

M55345B : Implementing and Managing Windows 11

Course Outline

Module 1: Installing Windows 11

This module introduces the new features of Windows 11, its hardware requirements, and the interactive installation process. It also covers deployment options for larger networks and reviews the updated user interface.

Lessons

- Introducing Windows 11
- Installing Windows 11

Lab

- Performing a Windows 11 installation
- Navigating the Windows 11 user interface

Key Takeaways

- Describe Windows 11 features
- Choose an appropriate Windows 11 edition
- Navigate the user interface
- Describe installation and deployment options

Module 2: Upgrading and Updating Windows 11

This module explores upgrade and migration options, user state migration, and managing updates for Windows 11.

Lessons

- Upgrading to Windows 11
- Migrating user state
- Managing Windows 11 updates

Lab

- Performing an upgrade from Windows 10
- Migrating user state from Windows 10
- Configuring and managing Windows 11 updates

Key Takeaways

- Compare upgrade and migration options
- Migrate user state
- Manage Windows 11 updates

Module 3: Configuring Windows 11 Devices

This module focuses on post-installation configuration tasks using tools like Settings, Control Panel, and PowerShell.

Lessons

- Local configuration tools in Windows 11
- Using Windows Admin Center
- Using Windows PowerShell
- Implementing Remote Management

Lab

- Configuring devices with Windows Admin Center
- Configuring devices with Windows PowerShell

Key Takeaways

- Select appropriate configuration tools
- Perform common configuration tasks
- Implement remote management

Module 4: Configuring Network Connectivity

Learn how to configure network settings, including setting up and managing a VPN.

Lessons

- Configuring network connectivity
- Implementing name resolution
- Implementing remote access

Lab

- Configuring IPv4 settings
- Configuring and testing name resolution
- Configuring a VPN

Key Takeaways

- Configure network settings
- Implement name resolution
- Describe remote access options

Module 5: Managing Storage

This module covers managing local storage, configuring remote storage like OneDrive, and enabling Storage Spaces.

Lessons

- Overview of storage options
- Managing local storage
- Managing Storage Spaces

Lab

- Managing a simple volume
- Creating a storage space

Key Takeaways

- Describe storage configurations
- Manage disks, volumes, and partitions
- Manage Storage Spaces

Module 6: Managing Resources

Learn about file system configurations, managing shared files and folders, implementing Work Folders, and managing printers.

Lessons

- Configuring and managing file access
- Configuring and managing shared folders
- Implementing Work Folders
- Managing printers

Lab

- Creating, managing, and sharing folders
- Implementing Work Folders
- Managing printers

Key Takeaways

- Manage file access and shared folders
- Implement Work Folders
- Manage printers

Module 7: Managing Apps in Windows 11

This module discusses app deployment, troubleshooting, and configuring Microsoft Edge browser settings.

Lessons

- Deploying apps
- Managing access to the Microsoft Store
- Configuring Microsoft Edge

Lab

- Restricting access to the Microsoft Store
- Configuring Microsoft Edge
- Enabling Application Guard

Key Takeaways

- Choose app deployment methods
- Configure access to the Microsoft Store
- Configure Microsoft Edge

Module 8: Implementing and Managing Security

Explore security threats, mitigation strategies, account management, data security features, and network traffic security.

Lessons

- Managing user and group accounts
- Configuring User Account Control (UAC)
- Implementing BitLocker
- Implementing Windows 11 security features
- Securing against network threats

Lab

- Configuring local security policy settings
- Implementing BitLocker
- Configuring Windows Defender Firewall

Key Takeaways

- Manage local accounts
- Configure UAC and BitLocker
- Describe Windows 11 security features and threats

Module 9: Monitoring Windows 11

Learn to identify and resolve performance issues using monitoring tools and event logs.

Lessons

- Monitoring Windows 11
- Optimizing Windows 11 performance

Lab

- Working with events
- Reviewing performance with Resource Monitor and Performance Monitor

Key Takeaways

- Describe monitoring options in Windows 11
- Identify performance issues
- Optimize workloads and resources

Module 10: Troubleshooting Windows 11

Gain skills in recovering from startup issues, managing devices and drivers, and file recovery.

Lessons

- Managing Windows 11 startup
- Recovering Windows 11
- Managing devices and drivers
- Understanding the registry
- Recovering files

Lab

- Managing device drivers
- Recovering files using File History
- Recovering a device with a restore point

Key Takeaways

- Recover Windows 11 computers and files
- Manage Windows startup and registry
- Handle devices and drivers