OD20417D: Upgrading Your Skills to MCSA Windows Server 2012 MOD

Course Details

Course Outline

1. **Installing and Configuring Windows Server 2012**

   - Installing Windows Server 2012 R2

   - Configuring Windows Server 2012 R2 and Windows Server 2012

   - Configuring Remote Management for Windows Server 2012 R2 and Windows Server 2012

   - Lab : Installing and Configuring Windows Server 2012 R2

2. **Managing Windows Server 2012 by Using Windows PowerShell**

   - Overview of Windows PowerShell

   - Using Windows PowerShell to Manage AD DS

   - Managing Servers by Using Windows PowerShell

   - Lab : Managing Servers Running Windows Server 2012 by Using Windows PowerShell

3. **Managing Storage in Windows Server 2012**

   - Storage Features in Windows Server 2012

   - Configuring iSCSI Storage

   - Configuring Storage Spaces in Windows Server 2012

   - Configuring BranchCache in Windows Server 2012

   - Lab : Managing Storage on Servers Running Windows Server 2012

   - Lab : Implementing BranchCache

4. **Implementing Network Services**

   - Implementing DNS and DHCP Enhancements

   - Implementing IPAM

   - Managing IP Address Spaces with IPAM

   - NAP Overview

   - Implementing NAP

   - Lab : Implementing Network Services

   - Lab : Deploying NAP

5. **Implementing Remote Access**

- Remote Access Overview
- Implementing DirectAccess by Using the Getting Started Wizard
- Implementing and Managing an Advanced DirectAccess Infrastructure
- Implementing VPN
- Lab : Implementing DirectAccess

6. **Implementing Failover Clustering**

- Overview of Failover Clustering
- Implementing a Failover Cluster
- Configuring Highly-Available Applications and Services on a Failover Cluster
- Maintaining a Failover Cluster
- Implementing a Multisite Failover Cluster
- Lab : Implementing Failover Clustering

7. **Implementing Hyper-V**

- Configuring Hyper-V Servers
- Configuring Hyper-V Storage
- Configuring Hyper-V Networking
- Configuring Hyper-V Virtual Machines
- Lab : Implementing Server Virtualization with Hyper-V

8. **Implementing Failover Clustering with Windows Server 2012 R2 Hyper-V**

- Overview of the Integration of Hyper-V Server 2012 with Failover Clustering
- Implementing Hyper-V Virtual Machines on Failover Clusters
- Implementing Windows Server 2012 Hyper-V Virtual Machine Movement
- Implementing Hyper-V Replica
- Lab : Implementing Failover Clustering with Windows Server 2012 Hyper-V

9. **Implementing Secure Data Access for Users and Devices**

- Dynamic Access Control Overview
- Implementing DAC Components
- Implementing DAC for Access Control
- Implementing Access-Denied Assistance
- Implementing and Managing Work Folders
- Lab : Implementing Secure File Access

10. Implementing AD DS

- Deploying AD DS Domain Controllers
- Configuring AD DS Domain Controllers
- Implementing Service Accounts
- Implementing Group Policy in AD DS
- Overview of Windows Azure Active Directory
- Maintaining AD DS
- Lab : Implementing AD DS
- Lab : Troubleshooting and Maintaining AD DS

11. Implementing AD FS

- Overview of AD FS
- Deploying AD FS
- Implementing AD FS for a Single Organization
- Deploying AD FS in a Business-to-Business Federation Scenario
- Implementing Web Application Proxy
- Implementing Workplace Join
- Lab : Implementing AD FS

12. Monitoring and Maintaining Windows Server 2012

- Monitoring Windows Server 2012
- Implementing Windows Server Backup
- Implementing Server and Data Recovery
- Lab : Monitoring and Maintaining Windows 2012 Servers