

# Installing and Configuring System Center Operations Manager 2007 R2

**Course Code: MS50028** Five days; Instructor-Led

## About this Course

This five-day instructor-led course provides students with the knowledge and skills to manage a Systems Center Operations Manager 2007 R2 management group. This course is intended to develop the necessary skills to install and manage Operations Manager 2007 R2 management servers and supporting roles.

## Audience Profile

This course is intended for Windows Server 2003 or later administrators who have experience working within a Windows Active Directory domain environment and have a good understanding of Windows Server based network services. Familiarity with a support ticketing system is helpful.

## At Course Completion

After completing this course, students will be able to:

- Install and configure a management group.
- Configure management group and agent settings.
- Identify the components of Management Packs.
- Install and configure reporting.
- Manage Agentless Exception Monitoring.
- Manage Audit Collection Services.
- Create Synthetic Transactions.
- Create Distributed Applications.
- Monitor system in untrusted domains and workgroups.
- Configure a management group hierarchy.

## Course Outline

### Module 1: Installing Microsoft System Center Operations Manager 2007 R2

This module explains how to plan and install the components for the Management Group.

## Lessons

- Preparing for Operations Manager 2007 R2
- Using System Center Capacity Planner
- Security
- Installing System Center Operations Manager 2007 R2
- Post Installation

## Lab : Installing System Center Operations Manager

- Installing System Center Operations Manager

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After completing this module, students will be able to:

- Install System Center Operations Manager 2007 and verify a successful installation.

## **Module 2: Using the Operations Console**

This module explains how to use the Operations Console, create Operator Accounts, use the Web Console and create Views.

### **Lessons**

- Reviewing the Workspaces
- Using the Web Console
- Working with Views
- Reviewing Security Roles

### **Lab : Creating Operator Accounts and Views**

- Creating Operator Accounts and Views

After completing this module, students will be able to:

- Install the Operations Console on another system.
- Understand the workspaces and views.
- Install and use the Web Console.
- Create Operators.

## **Module 3: Configuring Management Group and Agent Settings**

This module explains how to define the default management group and agent settings, override the default settings for a management server and agents, and create notifications to be sent when alerts appear.

### **Lessons**

- Global Settings
- Overriding Global Settings
- Creating Notifications

### **Lab : Configuring Notification Settings**

- Configuring Notification Settings

After completing this module, students will be able to:

- Configure default management group settings.
- Override the default management group setting.
- Configure notification settings and define who will receive the notifications.

#### **Module 4: Agent Installation**

This module explains how to install and configure the agent used to monitor systems within the Management Group.

##### **Lessons**

- Configuring Active Directory
- Push Installation
- Manual Installation
- Managing Agents

##### **Lab : Agent Installation**

- Agent Installation

After completing this module, students will be able to:

- Create an Active Directory container for automatic agent assignment.
- Configure automatic installation settings.
- Manually install and approve an agent.

#### **Module 5: Management Packs**

This module explains how to import, export and manage Management Packs used within the management group.

##### **Lessons**

- Management Pack Overview
- Importing and Exporting Management Packs
- Creating and Sealing Management Packs

##### **Lab : Creating Monitors**

- Creating Monitors

##### **Lab : Creating Tasks**

- Creating Tasks

## **Lab : Associating Run As Profiles with a Management Pack**

- Associating Run As Profiles with a Management Pack

## **Lab : Configuring Overrides**

- Configuring Overrides

After completing this module, students will be able to:

- Define the components that make up a management pack.
- Create a new management pack.
- Export and import management packs.
- Seal a management pack.

## **Module 6: Reporting**

This module explains how configure the reporting components for the management group.

### **Lessons**

- Installing and Configuring SQL Reporting Services
- Installing Operations Manager Reporting
- Creating and Viewing Reports

## **Lab : Creating Reports**

- Creating Reports

After completing this module, students will be able to:

- Install and configure SQL Reporting Services.
- Install and configure Operations Manager Reporting.
- View reports.
- Create reports using Report Builder.

## **Module 7: Agentless Exception Monitoring**

This module explains how to configure the settings and group policy options for Agentless Exception Monitoring.

### **Lessons**

- Configuring Exception Monitoring
- Managing Clients

## Lab : Configuring Agentless Exception Monitoring

- Configuring Agentless Exception Monitoring

After completing this module, students will be able to:

- Configure a management server as an Agentless Exception Monitoring collector.
- Configure clients to generate error reports and send them to the management server.

## Module 8: Audit Collection Services

This module explains how to collect audit information from monitored systems and display the collected audit information using reports.

### Lessons

- Audit Collection Services Overview
- Installing Audit Collection Services
- Configuring Forwarders and Collectors
- Importing ACS Reports

## Lab : Configuring Forwarders

- Configuring Forwarders

## Lab : Importing ACS Reports

- Importing ACS Reports

After completing this module, students will be able to:

- Install and configure Audit Collection Services.
- Optimize auditing.
- Import Auditing reports.

## Module 9: Synthetic Transactions

This module explains how to create transactions that mimic user actions and test functionality.

### Lessons

- Synthetic Transactions

## Lab : Creating Synthetic Transactions

- Creating Synthetic Transactions

After completing this module, students will be able to:

- Identify the components of a Synthetic Transaction.
- Create a Synthetic Transaction using the wizard.

## **Module 10: Distributed Applications**

This module explains how to name, declare, assign values to, and use variables. It also describes how to store data in an array.

### **Lessons**

- Distributed Applications

### **Lab : Creating a Distributed Application Model**

- Creating a Distributed Application Model

After completing this module, students will be able to:

- Use the Distributed Application wizard.
- Identify the components of a Distributed Application.

## **Module 11: Monitoring Non-Microsoft Platforms**

This module explains how to monitor non-Microsoft operating systems and devices.

### **Lessons**

- Tools for Monitoring Non-Microsoft Platforms
- Using the Cross-Platform Extensions

### **Lab : Installing the Cross-Platform Client**

- Installing the Cross-Platform Client

After completing this module, students will be able to:

- Understand the requirements for monitoring Linux and Unix systems.
- Configure agent installation for Linux and Unix systems.
- Monitor Linux and Unix systems.

## **Module 12: Complex Environments**

This module explains how to configure complex scenarios. The information covered includes multihoming an agent so that it reports monitoring data to more than one management group, configuring agents in untrusted domains to use certificate-based authentication, configuring a gateway server to support clients in untrusted domains, and configuring management groups in a hierarchy.

## Lessons

- Multi-homing Agents
- Untrusted Environments
- Multi-Tiered Environments

## Lab : Connecting Management Groups

- Connecting Management Groups

After completing this module, students will be able to:

- Multihome an agent.
- Create a connector to another management group.
- Create a connector subscription to a third-party management product.
- Configure Certificate-based authentication.
- Configure a Gateway Server.

## Module 13: Backup and Recovery

This module explains how to safeguard the management group from failure by backing up the required systems and components.

### Lessons

- Planning Backup and Restore
- Performing a Backup
- Planning Restore Strategies

## Lab : Promoting a Management Server

- Promoting a Management Server

After completing this module, students will be able to:

- Identify the components to backup.
- Backup the required components.
- Identify Restore requirements.