



Installing and Configuring System Center Operations Manager 2007 R2

Days: 5

Format: Instructor-Led

Class Code 50028

Certification Exams:

Certification Track:

Recommended Course Sequence

Knowledge of prerequisites
noted below.

*Course content is subject to change
without notice.*

Course Description:

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.

Target Student:

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.

Delivery Method:

Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

Prerequisites:

Before attending this course, students must have:

- A+ certification or equivalent knowledge.
- Network+ certification or equivalent knowledge.
- Completed Course 2273, 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.
- Familiarity with Windows Server 2008.
- Familiarity with Microsoft SQL Server 2005.
- Familiarity with SQL Reporting Services.

At Course Completion:

Upon successful completion of 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.

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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
<ul style="list-style-type: none">■ Preparing for Operations Manager 2007 R2■ Using System Center Capacity Planner■ Security■ Installing System Center Operations Manager 2007 R2■ Post Installation
Lab A: Installing System Center Operations Manager
<ul style="list-style-type: none">■ Installing System Center Operations Manager
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Reviewing the Workspaces■ Using the Web Console■ Working with Views■ Reviewing Security Roles
Lab: Creating Operator Accounts and Views
<ul style="list-style-type: none">■ Creating Operator Accounts and Views
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Global Settings■ Overriding Global Setting■ Creating Notifications.
Lab : Configuring Notification Settings
<ul style="list-style-type: none">■ Configuring Notification Settings
After completing this module, students will be able to:
<ul style="list-style-type: none">■ Configure default management group settings.■ Override the default management group setting.■ Configure notification settings and define who will

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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
<ul style="list-style-type: none">■ Configuring Active Directory■ Push Installation■ Manual Installation■ Managing Agents
Lab: Agent Installation
<ul style="list-style-type: none">■ Agent Installation
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Management Pack Overview■ Importing and Exporting Management Packs■ Creating and Sealing Management Packs
Lab: Creating Monitors
<ul style="list-style-type: none">■ Creating Monitors
Lab : Creating Tasks
<ul style="list-style-type: none">■ Creating Tasks
Lab : Associating Run As Profiles with a Management Pack
<ul style="list-style-type: none">■ Associating Run As Profiles with a Management Pack
Lab : Configuring Overrides
<ul style="list-style-type: none">■ Configuring Overrides
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Installing and Configuring SQL Reporting Services■ Installing Operations Manager Reporting■ Creating and Viewing Reports
Lab: Creating Reports

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<ul style="list-style-type: none">■ Creating a Report
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Configuring Exception Monitoring■ Managing clients
Lab: Configuring Agentless Exception Monitoring
<ul style="list-style-type: none">■ Configuring Agentless Exception Monitoring
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Audit Collection Services Overview■ Installing Audit Collection Services■ Configuring Forwarders and Collectors■ Importing ACS Reports
Lab : Configuring Forwarders
<ul style="list-style-type: none">■ Configuring Forwarders
Lab : Importing ACS Reports
<ul style="list-style-type: none">■ Importing ACS Reports
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Synthetic Transactions
Lab : Creating Synthetic Transactions
<ul style="list-style-type: none">■ Creating Synthetic Transactions
After completing this module, students will be able to:
<ul style="list-style-type: none">■ Identify the components of a Synthetic Transaction.

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| <ul style="list-style-type: none">■ Create a Synthetic Transaction using the wizard. |
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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
<ul style="list-style-type: none">■ Distributed Applications
Lab : Creating a Distributed Application Model
<ul style="list-style-type: none">■ Creating a Distributed Application Model
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Tools for Monitoring Non-Microsoft Platforms■ Using the Cross-Platform Extensions
Lab : Installing the Cross-Platform Client
<ul style="list-style-type: none">■ Installing the Cross-Platform Client
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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
<ul style="list-style-type: none">■ Multi-homing Agents■ Untrusted Environments■ Multi-Tiered Environments
Lab : Connecting Management Groups
<ul style="list-style-type: none">■ Connecting Management Groups
After completing this module, students will be able to:
<ul style="list-style-type: none">■ 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.

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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
<ul style="list-style-type: none">■ Planning Backup and Restore■ Performing a Backup■ Planning Restore Strategies
Lab : Promoting a Management Server
<ul style="list-style-type: none">■ Promoting a Management Server
After completing this module, students will be able to:
<ul style="list-style-type: none">■ Identify the components to backup.■ Backup the required components.■ Identify Restore requirements.