20697-1 - Installing and Configuring Windows 10

Duration: **5 days**

Overview:

This course is designed to provide students with the knowledge and skills required to install and configure Windows 10 desktops and devices in a Windows Server domain corporate environment. These skills include learning how to install and customize Windows 10 operating systems and apps, and configure local and remote network connectivity and storage. Students will also learn how to configure data security, device security, and network security, and maintain, update, and recover Windows 10.

Target Audience:

This course is intended for IT professionals who administer and support Windows 10 desktops, devices, users, and associated network and security resources. Students who seek certification in the 70-697 Windows 10 Configuring exam will also benefit from this course. This course is also intended to provide skills for Enterprise Desktop/Device Support Technicians (EDSTs) who provide Tier 2 support to users who run Windows 10 desktops and devices within a Windows domain environment in medium to large enterprise organisations.

Pre-requisites:

Before attending this course, students must have:

- At least two years of experience in the IT field.
- Knowledge of networking fundamentals, including Transmission Control Protocol /Internet Protocol (TCP/IP), User Datagram Protocol (UDP), and Domain Name System (DNS).
- Knowledge of Microsoft Active Directory Domain Services (AD DS) principles and fundamentals of AD DS management.
- Understanding of Windows Server 2008 R2 or Windows Server 2012 fundamentals.

Read more...

Module 1: Overview of Windows 10

Lessons
- Introducing Windows 10
- Navigating the User Interface

Lab : Navigating and Customising the User Interface
- Navigating Windows 10
- Configuring the Start Menu
- Configuring the Desktop

Module 2: Installing Windows 10

Lessons
- Preparing to Install Windows 10
- Upgrading to Windows 10

Lab : Installing Windows 10
- Upgrading Windows 7 to Windows 10
- Migrating User Settings

Module 3: Configuring Your Device

Lessons
- Overview of Tools Used to Configure Windows 10
- Common Configuration Options
- Managing User Accounts
- Using OneDrive

Lab : Configuring Windows 10
- Using Settings
- Using Control Panel
- Using Windows PowerShell
- Using GPOs

Lab : Synchronising Settings with OneDrive
- Connecting a Microsoft Account
- Synchronising Settings between Devices

Module 4: Configuring Network Connectivity

Lessons
- Configuring IP Network Connectivity
- Implementing Name Resolution
- Implementing Wireless Network Connectivity
- Overview of Remote Access

Lab : Configuring Network Connectivity
- Configuring IP Settings Manually
- Configuring Automatic IP Settings
- Configuring DNS Settings
- Testing Name Resolution

Module 5: Managing Storage

Lessons
- Overview of Storage Options
- Managing Disks, Partitions, and Volumes
- Maintaining Disks and Volumes
- Managing Storage Spaces

Lab : Managing Storage
- Adding a Disk
- Creating a Simple Volume
- Compressing a Folder
- Enabling Disk Quotas
- Creating a Storage Space

Module 6: Managing Files and Printers

Lessons
- Overview of File Systems
- Configuring and Managing File Access
- Configuring and Managing Shared Folders
- Work Folders
- Managing Printers

Lab : Creating, Securing, and Sharing a Folder
- Creating and Securing a Data Folder
- Sharing the Data Folder

Lab : Enabling Work Folders
- Configuring Work Folders

Lab : Installing and Sharing a Printer
- Installing and Sharing a Printer

Module 7: Managing Apps in Windows 10

Lessons
- Overview of Methods Used to Provide Apps to Users
- The Windows Store
- Web Browsers

Lab : Installing and Updating Apps from the Windows Store
- Installing Apps from the Windows Store
- Updating Windows Store Apps
- Controlling Access to the Windows Store
- Sideloading an App

Lab : Configuring Windows 10 Web Browsers
- Configuring Web Browsers

At Course Completion:

After completing this course, students will be able to:

- Describe the important new features of Windows 10.
- Install Windows 10.
- Configure a device running Windows 10.
- Configure network connectivity for a Windows 10 device.
- Manage storage in Windows 10.
- Manage folders and printers.
- Manage apps.
- Manage data security.
- Manage device security.
- Implement Windows 10 features to improve network security.
- Monitor and update Windows 10 devices.
- Restore files, roll back drivers, and recover Windows 10 devices.

Module 8: Managing Data Security

Lessons
- Overview of Data-Related Security Threats
- Securing Data with EFS
- Implementing and Managing BitLocker

Lab : Managing Data Security
- Using EFS
- Using BitLocker

Module 9: Managing Device Security

Lessons
- Using Security Settings to Mitigate Threats
- Configuring User Account Control

Lab : Managing Device Security
- Creating Security Policies
- Testing Security Policies
- Configuring UAC Prompts

Module 10: Managing Network Security

Lessons
- Overview of Network-Related Security Threats
- Windows Firewall
- Connection Security Rules
- Windows Defender

Lab : Managing Network Security
- Creating and Testing Inbound Rules
- Creating and Testing Outbound Rules
- Creating and Testing Connection Security Rules
- Configuring Windows Defender

Module 11: Maintaining Windows 10

Lessons
- Updating Windows 10
- Monitoring Windows 10
- Optimising Performance

Lab : Maintaining Windows 10
- Configuring Updates for a Single Device
- Configuring Updates with GPOs
- Using the Action Center
- Monitoring Events
- Monitoring Reliability and Performance

Module 12: Troubleshooting and Recovery

Lessons
- Managing Devices and Drivers
- Recovering Files
- Recovering Devices

Lab : Troubleshooting and Recovery
- Installing an Updated Device Driver
- Rolling Back the Device Driver
- Using File History to Recover Files
- Using Previous Versions to Recover Files
- Recovering a Device with a Restore Point
- Using the Advanced Start-up Options to Recover a Device