

10981AC

**Infrastructure  
Provisioning  
with System  
Center Virtual  
Machine  
Manager**

**5 DAYS**

Get professional, experienced instruction and hands-on practice configuring and managing datacenter and cloud virtualization and infrastructure using System Center 2012 R2 Virtual Machine Manager in this 5-day Microsoft Official Course. This course will cover managing, maintaining and provisioning virtualization and infrastructure services in a Windows Server 2012 and Windows Server 2012 R2 environment using System Center 2012 R2 Virtual Machine Manager. Although there is some cross-over of skills and tasks across these courses, this course primarily covers the advanced and enterprise-level technologies and solutions available with System Center 2012 R2 Virtual Machine Manager.

#### **Module 1: Overview of Hyper-V and Virtual Machine Manager**

Overview of Hyper-V  
Overview of Virtual Machine Manager

#### **Module 2: Configuring High Availability for Virtual Machine Manager and Hyper-V**

Clustering requirements for Virtual Machine Manager  
Configuring SQL AlwaysOn for the Virtual Machine Manager Database  
Hyper-V Host Clustering

#### **Module 3: Updating Virtual Machine Manager and Fabric Servers**

Understanding the Servicing Order for System Center  
Performing the manual update process in Virtual Machine Manager  
Patching the Virtual Machine Manager Fabric with Windows Server Update Services

#### **Module 4: Configuring Networking in Virtual Machine Manager**

Overview of Networking in Virtual Machine Manager  
Logical Networks  
Uplink and Virtual Port Profiles  
Logical Switches  
Virtual Machine Networks  
Software Defined Networking (optional)

#### **Module 5: Configuring Storage in Virtual Machine Manager**

Storage options available in Hyper-V and Virtual Machine Manager  
Understanding Storage in Virtual Machine Manager  
What Storage will be managed  
Configuring and Managing Storage in Virtual Machine Manager

## Module 6: Managing Clouds in Virtual Machine Manager

Introduction to Clouds

Creating and Managing a Private Cloud in Virtual Machine Manager

Working with User Roles in Virtual Machine Manager

## Module 7: Configuring and Managing the Virtual Machine Manager Library and Library Objects

Overview of the Virtual Machine Manager Library

Managing Libraries

## Module 8: Preparing the Windows Operating System for deployment in Virtual Machine Manager

Preparing a Windows Operating System

Virtual Machine Architecture

Preparations required for Bare Metal deployments of Hyper-V and Scale-out File Servers

## Module 9: Virtual Machine and Service Templates

Overview of Virtual Machine Templates

Overview of Service Template Templates

## Module 10: System Center Integration

Monitoring the Virtual Machine Manager environment with Operations Manager

Automation with Orchestrator

## Module 11: Windows Azure Pack

Overview of Windows Azure Pack

Deploying Windows Azure Pack

Configuring Windows Azure Pack

Windows Azure Pack Tenant Experience

## Module 12: Azure Site Recovery

Overview of Azure Site Recovery

Configuring and using Azure Site Recovery