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

Course Details

Course Outline

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.