

Windows 7, Configuring Technology Specialist Course

Course 50321A

5 Days

Description

This five-day instructor-led course provides students with the knowledge and skills to install, deploy, and upgrade to Windows 7. Additionally, students should be able to configure pre-installation and post-installation system settings, Windows security features, network connectivity applications included with Windows 7, and mobile computing. Students should also be able to maintain systems, including monitoring for and resolving performance and reliability issues.

Prerequisites

The course assumes that students have the following skills:

- A+ certification or equivalent knowledge.
- Network+ certification or equivalent knowledge.
- Basic Understanding of Windows PowerShell syntax.
- At least one year experience in IT field, particularly in IT support and administrator area.

Microsoft Certification

This course will help you prepare for the following Microsoft Certification Exam(s):

- 70-680 TS: Windows 7, Configuring

Course Outline:

Module 1: Introduction to Windows 7

This module explains what's news in Windows 7 and overview of key features in Windows 7.

Lessons

- What's news in Windows 7
- Security Enhancements
- Usability Enhancements
- Manageability Enhancements

Lab : Exploring Windows 7

- Using Windows 7 User Interface
- Using Windows Search in Windows 7
- Using Windows Internet Explorer 8.0

After completing this module, students will be able to:

- Explain the new features introduced in Windows 7
- Explain the key enhancements in Windows 7
- Explain the new features introduced in Windows Internet Explorer 8.0

Module 2: Installing Windows 7

This module explains how to install Windows 7 and understand the system requirements of installing Windows 7.

Lessons

- Understanding System Requirements
- Preparing for installation
- Performing installation
- Advanced installation options

Lab : Installing Windows 7

- Performing a Windows 7 Installation
- Performing Post Installation Check

After completing this module, students will be able to:

- Perform a clean installation of Windows 7
- Explain different installation method
- Perform advanced installation

Module 3: Upgrading to Windows 7

This module explains the procedure and requirements of upgrading to Windows 7.

Lessons

- Preparing system for upgrade
- Performing upgrade
- Performing post migration tasks

Lab : Upgrading to Windows 7

- Preparing system for upgrade
- Loading Saved State to upgraded PC

After completing this module, students will be able to:

- Perform an upgrade installation of Windows 7
- Explain the key of using USMT
- Perform data migration with USMT

Module 4: Deploying Windows 7

This module explains the process of deploying Windows 7.

Lessons

- Understand deployment tools for Windows 7
- Preparing a Windows 7 system for imaging
- Deploying Windows 7 with Imaging
- Configuring Virtual Hard Drives

Lab : Deploying Windows 7

- Preparing system for imaging
- Deploying Windows 7 with Imaging
- Configuring Virtual Hard Drives

After completing this module, students will be able to:

- Explain different tools for deploying Windows 7
- Prepare a Windows 7 system for imaging
- Perform an deployment of Windows 7 with imaging
- Configure a Virtual Hard Drives

Module 5: Configuring Hardware in Windows 7

This module explains how to configure hardware for Windows 7.

Lessons

- Managing Device Drivers
- Managing Disks
- Managing Printers

Lab : Configuring Hardware

- Managing Device Drivers
- Managing Disks
- Managing Printers

After completing this module, students will be able to:

- Manage device and drivers in Windows 7
- Manage disk devices in Windows 7

Module 6: Configuring Network in Windows 7

This module explains how to configure network and networking services with Windows 7.

Lessons

- Configuring Network Connectivity
- Using IPv4 in Windows 7
- Using IPv6 in Windows 7
- Configuring Windows Firewall

Lab : Installing Windows 7

- Configuring IPv6
- Configuring Windows Firewall

After completing this module, students will be able to:

- Configure network connectivity in Windows 7
- Configure IPv4 and IPv6 in Windows 7
- Configure Windows Firewall in Windows 7

Module 7: Configuring Applications in Windows 7

This module explains how to configure applications for running on Windows 7.

Lessons

- Configuring Application Compatibility
- Configuring Application Restrictions

Lab : Configuring Applications

- Using Application Compatibility Toolkit
- Using AppLocker

After completing this module, students will be able to:

- Configure application compatibility in Windows 7
- Configure application restriction in Windows 7

Module 8: Configuring Mobile Computing in Windows 7

This module explains how to configure Windows 7 for mobile computing.

Lessons

- Configuring Mobility Options
- Configuring VPN
- Configuring DirectAccess
- Configuring BitLocker

Lab : Configuring Hardware

- Using VPN
- Using BitLocker
- Using DirectAccess

After completing this module, students will be able to:

- Configure VPN in Windows 7
- Configuring mobility options in Windows 7
- Using DirectAccess with Windows 7
- Using BitLocker with Windows 7

Module 9: Remote Management in Windows 7

This module explains how to configure Windows 7 for remote support and management.

Lessons

- Using Remote Desktop and Remote Assistance
- Using WinRM and WinRS
- Using PowerShell

Lab : Using Remote Management

- Using Remote Desktop
- Using WinRM and WinRS
- Using PowerShell

After completing this module, students will be able to:

- Configure Windows 7 for remote management with Remote Desktop
- Use WinRM and WinRS to manage computer remotely
- Use PowerShell to manage Windows 7 locally and remotely

Module 10: Configuring Access to Resources in Windows 7

This module explains procedure for configure Windows 7 to access resources.

Lessons

- Managing Shared Resources
- Configuring File and Folder Access
- Configuring BranchCache

Lab : Configuring Access to Resources

- Using Folder Virtualization
- Configuring NTFS Permission
- Using BranchCache

After completing this module, students will be able to:

- Manage shared resources in Windows 7
- Control access to file resources with NTFS permission
- Configure BranchCache

Module 11: Configuring Security in Windows 7

This module explains how to configure security for Windows 7.

Lessons

- Configuring User Account Control
- Configuring Windows Update
- Configuring Auditing

Lab : Configuring Security

- Using UAC
- Configuring Windows Update
- Configuring Auditing

After completing this module, students will be able to:

- Configure UAC in Windows 7
- Configure Windows Update in Windows 7
- Configure Auditing in Windows 7

Module 12: Managing Windows 7

This module explains how to manage a Windows 7.

Lessons

- Managing Events

- Managing Performance
- Using Windows Troubleshooting Pack

Lab : Managing Windows 7

- Configuring Event Forwarding
- Configuring Performance configurations
- Using Windows Troubleshooting Pack

After completing this module, students will be able to:

- Manage and monitor events in Windows 7
- Manage and monitor performance in Windows 7
- Use Windows Troubleshooting Pack to troubleshoot problems in Windows 7

Module 13: Configuring Backup and Recovery Options in Windows 7

This module explains how to install backup, restore and recover a Windows 7.

Lessons

- Using File Recovery options
- Configuring Backup
- Recover Windows 7 system

Lab : Configuring Backup and Recovery Options

- Using Previous Version
- Performing backup
- Recover Windows 7

After completing this module, students will be able to:

- Use different file recovery options to recover deleted or corrupted files
- Perform backup in Windows 7
- Recover a Windows 7 installation