

20410

**Installing and
Configuring Windows
Server 2012**

5 DAYS

Get hands-on instruction and practice installing and configuring Windows Server 2012, including Windows Server 2012 R2, in this five-day Microsoft Official Course. This course is part one in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment.

Module 1: Implementing IPv4

Overview of TCP/IP
Understanding IPv4 Addressing
Subnetting and Supernetting
Configuring and Troubleshooting IPv4

Module 2: Implementing Dynamic Host Configuration Protocol

Installing a DHCP Server Role
Configuring DHCP Scopes
Managing a DHCP Database
Securing and Monitoring DHCP

Module 3: Implementing DNS

Name Resolution for Windows Clients and Servers
Installing a DNS Server
Managing DNS Zones

Module 4: Deploying and Managing Windows Server 2012

Windows Server 2012 R2 Overview
Installing Windows Server 2012 R2
Post-Installation Configuration of Windows Server 2012 R2
Overview of Windows Server 2012 R2 Management
Introduction to Windows PowerShell

Module 5: Introduction to Active Directory Domain Services

Overview of AD DS
Overview of Domain Controllers
Installing a Domain Controller

Module 6: Managing Active Directory Domain Services Objects

Managing User Accounts
Managing Groups
Managing Computer Accounts
Delegating Administration

Module 7: Automating Active Directory Domain Services Administration

Using Command-line Tools for AD DS Administration

Using Windows PowerShell for AD DS Administration

Performing Bulk Operations with Windows PowerShell

Module 8: Implementing IPv6

Overview of IPv6

IPv6 Addressing

Coexistence with IPv4

IPv6 Transition Technologies

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 by Using Shadow Copies

Configuring Work Folders

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 Operating Systems Security Overview

Configuring Security Settings

Restricting Software

Configuring Windows Firewall with Advanced Security

Module 13: Implementing Server Virtualization with Hyper-V

Overview of Virtualization Technologies

Implementing Hyper-V

Managing Virtual Machine Storage

Managing Virtual Networks