

5 Days

10215A: Implementing and Managing Microsoft Server Virtualization

Implementing and Managing Microsoft® Server Virtualization is training course that will guide you to instill deploying and managing skills which are required for a server virtualization environment using Microsoft technologies.

This course will provide you with the details for deploying and managing Hyper-V and Remote Desktop Services on Windows Server 2008 R2. Also the details for managing a server virtualization environment by using System Center products such as System Center Virtual Machine Manager (VMM) 2008, SCVMM 2008 R2, System Center Operations Manager 2007 R2, System Center Data Protection Manager 2007 R2, and System Center Configuration Manager 2007 R2.

Objectives:

You should be able to meet the following objectives after the completion of this course:

- Clone virtual machines.
- Configure System Center Operations Manager integration.
- Configure the Remote Desktop Gateway.
- Configure VMM user roles.
- Describe when and how to use virtual machine checkpoints.
- Implement the Remote Desktop Virtualization Host.
- Install the Hyper-V Server Role.
- Manage Hyper-V settings and virtual networks.
- Monitor and manage jobs in VMM 2008 R2s.
- Plan for the implementation of the Hyper-V™ server role.

Course Details

Course Outline

Module 1: Evaluating and Planning for Virtualization

Module 2: Installing and Configuring the Hyper-V Server Role

Module 3: Creating and Configuring Virtual Hard Disks and Virtual Machines

Module 4: Integrating System Center Virtual Machine Manager with Microsoft Hyper-V Server 2008 R2

Module 5: Creating and Deploying Virtual Machines Using System Center Virtual Machine Manager 2008 R2

Module 6: Managing Virtual Machines Using Virtual Machine Manager 2008

Module 7: Configuring and Managing the VMM Library

Module 8: Configuring User Roles and the Virtual Machine Manager Self-Service Portal

Module 9: Implementing High Availability for Server Virtualization

Module 10: Maintaining Software Updates Using the Offline Virtual Machine Servicing Tool

Module 11: Monitoring and Reporting Virtualization

Module 12: Backup and Restore Strategies for Virtual Machines

Module 13: Desktop Virtualization Using Remote Desktop Services

Module 14: Extending Remote Desktop Services Outside the Organization

Who Should Attend

- Microsoft® Windows Server® 2008 system administrators

Pre Requisite

The students must fulfill the following prerequisites to be eligible for this course:

- Perform server administrator tasks responsible for building and maintaining a virtualization infrastructure.
- Work or consult for a midsize to the enterprise-size organization.
- Have a basic understanding of server virtualization concepts related to Microsoft or other third-party virtualization technologies.
- Support production, development, testing, business continuity, classroom, or hosting environments based on Windows Server 2008 technology.
- Understand a Windows-based network, including Active Directory® directory service.
- Understand storage technologies, such as Storage Area Network (SAN) including Internet small computer system interface (iSCSI), Fiber Channel, and Direct Attached Storage (DAS).
- Understand Windows Server 2008 failover clustering.

Exams

Microsoft Certified Professional (MCP) []

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