

Systems Center 2012 Operations Manager

2021

5 jours

+ 20 ANNÉES
d'expériences
à votre service

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FORMATION



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Durée:

5 jours

Langue

Anglais

Formations dirigées par un instructeur

Objectif

This five-day instructor-led course provides students with the necessary knowledge to successfully design and deploy Microsoft System Center 2012 Operations Manager. In this course, students are introduced to the basic theory of service monitoring. They will also learn about configuration, deployment, monitoring, and operation of Operations Manager 2012.

After completing this course, students will have the skills necessary to manage Operations Manager for maximum business benefit. This course incorporates case studies and hands-on learning opportunities so students can practice applying business solutions to real-world scenarios.

Profil population cible

This course is for IT Professionals who already have some prerequisite technical knowledge and want to learn the skills necessary to implement a comprehensive service monitoring system for their production environment. This course is also for IT Professionals who want to learn how to communicate relevant business information about the operational status of the IT environment.

Examen de certification

Préparation pour examen : N/A

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Prérequis :

Windows Server 2008 R2 operating system
Active Directory Domain Services (AD DS)
Experience with PowerShell and SQL Server and SQL Server Reporting Services
Familiarity with data center management processes
Previous work with IT Infrastructure Library (ITIL)
Previous work with Microsoft Operations Framework (MOF)
Knowledge of previous versions of Operations Manager
Knowledge of the product(s) that you plan to monitor

Module 1

Introduction to System Center 2012 Operations Manager

History and Evolution of System Center
System Center 2012 Product Suite
System Center 2012 Licensing
System Center 2012 Operations Manager

Leçons

- Explain the history and evolution of System Center
- Differentiate between each of the System Center 2012 products
- Describe System Center 2012 licensing
- Identify the purpose and function of Operations Manager 2012

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Module 2

Plan for Service Monitoring

Introducing ITIL and MOF
Designing the Service Monitoring Process
Documenting the Service Monitoring Process

Leçons

- Provide an overview of ITIL and MOF
- Design and document a service monitoring plan

Module 3

Plan an Operations Manager 2012 Deployment

Defining the Operations Manager 2012 Core Components
Designing for High Availability
Defining Core Hardware and Software Requirements
Designing Network Device Monitoring Requirements
Designing UNIX/LINUX Monitoring Requirements
Designing Windows-Based Monitoring Requirements

Leçons

- Define what a management group and its components are
- Design a highly available System Center 2012 Operations Manager environment
- Plan and design the necessary hardware and software components
- Describe the necessary components for network device monitoring
- Describe the necessary components for UNIX/LINUX-based server monitoring
- Implement Windows-based server monitoring

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Module 4

Deploy Operations Manager 2012

Reviewing Environmental Prerequisites
Installing Operations Manager 2012
Verifying Operations Manager 2012 Installation and Additional Configuration
Creating and Using Run As Accounts
Implementing Active Directory Integration
Designing and Implementing Role-Based Administration

Leçons

- List the environmental prerequisites needed to install Operations Manager 2012 and Active Directory accounts
- Describe how to install and configure a management group and its components
- Verify the successful implementation of basic management group components
- Create and use Run As accounts
- Design a role-based administrative model
- Explain what Active Directory Integration is

Module 5

Deploy the Operations Manager 2012 Agent

Reviewing the Operations Manager 2012 Agent
Deploying the Operations Manager 2012 Agent
Introducing Agent Failover

Leçons

- Explain the agent architecture
- Explain agent deployment methods
- Describe what Active Directory auto assignment is
- Describe how the agent will handle a primary management server failure

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Module 6

Deployment and Administration of Monitoring (Management) Packs

Introducing Monitoring (Management) Packs
Understanding Most Commonly Used Monitoring (Management) Packs
Modifying and Expanding Monitoring (Management) Packs: Overrides
Monitoring (Management) Pack Administration Best Practices

Leçons

- Explain what a monitoring (management) pack is
- Describe the components of a monitoring (management) pack
- Explain how to obtain a monitoring (management) pack
- Deploy monitoring (management) pack
- Explain the difference between sealed and unsealed monitoring (management) packs
- Override a monitoring (management) pack
- Describe best practices for monitoring (management) pack administration

Module 7

Tune Monitoring (Management) Packs

Introducing Alerts
Tuning a Monitoring (Management) Pack
Using Operations Manager Baseline Monitors and Rules
Documenting Changes to Monitoring (Management) Packs

Leçons

- Describe alerts
- Describe the monitoring (management) pack tuning process
- Describe baseline monitors and rules
- Document overrides

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Module 8

Monitor Administration

Exploring the Operations Console - Monitoring Pane
Administering Alerts
Exploring Agent-Based Monitoring
Customizing the Monitoring Pane

Leçons

- Navigate the monitoring pane in the Operations console
- Investigate an alert
- Use Health Explorer
- Explain maintenance mode
- Describe and create Views

Module 9

Advanced Monitoring

Monitoring Network Devices
Monitoring UNIX/LINUX-Based Computers
Monitoring .NET-Based Applications
Expanding Operations Manager 2012 Monitoring

Leçons

- Monitor network devices
- Monitor UNIX/LINUX-based computers
- Monitor .NET-based applications
- Monitor distributed applications
- Expand monitoring by using monitoring (management) pack templates

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Module 10

Reports

Using Operations Manager 2012 ReportingAdministering
ReportsCustomizing Reports

Leçons

- Understand how Operations Manager 2012 Reporting and SQL Server Reporting Services work together
- Manage default Operations Manager 2012 reports
- Create customized reports

Module 11

Notifications and Operations Manager 2012

Maintenance

Introducing Alert NotificationsDesigning Maintenance and Disaster
Recovery

Leçons

- Describe and configure Operations Manager 2012 notifications
- Plan and perform routine maintenance
- Create a disaster recovery plan

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