

Course 20409 Server Virtualization with Windows Server Hyper- V and System Center

Module 1: Evaluating the Environment for Virtualization

- ✓ Overview of Microsoft Virtualization
- ✓ Overview of System Center 2012 R2 Components
- ✓ Evaluating Current Environment for Virtualization
- ✓ Extending Virtualization to the Cloud Environment

Module 2: Installing and Configuring the Hyper-V Role

- ✓ Installing the Hyper-V Role
- ✓ Managing Hyper-V
- ✓ Configuring Hyper-V Settings
- ✓ Hyper-V Host Storage and Networking

Module 3: Creating and Managing Virtual Hard Disks, Virtual Machines, and Checkpoints

- ✓ Creating and Configuring Virtual Hard Disks
- ✓ Creating and Configuring Virtual Machines
- ✓ Installing and Importing Virtual Machines
- ✓ Managing Virtual Machine Checkpoints
- ✓ Monitoring Hyper-V
- ✓ Designing Virtual Machines for Server Roles and Services

Module 4: Creating and Configuring Virtual Machine Networks

- ✓ Creating and Using Hyper-V Virtual Switches
- ✓ Advanced Hyper-V Networking Features
- ✓ Configuring and Using Hyper-V Network Virtualization

Module 5: Virtual Machine Movement and Hyper-V Replica

- ✓ Providing High Availability and Redundancy for Virtualization
- ✓ Implementing Virtual Machine Movement
- ✓ Implementing and Managing Hyper-V Replica

Module 6: Implementing Failover Clustering with Hyper-V

- ✓ Overview of Failover Clustering
- ✓ Configuring and Using Shared Storage
- ✓ Implementing and Managing Failover Clustering with Hyper-V

Module 7: Installing and Configuring System Center 2012 R2 Virtual Machine Manager

- ✓ Integrating System Center and Server Virtualization
- ✓ Overview of VMM
- ✓ Installing VMM
- ✓ Adding Hosts and Managing Host Groups

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Module 8: Managing the Networking and Storage Infrastructure in System Center 2012 R2 Virtual Machine Manager

- ✓ Managing Networking Infrastructure
- ✓ Managing Storage Infrastructure
- ✓ Managing Infrastructure Updates

Module 9: Creating and Managing Virtual Machines by Using Microsoft System Center 2012 R2 Virtual Machine Manager

- ✓ Virtual Machine Management Tasks in VMM
- ✓ Creating, Cloning, and Converting Virtual Machines
- ✓ Overview of Virtual Machine Updating

Module 10: Configuring and Managing the Microsoft System Center 2012 R2 Virtual Machine Manager Library and Library Objects

- ✓ Overview of the Virtual Machine Manager Library
- ✓ Working With Profiles and Templates

Module 11: Managing Clouds in Microsoft System Center 2012 R2 Virtual Machine Manager

- ✓ Introduction to Clouds
- ✓ Creating and Managing a Cloud
- ✓ Working With User Roles in Virtual Machine Manager

Module 12: Managing Services in Microsoft System Center 2012 R2 Virtual Machine Manager and App Controller

- ✓ Understanding Services in VMM
- ✓ Creating and Managing Services in VMM
- ✓ Using App Controller

Module 13: Protecting and Monitoring Virtualization Infrastructure

- ✓ Overview of Backup and Restore Options for Virtual Machines
- ✓ Protecting Virtualization Infrastructure by Using DPM
- ✓ Using Operations Manager for Monitoring and Reporting
- ✓ Integrating VMM with Operations Manager