



Course M50216-ILT

System Center Operations Manager 2007: Advanced Configuration and Administration

Three days, Instructor-Led

INTRODUCTION

This three-day instructor-led course provides students with the knowledge and skills to configure and administrate a complex Operations Manager 2007 environment. The information included in this class will give students a better understanding of their Operations Manager 2007 infrastructure.

AUDIENCE PROFILE

This course is intended for Operations Manager 2007 Administrators who are responsible for configuring and managing one or more Operations Manager 2007 management groups and all supporting roles.

PREREQUISITES

Before attending this course, students must have:

- A+ certification or equivalent knowledge.
- Network+ certification or equivalent knowledge.
- Visual Basic Script knowledge.
- Windows Server experience.
- Completed Course 2274, or have equivalent knowledge.
- Completed Course 2275, 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.
- Completed Course 50028B, Managing System Center Operations 2007, or equivalent knowledge.

COURSE OUTLINE

MODULE 1: ARCHITECTURE AND TROUBLESHOOTING

This module will explain how the 'internals' of Operations Manager work and how to troubleshoot.

- Lessons
- Architecture
- Operations Manager "Health Engine"
- Troubleshooting

Lab: Troubleshooting

- Troubleshooting discoveries and monitors
- Troubleshooting health state changes
- Troubleshooting the Operations Manager agent

MODULE 2: MANAGEMENT PACKS

This module will explain management pack architecture and how to author a management pack.

Lessons



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- Architecture
- OpsMgr Console vs Authoring console
- Targeting
- Override and thresholds
- PRO Tips

Lab: Import and tune management packs

- Using overrides
- Targeting based on different scenarios

Lab: Author a management pack

- Author a management pack
- After completing this module, students will be able to:
- Understand the management pack architecture
- Target a new monitor or rule to suitable collection of objects
- Author a management pack

MODULE 3: REPORTING

This module will explain how to develop custom reports.

Lessons

- The data warehouse database
- SQL Reporting and reporting items

LAB: AUTHOR CUSTOM REPORTS

- Author a performance report

Lab: Author custom reports

- Author an event report

Lab: Author custom reports

- Author a health report

Lab: Author custom reports

- Author an ACS report

MODULE 4: CONNECTORS

This module will explain how to connect Operations Manager to remote systems, like a ticketing system.

Lessons

- Connector Architecture
- Using the Universal Connector



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- Deploy, configure and use the Universal Connector

Lab: Install the Universal Connector

- Deploy and configure the Universal Connector

Lab: Use the Universal Connector

- Use the Universal Connector to forward alerts from Operations Manager

Lab: Use the Universal Connector

- Use the Universal Connector to import information from Remote Systems
- After completing this module, students will be able to:
- Understand the Connector architecture
- Export information from Operations Manager with the universal connector
- Import information into Operations Manager with the universal connector

MODULE 5: ADVANCED SCRIPTING AND POWERSHELL

This module will explain how to build and work with Operations Manager scripting and PowerShell.

Lessons

- Operations Manager and PowerShell functionality
- Operations Manager and Visual Basic Scripts functionality

Lab: Using PowerShell for day-to-day tasks

- Using PowerShell for ACS tasks
- Using PowerShell to retrieve and export information
- Using PowerShell to update information
- Using PowerShell for User Roles and Notification tasks
- Using PowerShell to troubleshoot the SCOM environment

Lab: Operations Manager scripting

- Creating visual basic scripts for 2- and 3-state "monitors"
- Creating visual basic scripts for "rules"
- Creating visual basic scripts for "discoveries"