

# System Center 2012 Virtual Machine Manager (SCVMM) — Implementation and Management



## Workshop *PLUS*

*Learn how to effectively implement and manage System Center 2012 Virtual Machine Manager in the virtualized datacenter.*

### **Target Audience:**

*To ensure the high-quality knowledge transfer expected by attendees of this **three-day** workshop, class size is limited to a maximum of 16 students who meet the following criteria:*

- *Familiarity with hypervisors, datacenter concepts (networking, storage) and Hyper-V experience is recommended.*

## Overview

The Implementing and Managing System 2012 Center Virtual Machine Manager (SCVMM) Implementation and Management workshop is a three-day delivery that provides students with the knowledge to effectively implement and manage Virtual Machine Manager. Virtual Machine Manager is no longer just a virtualization management solution; but also offers the ability to setup, provision and manage private Clouds.

### Key Features and Benefits

The Implementing and Managing Virtual Machine Manager workshop is an advanced level course that covers all key components of the Virtual Machine Manager product. These components are reinforced with the students through demonstrations and hands on labs where the students can practice during the workshop.

### Technical Highlights

After attending this workshop, students will be able to:

- Implement Virtual Machine Manager in either standalone or highly available setups.
- Implement and manage private Cloud fabrics with features like:
  - Life cycle management
  - Network management
  - Storage management
- Troubleshoot effectively due to increased knowledge of the product.

# Syllabus

## **Hardware**

### **Requirements:**

*Contact your TAM if the necessary hardware needs to be provided.*

*If you are attending an Open enrollment workshop, the hardware will be provided for you.*

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: Overview:** Overview of the Virtual Machine Manager product.

**Module 2: Security:** Creating and managing user roles, Run As accounts and Distributed Key Management.

**Module 3: Installing VIRTUAL MACHINE MANAGER:** Installing Virtual Machine Manager in standalone or highly available setups.

**Module 4: Virtual Machine Manager Console:** Getting familiar with the Virtual Machine Manager console and its new features.

**Module 5: Fabric Management:** Implementing and managing the fabric, including adding hypervisor hosts, network definitions, and storage integration. This module also covers fabric updates, Dynamic Optimization and Bare Metal deployments.

**Module 6: Cloud Management:** How and why to implement a Private Cloud?

**Module 7: Service Management:** Deploying services in VIRTUAL MACHINE MANAGER.

**Module 8: Troubleshooting:** How to troubleshoot VIRTUAL MACHINE MANAGER.

**Module 9: Backup and Restore:** How to perform a backup and restoration of VIRTUAL MACHINE MANAGER.