

5 Days

## 20411: Administering Windows Server 2012

This 5-days Microsoft 20411D Administering Windows Server Training course is part 2 in the series of 3 courses to qualify for MCSA Windows Server 2012. The course delivers the essential features to administration tasks to maintain Windows Server 2012, such as configuring and troubleshooting Domain Name System, network policy servers, implementing and managing Encryption & Advance Auditing, and managing user and service accounts.

Note: Labs in this course are based on Windows Server 2012 R2 and Windows 8.1.

Note: The MCSA: Windows Server 2012 certification requires participants to clear all three exams, namely 20410, 20411, & 20412.

## Course Details

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### Course Outline

#### Module 1: Configuring and Troubleshooting Domain Name System

This module explains how to configure and troubleshoot DNS, including DNS replication and caching.

##### Lessons

- Configuring DNS Zones
- Configuring the DNS Server Role
- Configuring DNS Zone Transfers
- Managing and Troubleshooting DNS

#### Module 2: Maintaining Active Directory Domain Services

This module explains how to implement virtualized domain controllers and read-only domain controller (RODCs).

##### Lessons

- Overview of AD DS
- Administering AD DS
- Implementing Virtualized Domain Controllers
- Implementing RODCs
- Managing the AD DS Database

#### Module 3: Managing User and Service Accounts

This module teaches individuals to create, configure and automate the creation of user accounts.

## **Lessons**

- Configuring Managed Service Accounts
- Configuring Password Policy and User Account Lockout Settings

## **Module 4: Implementing a Group Policy Infrastructure**

This module describes the implementation of GPO infrastructure, its management tasks, and troubleshooting its application.

### **Lessons**

- Introducing Group Policy
- Implementing and Administering GPOs
- Group Policy Scope and Group Policy Processing
- GPOs Application Troubleshooting

## **Module 5: Managing User Desktops with Group Policy**

This module describes the use of Group Policy Objects (GPOs) to implement desktop environments across your organization.

### **Lessons**

- Managing Software with Group Policy
- Configuring Group Policy Preferences
- Configuring Folder Redirection and Scripts
- Implementing Administrative Templates

## **Module 6: Installing, Configuring, and Troubleshooting the Network Policy Server Role**

This module teaches individuals to install and configure NPS, RADIUS Clients and servers.

### **Lessons**

- Installing and Configuring a Network Policy Server
- NPS Authentication Methods
- Configuring RADIUS Clients and Servers
- Monitoring and Troubleshooting a Network Policy Server

## **Module 7: Implementing Network Access Protection**

This module teaches you to configure, monitor, and troubleshoot NAP.

### **Lessons**

- Overview of Network Access Protection
- Overview of NAP Enforcement Processes
- Configuring NAP and IPsec Enforcement for NAP
- Monitoring and Troubleshooting NAP

## **Module 8: Implementing Remote Access**

This module will make you learn how to implement and manage remote access in Windows Server 2012, DirectAccess implementation by using the

Getting Started wizard and also implementing VPN.

#### **Lessons**

- Overview of Remote Access
- Implementing DirectAccess by Using the Getting Started Wizard
- Implementing VPN
- Implementing and Managing an Advanced DirectAccess Infrastructure
- Implementing Web Application Proxy

### **Module 9: Optimizing File Services**

This module introduces FSRM, configure quotas, file screening, storage reports, file management tasks and implement classification management.

#### **Lessons**

- Overview of DFS and FSRM
- Use of FSRM to Manage Quotas, File Screens, and Storage Reports
- Implementing Classification and File Management Tasks
- Configuring DFS Namespaces
- Configuring and Troubleshooting DFS Replication

### **Module 10: Configuring Encryption and Advanced Auditing**

This module teaches how to encrypt files using EFS and configure advanced auditing features.

#### **Lessons**

- Encrypting Files by Using EFS
- Encrypting Drives by Using BitLocker
- Configuring Advanced Auditing

### **Module 11: Deploying and Maintaining Server Images**

This module explains you to create and manage server images by using Windows Deployment Services

#### **Lessons**

- Managing Images
- Overview of Windows Deployment Services
- Administering Windows Deployment Services
- Implementing Deployment with Windows Deployment Services

### **Module 12: Implementing Update Management**

This module explains you to use Windows Server Update Services (WSUS) for deploying updates to Windows servers and clients.

#### **Lessons**

- Overview of WSUS
- Deploying Updates with WSUS

## Module 13: Monitoring Windows Server 2012

This module explains the monitoring tools available in Windows Server 2012. It also explains how to use Performance Monitor and monitor events.

### Lessons

- Monitoring Tools and Event Logs
- Using Performance Monitor

## Who Should Attend

This course is intended for (IT) professionals who carry relevant knowledge and experience working with Windows operating systems and aspire to acquire the skills necessary to configure a Windows Server 2012 or Windows Server 2012 R2 server in an existing Windows server environment and

- Windows Server administrators
- IT professionals who have experience in other non-Microsoft technologies.
- IT professionals who wish to take the Microsoft Certified Solutions Expert (MCSE) exams in Data Center, Messaging, Collaboration, and Communications.

## Pre Requisite

This course requires that student meet the following prerequisites, including that they have:

- Basic knowledge of networking fundamentals.
- Basic knowledge of AD DS concepts.
- An awareness and knowledge of security best practices.
- An understanding of server hardware.
- Experience working with, and configuring, Windows client operating systems, such as Windows 7 or Windows 8.

## Exams

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