



## WINDOWS SERVER ADMINISTRATOR (MCSA) SYLLABUS

**Pre-requisite – No Pre-requisite. Specially Designed and Recommended for Freshers and Non-technical Background Students.**

- 1: Discussion on Operating system (Client OS and Server OS)**  
Introducing Windows Server Installation of Full GUI Server OS Installation of Server Core  
Completing Post-Installation tasks on Server
- 2: Preparing for Nano Server Installation** Installing and configuring Nano Server Configuring Remote Management of Nano Server Completing post-installation tasks on Nano Server
- 3: Overview of AD DS**  
Overview of AD DS domain controllers
- 4: Deploying domain controllers:**  
Primary, Additional, Child, RODC
- 5: Managing computer objects in AD DS Domain Joining:**  
Offline, Pre-create, On-stage
- 6: Managing user accounts in AD DS** Creating and configuring user accounts in AD DS  
Managing user accounts with Group Policies
- 7: Managing groups in AD DS**  
Creating and managing groups in AD DS Group types & Group scopes Implementing and managing OUs Delegate administration for OUs
- 8: Overview of ADDS Domains & Trusts**  
Understanding Trust Relationship  
Characteristics of Trusts Manual Trust  
Creating additional sites and subnets Configuring AD DS replication Monitoring and troubleshooting AD DS replication

- 9:**     Introducing Group Policy  
Brief about Group Policy Settings  
Understanding Group Policy Processing Implementing and administering GPOs Software  
Deployment  
Folder Redirection
- 10:**    Changing Wallpaper  
Configuring other Group Policies
- 11:**    FSMO  
Overview of partitions masters Transfer operations masters
- 12:**    Deploying and managing AD CS Overview of ADCS  
Deploying an offline/standalone root and subordinate CAs  
Deploying an enterprise CA
- 13:**    Overview of AD FS  
Deploying and configuring AD FS Overview of AD RMS  
Deploying and managing an AD RMS infrastructure
- 14:**    Overview of Backups Types of Backups Configuring System Backup
- 15:**    Introduction to IP addressing  
Types of IP addressing, Subnetting & Supernetting
- 16:**    Overview of the DHCP server role DHCP Overview and Install  
DHCP Scope Creation Implementing IPv6 Scope
- 17:**    DHCP Reservations DHCP Options DHCP Policies DHCP User Classes  
DHCP Backup, Restore
- 18:**    DHCP Super Scopes DHCP Split Scopes DHCP Failover  
DHCP L2 MAC Filtering
- 19:**    Introduction of DNS  
DNS Name Space, Name Resolution Overview of Zones and Records
- 20:**    Implementing DNS servers and zones DNS Zones Overview  
DNS name resolution DNS Records Overview Reverse Lookup Zones
- 21:**    Zone Delegation Stub Zone
- 22:**    IPAM Overview and Installation Managing DNS and DHCP using IPAM
- 23:**    Remote access in Windows Server Overview of remote access Overview of VPN  
Implementing VPN  
Configuring VPN Server & Client

- 24:** Server Storage Technologies  
Overview of DAS, NAS and iSCSI SAN, FC SAN  
Managing disks in Windows Server Configuring Basic & Dynamic disk Configuring MBR & GPT  
Managing volumes in Windows Server: RAID Configuration  
Spanned Volume Stripped Volume
- 25:** Configure iSCSI storage  
Configuring iSCSI Target and Initiator
- 26:** Implementing Storage Spaces Managing Storage Spaces Creating a Storage Space  
Configure NTFS permissions Configure NTFS quotas Implementing and configuring Data Deduplication
- 27:** Overview of Hyper-V Installing Hyper-V  
Configuring storage on Hyper-V host servers  
Configuring networking on Hyper-V host servers  
Configuring and managing Hyper-V virtual machines
- 28:** Achieving High Availability with Hyper-V  
Determining the appropriate high availability and disaster recovery solution Configuring Hyper-V replicas  
Configuring Hyper-V migration
- 29:** Implementing failover clustering Planning a failover cluster  
Creating and configuring a new failover cluster  
**KEY HIGHLIGHTS OF THIS TRAINING PROGRAM:**  
Maintaining a failover cluster Troubleshooting a failover cluster
- 30:** Implementing Network Load Balancing Overview of NLB  
Configuring an NLB cluster planning an NLB implementation

- **Entire training programme is in Hindi Language for Better understanding.**
- **Special focus on Non technical and Fresher candidates.**
- **Course Completion Certificate Provided at the end of the course.**
- **Interview Cracking tips during live sessions.**
- **Doubt clearing session will be provided.**