



# 50028: SCOM

## Managing System Center Operations Manager 2007

### Introduction

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

### Audience

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 is helpful.

### At Course Completion

After completing this course, students will be able to:

- Install and configure a management group.
- Install a clustered Root Management Server.
- Configure management group and agent settings.
- Install and configure reporting.
- Manage Agent less Exception Monitoring.
- Manage Audit Collection Services.
- Use Windows PowerShell to manage the management group.
- Configure a management group hierarchy.
- Migrate from Microsoft Operations Manager 2005 to system Center Operations Manger 2007

### Prerequisites

Before attending this course, students must have:

- A+ certification or equivalent knowledge.
- Network+ certification or equivalent Knowledge.
- Completed Course 2274, or have equivalent knowledge.
- Completed Course 2275, or have equivalent knowledge.
- Completed Course 2277, or have equivalent knowledge.
- Completed Course 2278, or have equivalent knowledge.
- Completed Course 2279, or have equivalent knowledge.



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## Course Outline

### Module 1: Installing System Center Operations Manager

This module explains how to install management servers and configure a clustered Root Management Server.

#### Lessons

- Identifying and Installing Prerequisites
- Installing System Center Operations Manager 2007
- Post Installation

#### Lab A: Installing System Center Operations Manager.

- Installing the Operations Manager Components.

#### Lab B: Installing a Clustered RMS

- Creating Cluster Resources.
- Installing the Operational Database
- Installing the RMS Node
- Installing the Secondary Management Server
- Creating the Services
- Creating the RMS Cluster Virtual Server

#### After completing this module, students will be able to:

Identify the requirements for installing System Center Operations Manager 2007

- Installing System Center Operations Manager 2007 and verify a successful installation

### Module 2: Using the Operation Console

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

#### Lessons

- Overview of the Operations Console
- Creating Operator Accounts
- Using the Web Console
- Working with Views



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## Lab: Creating Operator Accounts and Views

- Creating User Roles
- Creating Views

After completing this module, students will be able to:

- Install the Operations Console on another system
- Understand the workspace and views
- Work with the Actions available for a given object

## 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 A: Creating Notification Settings

- Setting Management Group Notification Options
- Creating Notification Recipients
- Creating Notification Subscriptions

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.

### Lessons

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



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## Lab: Agent Installation

- Manually Installing the Agent
- Approving the Manually Installed

**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, expert and manage management packs.

### Lessons

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

## Lab: Creating Monitors

- Creating a Self- Tuning Threshold Monitor
- Creating a Correlated Windows Event Unit Monitor

**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 to install and configure Reporting Services and build the appropriate models for Operations Manager monitoring.

### Lessons

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



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## Lab: Creating Reports

- Creating a Model
- Creating a Report

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 Client Monitoring
- Configuring Group Policy

After completing this module, students will be able to:

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

## Module 8: Audit Collection Services

This module explains how to configure Audit Collection Service so that security auditing can be centralized within the organization.

### Lessons

- Audit Collection Services Overview
- Install Audit Collection Services
- Configuring Forwarders and Collectors



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## Lab: Configuring ACS Reports

- Configuring ACS Reporting

After completing this module, students will be able to:

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

## Module 9: Using Operation Manger 2007 Command Shell

This module explains how to use the new Windows PowerShell- based commands to manage the management group.

### Lessons

- Command Shell Overview
- Using Command shell with Operations Manager 2007

### Lab: Using the Command Shell

- Running Individual Commands
- Scripting Commands

After completing this module, students will be able to:

- Identify how the command shell is used.
- Understand the cmdlets that are included with Operation Manager 2007

## Module 10: Complex Environments

This module explains how to multi- home agents, work with agents in untrusted domains and configures a hierarchy of management groups.

### Lessons

- Multi- homing Agents
- Untrusted Environments
- Multi-tiered Environments



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## Lab: Connecting Management Groups

- Configure Subscriptions
- Configure Operator Accounts

**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

## Module 11: Migrating from MOM 2005 to Operations Manager 2007

This module explains how to use the tools required to migrate the agents and setting from the MOM 2005 management group to the Operation Manager 2007 management group.

### Lessons

- Migration Overview
- Using the Migration Tool
- Converting Management Packs

## Lab: Converting Management Packs

- Using the Migration Tool

**After completing this module, students will be able to:**

- Identify the migration methods.
- Perform a migration to Operation Manager 2007
- Convert management packs from MOM 2005 format to Operations Manager 2007 format
- Identify changes in the management packs from MOM 2005 format to Operation Manager 2007 format
- Identify changes in the management pack formats.



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## Course Duration

- 5 Days
- include equipment, training material, lunch and refreshments



Learning Solutions