



DATA SHEET

System Center Operations Manager 2007 R2: Advanced

This workshop is designed for organizations that are interested in deepening the knowledge and expertise of their Operations Manager administrators.

The **System Center Operations Manager 2007 R2 4-day WorkshopPLUS** course provides participants with a deep understanding of System Center Operations Manager 2007 R2 and the many ways in which it can help them monitor their infrastructure. The workshop provides a technical drill-down into various aspects of the Ops Mgr technology, with a strong emphasis on hands-on labs.

Upon successful completion of this workshop, participants will have the confidence to take control of their Operations Manager 2007 infrastructure and to extend its monitoring reach. Their improved understanding and expertise will allow them to react to their Enterprise business's requirements with greater confidence and speed.

This workshop contains Level 300-400 content. Please review the target-audience information and contact your Microsoft Services representative to ensure that this workshop is appropriate to the student's experience and technical expertise.

WorkshopPLUS Benefits

Incoming Assessment to baseline knowledge. It is important for students to get feedback on how much they have learned during the WorkshopPLUS course. To accomplish that end, the Incoming Assessment measures what students know at the beginning of the course. This 25-question assessment was developed by a team of subject matter experts at Microsoft.

Outgoing Assessment to measure knowledge transfer. Students like to know how much they learned as a result of the training. At the end of the WorkshopPLUS course, students compare their Incoming and Outgoing results. In addition, the instructor reviews the questions and discusses the answers in detail to ensure that students understand the concepts. (Note: Individual results of the Incoming and Outgoing Assessment are not provided to management.)

Action Planning Exercises to take workshop-acquired knowledge and apply them to the workplace. Applying new knowledge to the real world is key to getting the most value out of your training budget. The purpose of the Action Planning Exercises is to identify key problems or proactive opportunities in your workplace — and then to use the skills learned in this course to develop real-world action plans.

Technical Highlights

The **System Center Operations Manager 2007 R2** workshop provides participants with the skills and techniques that will help them perform the following tasks:

- Architecting and Designing an Ops Mgr deployment
- Securing Ops Mgr
- Implementing Best Practices on common Management Packs
- Monitoring Cross Platform servers and SNMP devices
- Monitoring Client and Distributed Applications
- Using PowerShell and Scripting
- Implementing Notification
- Reporting and Creating Custom Reports
- Implementing Audit Collection Services
- Troubleshooting and Disaster Recovery techniques

Target Audience

To ensure the high-quality knowledge transfer expected by the attendees of this three-day workshop, class size is limited to a maximum of 16 students and is targeted at Operations Manager administrators who are responsible for maintaining the Operations Manager infrastructure and for ensuring the ongoing availability of the Operations Manager service itself. Students should meet the following criteria:

- One year's experience in day-to-day Operations Manager 2007 administration
- Prior knowledge of Management Packs

Syllabus

This workshop runs a FULL 4 days. Students should anticipate consistent start and end times for each day. Early departure on any day is not recommended.

Incoming Assessment. Students take a 25-question quiz that measures their baseline knowledge.

Module 1: Operations Manager 2007: Major Concepts.

Describes fundamental Ops Mgr concepts such as Model-Based Design, Monitors, Rules, Tasks, Health States and Management Packs.

Module 2: Architecture and Design. Describes Ops Mgr Databases and Server Components., Agent Functions, Network Data Flows, Consoles, Infrastructure, Mapping Requirements to a Management Group Design, Validating a Design, and Common Customer Deployments.

Module 3: Security. Focuses on Ops Mgr Required Accounts, Database Security, Role Based Security, "Run As" Execution, Security Principles, Certificate Authentication, Gateway Servers, and Using certificates.

Module 4: Active Directory, SQL Server, SMS, and Exchange Management Packs. Covers Best Practices for Configuring and Tuning Active Directory, SQL, Configuration Manager, and Exchange Management Packs.

Module 5: Monitoring UNIX servers and SNMP Devices. Discusses Cross-Platform Architecture, Configuring Cross-Platform Monitoring, Monitoring UNIX and Linux with Cross-Platform Management Packs, Syslog Monitoring, and SNMP Monitoring.

Module 6: Client and Distributed Application Monitoring. Covers how to Design and Manage Distributed Applications, Templates, Monitoring .NET Web Application and Synthetic Transactions, Authoring and Monitoring Service Level Tracking, and using the Service Level Dashboard.

Module 7: PowerShell, Scripting, and Management Pack Development. Covers Windows PowerShell features, how to apply PowerShell utilities for Discovery and Object Manipulation, commands for Transformation and Output, and the Ops Mgr command shell. Also covers Scripting topics such as Creating a runtime script, Testing a script, using Scripts in Management Packs, and Scripting Best Practices.

Module 8: Notification. Introduces Notification and Notification Workflow. Focuses on Configuring Notifications (Enabling Notification Channels, Creating Notification Subscribers and Subscriptions). Also covers Extending Notifications using the Update Alert history Tool, and Notifications Test Tool.

Module 9: Reporting and Creating Custom Reports. Covers fundamentals of Ops mgr Reporting features, Creating and Customizing Reports, Data Writing and the Write Action Module, Data Synchronization, Data Aggregation, the Smart Header and examines when to use Custom versus Standard Reports.

Module 10: Audit Collection Services. Covers ACS Planning and Deployment, Administration, Database Partitioning, Reporting, and Recovery.

Module 11: Troubleshooting and Disaster Recovery. Explains Operations Manager Component Troubleshooting, Ops Mgr Performance, and Ops Mgr Disaster Recovery topics.

Outgoing Assessment. Students complete the quiz again and compare Incoming and Outgoing results to measure knowledge transfer.

Action Planning Exercises. Students develop Action Plans to improve real-world situations and/or implement proactive measures.