# MSCE-6 - MOC 10964 - CLOUD & DATACENTER MONITORING WITH SYSTEM CENTER OPERATIONS MANAGER

Categoria: **System Center**

## INFORMAZIONI SUL CORSO

| Durata: | Categoria: | Qualifica Istruttore: | Dedicato a: | Produttore: |
|---|---|---|---|---|
| 5 Giorni | System Center | Microsoft Certified Trainer | Professionista IT | Microsoft |

## OBIETTIVI

Piano per la distribuzione di System Center 2012 R2 Operations Manager tra cui:
Definizione di requisiti hardware e software. Descrivendo considerazioni sulla sicurezza. Architect un System Center e Microsoft SQL Server piattaforma ad alta disponibilità che utilizza Microsoft SQL Server AlwaysOn. La pianificazione per la migrazione e scenari di aggiornamento per System Center 2012 R2 Operations Manager.
Personalizzare la console operatore con ruoli utente.
Eseguire diversi metodi di distribuzione Agente con System Center 2012 R2 Operations Manager.
Implementare concetti chiave Management Pack e gli elementi compresi Management Pack Modelli.
Configurare le notifiche, reporting e monitoraggio del livello di servizio in System Center 2012 R2 Operations Manager.
Configurare il seguente:
Audit Collection Services. Monitoraggio eccezioni senza agente. Operations Manager SharePoint Web Part in System Center 2012 R2 Operations Manager.
Configurare Application Performance Monitoring e controllo del dispositivo di rete in System Center 2012 R2 Operations Manager.
Configurare dashboard e widget in System Center 2012 R2 Operations Manager.
Descrivere come utilizzare le nuove funzionalità cloud-based, tra cui System Center Global Service Monitor e System Center Advisor.
Configurare l'integrazione tra System Center 2012 R2 Operations Manager e gli altri componenti R2 System Center 2012.
Risoluzione di un gruppo di gestione di Operations Manager.
Eseguire il ripristino di emergenza in System Center 2012 R2 Operations Manager.

## PREREQUISITI

Oltre alla loro esperienza professionale, gli studenti che frequentano questa formazione dovrebbero già avere le seguenti conoscenze tecniche:
Uno o più anni di esperienza nella progettazione e realizzazione di System Center Operations 2007 R2 o System Center Operations Manager 2012 è desiderato. Conoscenza operativa di Windows Server 2008 R2 e Windows Server 2012 R2. Conoscenza operativa di SQL Server 2008 R2 e SQL Server 2012.

## CONTENUTI

**Module 1: Overview and Architecture**
Operations Manager in the Cloud and Data Center
Operations Manager Overview
Core Components and Topology
Key features of System Center 2012 R2 Operations Manager
Planning and Sizing System Center 2012 R2 Operations Manager

**Lab : Using the System Center 2012 Operations Manager Sizing Helper Tool**
Calculate the hardware requirements for Contoso's Management Group
Create a Visio diagram of the proposed Management Group design

**Module 2: Deploying a new System Center 2012 R2 Operations Manager Management Group**
Security Considerations
Management Group Design Considerations
Installing System Center 2012 R2 Operations Manager
Configuring Operations Manager Default Settings
Configuring Agentless Exception Monitoring (AEM)
Agent Deployment Methods
Configuring Audit Collection Services

**Lab : Installing System Center 2012 R2 Operations Manager and Deploying Agents**
Installing a new System Center 2012 R2 Operations Manager Management Group
Installing and Configuring the Gateway Server
Installing the Operations Manager Agent
Configuring Active Directory Integration
Installing and Configuring Audit Collection Services (ACS)
Configuring Agentless Exception Monitoring (AEM)

**Module 3: Upgrading Operations Manager**
Migration and Upgrade Planning
Upgrading to System Center 2012 R2 Operations Manager
Migrating to System Center 2012 R2 Operations Manager

**Lab : Upgrading to System Center 2012 R2 Operations Manager**
Preparing the Operations Manager 2007 R2 Environment for Upgrade
Upgrading the Operations Manager 2007 R2 Management Group to System Center 2012 Operations Manager
Upgrading the System Center 2012 Operations Manager Management Group to System Center 2012 SP1 Operations Manager
Upgrading the System Center 2012 SP1 Operations Manager Management Group to System Center 2012 R2 Operations Manager

**Module 4: Configuring Fabric and Application Monitoring**
Management Packs Fundamentals
Configuring Network Device Monitoring
Configuring Fabric Monitoring
Configuring Application Monitoring

**Lab : Configuring Application and Fabric Monitoring**
Installing the System Center Management Pack for Windows Server Operating System
Install and configure the System Center Management Pack for SQL Server
Install the System Center 2012 Management Pack for Microsoft Windows Server 2012 Internet Information Service 8.
Install and configure the System Center Management Pack for SharePoint Server 2013
Configure Network Monitoring

Configure integration between Operations Manager and Virtual Machine Manager
Install the System Center Management Pack for VMM Fabric Dashboard 2012 R2

### Module 5: Application Performance Monitoring

Application Performance Monitoring
Using IntelliTrace
Team Foundation Server Integration

### Lab : Configuring Application Performance Monitoring

Monitoring .NET and Java applications with Application Performance Monitoring
Using IntelliTrace
Using the APM Consoles
Configuring integration with Team Foundation Server

### Module 6: End to End Service Monitoring

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

### Lab : Configuring End to End Service Monitoring

Configuring Synthetic Transactions
Configuring the Summary Dashboard with agent locations
Building a Distributed Application Model for Dinner Now
Creating a Visio Dashboard

### 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

### Lab : Configuring Reporting, Dashboards and Service Level Tracking

Design a custom report
Scheduling Reports
Configure Service Level Tracking for DinnerNow
Configure an Alert Dashboard
Configure a Performance Dashboard
Configure a Summary Dashboard
Configure an SLA Dashboard and add Publish the Dashboard to SharePoint
Use the GTM Tool to Publish a Custom Dashboard

### Module 8: Configuring and Customizing the Console

Security, Scoping and User Roles
Creating Custom Views
Configuring Notification Subscriptions
Creating Diagnostic and Recovery Tasks

### Lab : Customizing the Operations Console

Create User Roles
Create a Custom Resolution Status
Create Custom Views

Configuring Notification Subscriptions
Configure Diagnostic and Recovery Tasks

**Module 9: Management Pack Authoring**
Management Packs Authoring Concepts
Authoring a Management Pack

**Lab : Authoring Management Packs**
Creating a Management Pack in the Operations Console
Authoring a custom Management Pack using the Visual Studio Authoring Extensions

**Module 10: System Center Integration**
Integrating Operations Manager with Service Manager
Integrating Operations Manager with Data Protection Manager
Integrating Operations Manager with Orchestrator

**Lab : Configuring System Center Integration**
Configure Service Manager Integration with Operations Manager
Configure Operations Manager Integration with Data Protection Manager
Configure Orchestrator Integration
Implement Automatic Web Site Restart and Create an Incident if it Fails

**Module 11: Troubleshooting, Tuning and Disaster Recovery**
Troubleshooting Operations Manager Core Components
Configuring SQL AlwaysOn for Operations Manager
Configuring Data Retention in Operations Manager
Using Reports to troubleshoot Operations Manager
Disaster Recovery

**Lab : Troubleshooting Operations Manager**
Troubleshoot a performance problem in Operations Manager
Recovering from a Management Server Failure
Recovering from an Operational database failure.

## INFO

**Materiale didattico:** Materiale didattico in formato digitale
**Costo materiale didattico:** incluso nel prezzo del corso a Calendario
**Natura del corso:** Operativo (previsti lab su PC)