- Install an SMS primary site.
- Configure the site after installation.
- Install site systems.
- Deploy clients.
- Configure a Systems Management Server Hierarchy
- Back up and recover data
- Troubleshoot a Systems Management Server deployment