

# MCSA: Windows Server 2016

## The skills for your professional career

Prove your mastery of the primary set of Windows Server 2016 skills required to reduce IT costs and deliver more business value. Earning an MCSA: Windows Server 2016 certification qualifies you for a position as a network or computer systems administrator or as a computer network specialist, and it is the first step on your path to becoming a [Microsoft Certified Solutions Expert \(MCSE\)](#).

Step	Title	Required exam
1	Installing and Configuring Windows Server 2016	70-740
2	Administering Windows Server 2016	70-741
3	Configuring Advanced Windows Server 2016 Services	70-742

## Exam 740

- Install, upgrade, and migrate servers and workloads
- Install servers
- Install and configure Nano Server
- Maintain server installations
- Create, manage, and maintain images for deployment
- Configure disks and volumes
- Implement server storage
- Implement data deduplication
- Install and configure Hyper-V
- Configure virtual machine (VM) settings
- Configure Hyper-V storage
- Configure Hyper-V networking
- Deploy Windows containers
- Manage Windows containers
- Implement high availability and disaster recovery options in Hyper-V
- Implement failover clustering
- Implement Storage Spaces Direct
- Manage failover clustering
- Manage VM movement in clustered nodes
- Implement Network Load Balancing (NLB)
- Monitor server installations

## Exam 741

- Create and configure DNS zones and records
- Install and configure DHCP
- Manage and maintain DHCP
- Implement and Maintain IP Address Management (IPAM)
- Implement network connectivity solutions
- Implement virtual private network (VPN) and DirectAccess solutions
- Implement Network Policy Server (NPS)
- Implement IPv4 and IPv6 addressing
- Implement Distributed File System (DFS) and Branch Office solutions
- Implement high performance network solutions
- Determine scenarios and requirements for implementing Software Defined Networking (SDN)

## Exam 742

- Install and configure domain controllers
- Create and manage Active Directory users and computers
- Create and manage Active Directory groups and organizational units (OUs)
- Configure service authentication and account policies
- Maintain Active Directory
- Configure Active Directory in a complex enterprise environment
- Create and manage Group Policy Objects (GPOs)
- Configure Group Policy processing
- Configure Group Policy settings
- Configure Group Policy preferences
- Install and configure AD CS
- Manage certificates
- Install and configure Active Directory Federation Services (AD FS)
- Implement Web Application Proxy (WAP)
- Install and configure Active Directory Rights Management Services (AD RMS)

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