

## Course Details

# Course 6292A

## Installing and Configuring Windows 7 Client

Length: 3 Days

Published: January 14, 2013

Language(s): English, Chinese (Simplified), French, German, Japanese, Portuguese (Brazil)

Audience(s): IT Professionals

Level: 200

Technology: Windows 7

Type: Course

Delivery Method: Instructor-led (classroom)

## Prerequisites

Before attending this course, students must have:

- Experience installing PC hardware and devices.
- Basic understanding of TCP/IP and networking concepts.
- Basic Windows and Active Directory knowledge.
- The skills to map network file shares.
- Experience working from a command prompt.
- Basic knowledge of the fundamentals of applications. For example, how client computer applications communicate with the server.
- Basic understanding of security concepts such as authentication and authorization.
- An understanding of the fundamental principles of using printers.

## Course Outline

### Module 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

### Module 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

### Module 2: Configuring Disks and Device Drivers

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

### Module 4: Configuring Network Connectivity

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

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## Module 5: Configuring Wireless Network Connections

- Overview of Wireless Networks
- Configuring a Wireless Network

## Module 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

## Module 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

## Module 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