

Microsoft MCSA Windows Server 2016 Package (Certification requires 3 Exams: 70-740 + 70-741 + 70-742)



Course Outline:

Microsoft® Windows Server® 2016: Install, Store, and Compute
(Exam 70-740)

Course Content

Lesson 1: Installing, Upgrading, and Migrating Servers and Workloads

Topic A: Install Windows Server 2016

Topic B: Configure a Full GUI Installation

Topic C: Install Windows Server 2016 Server Core

Topic D: Install Windows Server 2016 Nano Server

Topic E: Upgrade and Migrate to Windows Server 2016

Lesson 2: Configuring Local Storage

Topic A: Manage Disks

Topic B: Manage Volumes

Lesson 3: Implementing Enterprise Storage Solutions

Topic A: Configure Advanced Storage

Topic B: Configure Network File Shares and Services

Lesson 4: Implementing Storage Spaces and Storage Spaces Direct

Topic A: Manage Storage Pools

Topic B: Manage Storage Spaces

Topic C: Configure Storage Spaces Direct

Lesson 5: Installing and Configuring Hyper-V Virtual Machines

Topic A: Select Virtualization Technology

Topic B: Install Hyper-V

Topic C: Configure Hyper-V

Topic D: Manage Virtual Networks

Lesson 6: Deploying and Managing Windows Server and Hyper-V Containers

Topic A: Deploy Containers

Topic B: Install Custom Containers

Topic C: Manage Containers

Lesson 7: Performing Data Deduplication and Windows Server Backup

Topic A: Perform Data Deduplication

Topic B: Back Up and Restore Windows Server

Lesson 8: Implementing and Managing Failover Clustering

Topic A: Set Up Failover Clustering

Topic B: Configure Clusters

Topic C: Manage Clusters

Lesson 9: Implementing High Availability in Hyper-V

Topic A: Configure High Availability and Disaster Recovery Features for Hyper-V VMs

Topic B: Configure Hyper-V for Failover Clustering

Lesson 10: Implementing NLB

Topic A: Install NLB

Topic B: Configure NLB



Lesson 11: Deploying and Maintaining Servers and VMs

Topic A: Deploy OS Images Using WDS

Topic B: Deploy Images Using MDT

Topic C: Update Windows Systems Using WSUS

Topic D: Monitor Windows Server

Microsoft® Windows Server® 2016: Networking (Exam 70-741)

Course Content

Lesson 1: Implementing an IPv4-Based Network

- Topic A:** Identify the TCP/IP Protocol Suite
- Topic B:** Implement IPv4 Addressing
- Topic C:** Implement Subnetting and Supernetting
- Topic D:** Configure and Troubleshoot IPv4

Lesson 2: Implementing IPv6

- Topic A:** Implement IPv6 Addressing
- Topic B:** Implement IPv6 Alongside IPv4
- Topic C:** Transition from IPv4 to IPv6

Lesson 3: Implementing DHCP

- Topic A:** Install the DHCP Server Role
- Topic B:** Manage DHCP Scopes and Database
- Topic C:** Secure a DHCP Server
- Topic D:** Configure Advanced DHCP Settings

Lesson 4: Implementing DNS

- Topic A:** Identify DNS Concepts
- Topic B:** Configure the DNS Server Role
- Topic C:** Configure DNSSEC
- Topic D:** Configure Socket Pool and Cache Locking
- Topic E:** Implement Advanced DNS Settings
- Topic F:** Configure New DNS Features in Windows Server 2016
- Topic G:** Integrate Active Directory and DNS
- Topic H:** Configure Zone Transfers, Delegation, and Conditional Forwarding
- Topic I:** Monitor and Troubleshoot DNS

Lesson 5: Implementing IPAM

- Topic A:** Set Up IPAM

Topic B: Configure IPAM Settings

Topic C: Manage DHCP and DNS Server Settings Using IPAM

Topic D: Implement New IPAM Features in Windows Server 2016

Lesson 6: Configuring Remote Access in Windows Server 2016

Topic A: Install Remote Access

Topic B: Configure Remote Access

Topic C: Configure NPS and RADIUS

Lesson 7: Implementing VPN

Topic A: Install VPNs

Topic B: Configure VPNs

Lesson 8: Implementing DirectAccess

Topic A: Install DirectAccess

Topic B: Configure DirectAccess

Lesson 9: Configuring Branch Office Solutions

Topic A: Configure DFS Namespaces

Topic B: Configure DFS Replication

Topic C: Configure DFS RDC

Topic D: Troubleshoot DFS

Topic E: Configure BranchCache

Lesson 10: Implementing Advanced Networking Features

Topic A: Implement High Performance Network Solutions

Topic B: Set Up Hyper-V Networking

Topic C: Implement Network Printing

Topic D: Configure Windows Firewall

Lesson 11: Implementing Software-Defined Networking

Topic A: Identify Software-Defined Networking Concepts

Topic B: Deploy SDN

Microsoft® Windows Server® 2016: Identity (Exam 70-742)

Course Content

Lesson 1: Configuring DCs

Topic A: Install AD DS

Topic B: Manage AD DS Roles

Lesson 2: Managing Objects in DCs

Topic A: Design an AD DS Hierarchy

Topic B: Configure User Accounts

Topic C: Maintain User Accounts

Topic D: Manage Group Accounts

Topic E: Manage Computers in a Domain

Topic F: Delegate Administrative Tasks

Lesson 3: Managing Advanced AD DS Infrastructure

Topic A: Create Managed Service Accounts

Topic B: Deploy a Read-Only Domain Controller

Topic C: Maintain Active Directory

Lesson 4: Implementing AD DS Sites and Replication

Topic A: Configure Forest and Domains

Topic B: Manage Sites

Topic C: Configure Trusts

Topic D: Manage Replication Settings

Lesson 5: Implementing Group Policy

Topic A: Create GPOs

Topic B: Configure GPOs and Group Memberships

Topic C: Manage Active Directory Group Objects

Topic D: Configure Group Policy Processing

Topic E: Configure a Central Store

Lesson 6: Managing User and Computer Accounts Settings with GPOs

Topic A: Configure User Account Settings

Topic B: Configure Computer Account Settings

Topic C: Edit Computer Preferences in Group Policy

Lesson 7: Securing AD DS

Topic A: Configure Windows Server User Security

Topic B: Configure Windows Server Software Security

Lesson 8: Deploying AD CS

Topic A: Install AD CS

Topic B: Administer AD CS

Topic C: Manage AD CS Certificates

Lesson 9: Administering AD FS

Topic A: Install AD FS

Topic B: Configure AD FS

Topic C: Manage AD FS

Topic D: Implement WAP

Topic E: Configure New AD FS Settings in Windows Server 2016

Lesson 10: Administering AD RMS

Topic A: Install AD RMS

Topic B: Manage AD RMS

Lesson 11: Implementing AD DS Synchronization with Azure AD

Topic A: Manage Azure AD Domain

Topic B: Synchronize Directory with Azure AD