5 Days

10964: Cloud & Data Center Monitoring with System Center Operations Manager

This 10964 Cloud & Data Center Monitoring with System Center Operations Manager training provides the right knowledge to students and professionals to deploy and configure System Center 2012 R2 Operations Manager.

Completion of the 10964 System Center R2 training course will help enable the candidates in:

- Architecting and implementing a System Center 2012 R2 Operations Manager Management Group.

- Upgrading and migrating from an existing Operations Manager 2007 R2 Management Group to System Center 2012 Operations Manager, System Center 2012 SP1 Operations Manager and System Center 2012 R2 Operations Manager.

- Understanding the key elements of Management Packs

- Configuring fabric and application monitoring in System Center 2012 R2 Operations Manager.

- Configuring & monitoring of .NET and Java based applications using Application Performance Monitoring.

- Integrating Operations Manager with other System Center 2012 R2 components and extending monitoring to include key business processes and procedures.

- Configuring end-to-end service monitoring including synthetic transactions and Distributed Application Diagrams.

- Configuring Dashboards, Service Level Tracking Reporting and the SharePoint Web Part to enable visualization of key performance and availability metrics.

- Customizing the Operations Manager Console to meet the needs of different application support teams.

- Troubleshooting an Operations Manager Management Group and performing disaster recovery procedures.

Course Details

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Course Outline

Module 1: Overview and Architecture

- Operations Manager Overview

- Key Features in Operations Manager

- Overview of Core Components and Topology

- Address Cloud and Datacenter Issues by Using Operations Manager

- Plan and Size System Center 2012 R2 Operations Manager

Module 2: Deploy a new System Center 2012 R2 Operations Manager Management Group

- Overview of Security Considerations

- Design the Management Group

- Install System Center 2012 R2 Operations Manager

- Configure Operations Manager Default Settings

- Deploy the Operations Manager Agent

- Configure Agentless Exception Monitoring (AEM)

- Configure Audit Collection Services

Module 3: Upgrading Operations Manager

- Migration and Upgrade Planning

- Migrate to System Center 2012 R2 Operations Manager

- Upgrade to System Center 2012 R2 Operations Manager

Module 4: Configure Fabric and Application Monitoring

- Introduction to Management Packs

- Configure Network Device Monitoring

- Configure Fabric Monitoring

- Configure Application Monitoring

Module 5: Application Performance Monitoring

- Using IntelliTrace

- Application Performance Monitoring

- Team Foundation Server Integration

Module 6: End to End Service Monitoring

- Distributed Application Models

- Real-time Visio Dashboards

- Management Pack Templates

- Global Service Monitor

Module 7: Scorecards, Dashboards and Reporting

- Configure Dashboards and Widgets

- Create Custom Dashboards

- Configure and Manage Reporting in Operations Manager

- Configure Service Level Tracking

- Configure the Operations Manager SharePoint WebPart

Module 8: Configuring and Customising the Console

- Configure Notification Subscriptions

- Security, Scope and User Roles

- Create Diagnostic and Recovery Tasks

- Create Custom Views and Alert Resolution States

Module 9: Management Pack Authoring

- Management Packs Authoring Concepts

- Author Management Packs by using the Operations Console

- Author Management Packs by using the Visual Studio Authoring Extensions

Module 10: Integrating Operations Manager with Other System Center Components

- Orchestrator Integration

- Service Manager Integration

- Data Protection Manager Integration

Module 11: Troubleshooting, Tuning and Disaster Recovery

- Troubleshoot Operations Manager Core Components

- Configure Data Retention in Operations Manager

- Configure SQL AlwaysOn for Operations Manager

- Tune Management Packs

- Disaster Recovery in Operations Manager

Who Should Attend

- **This course is majorly intended to cloud and datacenter administrators who are new to System Center 2012 R2 Operations Manager and are responsible for deploying, configuring and operating it in their cloud or datacenter.**

- **On the other hand, this training is also useful to those cloud and datacenter administrators who are already familiar with Operations Manager and want to upgrade their skills to include the new features found in System Center 2012 Operations Manager, System Center 2012 SP1 Operations Manager and System Center 2012 R2 Operations Manager.**

Pre Requisite

Before attending this course, candidates must have:

- One or more years' experience in designing and implementing System Center Operations 2007 R2 or System Center 2012 Operations Manager will be beneficial.

- Working knowledge of Windows Server 2008 R2 and Windows Server 2012 R2.

- Working knowledge of SQL Server 2008 R2 and SQL Server 2012.

Exams

Cloud & Datacenter Monitoring with SCOM 2012 R2 [10964]

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Date - Jun 13, 2025