

## MOC 50028 – Installing & Configuring System Center Operations Manager 2007

**Number of Days: Five (5)**

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.

### Instructors:

The instructors that deliver this course are experienced, enterprise consultants who have experience in the deployment of Operations Manager. All of our instructors have real-world expertise and are both accomplished consultants and excellent presenters that make the delivery interesting and provide insight into real world issues that they have had to provide solutions to.

### Description:

This class is consists of the following sessions:

- Session 1:** Installing System Center Operations Manager
- Session 2:** Using the Operations Console
- Session 3:** Configuring Management Group and Agent Settings
- Session 4:** Agent Installation
- Session 5:** Management Packs
- Session 6:** Reporting
- Session 7:** Agentless Exception Monitoring
- Session 8:** Audit Collection Services
- Session 9:** Using Operations Manager 2007 Command Shell
- Session 10:** Complex Environments
- Session 11:** Migrating from MOM 2005 to Operations Manager 2007

#### **Session 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: Installing System Center Operations Manager**

- Installing the Operations Manager Components

**Lab: 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
- Install System Center Operations Manager 2007 and verify a successful installation

**Session 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**

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

**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 workspaces and views
- Work with the Actions available for a given object

**Session 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: 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.

## Session 4: Agent Installation

This module explains how to install and configure the agent.

### Lessons

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

### 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.

## Session 5: Management Packs

This module explains how to import, export, 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.

## Session 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

### 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.

## Session 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:

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

## Session 8: Audit Collection Services

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

### Lessons

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

### Lab: Configuring ACS Reports

- Configuring ACS Reporting

After completing this module, students will be able to:

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

## Session 9: Using Operations Manager 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 Operations Manager 2007.

## Session 10: Complex Environments

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

### Lessons

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

### 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

## Session 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 Operations 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 Operations Manager 2007.
- Convert management packs from MOM 2005 format to Operations Manager 2007 format.
- Identify changes in the management pack formats.