

# Course Outline: 55006

## Module 1: Introduction to System Center 2012 Operations Manager

### Lessons

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

### Lab : Introduction to System Center 2012 Operations Manager

After completing this module, students will be able to:

- 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

## Module 2: Plan for Service Monitoring

### Lessons

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

### Lab : Plan for Service Monitoring

After completing this module, students will be able to:

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

## Module 3: Plan an Operations Manager 2012 Deployment

### Lessons

- 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

### Lab : Plan an Operations Manager 2012 Deployment

After completing this module, students will be able to:

- 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

## **Module 4: Deploy Operations Manager 2012**

### **Lessons**

- 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

### **Lab : Deploy Operations Manager 2012**

After completing this module, students will be able to:

- 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**

### **Lessons**

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

### **Lab : Deploy the Operations Manager 2012 Agent**

After completing this module, students will be able to:

- 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

## **Module 6: Deployment and Administration of Monitoring (Management) Packs**

### **Lessons**

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

### **Lab : Deployment and Administration of Monitoring (Management) Packs**

After completing this module, students will be able to:

- 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**

### **Lessons**

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

### **Lab : Tune Monitoring (Management) Packs**

After completing this module, students will be able to:

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

## **Module 8: Monitor Administration**

### **Lessons**

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

### **Lab : Monitor Administration**

After completing this module, students will be able to:

- 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**

### **Lessons**

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

### **Lab : Advanced Monitoring**

After completing this module, students will be able to:

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

## **Module 10: Reports**

- Using Operations Manager 2012 Reporting
- Administering Reports
- Customizing Reports

### **Lab : Reports**

After completing this module, students will be able to:

- 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**

### **Lessons**

- Introducing Alert Notifications
- Designing Maintenance and Disaster Recovery

### **Lab : Notifications and Operations Manager 2012 Maintenance**

After completing this module, students will be able to:

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

## **Module 12: System Center 2012 Integration**

### **Lessons**

- n/a

### **Lab : System Center 2012 Integration**

After completing this module, students will be able to:

- Describe System Center 2012 Integration