

## **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.