



# 6422 Implementing and Managing Windows Server 2008 Hyper-V

Course Outlines

## 6422 Implementing and Managing Windows Server 2008 Hyper-V

Days of Training: 3

### Overview

This three-day instructor-led course teaches students how to implement and manage Windows Server 2008 Hyper-V. It also teaches students how to manage Hyper-V with Solution Center Virtual Machine Manager (SCVMM) and with PowerShell.

### Prerequisites

- Windows Server 2000/2003 System Administration
- Server Virtualization using Virtual Server 2005 or Virtual PC

### At Course Completion

Upon successful completion of this course, students will be able to:

- Install and configure Windows Server 2008 Hyper-V.
- Understand Hyper-V Virtual Networking.
- Create and manage Virtual Machines on the Hyper-V server.
- Monitor the performance of the Hyper-V server.
- Understand how to use existing virtual machines in the Hyper-V server.
- Understand how System Center Virtual Machine Manager (SCVMM) can be used to manage Hyper-V servers.
- Use PowerShell to manage the Hyper-V server.
- Implement a disaster recovery plan for Virtual Machines on Hyper-V.

MS6422A

### Lesson 1: Introduction to Windows Server 2008 Hyper-V

Introducing Windows Server Hyper-V  
Hyper-V Requirements  
Installing the Hyper-V Server Role  
Configure Hyper-V to be Highly Available

### Lesson 2: Configure Hyper-V Settings and Virtual Networks

Configuring Hyper-V Options  
Configuring the Virtual Network

### Lesson 3: Hyper-V Remote Administration

Configuring Hyper-V Remote Administration  
Using Scripting for Hyper-V Administration

### Lesson 4: Creation of Virtual Machines and Virtual Hard Drives

Creating Virtual Hard Drives  
Creating Virtual Machines

### Lesson 5: Virtual Machine Settings, Snapshots, and High Availability

Managing Virtual Machine Settings  
Using Virtual Machine Snapshots  
Configuring Hyper-V for High Availability  
Monitoring Hyper-V Performance

### Lesson 6: Migration of Virtual Machines to Hyper-V

Migrating Legacy Virtual Machines  
Understanding the Impact of Migrated VMs

### Lesson 7: Introduction to System Center Virtual Machine Manager

Introducing System Center Virtual Machine Manager  
Managing Virtual Machines with SCVMM

### Lesson 8: Managing the SCVMM Virtual Machine Image Library and Checkpoints

Using the SCVMM Library  
Managing the Image Library in SCVMM  
Managing Checkpoints

### Lesson 9: PowerShell and Disaster Recovery

Using PowerShell to Manage Hyper-V  
Virtual Machine Backup and Recovery

### New Horizons of Syracuse, NY

Glacier Creek Office Park  
6711 Towpath Road, Suite 100  
East Syracuse, NY 13057  
Phone: 315-449-3290  
Email: info.syracuse@newhorizons.com

Visit our website at:

[www.newhorizonstraining.com](http://www.newhorizonstraining.com)

### New Horizons of Rochester, NY

Calkins Road Business Park  
50 Methodist Hill Drive, Suite 50  
Rochester, NY 14623  
Phone: 585-427-2150  
Email: info.rochester@newhorizons.com