

# Windows 7, Configuring Technology Specialist Course

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50321A

5 day

## Course Summary and Lessons

### Lessons Introduction to Windows 7

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

#### Lab : Exploring Windows 7

- Exercise 1: Using Windows 7 User Interface
- Exercise 2: Using Windows Search in Windows 7
- Exercise 3: 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

### Lessons Installing Windows 7

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

#### Lab : Installing Windows 7

- Exercise 1: Performing a Windows 7 Installation
- Exercise 2: 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

## **Lessons     Upgrading to Windows 7**

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

Lab : Upgrading to Windows 7

- Exercise 1: Preparing system for upgrade
- Exercise 2: 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

## **Lessons     Deploying Windows 7**

- 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

- Exercise 1: Preparing system for imaging
- Exercise 2: Deploying Windows 7 with Imaging
- Exercise 3: 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

## **Lessons     Configuring Hardware in Windows 7**

- Managing Device Drivers
- Managing Disks
- Managing Printers

### Lab : Configuring Hardware

- Exercise 1: Managing Device Drivers
- Exercise 2: Managing Disks
- Exercise 3: Managing Printers

After completing this module, students will be able to:

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

## **Lessons     Configuring Network in Windows 7**

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

### Lab : Installing Windows 7

- Exercise 1: Configuring IPv6
- Exercise 2: 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

## **Lessons     Configuring Applications in Windows 7**

- Configuring Application Compatibility
- Configuring Application Restrictions

## Lab : Configuring Applications

- Exercise 1: Using Application Compatibility Toolkit
- Exercise 2: Using AppLocker

After completing this module, students will be able to:

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

## **Lessons     Configuring Mobile Computing in Windows 7**

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

## Lab : Configuring Hardware

- Exercise 1: Using VPN
- Exercise 2: Using BitLocker
- Exercise 3: 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

## **Lessons     Remote Management in Windows 7**

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

## Lab : Using Remote Management

- Exercise 1: Using Remote Desktop
- Exercise 2: Using WinRM and WinRS
- Exercise 3: 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

## **Lessons     Configuring Access to Resources in Windows 7**

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

Lab : Configuring Access to Resources

- Exercise 1: Using Folder Virtualization
- Exercise 2: Configuring NTFS Permission
- Exercise 3: 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

## **Lessons     Configuring Security in Windows 7**

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

Lab : Configuring Security

- Exercise 1: Using UAC
- Exercise 2: Configuring Windows Update
- Exercise 3: 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

## **Lessons    Managing Windows 7**

- Managing Events
- Managing Performance
- Using Windows Troubleshooting Pack

### Lab : Managing Windows 7

- Exercise 1: Configuring Event Forwarding
- Exercise 2: Configuring Performance configurations
- Exercise 3: 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

## **Lessons    Configuring Backup and Recovery Options in Windows 7**

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

### Lab : Configuring Backup and Recovery Options

- Exercise 1: Using Previous Version
- Exercise 2: Performing backup
- Exercise 3: Recover Windows 7