

MCSA Windows Server 2012 Certification



Course Outline

Installing and Configuring Windows Server 2012 (Exam: 70-410)

Lesson 1: Planning, Installing, and Configuring Windows Server 2012

- Topic A: Introduction to Windows Server 2012
- Topic B: Describe Windows Server 2012 Management
- Topic C: Plan and Install Windows Server 2012
- Topic D: Configure Windows Server 2012

Lesson 2: Installing and Configuring an Active Directory Domain Controller

- Topic A: Overview of Active Directory
- Topic B: Install an Active Directory Domain Controller

Lesson 3: Administering Active Directory Objects

- Topic A: Design and Create an Active Directory Hierarchy
- Topic B: Manage Users
- Topic C: Manage Computers
- Topic D: Manage Groups
- Topic E: Delegate Administrative Tasks

Lesson 4: Automating Administrative Tasks

- Topic A: Introduction to Windows PowerShell
- Topic B: Use Windows PowerShell to Manage Active Directory Objects
- Topic C: Use Command-Line Tools to Administer Active Directory
- Topic D: Use Bulk Operations

Lesson 5: Configuring IPv4

- Topic A: Overview of the TCP/IP Protocol Suite
- Topic B: Describe IPv4 Addressing
- Topic C: Implement Subnetting and Supernetting
- Topic D: Configure and Troubleshoot IPv4

Lesson 6: Configuring IPv6

- Topic A:** Overview of IPv6
- Topic B:** Implement IPv6 Addressing
- Topic C:** Implement IPv6 and IPv4
- Topic D:** Transition from IPv4 to IPv6

Lesson 7: Installing and Configuring DHCP

- Topic A:** Install the DHCP Server Role
- Topic B:** Configure DHCP Scopes
- Topic C:** Manage a DHCP Database
- Topic D:** Secure and Monitor a DHCP Server

Lesson 8: Installing and Configuring DNS

- Topic A:** Overview of DNS
- Topic B:** Install and Configure the DNS Server Role

Lesson 9: Configuring Storage Spaces and File and Print Services

- Topic A:** Design and Implement Storage Spaces
- Topic B:** Secure Files and Folders
- Topic C:** Configure Offline Files and Shadow Copies
- Topic D:** Implement Network Printing

Lesson 10: Configuring Group Policy

- Topic A:** Create Group Policy Objects
- Topic B:** Group Policy Processing
- Topic C:** Implement a Central Store

Lesson 11: Securing Windows Servers

- Topic A:** Analyze Security
- Topic B:** Configure Windows Server User Security
- Topic C:** Configure Windows Server Software Security
- Topic D:** Configure Windows Firewall

Lesson 12: Installing and Configuring Virtual Servers and Clients

- Topic A:** Identify Virtualization Solutions
- Topic B:** Implement Hyper-V
- Topic C:** Configure Hyper-V
- Topic D:** Manage Virtual Networking

Administering Windows Server 2012 (Exam 70-411)**Lesson 1: Managing User and Service Accounts**

- Topic A:** Create and Modify User Accounts
- Topic B:** Create Managed Service Accounts

Lesson 2: Administering Group Policy

- Topic A:** Active Directory Group Policy
- Topic B:** Configure User Account Policies
- Topic C:** Configure Computer Account Policies
- Topic D:** Manage Group Policy

Lesson 3: Managing Network File Services

- Topic A:** Configure the File Server
- Topic B:** Implement the Distributed File System

Topic C: Encrypt Network Files
Topic D: Audit Resources

Lesson 4: Managing DNS

Topic A: Install and Configure a DNS Server
Topic B: Integrate Active Directory and DNS
Topic C: Configure Zone Transfers, Delegation, and Conditional Forwarding
Topic D: Configure DNSSEC
Topic E: Monitor and Troubleshoot DNS

Lesson 5: Managing Remote Access

Topic A: Implement Remote Access
Topic B: Install Network Policy Server
Topic C: Implement Network Access Protection

Lesson 6: Deploying Operating System Updates

Topic A: Install Windows Server Updates Services Role
Topic B: Deploy Updates

Lesson 7: Deploying Operating System Images

Topic A: Install Windows Deployment Services Role
Topic B: Create Images
Topic C: Deploy Images

Lesson 8: Monitoring System Resources

Topic A: Evaluate Event Logs
Topic B: Monitor Performance
Topic C: Use Data Collector Sets
Topic D: Configure Alerts
Topic E: Use Resource Monitor

Lesson 9: Managing Active Directory Services

Topic A: Implement Virtual Domain Controllers
Topic B: Implement Read-Only Domain Controllers
Topic C: Manage Domain Controllers
Topic D: Maintain Active Directory

Configuring Advanced Windows Server 2012 Services (Exam 70-412)**Lesson 1: Configuring Advanced DNS Services**

Topic A: Configure DNSSEC
Topic B: Configure Socket Pool and Cache Locking
Topic C: Implement Advanced DNS Settings

Lesson 2: Configuring Advanced DHCP Services

Topic A: Configure DHCP Scopes
Topic B: Set Up DHCP Name Protection
Topic C: Configure DHCP Failover
Topic D: Assign Policy Based Leases
Topic E: Implement DHCPv6

Lesson 3: Configuring IPAM

Topic A: Set Up IPAM
Topic B: Configure IPAM Settings

Lesson 4: Configuring iSCSI and iSNS

- Topic A:** Configure iSCSI
- Topic B:** Configure iSNS

Lesson 5: Managing DAC

- Topic A:** Set Up DAC
- Topic B:** Implement DAC

Lesson 6: Configuring Active Directory Domain Services

- Topic A:** Configure Forest and Domain
- Topic B:** Manage Sites
- Topic C:** Configure Trusts
- Topic D:** Manage Replication

Lesson 7: Managing Active Directory Certificate Services

- Topic A:** Install AD CS
- Topic B:** AD CS Administration
- Topic C:** Manage AD CS Certification

Lesson 8: Configuring AD RMS

- Topic A:** Install AD RMS
- Topic B:** Manage AD RMS

Lesson 9: Managing Active Directory Federation Services

- Topic A:** Configure AD FS
- Topic B:** Manage AD FS

Lesson 10: Configuring Hyper-V Virtual Machines

- Topic A:** Create VM Replicas in Hyper-V
- Topic B:** Migrate VMs

Lesson 11: Managing NLB

- Topic A:** Install NLB
- Topic B:** Configure NLB

Lesson 12: Configuring Failover Clusters

- Topic A:** Configure Cluster Networking
- Topic B:** Configure an FOC
- Topic C:** Configure Applications and Services in a FOC

Lesson 13: Implementing Disaster Recovery

- Topic A:** Configure Windows Server Backup
- Topic B:** Restore Windows Servers

Lesson 14: Configuring Additional Services

- Topic A:** Configure BranchCache
- Topic B:** Configure Advanced File Services
- Topic C:** Configure ReFS and Storage Spaces
- Topic D:** Set Up BitLocker