

MCSA: Installation, Storage, and Compute with Windows Server 2016

Course Details:

Target Audience: This course is intended for IT professionals who have some experiencing working with Windows Server, and who are looking for a single course that covers storage and compute technologies in Windows Server 2016. This course will help them update their knowledge and skills related to storage and compute for Windows Server 2016.

Estimated Time to Completion: 70 hours (3 weeks)

Prerequisites: Experience supporting and configuring Windows client operating systems such as Windows 8 or Windows 10. Additionally, students would benefit from having some previous Windows Server operating system experience, such as experience as a Windows Server systems administrator.

Course Delivery: Instructor-led

Course Recognitions: Certificate of Completion.

Recommended Next Course: MCSA: Networking with Windows Server 2016

Course Outline:

- Installing, upgrading, and migrating servers and workloads
- Configuring local storage
- Implementing enterprise storage solutions
- Implementing Storage Spaces and Data Deduplication
- Installing and configuring Hyper-V and virtual machines
- Deploying and managing Windows Server and Hyper-V containers
- Overview of high availability and disaster recovery
- Implementing and managing failover clustering
- Implementing failover clustering for Hyper-V virtual machines
- Implementing Network Load Balancing
- Creating and managing deployment images
- Managing, monitoring, and maintaining virtual machine installations

For more enquiry:

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MCSA: Networking with Windows Server 2016

Course Details:

Target Audience: This course is intended for existing IT professionals who have some networking knowledge and experience and are looking for a single course that provides insight into core and advanced networking technologies in Windows Server 2016. This audience would typically include:

Estimated Time to Completion: 70 hours (3 weeks)

Prerequisites: Experience working with Windows Server 2008 or Windows Server 2012
Experience working in a Windows Server infrastructure enterprise environment
Knowledge of the Open Systems Interconnection (OSI) model
Understanding of core networking infrastructure components and technologies such as cabling, routers, hubs, and switches
Familiarity with networking topologies and architectures such as local area networks (LANs), wide area networks (WANs) and wireless networking. Some basic knowledge of the TCP/IP protocol stack, addressing and name resolution
Experience with and knowledge of Hyper-V and virtualization
Hands-on experience working with the Windows client operating systems such as Windows 8.1 or Windows 10

Course Delivery: Instructor-led

Course Recognitions: Certificate of Completion.

Recommended Next Course: MCSA: Identity with Windows Server 2016

Course Outline:

- Planning and implementing an IPv4 network
- Implementing DHCP
- Implementing IPv6
- Implementing DNS
- Implementing and managing IPAM
- Remote access in Windows Server 2016
- Implementing DirectAccess
- Implementing networking for branch offices
- Configuring advanced networking features
- Implementing software defined networking

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MCSA: Identity with Windows Server 2016

Course Details:

Target Audience: This course is primarily intended for existing IT professionals who have some AD DS knowledge and experience and who aim to develop knowledge about identity and access technologies in Windows Server 2016.

Estimated Time to Completion: 70 hours (3 weeks)

Prerequisites: Some exposure to and experience with AD DS concepts and technologies in Windows Server 2012 or Windows Server 2016. Experience working with and configuring Windows Server 2012 or Windows Server 2016. Experience and an understanding of core networking technologies such as IP addressing, name resolution, and Dynamic Host Configuration Protocol (DHCP). Experience working with and an understanding of Microsoft Hyper-V and basic server virtualization concepts. An awareness of basic security best practices. Hands-on working experience with Windows client operating systems such as Windows 7, Windows 8, Windows 8.1, or Windows 10. Basic experience with the Windows PowerShell command-line interface.

Course Delivery: Instructor-led

Course Recognitions: Certificate of Completion.

Recommended Next Course: MCSA: Securing Windows Server 2016

Course Outline:

- Installing and configuring DCs
- Managing objects in AD DS
- Advanced AD DS infrastructure management
- Implementing and administering AD DS sites and replication
- Implementing Group Policy
- Managing user settings with GPOs
- Securing AD DS
- Deploying and managing AD CS
- Deploying and managing certificates
- Implementing and administering AD FS
- Implementing and administering AD RMS
- Implementing AD DS synchronization with Azure AD
- Monitoring, managing, and recovering AD DS

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MCSA: Securing Windows Server 2016

Course Details:

Target Audience: This course is for IT professionals who need to securely administer Windows Server 2016 networks. These professionals typically work with networks that are configured as Windows Server domain-based environments, with managed access to the internet and cloud services.

Students who seek certification in the 70-744 Securing Windows server exam also will benefit from this course.

Estimated Time to Completion: 70 hours (3 weeks)

Prerequisites: Students should have at least two years of experience in the IT field and should have:

- Completed courses 740, 741, and 742, or the equivalent.
- A solid, practical understanding of networking fundamentals, including TCP/IP, User Datagram Protocol (UDP), and Domain Name System (DNS).
- A solid, practical understanding of Active Directory Domain Services (AD DS) principles.
- A solid, practical understanding of Microsoft Hyper-V virtualization fundamentals.
- An understanding of Windows Server security principles.

Course Delivery: Instructor-led

Course Recognitions: Certificate of Completion.

Course Outline:

- Attacks, breach detection, and Sysinternals tools
- Protecting credentials and privileged access
- Limiting administrator rights with Just Enough Administration
- Privileged access management and administrative forests
- Mitigating malware and threats
- Analyzing activity with advanced auditing and log analytics
- Deploying and configuring Advanced Threat Analytics and Microsoft Operations Management Suite
- Securing application development and server-workload infrastructure
- Secure Virtualization Infrastructure
- Planning and protecting data
- Optimizing and securing file services
- Securing network traffic with firewalls and encryption
- Securing network traffic