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Microsoft®

MS – 8806Q Monitoring Your Environment With System Center Operations Manager 2007 (SCOM)

Duration:

Traditional Instructor Led Learning -3.00 Day(s)

Software Assurance Vouchers Accepted



Introduction

This three-day instructor-led course provides students with the knowledge and skills to implement Microsoft System Center Operations Manager 2007 management packs and customize them. The course focuses on understanding how management packs are implemented, the contents of specific management packs including the Operations Manager 2007 management pack, the Windows Server management packs, Active Directory management packs, and Exchange 2007 management pack. It also introduces the tools available for cross-platform monitoring.

Audience:

This course is intended for system administrators who will be responsible for day-to-day monitoring using System Center Operations Manager 2007 and will be required to adjust the settings of commonly available management packs to better monitor their environment.

After completing this course, students will be able to:

- Describe the various objects within a management pack
- Identify requirements for implementing common management packs
- Adjust settings provided by common management packs for more effective monitoring of their environment
- Identify best practices associated with tuning management packs

Prerequisites:

Before attending this course, students must have:

- At least one year's experience in supporting a Windows Server 2003 environment
- Exposure to Windows Server 2008
- Experience in supporting and troubleshooting Active Directory Services
- Experience in supporting and troubleshooting Exchange 2007

Course Outline:

Module 1: Overview of System Center Operations Manager 2007

This module provides an overview of Operations Manager 2007's health-based monitoring environment. It will describe the features of Operations Manager, identify the core components used in the monitoring environment, and review the security aspects.

Lessons:

- Lesson 1: Traditional Monitoring Compared with Operations Manager 2007
- Lesson 2: Operations Manager Features
- Lesson 3: Management Groups
- Lesson 4: Security

After completing this module, students will be able to:

- Describe the concepts of state-based and health monitoring
- Identify the features provided by Operations Manager 2007
- Identify the roles within a management group
- Describe how user roles are leveraged within a management group

Module 2: Using the Operations Console

This module familiarizes the participant with the operations console. It covers the various workspaces as well as how to customize the console.

Lessons:

- Lesson 1: Navigation
- Lesson 2: Views
- Lesson 3: Web Console
- Lesson 4: Understanding Alerts
- Lesson 5: Understanding Notifications

Lab: Customizing the Operations Console

- Navigating the Operations Console
- Personalizing Views
- Creating Custom Views
- Troubleshooting Alerts

After completing this module, students will be able to:

- Navigate the operations console
- Describe the different types of views available
- Identify the differences between the operations console and the web console
- Describe the information available in an alert
- Identify different notification options

Module 3: Management Packs

This module explains management packs, the different types of management packs, and dependencies within management packs. It describes the objects within a management pack and how to effectively work with pre-defined management packs.

Lessons

- Lesson 1: Types of Management Packs
- Lesson 2: Working with Overrides

Lab: Working with Sealed Management Packs

- Identifying Default Management Packs and Dependencies
- Identifying Management Pack Objects
- Creating Overrides

After completing this module, students will be able to:

- Describe the different types of Management Packs
- Identify management pack dependencies
- Create appropriately targeted overrides

Module 4: Working with the Windows Server Management Pack

This module explains what is monitored with the Windows Server Management Pack. It identifies configuration requirements, objects you may need to tune for your environment, and related management packs.

Lessons

- Lesson 1: Monitoring Scenarios
- Lesson 2: Configuring the Windows Server Management Pack
- Lesson 3: Objects in the Windows Server Management Pack
- Lesson 4: Related Management Packs

Lab: Working with the Windows Server Management Pack

- Prepare the Environment
- Configure the Environment
- Setting Overrides
- Monitoring Services

After completing this module, students will be able to:

- Identify configuration requirements of the Windows Server Management Pack
- Tune the management pack for your environment
- Identify additional management packs which may be beneficial

Module 5: Working with the Active Directory Management Pack

This module explains what is monitored with the Active Directory Management Pack. It identifies configuration requirements, objects you may need to tune for your environment, and related management packs.

Lessons

- Lesson 1: Monitoring Scenarios
- Lesson 2: Configuring the Active Directory Management Pack

- Lesson 3: Objects in the Active Directory Management Pack
- Lesson 4: Related Management Packs

Lab A: Preparing for the Active Directory Management Pack

- Prepare Active Directory
- Import Management Packs
- Prepare Operations Manager

Lab B: Customizing the Active Directory Management Pack

- Configure the environment
- Setting Overrides
- Troubleshooting Active Directory Alerts

After completing this module, students will be able to:

- Identify configuration requirements of the Active Directory Management Pack
- Tune the management pack for your environment
- Identify additional management packs which may be beneficial

Module 6: Leveraging Reports

This module introduces the reporting features of Operations Manager 2007. It reviews the default reports, how to generate and publish reports, and steps needed to create custom reports.

Lessons

- The Reporting Environment
- Pre-defined Reports
- Creating Custom Reports

Lab: Running Reports

- Running pre-defined reports from the Console
- Saving and Scheduling Reports
- Creating custom reports (optional)

After completing this module, students will be able to:

- Identify requirements for implementing reporting
- Run pre-defined reports and save them for quick viewing
- Schedule reports

Module 7: Working with the Exchange 2007 Management Pack

This module explains what is monitored with the Exchange 2007 management pack. It identifies

configuration requirements, objects you may need to tune for your environment, and related management packs.

Lessons

- Lesson 1: Monitoring Scenarios
- Lesson 2: Configuring the Exchange 2007 Management Pack
- Lesson 3: Object in the Exchange 2007 Management Pack

Lab: Customizing the Exchange 2007 Management Pack

- Prepare the Environment
- Configure the Environment
- Setting Overrides

After completing this module, students will be able to:

- Identify configuration requirements of the Exchange 2007 Management Pack
- Tune the management pack for your environment

Module 8: Using the Command Shell

This module introduces the participant to the command shell. It identifies the cmdlets available for Operations Manager 2007, navigating the Operations Manager 2007 environment, and provides several scenarios for leveraging the command shell when working with agents.

Lessons

- Working with the Command Shell
- Common Tasks for the Command Shell

Lab: Using the Command Shell

- Navigate the command shell
- Create a custom profile
- Execute a script to set maintenance mode
- Changing proxy settings
- Save an interactive script

After completing this module, students will be able to:

- Navigate the command shell
- Retrieve a listing of cmdlets available for Operations Manager 2007
- Identify tasks which are appropriate for the command shell

Module 9: Cross-Platform Monitoring

This module explains the options available for monitoring network devices and non-Microsoft

operating systems. It presents the options available for connecting Operations Manager 2007 with other management tools.

Some information in this module is based on Operations Manager 2007 R2 Beta and is subject to change.

Lessons

- Monitoring Network Devices
- Using the Cross-Platform Extensions
- Connecting to Other Management Tools

Lab: Monitoring Network Devices

- Configure the Proxy Agent and Management Server
- Discover the Network Device
- Monitoring Network Devices
- Create a TCP Port Monitor

After completing this module, students will be able to:

- Describe the options available for monitoring network devices
- Identify the requirements for implementing the Cross-Platform Extensions
- Identify options available for connecting to other management tools

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