



HP Education Services Course Overview

HODM6S - 55004A - Installing and Configuring System Center 2012 Operations Manager

This five-day instructor-led course provides students with the knowledge and skills to install and configure System Center 2012 Operations Manager. In addition this class will prepare the student for managing their 2012 Operations Manager infrastructure.

Audience

This course is intended for IT professionals with basic Windows Server, Active Directory and network configuration and management experience.

Prerequisites

This course requires that student meet the following prerequisites, including that they have:

- Familiarity with PC hardware and devices.
- Experience supporting Windows-based systems.
- Basic experience authoring and editing batch and script files.
- Experience reviewing Windows application and service logs.
- Experience configuring or supporting distributed application environments.
- Working knowledge of Windows Server 2008 operating system and network configuration.
- Working Knowledge of Active Directory.

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Course description

After completing this course, students will be able to:

- Install Operations Manager 2012 and configure global and Management Server specific settings.
- Utilize Resource Pools for high availability.
- Navigate the Operations Manager Console and Web Console.
- Perform both automated and manual agent installation on managed systems.
- Import and export management packs.

Course title:	HODM6S - 55004A - Installing and Configuring System Center 2012 Operations Manager
Category/Subcategory:	Microsoft
Course length:	5 Days
Delivery language:	English
To order:	You can register your interest for this course online at http://www.hp.com.au/education . At the site, select the course under Virtualization portfolio and you will see dates for the course. Register your interest for the date of your choice.

- Configure Rules, Events, Monitors and Tasks.
- Configure Reporting and create reports.
- Monitor workstations and servers using Agentless Monitoring and Agentless Exception Monitoring.
- Configure and manage Audit Collection Services.
- Create Synthetic Transactions.
- Create Distributed Applications.
- Multi-home an agent.
- Configure a Gateway server for monitoring untrusted environments.
- Configure communication between management groups.
- Migrate from Operations Manager 2007 to 2012 Operations Manager.

Detailed course outline

Module 1: Overview of System Center 2012 Operations Manager

This module gives the student a high-level view of System Center 2012 Operations Manager. Students new to the value of SCOM will learn about its benefits. Students familiar with SCOM 2007 will also benefit with an introductory look at the changes manifested in SCOM 2012.

Module 2: Installing the 2012 Operations Manager Infrastructure

This module explains how Active Directory and SQL Server 2008 R2 integrate with and support System Center 2012 Operations Manager. In addition this module allows students the opportunity to plan deployment of SCOM and do a SCOM install in a virtual environment which simulates what is often seen in today's enterprises.

Module 3: Navigating Operations Manager

This module introduces students to the System Center 2012 Operations Manager Console and Web Console. Each workspace will be accessed and students will see how changes in security settings affect the available workspaces and views. In addition the capabilities of the Web Console will be covered.

Module 4: Global Management Group Settings and Notifications

This module covers the creation and value of Management Groups. In addition Resource Pools will be demonstrated as a way to provide for high availability. Applying Global Management Group settings and Management Server specific settings used to override Global settings can allow for more customized System Center 2012 Operations Manager deployments. Finally Notifications will be used to ensure that those information technology professionals tasked with maintaining the enterprise systems have real time access to anomalous conditions.

Module 5: Installing and Configuring Agents

This module explains the prerequisites for installing Agents on systems to be managed and the settings which allow Agents to report on and make changes to these systems. Students will learn about different methods for deploying Agents and the preferred methods based on different scenarios.

Module 6: Management Packs

This module explains how Management Packs can be used to more granularly monitor events throughout the organization. Learning to import, export and author of Management Packs will improve the student's ability to fully utilize the capabilities of System Center 2012 Operations Manager.

Module 7: Operations Manager Monitoring

This module explains how to utilize System Center 2012 Operations Manager for its core purpose, monitoring systems. Unit monitors, aggregate rollup monitors and dependency rollup monitors will be covered. Also included are the many new network monitoring features.

Module 8: Monitoring without Agents

For systems which do not, or cannot have, agents installed, this module explains how to use Agentless Monitoring to gather basic information. For access to crash information and related Windows Error Reporting data students will work with Agentless Exception Monitoring.

Module 9: Operations Manager Reporting

This module explains how to use SQL Reporting Services and System Center 2012 Operations Manager Reporting to create reports either on demand or in a scheduled approach.

Module 10: Operations Manager Audit Collection Services

This module explains how Audit Collection Services allows for overall improvement in information security by gathering, filtering, analyzing and reporting on security log information from throughout the organization. The module also covers how ACS can be used in a non-homogeneous environment.

Module 11: Synthetic Transactions

This module explains how Synthetic Transactions are used to check for reactions to changes in demand on system resources. Students will create Synthetic Transactions, associate Watcher Nodes and view response information.

Module 12: Distributed Applications

This module explains how to use the power of Distributed Applications to monitor not just a system, but rather all of the infrastructure components necessary for Line of Business applications to function reliably. Students will see a big picture view of how applications, systems and network devices work together to insure consistent behavior.

Module 13: Monitoring Complex Environments

This module explains how to use multihoming to allow systems to be managed by more than one Management Group. The benefits and potential issues related to multihoming will also be discussed. In addition the module covers how to gather information from other untrusted environments via Gateway Servers.

Module 14: Backup and Disaster Recovery

This module enables students to plan, perform and secure backups of System Center 2012 Operations Manager information. Database backups, although not necessarily directly backed up by System Center 2012 Operations Manager methods, will be touched upon. Finally students will learn best practices for recovery from SCOM failures.

For more information

To locate contact information and to learn more about education services, please visit our web site at <http://www.hp.com.au/education>.

