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**Cloud &
Datacenter
Monitoring with
System Center
Operations
Manager**

5 DAYS

Get hands-on instruction and practice implementing infrastructure and application monitoring with System Center 2012 R2 Operations Manager in this 5-day Microsoft Official Course. System Center 2012 R2 Operations Manager provides infrastructure monitoring that is flexible and cost-effective, helps ensure the predictable performance and availability of vital applications, and offers comprehensive monitoring for your datacenter and cloud, both private and public. You will learn the skills you need to proactively monitor and respond to server and service availability, low performance, and security issues for servers in the datacenter. You will learn key Operations Manager concepts such as Management Packs (including authoring Management Packs), Overrides, and Distributed Application Models.

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 Datacenter Issues by Using Operations Manager
- Planning and Sizing System Center 2012 R2 Operations Manager

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

- 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

Module 3: Upgrading Operations Manager

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