

# TechnoMaster

## MCSE

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

### TRAINING BY INDUSTRY EXPERTS

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Syllabus Contd..

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## Syllabus

### **MODULE 1**

- \* Windows Server 2012 Overview
- \* Overview of Windows Server 2012 Management
- \* Installing Windows Server 2012
- \* Post-Installation Configuration of Windows Server 2012
- \* Introduction to Windows PowerShell

### **MODULE 2**

- \* Introduction to Active Directory Domain Services
- \* Overview of AD DS
- \* Overview of Domain Controllers
- \* Installing a Domain Controller

### **MODULE 3**

- \* Managing Active Directory Domain Services Objects
- \* Managing User Accounts
- \* Managing Group Accounts
- \* Managing Computer Accounts
- \* Delegating Administration

### **MODULE 4**

- \* Automating Active Directory Domain Services Administration
- \* Using Command-line Tools for Administration
- \* Using Windows PowerShell for Administration
- \* Performing Bulk Operations with Windows PowerShell

### **MODULE 5**



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## Syllabus

- \* Implementing IPv4
- \* Overview of TCP/IP
- \* Understanding IPv4 Addressing
- \* Subnetting and Supernetting
- \* Configuring and Troubleshooting IPv4

### **MODULE 6**

- \* Implementing DHCP
- \* Installing a DHCP Server Role
- \* Configuring DHCP Scopes
- \* Managing a DHCP Database
- \* Securing and Monitoring DHCP

### **MODULE 7**

- \* Implementing DNS
- \* Name Resolution for Windows Client and Servers
- \* Installing and Managing a DNS Server
- \* Managing DNS Zones

### **MODULE 8**

- \* Implementing IPv6
- \* Overview of IPv6
- \* IPv6 Addressing
- \* Coexistence with IPv6
- \* IPv6 Transition Technologies



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## Syllabus

### **MODULE 9**

- \* Implementing Local Storage
- \* Overview of Storage
- \* Managing Disks and Volumes
- \* Implementing Storage Spaces

### **MODULE 10**

- \* Implementing File and Print Services
- \* Securing Files and Folders
- \* Protecting Shared Files and Folders Using Shadow Copies
- \* Configuring Network Printing

### **MODULE 11**

- \* Implementing Group Policy
- \* Overview of Group Policy
- \* Group Policy Processing
- \* Implementing a Central Store for Administrative Templates

### **MODULE 12**

- \* Securing Windows Servers Using Group Policy Objects
- \* Windows Security Overview
- \* Configuring Security Settings
- \* Restricting Software
- \* Configuring Windows Firewall with Advanced Security

### **MODULE 13**



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## Syllabus

- \* Implementing Server Virtualization with Hyper-V
- \* Overview of Virtualization Technologies
- \* Implementing Hyper-V
- \* Managing Virtual Machine Storage
- \* Managing Virtual Networks

### **MODULE 14**

- \* Administering windows server
- \* Deploying and Maintaining Server Images
- \* Configuring and Troubleshooting Domain Name System
- \* Maintaining Active Directory Domain Services
- \* Managing User and Service Accounts
- \* Implementing a Group Policy Infrastructure
- \* Managing User Desktops with Group Policy
- \* Configuring and Troubleshooting Remote Access
- \* Installing, Configuring, and Troubleshooting the Network Policy Server Role
- \* Implementing Network Access Protection
- \* Optimizing File Services
- \* Configuring Encryption and Advanced Auditing
- \* Implementing Update Management
- \* Monitoring Windows Server 2012

### **MODULE 15**

- \* Configuring Advanced Windows Server Services



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## Syllabus

- \* Implementing Advanced Network Services
- \* Implementing Advanced File Services
- \* Implementing Dynamic Access Control
- \* Implementing Distributed Active Directory Domain Services Deployments
- \* Implementing Active Directory Domain Services Sites and Replication
- \* Implementing Active Directory Certificate Services
- \* Implementing Active Directory Rights Management Services
- \* Implementing Network Load Balancing
- \* Implementing Failover Clustering
- \* Implementing Failover Clustering with Hyper-V
- \* Implementing Disaster Recovery