

10964: Cloud & Datacentre Monitoring with System Centre Operations Manager

Duration: 5 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

This course equips participants with the skills they require to deploy and configure the System Centre 2012 R2 Operations Manager.

Target Audience

This course is intended for Cloud and Datacenter Administrators who are:

- New to System Centre 2012 R2 Operations Manager.
- Already familiar with Operations Manager and want to upgrade their skills to include the new features found in System Centre 2012 Operations Manager, System Centre 2012 SP1 Operations Manager and System Centre 2012 R2 Operations.

Prerequisites

To attend this course, candidates must have:

- One or more years' experience in the design and implementation of System Centre Operations 2007 R2 or System Centre 2012 Operations Manager.
- Working knowledge of Windows Server® 2008 R2 and Windows Server 2012 R2.
- Working knowledge of SQL Server® 2008 R2 and SQL Server 2012.

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Plan for the deployment of System Centre 2012 R2 Operations Manager including:
 - Defining hardware and software requirements.
 - Describing security considerations.
 - Architect a universally available System Centre and Microsoft SQL Server platform utilizing Microsoft® SQL Server AlwaysOn.
 - Planning for migration and upgrade scenarios to System Centre 2012 R2 Operations Manager.

Course Objectives *Continued*

- Customize the Operations Console with User Roles.
- Perform different methods of Agent deployment with System Centre 2012 R2 Operations Manager.
- Implement key Management Pack concepts and elements including Management Packs Templates.
- Configure Notifications, Reporting, and Service Level Tracking in System Centre 2012 R2 Operations Manager.
- Configure the following:
 - Audit Collection Services.
 - Agentless Exception Monitoring.
 - Operations Manager SharePoint Web Part in System Centre 2012 R2 Operations Manager.
 - Configure Application Performance Monitoring and Network Device monitoring in System Centre 2012 R2 Operations Manager.
 - Configure dashboards and widgets in System Centre 2012 R2 Operations Manager.
 - Describe how to use new cloud-based features including System Centre Global Service Monitor and System Centre Advisor.
 - Configure integration between System Centre 2012 R2 Operations Manager and other System Centre 2012 R2 components.
 - Troubleshoot an Operations Manager Management Group.
 - Perform disaster recovery in System Centre 2012 R2 Operations Manager.

Course Topics

Module 1: Overview and Architecture

- Overview of Operations Manager
- Overview of Key Features in Operations Manager
- Overview of Core Components and Topology
- Addressing Cloud and Datacentre Issues by Using Operations Manager
- Planning and Sizing System Centre 2012 R2 Operations Manager
- Designing the Management Group
- Installing System Centre 2012 R2 Operations Manager
- Configuring Operations Manager Default Settings
- Deploying the Operations Manager Agent
- Configuring Agentless Exception Monitoring (AEM)
- Configuring Audit Collection Services

Module 2: Deploying a new System Centre 2012 R2 Operations Manager Management Group

- Overview of Security Considerations

Course Topics *Continued*

Module 3: Upgrading Operations Manager

- Overview of Migration and Upgrade Planning
- Upgrading to System Centre 2012 R2 Operations Manager
- Migrating to System Centre 2012 R2 Operations Manager

Module 4: Configuring Fabric and Application Monitoring

- Introduction to Management Packs
- Configuring Network Device Monitoring
- Configuring Fabric Monitoring
- Configuring Application Monitoring

Module 5: Application Performance Monitoring

- Application Performance Monitoring
- Using IntelliTrace
- Team Foundation Server Integration

Module 6: End to End Service Monitoring

- Management Pack Templates
- Distributed Application Models
- Global Service Monitor
- Real-Time Visio Dashboards

Module 7: Scorecards, Dashboards and Reporting

- Configuring and Managing Reporting in Operations Manager
- Configuring Service Level Tracking
- Configuring the Operations Manager SharePoint Webpart
- Configuring Dashboards and Widgets
- Creating Custom Dashboards

Module 8: Configuring and Customizing the Console

- Security, Scoping and User Roles
- Creating Custom Views and the Alert Resolution States
- Configuring Notification Subscriptions
- Creating Diagnostic and Recovery Tasks

Module 9: Management Pack Authoring

- Management Packs Authoring Concepts
- Authoring Management Packs by Using the Operations Console
- Authoring Management Packs by Using the Visual Studio Authoring Extensions

Module 10: Integrating Operations Manager with Other System Centre Components

- Service Manager Integration
- Data Protection Manager Integration
- Orchestrator Integration

Module 11: Troubleshooting, Tuning and Disaster Recovery

- Troubleshooting Operations Manager Core Components
- Tuning Management Packs
- Configuring SQL AlwaysOn for Operations Manager
- Configuring Data Retention in Operations Manager
- Disaster Recovery in Operations Manager

LABS INCLUDED