

# MCSA Training Syllabus

**Course Duration-90 hours**

## **Installation and configuration of Windows server 2012**

- Install and Configure Servers
- Configure Server Roles and Features
- Configuration of Hyper- V
- Deploy and Configure Core Network Services
- Install and Administer Active Directory
- Create and Manage Group Policy

## **2. Administrating Windows server 2012**

- Deploy, Manage and Maintain Servers
- Configure File and Print Service
- Configure Network Services and Access
- Configure Network Policy Server and Infrastructure
- Configure and manage Active Directory

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- Configure and Manage Group Policy
  
- 3. Configuring Advanced Windows Server 2012**
  
- Configure and Manage High Availability
  
- Configure File and Storage Solutions
  
- Implement Business Continuity and Disaster Recovery
  
- Configure Network Services
  
- Configure Active Directory Infrastructure
  
- Configure Identity and Access Solution

## **70-410: Installing and Configuring Windows Server 2012**

1. Install & Configure Servers
  - a. Install servers
  
  - b. Configure servers
  
  - c. Configure local storage
  
2. Configure Server Roles & Features

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- a. Configure file and share access
  - b. Configure print and document services
  - c. Configure servers for remote management
3. Configure Hyper-V
    - a. Create and configure virtual machine settings
    - b. Create and configure virtual machine storage
    - c. Create and configure virtual networks
4. Deploy & Configure Core Network Services
    - a. Configure IPv4 and IPv6 addressing
    - b. Deploy and configure Dynamic Host Configuration Protocol (DHCP) service
    - c. Deploy and configure DNS service
5. Install & Administer Active Directory
    - a. Install domain controllers
    - b. Create and manage Active Directory users and computers

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c. Create and manage Active Directory groups and organizational units (OUs)

6. Create & Manage Group Policy

a. Create Group Policy objects (GPOs)

b. Configure security policies

c. Configure application restriction policies

d. Configure Windows Firewall

## **70-411: Administering Windows Server 2012**

1. Deploy, Manage & Maintain Servers

a. Deploy and manage server images

b. Implement patch management

c. Monitor servers

2. Configure File & Print Services

a. Configure Distributed File System (DFS)

b. Configure File Server Resource Manager (FSRM)

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- c. Configure file and disk encryption
- d. Configure advanced audit policies
- 3. Configure Network Services & Access
  - a. Configure DNS zones
  - b. Configure DNS records
  - c. Configure virtual private networks (VPN) and routing
  - d. Configure Direct Access
- 4. Configure Network Policy Server & Infrastructure
  - a. Configure Network Policy Server
  - b. Configure NPS Policies
  - c. Configure Network Access Protection
- 5. Configure & manage Active Directory
  - a. Configure service authentication
  - b. Configure domain controllers

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- c. Maintain Active Directory
- d. Configure account policies
- 6. Configure & Manage Group Policy
  - a. Configure Group Policy processing
  - b. Configure Group Policy setting
  - c. Manage Group Policy objects (GPOs)
  - d. Configure Group Policy preferences (GPP)

## **70-412: Configuring Advanced Windows Server 2012 Services**

- 1. Configure & Manage High Availability
  - a. Configure Network Load Balancing
  - b. Configure Failover Clustering
  - c. Manage Failover Clustering Roles
  - d. Manage VM Movement

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## 2. Configure file & storage solutions

- a. Configure advanced file services
- b. Implement Dynamic Access Control
- c. Configure & Optimize Storage

## 3. Implement Business Continuity & Disaster Recovery

- a. Configure and manage backups
- b. Recover Servers
- c. Configure Site Level Fault Tolerance

## 4. Configure Network Services

- a. Implement an advanced Dynamic Host Configuration Protocol (DHCP) solution
- b. Implement an advanced DNS solution
- c. Deploy and manage IP Address Management (IPAM)

## 5. Configure Active Directory Infrastructure

- a. Configure a forest or a domain

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b. Configure trusts

c. Configure sites

d. Manage AD & SYSVOL replication

6. Configure Identity & Access Solution

a. Implement Active Directory Federation Services (AD FS)

b. Install and configure Active Directory Certificate Services (AD CS)

c. Manage Certificates

d. Install and configure Active Directory Rights Management Services (AD RMS)

## MAJOR TOPICS COVERED

- Installing Windows Server 2012
- Configuring NTFS File System
- Configuring Virtual Machines, Virtual Storage and Virtual Networks
- DHCP Deployment and configuration
- Manage Virtual Machine (VM) migration
- Implement Dynamic Access Control (DAC)
- Configuring Windows server backup tool
- Configuring Hyper-V site level fault tolerance
- Active Directory Rights Management Services (AD RMS)
- Remote Desktop Service
- Group Policy Management
- ADDS Management
- DNS Service Configuration
- Software Deployment Service (WSUS)



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