

Course Details

Course 20687A

Configuring Windows 8

Length: 5 Days

Published: January 14, 2013

Language(s): English

Audience(s): IT Professionals

Level: 200

Technology: Windows 8

Type: Course

Delivery Method: Instructor-led (classroom)

Prerequisites

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

Networking fundamentals, including Transmission Control Protocol /Internet Protocol (TCP/IP), User Datagram Protocol (UDP), and Domain Name System (DNS)

Microsoft Active Directory Domain Services (AD DS) principles and fundamentals of AD DS management

Understanding of the Public Key Infrastructure (PKI) components and working knowledge of the fundamentals of Active Directory Certificate Services (AD CS)

Microsoft Windows Server 2008 or Windows Server 2008 R2 fundamentals

Microsoft Windows Client fundamentals; for example, working knowledge of Windows XP, Windows Vista, and/or Windows 7

Fundamentals of management and experience using the Microsoft Office 2010 system or the Microsoft Office 2007 system

Windows Automated Installation Kit (WAIK) components including Windows PE, Windows SIM, VAMT, ImageX, USMT, and DISM concepts and fundamentals

Course Outline

Module 1: Installing Windows 8

- Introducing Windows 8
- Preparing to Install Windows 8
- Installing Windows 8
- Automating the Installation of Windows 8
- Activating Windows 8

Module 3: Managing Disks and Device Drivers

- Managing Disks, Partitions, and Volumes
- Maintaining Disks, Partitions, and Volumes
- Working with Virtual Hard Disks
- Installing and Configuring Device Drivers

Module 2: Upgrading and Migrating to Windows 8

- Upgrading to Windows 8
- Migrating to Windows 8
- Migrating User Data and Settings

Module 4: Configuring and Troubleshooting Network Connections

- Configuring IPv4 Network Connectivity
- Configuring IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Implementing Name Resolution
- Troubleshooting Network Connectivity

Module 5: Implementing Wireless Network Connections

- Overview of Wireless Networks
- Implementing a Wireless Network

Module 7: Configuring File Access and Printers on Windows 8 Clients

- Managing File Access
- Managing Shared Folders
- Configuring File Compression
- Managing Printers
- Overview of SkyDrive

Module 9: Configuring Applications

- Install and Configure Applications
- Managing Apps from the Windows Store
- Configuring Internet Explorer Settings
- Configuring Application Restrictions in the Enterprise

Module 11: Configuring Mobile Computing and Remote Access

- Configuring Mobile Computers and Device Settings
- Configuring VPN Access
- Configuring Remote Desktop and Remote Assistance
- Overview of DirectAccess

Module 13: Troubleshooting and Recovering Windows 8

- Backing Up and Restoring Files in Windows 8
- Recovery Options in Windows 8

Module 6: Implementing Network Security

- Overview of Threats to Network Security
- Configuring Windows Firewall
- Securing Network Traffic
- Configuring Windows Defender

Module 8: Securing Windows 8 Desktops

- Authentication and Authorization in Windows 8
- Implementing GPOs
- Securing Data with EFS and BitLocker
- Configuring User Account Control

Module 10: Optimizing and Maintaining Windows 8 Client Computers

- Optimizing the Performance of Windows 8
- Managing the Reliability of Windows 8
- Managing Windows 8 Updates

Module 12: Implementing Hyper-V

- Overview of Hyper-V
- Creating Virtual Machines
- Managing Virtual Hard Disks
- Managing Snapshots

Module 14: Using Windows PowerShell

- Introduction to Windows PowerShell 3.0
- Windows PowerShell Remoting
- Using Windows PowerShell Cmdlets