

5 Days

20417D: Upgrading Your Skills to MCSA Windows Server 2012

The 5-days Microsoft 20417D Upgrading your Skills to MCSA Windows Server 2012 Training course describes the functionalities in Windows Server 2012 and Windows Server 2012 R2, including virtualization, management, access control, storage, identity federation, network infrastructure, and high availability.

Several technologies taught in this course include Windows PowerShell, Active Directory, Storage Spaces, and Internet Small Computer System interface (iSCSI), Hyper-V, implementation of Remote Access solutions such as DirectAccess, VPNs, and Web Application Proxy (WAP).

This course is not a product upgrade course. Rather, this course will update your knowledge with Windows Server 2012, including Windows Server 2012 R2.

Course Details

Course Outline

Module 1: Installing and Configuring Windows Server 2012

This module describes how to install and configure Windows Server 2012.

Lessons

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

Module 2: Managing Windows Server 2012 by Using Windows PowerShell

This module describes how to use Windows PowerShell to manage Windows Server 2012.

Lessons

- Overview of Windows PowerShell
- Using Windows PowerShell to Manage AD DS
- Managing Servers by Using Windows PowerShell

Module 3: Managing Storage in Windows Server 2012

This module describes how to configure storage in Windows Server 2012.

Lessons

- [Configuring iSCSI Storage](#)
- [Configuring BranchCache in Windows Server 2012](#)
- [Configuring Storage Spaces in Windows Server 2012](#)
- [Storage Features in Windows Server 2012](#)

Module 4: Implementing Network Services

This module describes how to configure advanced features for Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP).

Lessons

- [Implementing DNS and DHCP Enhancements](#)
- [Implementing IPAM](#)
- [Managing IP Address Spaces with IPAM](#)
- [NAP Overview](#)
- [Implementing NAP](#)

Module 5: Implementing Remote Access

This module focuses on methods for provisioning remote access with Windows Server 2012.

Lessons

- [Remote Access Overview](#)
- [Implementing VPN](#)
- [Implementing and Managing an Advanced DirectAccess Infrastructure](#)
- [Implementing DirectAccess by Using the Getting Started Wizard](#)

Module 6: Implementing Failover Clustering

This module describes how to provide high availability for network services and applications by implementing Failover Clustering.

Lessons

- [Overview of Failover Clustering](#)
- [Implementing a Failover Cluster](#)
- [Implementing a Multisite Failover Cluster](#)
- [Maintaining a Failover Cluster](#)
- [Configuring Highly-Available Applications and Services on a Failover Cluster](#)

Module 7: Implementing Hyper-V

This module describes how to install and configure Hyper-V virtual machines.

Lessons

- [Configuring Hyper-V Servers](#)

- [Configuring Hyper-V Storage](#)
- [Configuring Hyper-V Networking](#)
- [Configuring Hyper-V Virtual Machines](#)

Module 8: Implementing Failover Clustering with Windows Server 2012 R2 Hyper-V

This module describes how to deploy and manage Hyper-V virtual machines in a failover cluster.

Lessons

- [Integration of Hyper-V Server 2012 with Failover Clustering Overview](#)
- [Implementing Windows Server 2012 Hyper-V Virtual Machine Movement](#)
- [Implementing Hyper-V Replica](#)
- [Implementing Hyper-V Virtual Machines on Failover Clusters](#)

Module 9: Implementing Secure Data Access for Users and Devices

This module describes how to configure secure data access for users and devices.

Lessons

- [Dynamic Access Control Overview](#)
- [Implementing DAC for Access Control](#)
- [Implementing DAC Components](#)
- [Implementing and Managing Work Folders](#)
- [Implementing Access-Denied Assistance](#)

Module 10: Implementing AD DS

This module describes how to implement AD DS in Windows Server 2012.

Lessons

- [Windows Azure Active Directory Overview](#)
- [Implementing Service Accounts](#)
- [Implementing Group Policy in AD DS](#)
- [Configuring AD DS Domain Controllers](#)
- [Maintaining AD DS](#)
- [Deploying AD DS Domain Controllers](#)

Module 11: Implementing AD FS

This module describes how to implement an AD FS deployment.

Lessons

- [AD FS Overview](#)
- [Deploying AD FS](#)
- [Implementing AD FS for a Single Organization](#)

- Implementing Web Application Proxy
- Implementing Workplace Join
- Deploying AD FS in a Business-to-Business Federation Scenario

Module 12: Monitoring and Maintaining Windows Server 2012

This module describes how to monitor and maintain Windows Server 2012.

Lessons

- Monitoring Windows Server 2012
- Implementing Windows Server Backup
- Implementing Server and Data Recovery

Who Should Attend

This course is intended for IT Professionals who have relevant experience working on Windows Server system and are familiar to carry out day to day Windows Server management and maintenance tasks.

The course will advance their skills to Windows Server 2012 and Windows Server 2012 R2.

Pre Requisite

Before attending this course, candidates must have:

- Relevant experience working on Windows Server system in an Enterprise environment

Note: It is possible to take this course without having the qualifying upgradeable certification once the criteria of equivalent knowledge is met.

However, subsequent taking and passing of the 70-417 upgrade exam will not provide the exam taker with the MCSA: Windows Server 2012 credential.

Exams

Upgrading Your Skills to MCSA Windows Server 2012 [70-417]

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