

55021: Configuring and Administering Hyper-V in Windows Server 2012

Course Details

Course Outline

1. Module 1: Planning for Virtualization

- Overview of Microsoft Virtualization
- Assessment of Virtualization Candidates
- Planning for Virtualization
- Lab : Assessing the Environment for Virtualization

2. Module 2: Implementing Server Virtualization with Hyper-V

- Implementing Hyper-V
- Managing Virtual Machine Storage
- Managing Virtual Networks
- Lab : Installing and Configuring the Hyper-V Server Role

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

- Creating and Configuring Virtual Hard Disks
- Creating and Configuring Virtual Machines
- Managing Virtual Machine Snapshots
- Virtual Machine Import
- Lab : Creating Virtual Hard Disks and Virtual Machines

4. Module 4: Configure Networking in Hyper-V

- Advanced features of Virtual Network Adapters
- Hyper-V Network Virtualization
- Hyper-V Extensible Switch
- Lab : Configuring Network Settings

5. Module 5: Scale-up Virtual Machines

- Overview of Scale-up options in Windows Server 2012
- Non-uniform memory access (NUMA)
- Hyper-v Scale Comparison
- Lab : Configuring NUMA

6. Module 6: Hyper-V Replica and Disaster Recovery

- Overview of Hyper-V Replica
- Configuring Hyper-V Replica
- Hyper-V Replica Failover Operations
- Hyper-V Backup
- Lab : Configuring Hyper-V Replica and Backups

7. Module 7: Hyper-V Migration

- Live Migration Overview
- Storage Migration Overview
- Live Migration Security
- Live Migration using SMB
- Lab : Implementing Migration in Hyper-V