

6292 Installing and Configuring Windows 7 Client

Days of Training: 3

Overview

This three-day instructor-led course is intended for IT professionals who are interested in expanding their knowledge base and technical skills about Windows 7 Client. In this course, students learn how to install, upgrade, and migrate to Windows 7 client. Students then configure Windows 7 client for network connectivity, security, maintenance, and mobile computing.

Prerequisites

- Experience installing PC hardware and devices, and understanding of TCP/IP and networking concepts.
- Basic Windows and Active Directory knowledge, and the skills to map network file shares.
- Basic knowledge of the fundamentals of applications, understanding of security concepts and of the principles of using printers.

At Course Completion

After completing this course, students will be able to:

- Describe the key features, editions, and hardware requirements of Windows 7.
- Perform a clean installation of Windows 7.
- Upgrade and Migrate to Windows 7 from an earlier version of Windows.
- Perform an image-based installation of Windows 7.
- Resolve common application compatibility issues.

Lesson 1: Installing, Upgrading, and Migrating to Windows 7

Preparing to Install Windows 7
Performing a Clean Installation of Windows 7
Upgrading and Migrating to Windows 7
Performing Image-based Installation of Windows 7
Configuring Application Compatibility

Lesson 2: Configuring Disks and Device Drivers

Partitioning Disks in Windows 7
Managing Disk Volumes
Maintaining Disks in Windows 7
Installing and Configuring Device Drivers

Lesson 3: Configuring File Access and Printers on Windows 7 Client Computers

Overview of Authentication and Authorization
Managing File Access in Windows 7
Managing Shared Folders
Configuring File Compression
Managing Printing

Lesson 4: Configuring Network Connectivity

Configuring IPv4 Network Connectivity
Configuring IPv6 Network Connectivity
Implementing Automatic IP Address Allocation
Overview of Name Resolution
Troubleshooting Network Issues

Lesson 5: Configuring Wireless Network Connections

Overview of Wireless Networks
Configuring a Wireless Network

Lesson 6: Securing Windows 7 Desktops

Overview of Security Management in Windows 7
Securing a Windows 7 Client Computer by Using Local Security Policy Settings
Securing Data by Using EFS and BitLocker
Configuring Application Restrictions
Configuring User Account Control
Configuring Windows Firewall
Configuring Security Settings in Internet Explorer 8
Configuring Windows Defender

Lesson 7: Optimizing and Maintaining Windows 7 Client Computers

Maintaining Performance by Using the Windows 7 Performance Tools
Maintaining Reliability by Using the Windows 7 Diagnostic Tools
Backing Up and Restoring Data by Using Windows Backup
Restoring a Windows 7 System by Using System Restore Points
Configuring Windows Update

Lesson 8: Configuring Mobile Computing and Remote Access in Windows 7

Configuring Mobile Computer and Device Settings
Configuring Remote Desktop and Remote Assistance for Remote Access
Configuring DirectAccess for Remote Access
Configuring BranchCache for Remote Access

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