

# Cloud & Datacenter Monitoring with System Center Operations Mgr., On Demand 10964

 Seminar

 Zurzeit keine Termine

 Teilnahmebescheinigung

 E-Learning

 40 Unterrichtseinheiten

Seminarnummer: 29440 | Herstellernummer: OD10964

Stand: 15.03.2026. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/29440>

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

## Nutzen

In dieser MOC on Demand Version ist eine originale MOC Unterlage in digitaler Form enthalten.

After completing this course, students will be able to:

- Plan for the deployment of System Center 2012 R2 Operations Manager including:
- Defining hardware and software requirements.
- Describing security considerations.
- Architect a highly available System Center and Microsoft SQL Server platform utilizing Microsoft SQL Server AlwaysOn.
- Planning for migration and upgrade scenarios to System Center 2012 R2 Operations Manager.
- Customize the Operations Console with User Roles.
- Perform different methods of Agent deployment with System Center 2012 R2 Operations Manager.
- Implement key Management Pack concepts and elements including Management Packs Templates.
- Configure Notifications, Reporting, and Service Level Tracking in System Center 2012 R2 Operations Manager.
- Configure the following:
  - Audit Collection Services.
  - Agentless Exception Monitoring.
  - Operations Manager SharePoint Web Part in System Center 2012 R2 Operations Manager.
  - Configure Application Performance Monitoring and Network Device monitoring in System Center 2012 R2 Operations Manager.
  - Configure dashboards and widgets in System Center 2012 R2 Operations Manager.

- Describe how to use new cloud-based features including System Center Global Service Monitor and System Center Advisor.
- Configure integration between System Center 2012 R2 Operations Manager and other System Center 2012 R2 components.
- Troubleshoot an Operations Manager Management Group.
- Perform disaster recovery in System Center 2012 R2 Operations Manager.

## Zielgruppe

The primary audience for this course is 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. The secondary audience for this course is 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.

## Voraussetzungen

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

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

## Inhalte des Seminars

Module 1: Overview and Architecture This module introduces students to the components contained in an Operations Manager Management Group and describes the dependency and relationships between the various components. Students will be shown how to plan for and design an Operations Manager Management Group.

### Lessons

- Overview of Operations Manager
- Overview of Key Features in Operations Manager
- Overview of Core Components and Topology
- Addressing Cloud and Datacenter Issues by Using Operations Manager
- Planning and Sizing System Center 2012 R2 Operations Manager

Lab : Using the System Center 2012 Operations Manager Sizing Helper Tool

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

## Lessons

- Overview of Security Considerations
- Designing the Management Group
- Installing System Center 2012 R2 Operations Manager
- Configuring Operations Manager Default Settings
- Deploying the Operations Manager Agent
- Configuring Agentless Exception Monitoring (AEM)
- Configuring Audit Collection Services

Lab : Installing System Center 2012 R2 Operations Manager and Deploying Agents

Module 3: Upgrading Operations Manager In this module we will cover the upgrade order that should be applied when you upgrade to System Center 2012 Operations Manager.

## Lessons

- Overview of 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 Manage

## Module 4: Configuring Fabric and Application Monitoring

### Lessons

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

Lab : Configuring Application and Fabric Monitoring

## Module 5: Application Performance Monitoring

### Lessons

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

Lab : Monitoring .NET Framework Applications

Module 6: End to End Service Monitoring In this module you will learn how you can create synthetic transactions to measure end-user performance.

### Lessons

- Management Pack Templates
- Distributed Application Models

- Global Service Monitor
- Real-time Visio Dashboards

Lab : Configuring End to End Service Monitoring

Module 7: Scorecards, Dashboards and Reporting

Lessons

- 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

Module 8: Configuring and Customizing the Console This module describes how to configure these and send email alerts to key teams.

Lessons

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

Lab : Customizing the Operations Console

Module 9: Management Pack Authoring

Lessons

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

Lab : Authoring Management Packs

Module 10: Integrating Operations Manager with Other System Center Components In this module, you will learn several key features of other System Center

## Wichtige Hinweise

MOC On Demand Trainings sind original Microsoft Trainings, in denen Sie zeit- und ortsungebunden lernen können. Diese Trainings enthalten:

- Zugang zum offiziellen Microsoft Video on Demand Kurs für 90 Tage ab dem ersten Zugriff.
- Einen Lab-Online-Zugang für praktische Übungen, der ab Kauf 6 Monate gültig ist.
- Eine originale MOC Schulungsunterlage in digitaler Form, wie sie auch in den Live-Trainings eingesetzt wird.

Weitere Details entnehmen Sie unserer MOC On Demand Landingpage unter [www.tuv.com/Microsoft](http://www.tuv.com/Microsoft)

## Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/29440> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang
- Persönliches Kundenkonto
- Gleichzeitige Buchung für mehrere Teilnehmer:innen

Alternativ können Sie das Bestellformular verwenden, um via Fax oder E-Mail zu bestellen.