

Operations Management Suite: Managing Private, Public and Hybrid Clouds



WorkshopPLUS

Target Audience:

This WorkshopPLUS covers cloud and datacenter management with the Microsoft Operations Management Suite, including log analytics and security and compliance, Azure Automation and Azure Backup. It is targeted at the IT staff who have already started (or about to start) designing and implementing the Operations Management Suite for cloud and datacenter.

The WorkshopPLUS will not cover the basic concepts and know-how of Windows Server, networking, Microsoft Azure, and PowerShell. Attendees are expected to possess this knowledge.

Overview

The Operations Management Suite: Managing Private, Public and Hybrid Clouds WorkshopPLUS provides students with the knowledge required to plan, design, implement, and administrate Operations Management Suite (OMS) spanning on-premises and public cloud. The WorkshopPLUS provides a technical drill-down into log analytics, security and compliance, Azure Automation, and Azure Backup, including integration scenarios between Operations Management Suite features and services in the local datacenter.

Key Features and Benefits

Each group of modules is organized by scenario, and is designed to provide participants with the expertise, tools, and hands-on experience to better design, install, implement, and administrate the Operations Management Suite service.

Technical Highlights

After completing this course, you will be able to:

- Understand the architecture of Operations Management Suite.
- Design, implement, and administrate an Operations Management Suite environment.
- Manage and Protect your datacenter using Operations Management Suite.
- Report and visualize the data stored in various data sources and make use of the datacenter BI to develop it.
- Troubleshoot and investigate problems.

Syllabus

Hardware

Requirements:

Lab environments for this course are generally hosted in the cloud.

Labs delivered on computers within the classroom must meet or exceed the following:

- *Windows 8.1 or Windows Server 2012 R2 Hyper-V*
- *Intel Core i5-class processor with at least four cores (eight cores recommended)*
- *USB 3.0 support*
- *24 GB RAM*
- *200 GB HDD*
- *19 inches monitor (dual monitor configuration recommended)*

Additional

Requirements:

- *Fast and reliable internet connectivity.*
- *Microsoft Azure Subscription (Azure Subscription Promotional Codes could be provided if necessary.)*

This workshop runs for **three** full days. Students should anticipate consistent start and end times for each day. Early departure on any day is not recommended.

Module 1: Introducing Operations Management Suite: This module provides an overview of the suite.

Module 2: On-boarding Connected Sources: This module details how to on-board windows servers, Linux servers and Azure storage.

Module 3: OMS Data Sources: This module explains how to collect data into OMS including custom logs, custom fields and using the Data Collector API for extensibility.

Module 4: Log Search Syntax: This module covers using Log Searches to extract data.

Module 5: Analyzing Data: This module shows how to visualize the data in OMS and Power BI.

Module 6: Azure and OMS: This module introduces Azure and using OMS within the Azure portal.

Module 7: Protection and Recovery: This module covers Azure Backup and Azure Site Recovery.

Module 8: Insight and Analytics: This module explains how to implement a selection of OMS Solutions including active directory and SQL assessments, wire data and service map.

Module 9: Security and Compliance: This module shows how to leverage OMS to assess security posture and implement security baselines.

Module 10: Automation and Control: This module explains the basic concepts of Azure Automation and shows how to integrate OMS alerts into Azure automation Runbooks. It also covers the update management solution and the change tracking solution.