

Microsoft MCSA: Windows Server 2012

This intermediate Microsoft Server 2012 training provides valuable skills for managing and configuring Windows Server 2012, including Hyper-V, Active Directory, Group Policy, and network configurations. This course aligns with the exam objectives in the MCSA: Server 2012(70-410, 70-411, and 70-412). These skills are still highly relevant for systems administrators looking to enhance their expertise in server management and infrastructure.

[CBT Nuggets course material](#) →

WEEK 1

Microsoft Windows Server 2012: Installing and Configuring (70-410): Introduction **160 min.**

Supplemental File	1
Introduction to 70-410: Installing and Configuring Windows Server 2012 R2	1

Microsoft Windows Server 2012: Installing and Configuring (70-410): Install and Configure Servers

Plan for a Server Installation	8
Install Windows Server	7
Install Server Core	6
Plan for a Server Upgrade	5
Plan for Server Roles	17
Migrate Roles	5
Features on Demand	15
Configure Server Core	16
Convert Server Core to/from Full GUI	8
Delegate Administration	7
Configure NIC Teaming	10
Configure Services	10
Deploy Roles on Remote Servers	12
Add and Remove Features in Offline Images	16
Configure PowerShell Desired State Configuration	16

WEEK 2

152 min.

Configure MBR and GPT Disks	18
Configure Basic and Dynamic Disks	9
Manage Volumes	10

Create and Mount VHDs	7
Design Storage Spaces	8
Configure Storage Pools	16
Create Storage Pools by Using Disk Enclosures	4

Microsoft Windows Server 2012: Installing and Configuring (70-410): Configure Server Roles and Features

The Configure Server Roles and Features Section	5
Create and Configure Shares	13
Configure Share Permissions	15
Configure NTFS Permissions	11
Configure Access-based Enumeration	8
Configure Volume Shadow Copy Service	9
Configure NTFS Quotas	10
Configure Offline Files	9

WEEK 3

152 min.

Configure Work Folders	15
Configure Enterprise Print Management	13
Configure Drivers and the Easy Print Driver	14
Configure Printer Pooling	9
Configure Print Priorities	7
Configure Printer Permissions	8
Configure WinRM	12
Configure Down-level Server Management	12
Configure Servers for Day-to-Day Management Tasks	12
Configure Multi-server Management	10
Configure Server Core	5

Configure Windows Firewall	14
Manage Non-domain Joined Servers	8

Microsoft Windows Server 2012: Installing and Configuring (70-410): Configure Hyper-V

The Configure Hyper-V Section	6
Hyper-V Fundamentals	7

WEEK 4

153 min.

Create and Configure Generation 1 and 2 Virtual Machines	14
Configure Dynamic Memory	12
Configure Smart Paging	7
Configure Resource Metering	9
Configure Guest Integration Services	8
Configure Enhanced Session Mode and RemoteFX	8
Create VHDs and VHDXs	14
Create Differencing Drives	12
Modify VHDs	11
Configure Pass-through Disks	4
Manage Checkpoints	10
Implement a Virtual Fibre Channel Adapter	6
Configure Storage Quality of Service	13
Configure Hyper-V Virtual Switches	9
Optimize Network Performance	8
Configure MAC Addresses	8

WEEK 5

152 min.

Configure Network Isolation	6
Configure Synthetic and Legacy Virtual Network Adapters	8
Configure NIC Teaming in Virtual Machines	7

Microsoft Windows Server 2012: Installing and Configuring (70-410): Deploy and Configure Core Network Services

The Deploy and Configure Core Network Services Section	3
IP Fundamentals	16
Configure IP Address Options	14
Configure Interoperability between IPv4 and IPv6	14
DHCP Fundamentals	14
Authorize DHCP Server	5
Create and Configure Scopes	11
Configure DHCP Options	9
Configure a DHCP Reservation	6
Configure Client and Server for PXE Boot	9
Configure DHCP Relay Agent	17
DNS Fundamentals	13

WEEK 6

153 min.

Configure Active Directory Integration of Primary Zones	17
Configure Forwarders and Root Hints	9
Create A and PTR Resource Records	10

Microsoft Windows Server 2012: Installing and Configuring (70-410): Install and Administer Active Directory

Manage DNS Cache	10
The Install and Administer Active Directory Section	7
Active Directory Fundamentals	17
Install Domain Controllers	21
Create and Manage Active Directory Users and Computers	31
Create and Manage Active Directory Groups and OUs	27
The Create and Manage Group Policy Section	4

WEEK 7

171 min.

Create Group Policy Objects	21
Configure Security Policies	24
Configure Application Restriction Policies	21
Configure Windows Firewall	17
Good Luck!	4

Microsoft Windows Server 2012: Administering (70-411)

Supplemental Files	1
Introduction to 70-411: Administering Windows Server 2012 R2	6
The Deploy Manage and Maintain Servers Section	4
Install and Configure Windows Deployment Services (WDS)	13
Deploy and Manage Server Images	23
Install and Configure Windows Server Update Services (WSUS)	13
Implement Patch Management	23

WEEK 8**158 min.**

Monitor Servers	23
The Configure File and Print Services Section	3
Install and Configure Distributed File System (DFS)	20
Manage Distributed File System (DFS)	20
Configure File Server Resource Manager (FSRM)	22
Configure File and Disk Encryption	24
Configure Advanced Audit Policies	19
The Configure Network Services and Access Section	5
Configure DNS Zones	22

WEEK 9**152 min.**

Configure DNS Records	20
Install and Configure Remote Access	16
Configure VPN	18
Configure Web Application Proxy	12
Configure DirectAccess	24
The Configure a Network Policy Server (NPS) Infrastructure Section	4
Configure Network Policy Server	24
Configure NPS Policies	14
Configure Network Access Protection	20

WEEK 10**153 min.**

The Configure and Manage Active Directory Section	5
Configure Service Authentication	20

Configure Domain Controllers	26
Maintain Active Directory	25
Configure Account Policies	11
The Configure and Manage Group Policy Section	5
Configure Group Policy Processing	22
Configure Group Policy Settings	26
Manage Group Policy Objects (GPOs)	13

WEEK 11**19 min.**

Configure Group Policy Preferences (GPP)	17
Supplemental files	1