

## Managing Microsoft System Management Server 2003

### Introduction

This five-day instructor-led course provides students with the knowledge and skills to manage Microsoft Systems Management Server (SMS). Students will learn how to configure SMS components and how to manage the ongoing operations of an SMS infrastructure.

### Pre-Requisites

Before attending this course, students must have:

- Completed Course 2272, Implementing and Supporting Microsoft Windows XP Professional and Course 2277, Implementing, Managing, and Maintaining a Microsoft Windows Server™ 2003 Network Infrastructure: Network Services or equivalent knowledge
- System administrator-level working knowledge of:
  - Deployment, configuration, and troubleshooting for Windows-based personal computers
  - TCP/IP networking
  - SQL Server™
  - Active Directory® directory service

### Outcomes

After completing this course, students will be able to:

- Describe the features and infrastructure of Systems Management Server 2003 (SMS)
- Explore the SMS Site Architecture
- Deploy SMS clients
- Discover SMS resources
- Collect inventory and monitor software usage
- Query and report data
- Distribute software
- Implement Software Update Tools
- Use SMS Remote Tools for client support
- Work with SMS Hierarchies
- Perform site maintenance, backup, and recovery tasks.

### Course Details

Course code: MS 2596

Duration: 5 days

Starting time: 9.00 am

Finishing time: 4.30 pm

### Booking guidelines

Contact our Learning Consultants on 1300 86 87246 and we will assist you with your booking.

( 1300 86 87246  
1300 TO TRAIN

# Course Outline

## Ø Module 1—Overview of Systems Management Server 2003

- Where SMS Fits in the Windows Server System
- Describing How SMS 2003 Features Provide Change and Configuration Management
- Explaining SMS Hierarchies
- Explaining SMS Site-to-Site Communication
- Explaining SMS Site and Roaming Boundaries
- Discussion: Overview of Systems Management Server 2003

After completing this module, students will be able to:

- Describe the position of SMS in the Windows Server System.
- Describe the features of SMS 2003 and how they provide change and configuration management.
- Describe SMS site hierarchies.
- Describe SMS site-to-site communication.
- Describe the role of SMS site boundaries and roaming boundaries.

## Ø Module 2— Exploring SMS Site Architecture

- Introduction to the SMS Site Server
- Exploring the SMS Administrator Console and the SMS 2003 Toolkit 1
- Explaining the Role of Active Directory in SMS 2003
- Explaining How SMS Uses Dependent Technologies
- Discussion: Exploring SMS Site Architecture

After completing this module, students will be able to:

- Describe the SMS site server and its components.
- Use the SMS Administrator console and the SMS 2003 Toolkit 1.
- Describe how SMS uses Active Directory.
- Describe how SMS uses dependent technologies such as Internet Information Server (IIS), BITS, WMI, and MSI.

## Ø Module 3— Preparing to Deploy the SMS Clients

- Introduction to the SMS Clients
- Discovering Resources
- Deploying the Site Systems That Support Client Installation and Client/Server Communication
- Discussion: Preparing to Deploy the SMS Clients

After completing this module, students will be able to:

- Describe the Legacy Client and Advanced Client, how to determine which SMS client to use, and how the SMS client gets assigned to a site.
- Describe resource discovery and the methods used to discover resources.
- Explain the guidelines to configure, deploy, and troubleshoot the site systems used by SMS to support clients.

## Ø Module 4— Deploying SMS Clients

- Deploying the Advanced Client
- Deploying the Legacy Client
- Isolating Problems When Installing SMS Clients
- Discussion: Deploying SMS Clients

After completing this module, students will be able to:

- Deploy the SMS Advanced Client.
- Deploy the SMS Legacy Client.
- Isolate problems that you might encounter during Advanced Client installation.

## Ø Module 5— Collecting Inventory and Software Metering

- Introduction to Inventory Collection
- Collecting Inventory Information
- Extending Inventory Collection
- Configuring Software Metering
- Discussion: Collecting Inventory and Software Metering

## Ø Module 6— Querying and Reporting Data

- Introduction to the Architecture of Data and Status Queries
- Creating and Running Queries
- Configuring and Deploying a Reporting Point
- Configuring and Running Reports
- Creating and Running Dashboards
- Discussion: Querying and Reporting Data

After completing this module, students will be able to:

- Describe the architecture of data and status queries.
- Create and run queries.
- Configure and deploy a reporting point.
- Configure and run reports.
- Create and run dashboards.

## Ø Module 7— Preparing an SMS Site for Software Distribution

- Explaining How SMS Distributes Software
- Managing Distribution Points
- Configuring Software Distribution and the Advertised Programs Client Agent
- Discussion: Preparing an SMS Site for Software Distribution

After completing this module, students will be able to:

- Explain how SMS distributes software.
- Explain how to manage distribution points.
- Configure software distribution and the Advertised Program Client Agent.

## Ø Module 8— Managing Software Distribution

- Configuring Software Distribution Objects Using a Software Distribution Methodology
- Creating and Configuring Collections
- Creating and Configuring Packages

# Course Outline

- Creating and Configuring Advertisements
- Managing Software Installation at the Client
- Monitoring Software Distribution
- Discussion: Managing Software Distribution
- Using SMS Software Distribution to Deploy an Office Application

After completing this module, students will be able to:

- Configure software distribution objects.
- Create and configure collections.
- Create and configure packages.
- Create and configure advertisements.
- Manage software installation at the client.
- Monitor software distribution.

## Ø Module 9— Implementing SMS Software Update Tools and Managing Update Deployment

- Explaining How the Software Update Process Works
- Installing the Software Update Scanning Tools
- Performing Software Update Inventory
- Deploying and Verifying Software Updates
- Discussion: Implementing SMS Software Update Tools and Managing Update Deployment

After completing this module, students will be able to:

- Describe the SMS software update process.
- Install the software update scanning tools.
- Perform a software update inventory.
- Deploy and verify software updates.

## Ø Module 10— Using Remote Tools for Client Support

- Introduction to Remote Tools
- Configuring the Remote Tools Client Agent
- Using SMS Remote Tools in Troubleshooting

- Discussion: Using SMS Remote Tools

After completing this module, students will be able to:

- Describe the tools available for remote control of SMS clients.
- Configure the Remote Tools Client Agent.
- Use Remote Tools in troubleshooting

## Ø Module 11—Working with SMS Hierarchies

- Introduction to the SMS Site Hierarchy
- Configuring Site Communications
- Installing a Secondary Site Server
- Managing Roaming Clients in an SMS Hierarchy
- Discussion: Working with SMS Hierarchies

After completing this module, students will be able to:

- Describe the site hierarchy architecture.
- Configure communication between SMS sites.
- Install an SMS secondary site server.
- Manage roaming clients in an SMS hierarchy.

## Ø Module 12— Performing Site Maintenance, Backup, and Recovery Tasks

- Performing Site Maintenance
- Performing an SMS Site Backup
- Recovering an SMS Site
- Discussion: Performing Site Maintenance, Backup, and Recovery Tasks

After completing this module, students will be able to:

- Perform site maintenance.
- Perform an SMS site backup.
- Recover an SMS site.