Online
Training & Certification

MCSA
6 to 8 Weeks Training

Free Demo &

MCSA

MCSA stands for Microsoft Certified Solutions Associate. It is an IT Certification program. It is an entry level certification program. Technically, it is an Associate Level training program.

It is like a stepping stone that will lead you towards other (higher) IT certifications. This training program is a vendor issued IT training program. The program is crafted and developed by Microsoft.

Since this is a vendor issued program, the course content revolves around the products owned by the vendor. In this case, the vendor is Microsoft. Thus, the entire program revolves around MS products and services that caters to the needs of IT and its allied fields.

Contents

About the program

Evision offers comprehensive training on the MCSA: Windows Server 2016 (Microsoft MCSA) certification course which is an intermediate level certification that trains candidates to monitor and manage Windows Server 2016 operating system.

100% Job Guarantee OJT program

Evision follows up-to-date On-the-Job training module as an opportunity for candidates where they gain industrial skills and work on real-time industrial solutions on a short duration between 4 to 5 weeks. We ensure guaranteed job in top MNCs like IBM, Wipro, Infosys, HCL, after the successful completion of training. During the internship, candidates get the first-hand experience in the industrial site conditions and get accustomed to the working environment. Providing internship opportunities to a candidate is the way of expressing its intent to hire that candidate and equip them with the necessary skills to perform in their job so as to increase the productivity of companies. Benefits of On-The-Job training for students:

- Enhancing Employability Skills
- The Real-Time work exposure
- Hand's on Experience
- Prepares for the industrial standard level
- Fewer Targets, Low Risks

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About Evision Technoserve

Evision Technoserve is an ISO **(9001:2015)** certified Fast-Growing and Professionally Managed IT Consulting, Manpower Outsourcing and Staffing Recruitment Company with our operation based in **Pune, Bengaluru, Chennai, Hyderabad, Kolkata, Lucknow, Delhi NCR, Noida and Ahmedabad**. Evision has successfully trained and placed **15,500+** IT Fresher's and Professionals in top IT MNCs like **IBM, Wipro, Infosys, HCL Technology, TCS, Tech Mahindra and many other**. We provide **100% Job Placement Guarantee**, whether a candidate is from IT Background or Non-IT background, with best Placement Record to Wipro, IBM and HCL Companies. Anyone who wants to make a career in IT MNCs field, should enroll now in our **On-Job-Training (OJT)** program. During the training, candidates are familiarized with the working environment they will become part of it. Employees also get a hands-on experience through our IT corporate expert having 10+ years of experience. Our training is purely project-based with practical tasks. Evision Latest Network Infrastructure and highly Skill Technical Team provide IT Industry Oriented Training Programs for freshers as well as corporate professionals. Evision offers comprehensive Online Certification programs to train candidate to handle global challenges with the right global knowledge. It is our constant endeavor is to ensure aspiring students have a promising career and know how to balance time with educational training. Our Alumni comes from various corporate giants. Evision is dedicated to assist the fresher in their career journey by providing real-time industrial solution and projects so that candidate got placed in top IT MNCs company with corporate standard of quality, ethics and productivity. All fresher, trained by our corporate expert, behave as a disciplined IT Professional so that they become fit to be a part of modern corporate culture. We Hire, Train and Deliver as per current company requirement. We bridge the gap between what is taught in the academics and what the industry demands. We help clients identify the best-fit talent for roles, across various industries & levels. We get it right the first time so client can focus on their business & growth. The solutions we provide goes hand in hand with integration and delivery through a client intensive relationship-based engagement & global delivery model.

Career Support

SESSIONS WITH CORPORATE EXPERTS
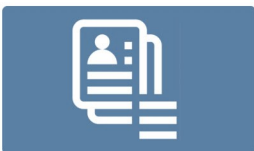Attend sessions from experienced corporate experts and get guidance on how to boost your career growth.

PRE-MOCK INTERVIEWS AFTER EACH SESSION
Mock interviews make you prepare for cracking interviews by top employers of top IT MNCs.

100% GUARANTEED JOB INTERVIEWS & CAREER SUPPORT
Get interviewed by our 250+ hiring partners like IBM, WIPRO, INFOSYS, TCS, HCL.

RESUME PREPARATION VIA OUR TOP HR EXPERTS
Get world-class resume from our career services team that makes you out of the crowd and stay one step ahead.

Why you should take up this course?

Many businesses like IBM, Wipro, Infosys, Accenture are in the hunt for well-equipped IT professionals, who can meet the standards needed in performing the different network, computer, or systems services. This only means that if you get to obtain an MCSA certificate, higher wages await MCSA-certified IT professionals, though this depends on the industry that you wish to get as well as the overall experience obtained. You will have an edge among the other candidates who did not have any.

Who should take up this course?

- Freshers as well as Graduates
- IT professionals
- Computer System Administrator, Network Administrator, Computer Support Specialist
- Anyone who wants to learn networking with Windows Server 2016 operating system

Job After Training

Career options after clearing MCSA certification are:

- System Administrator, Windows Server.
- Systems Administrator.
- System Administrator, pc / Network.
- Information Technology (IT) Manager.

First Paper: - (70-740) Installation, Storage, and Compute with Windows Server 2016

Module 01

Installing, upgrading, and migrating servers and workloads
- Introducing Windows Server 2016
- Preparing and installing Windows Server
- Preparing for upgrades and migrations
- Migrating server roles and workloads
- Windows Server activation models

Lab: Installing and configuring windows Server 2016
- Implementing Windows Server
- Completing post-installation tasks on the windows Server
- Performing remote management

Module 02

Configuring local storage
- Managing disks in Windows Server 2016
- Managing volumes in Windows Server 2016

Lab: Managing disks and volumes in Windows Server 2016
- Creating and managing virtual hard disks by using Windows PowerShell
- Converting virtual hard disks from .vhd to. vhdx
- Resizing a volume

Module 03

Implementing enterprise storage solutions
- Overview of direct-attached storage, network-attached storage, and storage area networks
- Comparing Fibre Channel, iSCSI, and FCoE
- Understanding iSNS, data centre bridging, and MPIO
- Configuring sharing in Windows Server 2016

Lab: Planning and configuring storage technologies and components
- Planning storage requirements
- Configuring iSCSI storage
- Configuring and managing the share infrastructure

Module 04

Implementing Storage Spaces and Data Deduplication
- Implementing Storage Spaces
- Managing Storage Spaces
- Implementing Data Deduplication

Lab: Implementing Storage Spaces
- Creating a storage space
- Enabling and configuring storage tiering

Lab: Implementing Data Deduplication
- Installing Data Deduplication
- Configuring Data Deduplication

Module 05

Installing and configuring Hyper-V and virtual machines
- Overview of Hyper-V
- Installing Hyper-V
- Configuring storage on Hyper-V host servers
- Configuring networking on Hyper-V host servers

- Configuring Hyper-V virtual machines
- Managing Hyper-V virtual machines

Lab: Installing and configuring Hyper-V
- Installing the Hyper-V server role
- Configuring Hyper-V settings
- Creating and configuring a virtual machine
- Managing a virtual machine by using PowerShell Direct

Module 06

Deploying and managing Windows Server and Hyper-V containers
- Overview of containers in Windows Server 2016
- Deploying Windows Server and Hyper-V containers
- Installing, configuring, and managing containers

Lab: Installing and configuring containers
- Installing and configuring Windows Server containers by using Windows PowerShell
- Installing and configuring Windows Server containers by using Docker

Module 07

Overview of high availability and disaster recovery
- Defining levels of availability
- Planning high availability and disaster recovery solutions with Hyper-V virtual machines
- Backing up and restoring the Windows Server 2016 operating system and data by
- using Windows Server B
- High availability with failover clustering in Windows Server 2016

Lab: Planning and implementing a high availability and disaster recovery solution
- Determining the appropriate high availability and disaster recovery solution
- Implementing storage migration
- Implementing Hyper-V Replica

Module 08

Implementing and managing failover clustering
- Planning a failover cluster
- Creating and configuring a new failover cluster
- Maintaining a failover cluster
- Troubleshooting a failover cluster
- Implementing site high availability with stretch clustering

Lab: Implementing a failover cluster
- Creating a failover cluster
- Verifying quorum settings and adding a node

Lab: Managing a failover cluster
- Evicting a node and verifying quorum settings
- Changing the quorum from Disk Witness to File Share Witness, and defining node voting
- Adding and removing disks from the cluster

Module 09

Implementing failover clustering for Hyper-V virtual machines
- Overview of integrating Hyper-V in Windows Server 2016 with failover clustering
- Implementing and maintaining Hyper-V virtual machines on failover clusters
- Key features for virtual machines in a clustered environment

Lab: Implementing failover clustering with Hyper-V
- Configuring a failover cluster for Hyper-V
- Configuring a highly available virtual machine

Module 10

Implementing Network Load Balancing
- Overview of NLB clusters
- Configuring an NLB cluster
- Planning an NLB implementation

Lab: Implementing an NLB cluster
- Implementing an NLB cluster
- Configuring and managing the NLB cluster
- Validating high availability for the NLB cluster

Module 11

Creating and managing deployment images
- Introduction to deployment images
- Creating and managing deployment images by using MDT
- Virtual machine environments for different workloads

Lab: Using MDT to deploy Windows Server 2016
- Installing and configuring MDT
- Creating and deploying an image

Module 12

Managing, monitoring, and maintaining virtual machine installations
- WSUS overview and deployment options
- Update management process with WSUS
- Overview of PowerShell DSC
- Overview of Windows Server 2016 monitoring tools
- Using Performance Monitor
- Monitoring Event Logs

Lab: Implementing WSUS and deploying updates
- Implementing WSUS
- Configuring update settings
- Approving and deploying an update by using WSUS

Lab: Monitoring and troubleshooting Windows Server 2016
- Establishing a performance baseline
- Identifying the source of a performance problem
- Viewing and configuring centralized event logs

2nd Paper: - (70-741) Networking with Windows Server 2016

Module 01

Planning and implementing an IPv4 network
- Planning IPv4 addressing
- Configuring an IPv4 host
- Managing and troubleshooting IPv4 network connectivity

Lab: Planning an IPv4 network
- Planning the IPv4 address assignments

Lab: Implementing and troubleshooting an IPv4 network
- Verifying the IPv4 communication
- Troubleshooting Ipv4

Module 02

Implementing DHCP
- Overview of the DHCP server role
- Deploying DHCP
- Managing and troubleshooting DHCP

Lab: Implementing DHCP
- Planning the DHCP server implementation
- Implementing the DHCP configuration
- Validating the DHCP implementation

Module 03

Implementing Ipv6
- Overview of IPv6 addressing
- Configuring an IPv6 host
- Implementing IPv6 and IPv4 coexistence
- Transitioning from IPv4 to Ipv6

Lab: Configuring and evaluating IPv6 transition technologies
- Reviewing the default IPv6 configuration
- Implementing DHCPv6
- Configuring network integration by using ISATAP
- Configuring native IPv6 connectivity
- Configuring 6to4 connectivity

Module 04

Implementing DNS
- Implementing DNS servers
- Configuring zones in DNS
- Configuring name resolution between DNS zones
- Configuring DNS integration with Active Directory Domain Services (AD DS)
- Configuring advanced DNS settings

Lab: Planning and implementing name resolution by using DNS
- Planning DNS name resolution
- Implementing DNS servers and zones

Lab: Integrating DNS with AD DS
- Integrating DNS with AD DS

Lab: Configuring advanced DNS settings
- Configuring DNS policies
- Validating the DNS implementation
- Troubleshooting DNS

Module 05

Implementing and managing IPAM
- Overview of IPAM
- Deploying IPAM
- Managing IP address spaces by using IPAM

Lab: Implementing IPAM
- Installing the IPAM Server feature
- Provisioning the IPAM Server
- Managing IP address spaces by using IPAM

Module 06

Remote access in Windows Server 2016
- Overview of remote access
- Implementing Web Application Proxy

Lab: Implementing Web Application Proxy
- Implementing Web Application Proxy
- Validating the Web Application Proxy deployment

Module 07

Implementing DirectAccess
- Overview of DirectAccess
- Implementing DirectAccess by using the Getting Started Wizard
- Implementing and managing an advanced DirectAccess infrastructure

Lab: Implementing DirectAccess by using the Getting Started Wizard
- Verifying readiness for a DirectAccess deployment
- Configuring DirectAccess
- Validating the DirectAccess deployment

Lab: Deploying an advanced DirectAccess solution
- Preparing the environment for DirectAccess
- Implementing the advanced DirectAccess infrastructure
- Validating the DirectAccess deployment

Module 08

Implementing VPNs
- Planning VPNs
- Implementing VPNs

Lab: Implementing a VPN
- Implementing a VPN
- Validating the VPN deployment
- Troubleshooting VPN access

Module 09

Implementing networking for branch offices
- Networking features and considerations for branch offices
- Implementing Distributed File System (DFS) for branch offices
- Implementing BranchCache for branch offices

Lab: Implementing DFS for branch offices
- Implementing DFS
- Validating the deployment

Lab: Implementing BranchCache
- Implementing BranchCache
- Validating the deployment

Module 10

Configuring advanced networking features
- Overview of high-performance networking features
- Configuring advanced Microsoft Hyper-V networking features

Lab: Configuring advanced Hyper-V networking features
- Creating and using Hyper-V virtual switches
- Configuring and using the advanced features of a virtual switch

Module 11

Implementing Software Defined Networking
- Overview of Software Defined Networking
- Implementing network virtualization
- Implementing Network Controller

Lab: Deploying Network Controller
- Preparing to deploy Network Controller
- Deploying Network Controller

3rd Paper: - (70-742) Identity with Windows Server 2016

Module 01

Installing and configuring domain controllers
- Overview of AD DS
- Overview of AD DS domain controllers
- Deploying a domain controller

Lab: Deploying and administering AD DS
- Deploying AD DS
- Deploying domain controllers by performing domain controller cloning
- Administering AD DS

Module 02

Managing objects in AD DS
- Managing user accounts
- Managing groups in AD DS
- Managing computer objects in AD DS
- Using Windows PowerShell for AD DS administration
- Implementing and managing Ous

Lab: Managing AD DS objects
- Creating and managing groups in AD DS
- Creating and configuring user accounts in AD DS
- Managing computer objects in AD DS

Lab: Administering AD DS
- Delegate administration for Ous
- Creating and modifying AD DS objects with Windows PowerShell

Module 03

Advanced AD DS infrastructure management
- Overview of advanced AD DS deployments
- Deploying a distributed AD DS environment
- Configuring AD DS trusts

Lab: Domain and trust management in AD DS
- Implementing forest trusts
- Implementing child domains in AD DS

Module 04

Implementing and administering AD DS sites and replication
- Overview of AD DS replication
- Configuring AD DS sites
- Configuring and monitoring AD DS replication

Lab: Implementing AD DS sites and replication
- Modifying the default site
- Creating additional sites and subnets
- Configuring AD DS replication
- Monitoring and troubleshooting AD DS replication

Module 05

Implementing Group Policy
- Introducing Group Policy
- Implementing and administering GPOs
- Group Policy scope and Group Policy processing
- Troubleshooting the application of GPOs

Lab: Implementing a Group Policy infrastructure
- Creating and configuring GPOs
- Managing GPO scope

Lab: Troubleshooting Group Policy infrastructure
- Verify GPO application
- Troubleshooting GPOs

Module 06

Managing user settings with Group Policy
- Implementing administrative templates
- Configuring Folder Redirection, Software Installation, and Scripts
- Configuring Group Policy preferences

Lab: Managing user settings with GPOs
- Using administrative templates to manage user settings
- Implement settings by using Group Policy preferences
- Configuring Folder Redirection
- Planning Group Policy (optional)

Module 07

Securing Active Directory Domain Services
- Securing domain controllers
- Implementing account security
- Implementing audit authentication
- Configuring managed service accounts

Lab: Securing AD DS
- Implementing security policies for accounts, passwords, and administrative groups
- Deploying and configuring an RODC
- Creating and associating a group MSA

Module 08

Deploying and managing AD CS
- Deploying Cas
- Administering Cas
- Troubleshooting and maintaining Cas

Lab: Deploying and configuring a two-tier CA hierarchy
- Deploying an offline root CA
- Deploying an enterprise subordinate CA

Module 09

Deploying and managing certificates
- Deploying and managing certificate templates
- Managing certificate deployment, revocation, and recovery
- Using certificates in a business environment
- Implementing and managing smart cards

Lab: Deploying and using certificates
- Configuring certificate templates
- Enrolling and using certificates
- Configuring and implementing key recovery

Module 10

Implementing and administering AD FS
- Overview of AD FS
- AD FS requirements and planning
- Deploying and configuring AD FS
- Overview of Web Application Proxy

Lab: Implementing AD FS
- Configuring AD FS prerequisites
- Installing and configuring AD FS
- Configuring an internal application for AD
- Configuring AD FS for federated business partners

Module 11

Implementing and administering AD RMS
- Overview of AD RMS
- Deploying and managing an AD RMS infrastructure
- Configuring AD RMS content protection

Lab: Implementing an AD RMS infrastructure
- Installing and configuring AD RMS
- Configuring AD RMS templates
- Using AD RMS on clients

Module 12

Implementing AD DS synchronization with Microsoft Azure AD
- Planning and preparing for directory synchronization
- Implementing directory synchronization by using Azure AD Connect
- Managing identities with directory synchronization

Lab: Configuring directory synchronization
- Preparing for directory synchronization
- Configuring directory synchronization
- Managing Active Directory users and groups

Module 13

Monitoring, managing, and recovering AD DS
- Monitoring AD DS
- Managing the Active Directory database
- Active Directory backup and recovery options for AD DS and other identity and access solutions

Lab: Recovering objects in AD DS
- Backing up and restoring AD DS
- Recovering objects in AD DS

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