

# Windows Server MCSA MCSE Certification Training

## Windows Server MCSA MCSE Certification Training Overview

- We provide excellent training experience to our students in windows courses, our windows **server administration trainers are most experienced and highly skilled IT professionals.**
- Windows has more than 50% of the global market share in the server OS market. All desktops run windows operating system as its very user friendly and gives more tools to do day to day tasks like printing, browsing.
- MCSA & MCSE Training course is designed to provide in depth knowledge about windows system administration principles and its services. The sessions will be conducted by IT professional having more than 10 years of experience.
- Windows server administration training course covers an up to date and most relevant topics which are required by most of the companies, our faculty knows what topics & syllabus to be covered & what project work to be covered.
- All our instructors have min 10 years' experience in windows system administration. Apponix offers this course since 2013 & we have trained more than 1000 IT professionals in MCSE and MCSA. We are one of the top MCSA & MCSE training providers in India and we have retained that position since 2013.

## Why choose Apponix as a Top MCSA & MCSE Training center in Bangalore?

- Apponix has excellent qualified Windows Server Administration Trainers
- 100% student satisfaction rate, we will continue that in future.
- 6000+ satisfied students overall till now.
- Excellent Lab infrastructure and facility for windows Training
- Very experienced IT professionals as our faculty.

## Placement assistance for MCSA MCSE Training

- We have tied up with many companies & recruitment agencies, also we are official partner of [www.talentsarena.com](http://www.talentsarena.com).
- We have a dedicated HR team who can help you in getting job as soon as you complete the training
- Our trainers are very helpful & they will help you with most expected interview questions & answers in MCSA & MCSE.

**Course Duration : 50 Hours**

# MCSA : Windows Server Administration (L1 and L2 Support)

## 1: Installing and configuring domain controllers

### Lessons

- 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

## 2: Managing objects in AD DS

### Lessons

- 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

## 3: Advanced AD DS infrastructure management

### Lessons

- 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

## **4: Implementing and administering AD DS sites and replication**

### **Lessons**

- 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

## **5: Implementing Group Policy**

### **Lessons**

- 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

## **6: Managing user settings with Group Policy**

### **Lessons**

- 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)

## **7: Securing Active Directory Domain Services**

### **Lessons**

- 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

## **8: Planning and implementing an IPv4 network**

### **Lessons**

- 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 IPv4
- Troubleshooting IPv4

## **9: Implementing DHCP**

## Lessons

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

### Lab : Implementing DHCP

- Planning a DHCP server implementation
- Implementing the DHCP configuration
- Validating the DHCP implementation

# 10: Implementing DNS

## Lessons

- 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 Active Directory

- Integrating DNS with Active Directory

### Lab : Configuring advanced DNS settings

- Configuring DNS policies
- Validating the DNS implementation
- Troubleshooting DNS

# 11: Installing and configuring Hyper-V and virtual machines

## Lessons

- 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 virtual machines

**Lab : Installing and configuring Hyper-V**

- Verify installation of the Hyper-V server role
- Configuring Hyper-V networks
- Creating and configuring a virtual machines
- Enable nested virtualization for a virtual machine

## 12: Configuring local storage

### Lessons

- Managing disks in Windows Server
- Managing volumes in Windows Server

**Lab : Configuring local storage**

- Creating and managing volumes
- Resizing volumes
- Managing virtual hard disks.

## 13: Implementing WSUS

### Lessons

- WSUS overview and deployment options
- Update management process with WSUS
- Overview of Windows 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

## 14: Installing, upgrading, and migrating servers and workloads

### Lessons

- Introducing Windows Server 2016
- Preparing for upgrades and migrations from 2008 to 2012 and 2012 to 2016
- Edition of Operating Systems
- Migrating server roles and workloads
- Windows Server activation models

#### Lab : Installing and configuring Windows Server 2016

- Installing Windows Server 2016
- Upgrades and migrations from 2008 to 2012 and 2012 to 2016

## 15: Troubleshooting, Monitoring, managing, and recovering AD DS

### Lessons

- 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

### Career after Windows Training Course in Bangalore

- Bangalore is a home for more than 500 MNCs, you should not have any doubt on shortage of windows system administration jobs in Bangalore.  
IT technologies is growing and there a huge demand for windows administrators & engineers.

### Salary expectation after completion of Training.

- As there is a growing demand for windows system administrators, the salary is also constantly increasing for Windows sys admin skills, As per payscale.com Average salary for Windows administrator is Rs 5,39,553 per yea