



## 50028E: Installing and Configuring System Center Operations Manager 2007 R2

### Course Details

**Course Code:** 50028E

**Duration:** 5 days

#### Notes:

- This course syllabus should be used to determine whether the course is appropriate for the students, based on their current skills and technical training needs.
- Course content, prices, and availability are subject to change without notice.
- Terms and Conditions apply

*Elements of this syllabus are subject to change.*

#### About this course

This five-day instructor-led course provides students with the knowledge and skills to install and configure System Center Operations Manager 2007. The information included in this class will prepare the student for managing their Operations Manager 2007 infrastructure.

#### Audience Profile

This course is intended for both novice and experienced network engineers who have a minimum basic Active Directory and network services experience.

#### At Course Completion

After completing this course, students will be able to:

- Install Operations Manager 2007 Root Management Server.
- Install the Root Management Server in a highly available configuration.
- Navigate the Operations Console and the Web Console.
- Manage the Management Group using the Command Shell.
- Perform agent installation on managed systems.
- Import and export management packs.
- Configure Rules, Events, Monitors and Tasks.
- Configure Reporting and create reports.
- Monitor workstations and servers using Agentless Exception Monitoring.
- Configure and manage Audit Collection Services.
- Create Synthetic Transactions.
- Create Distributed Applications.
- Multi-home an agent.
- Configure a Gateway server for monitoring untrusted domains.
- Configure communication between two management groups.
- Migrate from Microsoft Operations Manager 2005 to Operations Manager 2007.

#### Academy IT Pty Ltd

Harmer House  
Level 2, 5 Leigh Street  
ADELAIDE 5000

Email: [sales@academyit.com.au](mailto:sales@academyit.com.au)

Web: [www.academyit.com.au](http://www.academyit.com.au)

Phone: 08 7324 9800

Brian: 0400 112 083

#### Prerequisites

Before attending this course, students must have:

- Familiarity with PC hardware and devices.
- Experience supporting Windows-based systems.
- Experience authoring and editing batch and script files.
- Experience reviewing Windows application and service logs.
- Experience configuring or supporting distributed application environments.
- Working knowledge of Windows Server 2003 networking.
- Working Knowledge of Active Directory.

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

This module explains how to install System Center Configuration Manager 2007 in a single Root Management Server configuration and a clustered highly available Root Management Server configuration.

#### Lessons

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

#### Lab : Installing Microsoft System Center Operations Manager

- Installing the Operations Manager Components
- 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.

### Module 2: Using the Operations Console

This module explains how to use the Operations Console and how to perform configuration tasks.

#### 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.
- Work with the Actions available for a given object.

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

This module explains how to configure the global management group settings and the individual agent settings within Operations Manager 2007.

#### Lessons

- Global Settings
- Overriding Global Settings
- Creating Notifications

#### Lab : Configuring Notification Settings

- Setting Management Group Notification Options
- Creating Notification Recipients
- Creating Notification Subscriptions
- Testing 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 deploy the Operations Manager agent within the management group.

#### Lessons

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

#### Lab : Agent Installation

- Manually Installing the Agent
- Approving the Manually Installed Agent

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 the objects within a management pack.

### Lessons

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

### Lab : Creating Monitors

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

### Lab : Creating Tasks

- Creating a Task
- Testing a Task

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

- Creating a Run As Profile
- Testing a Task

### Lab : Configuring Overrides

- Create and Verify the Override

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 SQL Reporting Services and then install Operations Manager Reporting and create reports.

### 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.

## Module 7: Agentless Exception Monitoring

This module explains how to configure Agentless Exception Monitoring to monitor for application faults and then monitor the client systems.

### Lessons

- Configuring Exception Monitoring
- Managing Clients

### Lab : Configuring Agentless Exception Monitoring

- Configuring Client Monitoring
- Configuring Group Policy
- Testing Client 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 install and configure Audit Collection Services, how to enable forwarders and how to manage collectors and forwarders using the Command Shell.

### Lessons

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

### Lab : Configuring Forwarders

- Enabling Forwarders

### Lab : Configuring ACS Reports

- Import ACS Reports

After completing this module, students will be able to:

- Install and configure Audit Collection Services.

- Optimizing auditing.
- Create Auditing reports.

### Module 9: Synthetic Transactions

This module explains how to create a synthetic transaction to proactively monitor components.

#### Lessons

- Synthetic Transactions

#### Lab : Creating Synthetic Transactions

- Building the Synthetic Transaction
- Testing the Synthetic Transaction

After completing this module, students will be able to:

- Create and use Synthetic Transactions.

### Module 10: Distributed Applications

This module explains how to create and use distributed applications to provide end-to-end service monitoring.

#### Lessons

- Distributed Applications

#### Lab : Creating a Distributed Application

- Building the Model
- Building the Model

After completing this module, students will be able to:

- Create and use Distributed Applications.

### Module 11: Monitoring Non-Microsoft Platforms

This module introduces the components that allow monitoring of UNIX, Linux and network devices.

#### Lessons

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

After completing this module, students will be able to:

- Identify and use the built-in tools for managing non-Microsoft platforms.
- Configure and use the Cross-Platform Extensions for monitoring UNIX and Linux systems.
- Install the Cross-Platform extensions.

### Module 12: Complex Environments

This module explains how to configure agents to send monitoring data to multiple management servers in multiple management groups. It also explains how to install and configure a Gateway server for clients in untrusted domains and how to configure multiple management groups to interoperate.

#### Lessons

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

#### Lab : Connecting Management Groups

- Connecting Management Groups
- Configuring Operator Accounts

After completing this module, students will be able to:

- Multi-Home and agent.
- Create a Gateway server to monitor an untrusted domain
- Create connectors to other management groups and third party management products.

### Module 13: Backup and Recovery

This module explains how to backup and restore a management group and the management servers within the management group.

#### Lessons

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

#### Lab : Converting Management Packs

Promoting a Management Server

After completing this module, students will be able to:

- Identify the components to back up
- Plan a backup strategy
- Implement a backup strategy
- Implement a restore strategy.