



MS6331A – Deploying and Managing Microsoft System Center Virtual Machine Manager

Objectif After completing this course, students will be able to: Identify installation prerequisites and requirements for VMM, select secure settings for VMM installations; and install VMM management packs. Describe prerequisites for installing the Administrator Console; configure the Windows Firewall for the VMM Administrator Console; and configure managed hosts. Describe prerequisites for the VMM Self-Service Portal; configure IIS to support the Self-Service Portal; and install the Self-Service Portal. Configure host server hardware to support VMs. Add VM hosts to VMM; install the VMM agent; add VMWare servers to VMM; and create filters. Configure delegated administration; set host or group permissions; and configure VMM settings to support a test environment. Configure access to the VMM Self-Service Portal; configure quotas on the VMM Self-Service Portal; and self-provision VMs using the VMM Self-Service Portal. Add a VMM library including library shares and library servers and manage the contents of VMM library shares. Deploy VMs using multiple methods; and use Intelligent Placement to deploy VMs. Identify considerations for SAN VM migrations; perform a Quick Migration; and use Intelligent Placement to move a VM. Convert a physical computer to a VM. Convert other VM formats to Hyper-V VMs using VMM. Describe considerations for configuring host clustering and describe procedures for configuring host clustering. Describe considerations for configuring guest clustering and describe procedures for configuring guest clustering. Identify scenarios where VMM Checkpoints may be used to meet operational requirements and create a VM Checkpoint. Describe considerations for patch management using System Center Configuration Manager (SCCM) and deploy patches using WSUS. Describe and configure SCOM reporting. Use SCOM to select potential virtualization targets based on workload and performance characteristics. Describe considerations for monitoring host server utilization; measure and analyze host server utilization; and identify important considerations in growth planning. Monitor and manage the progress of VMM jobs. Locate failed jobs and recover failed jobs.

Pré requis Before attending this course, students must have technical knowledge and skills in the following areas: Windows Server 2000/2003 System Administration. Basic understanding of System Center Virtual Machine Manager (VMM) (optional). Server Virtualization using Virtual Server 2005, Virtual PC, or VMWare. Operating knowledge of System Center Operations Manager 2007

Durée 3 days

Contenu

Module 1: Installing System Center Virtual Machine Manager

- Installing System Center Virtual Machine Manager Server Components
- Installing the VMM Administrator Console
- Installing the VMM Self-Service Portal

Module 2: Configuring VM Hardware, Hosts, and User Roles

- Adding Hosts to VMM
- Configuring Hardware
- Configuring VMM Settings
- Managing VMM Security

Module 3: Configuring the VMM Self-Service Portal and Library

- Configuring the VMM Self-Service Portal
- Maintaining a VMM Library
- Managing Library Files

Module 4: Deploying and Managing VMs

- Deploying VMs
- Moving VMs Between Hosts

Module 5: Converting from Physical or Virtual Platforms

- Converting Physical Computers to Virtual Machines
- Migrating Virtual Machines to Hyper-V

Module 6: Deploying Highly Available VMs

- Introducing Virtual Machine High Availability
- Deploying Host Clustering
- Deploying Guest Clustering

Module 7: Managing Virtual Machine Checkpoints and Updates

- Managing Virtual Machine Checkpoints
- Managing Virtual Machine Updates



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MS6331A – Deploying and Managing Microsoft System Center Virtual Machine Manager (suite)

Module 8: Implementing Monitoring and Reporting

- Integrating System Center Operations Manager
- Performance and Resource Optimization
- Planning and Managing Hyper-V

Module 9: Monitoring and Troubleshooting Jobs

- Monitoring Jobs
- Troubleshooting and Repairing Jobs