

MCSA Syllabus

Best MCSA Training in PUNE & Best MCSA Training Institute in MAHARASHTRA

RAHITECH is the biggest MCSA training center in PUNE with high tech infrastructure and lab facilities and the options of opting for multiple courses at PUNE Location. RAHITECH in PUNE prepares thousands of aspirants for MCSA at reasonable fees that is customized keeping in mind training and course content requirement of each attendee.

MCSA training course involves "Learning by Doing" using state-of-the-art infrastructure for performing hands-on exercises and real-world simulations. This extensive hands-on experience in MCSA training ensures that you absorb the knowledge and skills that you will need to apply at work after your placement in an MNC.

IMPORTANCE OF MCSA :-

Microsoft **Certification** comes in Microsoft provides a **certification** programme which trains the individual in the systems, networks, and computing that Microsoft programs utilise.

Exam 70-410 - Installing and Configuring Windows Server 2012 (Course 20410A Duration : 40 hrs)

Module 1: Deploying and Managing Windows Server 2012

1. Windows Server 2012 Overview
2. Overview of Windows Server 2012 Management
3. Installing Windows Server 2012
4. Post-Installation Configuration of Windows Server 2012
5. Introduction to Windows PowerShell

Lab : Deploying and Managing Windows Server 2012

- Deploying Windows Server 2012
- Configuring Windows Server 2012 Server Core
- Managing Servers
- Using Windows PowerShell to Manage Servers

Module 2: Introduction to Active Directory Domain Services

1. Overview of AD DS
2. Overview of Domain Controllers
3. Installing a Domain Controller

Lab : Installing Domain Controllers

- Installing a Domain Controller

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- Installing a Domain Controller by Using IFM

Module 3: Managing Active Directory Domain Services Objects

1. Managing User Accounts
2. Managing Group Accounts
3. Managing Computer Accounts
4. Delegating Administration

Lab : Managing Active Directory Domain Services Objects

- Delegating Administration for a Branch Office
- Creating and Configuring User Accounts in AD DS
- Managing Computer Objects in AD DS

Module 4: Automating Active Directory Domain Services Administration

1. Using Command-line Tools for Administration
2. Using Windows PowerShell for Administration
3. Performing Bulk Operations with Windows PowerShell

Lab : Automating AD DS Administration by Using Windows PowerShell

- Creating User Accounts and Groups by Using Windows PowerShell
- Using Windows PowerShell to Create User Accounts in Bulk
- Using Windows PowerShell to Modify User Accounts in Bulk

Module 5: Implementing IPv4

1. Overview of TCP/IP
2. Understanding IPv4 Addressing
3. Subnetting and Supernetting
4. Configuring and Troubleshooting IPv4

Lab : Implementing IPv4

- Identifying Appropriate Subnets
- Troubleshooting IPv4

Module 6: Implementing DHCP

1. Installing a DHCP Server Role
2. Configuring DHCP Scopes

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3. Managing a DHCP Database
4. Securing and Monitoring DHCP

Lab : Implementing DHCP

- Implementing DHCP
- Implementing a DHCP Relay (Optional Exercise)

Module 7: Implementing DNS

- Name Resolution for Windows Client and Servers
- Installing and Managing a DNS Server
- Managing DNS Zones
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Lab : Implementing DNS

- Installing and Configuring DNS
- Creating Host Records in DNS
- Managing the DNS Server Cache

Module 8: Implementing IPv6

1. Overview of IPv6
2. IPv6 Addressing
3. Coexistence with IPv6
4. IPv6 Transition Technologies

Lab : Implementing IPv6

- Configuring an IPv6 Network
- Configuring an ISATAP Router

Module 9: Implementing Local Storage

1. Overview of Storage
2. Managing Disks and Volumes
3. Implementing Storage Spaces

Lab : Implementing Local Storage

- Installing and Configuring a New Disk
- Resizing Volumes
- Configuring a Redundant Storage Space

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Module 10: Implementing File and Print Services

1. Securing Files and Folders
2. Protecting Shared Files and Folders Using Shadow Copies
3. Configuring Network Printing

Lab : Implementing File and Print Services

- Creating and Configuring a File Share
- Configuring Shadow Copies
- Creating and Configure a Printer Pool

Module 11: Implementing Group Policy

1. Overview of Group Policy
2. Group Policy Processing
3. Implementing a Central Store for Administrative Templates

Lab : Implementing Group Policy

- Configuring a Central Store
- Creating GPOs

Module 12: Securing Windows Servers Using Group Policy Objects

1. Windows Security Overview
2. Configuring Security Settings
3. Restricting Software
4. Configuring Windows Firewall with Advanced Security

Lab : Lab A: Increasing Security for Server Resources

- Using Group Policy to Secure Member Servers
- Auditing File System Access
- Auditing Domain Logons

Lab : Lab B: Configuring AppLocker and Windows Firewall

- Configuring AppLocker Policies
- Configuring Windows Firewall

Module 13: Implementing Server Virtualization with Hyper-V

1. Overview of Virtualization Technologies
2. Implementing Hyper-V

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3. Managing Virtual Machine Storage
4. Managing Virtual Networks

Lab : Implementing Server Virtualization with Hyper-V

- Installing the Hyper-V Server Role
- Configuring Virtual Networking
- Creating and Configuring a Virtual Machine
- Using Virtual Machine Snapshots

Exam 70-411: Administering Windows Server 2012	
Duration: 24 hrs	
	<p>Module 1: Implementing a Group Policy Infrastructure</p> <ol style="list-style-type: none"> 1. Introducing Group Policy 2. Implementing and Administering GPOs 3. Managing Group Policy Scope 4. Group Policy Processing 5. Troubleshooting the Application of GPOs <p>Lab: Implementing a Group Policy Infrastructure</p> <ul style="list-style-type: none"> • Creating and Configuring Group Policy Objects • Managing Group Policy Scope • Verifying Group Policy Application • Managing Group Policy Objects
	<p>Module 2: Managing User Desktops with Group Policy</p> <ol style="list-style-type: none"> 1. Implementing Administrative Templates 2. Configuring Folder Redirection and Scripts 3. Configuring Group Policy Preferences 4. Managing Software with Group Policy <p>Lab: Managing User Desktops with Group Policy</p> <ul style="list-style-type: none"> • Implementing Settings by Using Group Policy Preferences • Configuring Folder Redirection
	<p>Module 3: Managing User and Service Accounts</p> <ol style="list-style-type: none"> 1. Automating User Account Creation 2. Configuring Password Policy and Account Lockout Settings 3. Creating and Administering User Accounts 4. Configuring User Object Attributes 5. Configuring Managed Service Accounts

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	<p>Lab: Managing User and Service Accounts</p> <ul style="list-style-type: none"> • Configuring Password Policy and Account Lockout Settings • Creating and Associating a Managed Service Account 	
	<p>Module 4: Maintaining Active Directory Domain Services</p> <ol style="list-style-type: none"> 1. Implementing Virtualized Domain Controllers 2. Implementing Read Only Domain Controllers 3. Administering AD DS 4. Managing the AD DS Database <p>Lab: Maintaining Active Directory Domain Services</p> <ul style="list-style-type: none"> • Installing and Configuring a Read Only Domain Controller • Configuring AD DS Snapshots • Configuring the Active Directory Recycle Bin 	
	<p>Module 5: Configuring and Troubleshooting DNS</p> <ol style="list-style-type: none"> 1. Installing the DNS Server Role 2. Configuring the DNS Server Role 3. Configuring DNS Zones 4. Configuring DNS Zone Transfers 5. Managing and Troubleshooting DNS <p>Lab: Configuring and Troubleshooting DNS</p> <ul style="list-style-type: none"> • Configuring DNS Resource Records • Configuring DNS Conditional Forwarding • Installing and Configuring DNS Zones • Managing and Troubleshooting DNS 	
	<p>Module 6: Configuring and Troubleshooting Remote Access</p> <ol style="list-style-type: none"> 1. Configuring Network Access 2. Configuring VPN Access 3. Overview of Network Policies 4. Troubleshooting Routing and Remote Access 5. Configuring DirectAccess <p>Lab: Configuring and Troubleshooting Remote Access</p> <ul style="list-style-type: none"> • Configuring Remote Access • Configuring the DirectAccess Infrastructure • Configuring Direct Access Clients • Verifying the DirectAccess Configuration 	
	<p>Module 7: Installing, Configuring, and Troubleshooting the Network Policy Server Role</p> <ol style="list-style-type: none"> 1. Installing and Configuring a Network Policy Server 2. Configuring RADIUS Clients and Servers 	

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	<ol style="list-style-type: none"> 3. NPS Authentication Methods 4. Monitoring and Troubleshooting a Network Policy Server <p>Lab: Installing and Configuring a Network Policy Server</p> <ul style="list-style-type: none"> • Installing and Configuring NPS to Support RADIUS • Configuring a RADIUS Client 	
	<p>Module 8: Implementing Network Access Protection</p> <ol style="list-style-type: none"> 1. Overview of Network Access Protection 2. Overview of NAP Enforcement Processes 3. Configuring NAP 4. Monitoring and Troubleshooting NAP <p>Lab: Implementing Network Access Protection</p> <ul style="list-style-type: none"> • Configuring NAP Components • Configuring the Client Settings to Support NAP 	
	<p>Module 9: Optimizing File Services</p> <ol style="list-style-type: none"> 1. Overview of FSRM 2. Using FSRM to Manage Quotas, File Screens, and Storage Reports 3. Implementing Classification Management and File Management Tasks 4. DFS Overview 5. Configuring DFS Namespaces 6. Configuring and Troubleshooting DFS Replication <p>Lab: Lab A: Configuring Quotas and File Screening by Using FSRM</p> <ul style="list-style-type: none"> • Configuring FSRM Quotas • Configuring File Screening <p>Lab: Lab B: Configuring DFS Namespaces and Replication</p> <ul style="list-style-type: none"> • Installing the DFS Namespaces Server Role • Configuring the DFS Role Service • Configuring DFS Namespace • Configuring DFS-R 	
	<p>Module 10: Configuring Encryption and Advanced Auditing</p> <ol style="list-style-type: none"> 1. Encrypting Network Files with EFS 2. Configuring Advanced Auditing <p>Lab: Lab A: Configuring Encryption and Advanced Auditing</p> <ul style="list-style-type: none"> • Encrypting and Recovering Files • Configuring Advanced Auditing 	
	<p>Module 11: Deploying and Maintaining Server Images</p> <ol style="list-style-type: none"> 1. Overview of Windows Deployment Services 2. Implementing Deployment with WDS 	

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	<p>3. Administering WDS 4.</p> <p>Lab: Deploying and Maintaining Server Images Using Windows Deployment Services</p> <ul style="list-style-type: none"> • Installing and Configuring Windows Deployment Services • Creating Operating System Images with WDS • Configuring Custom Computer Naming • Deploying Images with WDS 	
	<p>Module 12: Deploying and Maintaining Server Images</p> <p>1. Overview of WSUS 2. Deploying Updates with WSUS</p> <p>Lab: Implementing Update Management</p> <ul style="list-style-type: none"> • Implementing the WSUS Server Role • Configuring Update Settings • Approving and Deploying an Update by Using WSUS 	
	<p>Module 13: Monitoring Windows Server 2012</p> <p>1. Monitoring Tools 2. Using Performance Monitor 3. Monitoring Event Logs</p> <p>Lab: Monitoring Windows Server 2012</p> <ul style="list-style-type: none"> • Establishing a Performance Baseline • Identifying the Source of a Performance Problem • Viewing and Configuring Centralized Event Logs 	

<p>Exam 70-412: Configuring Advanced Windows Server 2012 Services Duration: 40 hrs</p>		
	<p>Module 1: Implementing Advanced Network</p> <p>1. Configuring Advanced DHCP Features 2. Configuring Advanced DNS Settings 3. Implementing IP Address Management</p> <p>Lab : Implementing Advanced Network Services</p> <ul style="list-style-type: none"> • Configuring Advanced DHCP Settings • Configuring Advanced DNS Settings • Configuring IP Address Management 	

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	<p>Module 2: Implementing Advanced File Services</p> <ol style="list-style-type: none"> 1. Configuring iSCSI Storage 2. Configuring BranchCache 3. Optimizing Storage Usage <p>Lab : Implementing Advanced File Services</p> <ul style="list-style-type: none"> • Configuring iSCSI Storage • Configuring the File Classification Infrastructure <p>Lab : Implementing Branch Cache</p> <ul style="list-style-type: none"> • Configuring the Main Office Servers for BranchCache • Configuring the Branch Office Servers for BranchCache • Configuring Client Computers for BranchCache • Monitoring BranchCache 	
	<p>Module 3: Implementing Dynamic Access Control</p> <ol style="list-style-type: none"> 1. Overview of Dynamic Access Control 2. Planning for Dynamic Access Control 3. Deploying Dynamic Access Control <p>Lab : Implementing Dynamic Access Control</p> <ul style="list-style-type: none"> • Planning the Dynamic Access Control Implementation • Configuring User and Device Claims • Configuring Resource Property Definitions • Configuring Central Access Rules and Central Access Policies • Validating and Remediating Dynamic Access Control • Implementing New Resource Policies 	
	<p>Module 4: Implementing Network Load Balancing</p> <ol style="list-style-type: none"> 1. Overview of NLB 2. Configuring an NLB Cluster 3. Planning an NLB Implementation <p>Lab : Implementing Network Load Balancing</p> <ul style="list-style-type: none"> • Implementing an NLB Cluster 	

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	<ul style="list-style-type: none"> • Configuring and Managing an NLB Cluster • Validating High Availability for the NLB Cluster 	
	<p>Module 5: Implementing Failover Clustering</p> <ol style="list-style-type: none"> 1. Overview of Failover Clustering 2. Implementing a Failover Cluster 3. Configuring Highly Available Applications and Services on a Failover Cluster 4. Maintaining a Failover Cluster 5. Implementing a Multi-Site Failover Cluster <p>Lab : Implementing Failover Clustering</p> <ul style="list-style-type: none"> • Configuring a Failover Cluster • Deploying and Configuring a Highly Available File Server • Validating the Deployment of a Highly Available File Server • Configuring Cluster-Aware Updating on the Failover Cluster 	
	<p>Module 6: Implementing Failover Clustering with Hyper-V</p> <ol style="list-style-type: none"> 1. Overview of Integrating Hyper-V with Failover Clustering 2. Implementing Hyper-V Virtual Machines on Failover Clusters 3. Implementing Hyper-V Virtual Machine Movement 4. Managing Hyper-V Virtual Environments by Using VMM <p>Lab : Implementing Failover Clustering with Hyper-V</p> <ul style="list-style-type: none"> • Configuring Hyper-V Replicas • Configuring a Failover Cluster for Hyper-V • Configuring a Highly Available Virtual Machine 	
	<p>Module 7: Implementing Disaster Recovery</p> <ol style="list-style-type: none"> 1. Overview of Disaster Recovery 2. Implementing Windows Server Backup 3. Implementing Server and Data Recovery <p>Lab : Implementing Windows Server Backup and Restore</p> <ul style="list-style-type: none"> • Backing Up Data on a Windows Server 2012 Server • Restoring Files Using Windows Server Backup • Implementing Microsoft Online Backup and Restore 	

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	<p>Module 8: Implementing Distributed Active Directory Domain Services Deployments</p> <ol style="list-style-type: none"> 1. Overview of Distributed AD DS Deployments 2. Implementing a Distributed AD DS Environment 3. Configuring AD DS Trusts <p>Lab : Implementing Complex AD DS Deployments</p> <ul style="list-style-type: none"> • Implementing Child Domains in AD DS • Implementing Forest Trusts 	
	<p>Module 9: Implementing Active Directory Domain Services Sites and Replication</p> <ol style="list-style-type: none"> 1. Overview of AD DS Replication 2. Configuring AD DS Sites 3. Configuring and Monitoring AD DS Replication <p>Lab : Implementing AD DS Sites and Replication</p> <ul style="list-style-type: none"> • Modifying the Default Site • Creating Additional Sites and Subnets • Configuring AD DS Replication 	
	<p>Module 10: Implementing Active Directory Certificate Services</p> <ol style="list-style-type: none"> 1. PKI Overview 2. Deploying CAs 3. Deploying and Managing Certificate Templates 4. Implementing Certificate Distribution and Revocation 5. Managing Certificate Recovery <p>Lab : Implementing Active Directory Certificate Services</p> <ul style="list-style-type: none"> • Deploying a Standalone Root CA • Deploying an Enterprise Subordinate CA • Configuring Certificate Templates • Configuring Certificate Enrollment • Configuring Certificate Revocation • Configuring Key Recovery 	
	<p>Module 11: Implementing Active Directory Rights Management Services</p>	

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	<ol style="list-style-type: none"> 1. AD RMS Overview 2. Deploying and Managing an AD RMS Infrastructure 3. Configuring AD RMS Content Protection 4. Configuring External Access to AD RMS <p>Lab : Configuring AD RMS</p> <ul style="list-style-type: none"> • Installing and Configuring AD RMS • Configuring AD RMS Templates • Implementing the AD RMS Trust Policies • Verifying the AD RMS Deployment 	
	<p>Module 12: Implementing Active Directory Federation Services</p> <ol style="list-style-type: none"> 1. Overview of AD FS 2. Deploying AD FS 3. Implementing AD FS for a Single Organization 4. Deploying AD FS in a B2B Federation Scenario <p>Lab : Implementing AD FS</p> <ul style="list-style-type: none"> • Configuring AD FS Prerequisites • Installing and Configuring AD FS • Configuring AD FS for a Single Organization • Configuring AD FS for Federated Business Partners 	

RAHITECH Trainer's Profile for MCSA Training in PUNE RAHITECH'S MCSA Trainers are:

- Are truly expert and fully up-to-date in the subjects they teach because they continue to spend time working on real-world industry applications.
- Have received awards and recognition from our partners and various recognized IT Organizations.
- Are working professionals working in multinational companies
- Are certified Professionals with 7+ years of experience, Are Well connected with Hiring HRs in multinational companies.

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Placement Assistance after MCSA Training in PUNE RAHITECH'S Placement Assistance

- RAHITECH is the leader in offering placement to the students, as it has a dedicated placement wing which caters to the needs of the students during placements.
- RAHITECH helps the students in the development of their RESUME as per current industry standards.
- RAHITECH conducts Personality Development sessions including Spoken English, Group Discussions, Mock Interviews, Presentation skills to prepare students to face challenging interview situation with ease.
- RAHITECH has prepared its students to get placed in top IT FIRMS like HCL, TCS, Infosys, Wipro, Syntel, Accenture and many more.

RAHITECH Course duration for MCSA Training in PUNE

- Fast Track Training Program (6+ hours daily)
- Regular Classes (Morning, Day time & Evening)
- Weekend Training Classes (Saturday, Sunday & Holidays)