

# 70-697: Configuring Windows Devices

## Course Overview

This course will teach students about what's new in Windows 10, Windows 10 deployment, deploying virtual Windows 10 desktops, configuring device settings, connecting Windows 10 to networks, sharing data and printers, managing apps, securing Windows 10 devices, monitoring and maintaining Windows 10, managing users in the enterprise, managing desktops and applications in the enterprise, and managing devices in the enterprise.

<b><u>Course Introduction</u></b>	4m
Course Introduction	
<b><u>Chapter 01 - What's New in Windows 10</u></b>	1h 1m
Topic A: What Makes Windows 10 Different?	
What Makes Windows 10 Different?	
Topic B: Primary Feature Overview	
Primary Feature Overview	
Topic C: Navigating and Using Windows 10	
Demo - Exploring the Start Menu	
Start Menu and Desktop	
Demo - Windows 10 User Experience	
Cortana	
Demo - Using Cortana to Search	
The Settings App	
Demo - Exploring the Settings App	
Chapter 01 Review	
<b><u>Chapter 02 - Windows 10 Deployment</u></b>	2h 6m
Topic A: Standard Windows 10 Deployment	
Preparing for Installation	
Demo - Exploring Windows Editions	
32-bit and 64-bit	
Demo - Windows ADK	
Installation Options	
Demo - Installing Windows 10	
Upgrading and Migrating	
Demo - Performing Upgrade from Windows 7	
Migration	
Demo - Reverting an Upgraded Computer	
Topic B: Enterprise Deployment Strategies	
Overview of Image Based Deployment	
Automating Installations	
Demo - Using SYSPREP	
Windows PE	

Demo - Working with DISM  
Windows Activation  
Chapter 02 Review

**Chapter 03 - Deploying Virtual Windows 10 Desktops**

39m

Topic A: Introduction to Client Hyper-V  
Introduction to Client Hyper-V  
Demo - Installing and Managing Hyper-V  
Topic B: Creating Virtual Machines  
Creating Virtual Machines  
Demo - Creating Virtual Machines  
Topic C: Managing Virtual Machine Storage and Snapshots  
Managing Virtual Machine Storage and Snapshots  
Demo - Managing Hard Drives and Snapshots  
Chapter 03 Review

**Chapter 04 - Configuring Device Settings**

2h 9m

Topic A: Overview of Configuration Tools  
Overview of Configuration Tools  
Demo - Overview of Management Tools  
Topic B: Common Configuration Options  
Common Configuration Options  
Demo - Using the Settings App  
Topic C: Managing User Accounts  
Managing User Accounts  
Demo - Working with User Accounts  
Benefits of Domain-based Environments and User Accounts  
Demo - Working with Domain Accounts  
Topic D: Using Control Panel  
Demo - Using Control Panel  
Topic E: Using Windows Administrative Tools  
Using Windows Administrative Tools  
Demo - Using Administrative Tools and Custom Consoles  
Remote Server Administrative Tools (RSAT)  
Demo - Installing RSAT  
Remote Management  
Demo - Using Remote Management Tools  
Topic F: Using Windows PowerShell  
Using Windows PowerShell  
Demo - Introduction to PowerShell  
Windows Powershell ISE  
Demo - PowerShell ISE  
WS-Management (WS-MAN)  
Demo - Using PowerShell Remoting  
Chapter 04 Review

## **Chapter 05 - Connecting Windows 10 to Networks**

1h 51m

Topic A: TCP/IP Network Connectivity

TCP/IP Network Connectivity

Demo - Understanding IP Address and Masks

IPv4

Demo - Configuring Network Connectivity

IPv6

Topic B: Name Resolution

Name Resolution

Demo - Configuring Name Resolution

Topic C: Wireless Connectivity

Wireless Connectivity

Demo - Configuring Wireless Connections

Topic D: Remote Access Overview

Remote Access Overview

Demo - Configuring a VPN Connection

DirectAccess

Topic E: Troubleshooting Connectivity

Troubleshooting Connectivity

Demo - Troubleshooting Connectivity

Chapter 05 Review

## **Chapter 06 - Sharing Data and Printers**

1h 48m

Topic A: Managing Hard Disks

Managing Hard Disks

Demo - Disk Management Tools

Converting Disks from MBR to GPT

Demo - Managing Partitions and Volumes

Fragmentation

Topic B: Managing Storage Spaces

Demo - Using Storage Spaces

Topic C: Overview of Data Access

Overview of Data Access

Topic D: Configuring and Managing File Access

Configuring and Managing File Access

Demo - Working with Permissions

Copying and Moving on Permissions

Topic E: Managing Shared Folders

Managing Shared Folders

Demo - Sharing Folders

Permissions for Access

Topic F: Understanding Work Folders

Understanding Work Folders

Topic G: Managing Printers

Managing Printers

Demo - Working with Printers

Chapter 06 Review

**Chapter 07 - Managing Apps**

34m

Topic A: Installing and Configuring Applications  
Installing and Configuring Applications  
Topic B: Managing Apps From the Windows Store  
Managing Apps From the Windows Store  
Topic C: Managing Web Browsers  
Managing Web Browsers  
Demo - Working with Microsoft Edge  
Internet Explorer 11 for Backward Compatibility  
Chapter 07 Review

**Chapter 08 - Securing Windows 10 Devices**

1h 28m

Topic A: Security Overview  
Security Overview  
Topic B: Configuring Local Security  
Configuring Local Security  
Demo - Configuring Local Security  
Malware  
Demo - Configuring Windows Defender  
Topic C: Securing Network Communications  
Securing Network Communications  
Demo - Configuring the Firewall  
IPSec  
Demo - Using IPSec  
Topic D: Configuring Data Security  
Configuring Data Security  
Demo - Managing BitLocker  
Chapter 08 Review

**Chapter 09 - Monitoring and Maintaining Windows 10**

1h 18m

Topic A: Working with Updates  
Working with Updates  
Topic B: Monitoring and Optimizing  
Monitoring and Optimizing  
Demo - Using Performance Monitoring Tools  
Potential Windows 10 Reliability Issues  
Demo - Monitoring Reliability  
Event Viewer  
Demo - Using Event Viewer  
Topic C: Managing Devices and Drivers  
Managing Devices and Drivers  
Demo - Working with Device Drivers  
Topic D: Recovering Files and Devices  
Recovering Files and Devices  
Demo - Configuring File History  
The Startup Files and Process  
Chapter 09 Review

**Chapter 10 - Managing Users in the Enterprise**

41m

Topic A: Managing User Profiles

Managing User Profiles

Demo - Managing User Data

Topic B: User State Virtualization

User State Virtualization

Topic C: User Profile Migration

User Profile Migration

Chapter 10 Review

**Chapter 11 - Managing Desktops and Applications in the Enterprise**

1h 3m

Topic A: Using Group Policy to Manage Windows 10 Devices

Using Group Policy to Manage Windows 10 Devices

Demo - Examining GPOs

Local Security Customization

Demo - Troubleshooting GPOs

Topic B: Using Group Policy to Manage Applications

Using Group Policy to Manage Applications

Demo - Using AppLocker

Software Distribution within AD DS Domain Networks

Chapter 11 Review

**Chapter 12 - Managing Devices in the Enterprise**

47m

Topic A: The Enterprise Mobility Suite

The Enterprise Mobility Suite

Demo - Getting Started with Intune

Topic B: Managing Desktops and Mobile Clients

Managing Desktops and Mobile Clients

Topic C: Managing Updates and Endpoint Protection

Managing Updates and Endpoint Protection

Topic D: Managing Applications

Managing Applications

Chapter 12 Review

Course Closure

**Total Duration: 15h 28m**