

# Deploying and Managing Windows 10 Using Enterprise Services HOLQ1S (20697-2)

<b>HPE course number</b>	HOLQ1S
<b>Course length</b>	5 days
<b>Delivery mode</b>	ILT
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This 5-day course provides administrators with the knowledge and skills needed to deploy and manage Windows® 10 desktops, devices, and applications in an enterprise environment. Students learn how to plan and implement Windows 10 deployments in large organizations. Students also learn how to manage the Windows 10 installations after deployment to provide secure identity and data access using technologies related to Group Policy, Remote Access, and Workplace Join. To support a variety of device and data management solutions, Microsoft Azure Active Directory, Microsoft Intune, and Microsoft Azure Rights Management are introduced. These services are part of the Enterprise Mobility Suite, which provide identity and access management, cloud-based device, application and update management, and secure data access to information stored both in the cloud and on any location within your corporate network.

## Why HPE Education Services?

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## Audience

This course is intended for IT professionals who are interested in specializing in Windows 10 desktop and application deployments, and managing the cloud-based application and data service environments for medium-to-large enterprise organizations. These professionals typically work with networks that are configured as Windows Server® domain-based environments with managed access to the internet and cloud services.

This course is also intended to provide skills for individuals who seek to pass the 70-697 Windows 10 Configuring exam.

This course is related to the course: [20697 A-1: Installing and Configuring Windows 10](#).

## Prerequisites

Students should have at least two years of experience in the IT field and should already have the following technical knowledge:

- Networking fundamentals, including Transmission Control Protocol/Internet Protocol (TCP/IP), User Datagram Protocol (UDP), and Domain Name System (DNS)
- Microsoft Active Directory Domain Services (AD DS) principles

- Windows Server 2012 R2 fundamentals
- Microsoft Windows Client essentials, for example, working knowledge of Windows 7 and/or Windows 8.1

## Course objectives

After completing this course, students will be able to:

- Describe the challenges and solutions for desktop and device management in an enterprise environment
- Deploy Windows 10 Enterprise desktops
- Manage user profiles and user state virtualization
- Manage Windows 10 Sign-In and Identity
- Manage desktop and application settings by using Group Policy
- Manage data access for Windows-based devices
- Manage remote access solutions
- Configure and manage client Hyper-V
- Manage Windows 10 devices by using Enterprise Mobility solutions
- Manage desktop and mobile clients by using Intune
- Manage updates and Endpoint Protection by using Intune
- Manage application and resource access by using Intune

## Detailed course outline

<b>Module 1: Managing Desktops and devices in an enterprise environment</b>	This module explains the most current trends and information related to desktop and device management in the enterprise. It also provides an overview on how to extend device management to the cloud.
<b>Module 2: Deploying Windows 10 Enterprise desktops</b>	This module explains the various deployment scenarios of Windows 10 and the considerations to keep in mind while performing these deployments. This module also explains how to deploy Windows 10 by using the Windows Assessment and Deployment Kit (WADK) and the Microsoft Deployment Toolkit (MDT). This module also explains how to maintain Windows 10 by using DISM and Windows Imaging and Configuration Designer (ICD).
<b>Module 3: Managing User Profiles and User State Virtualization</b>	This module explains User States and User State Virtualization and explains how to deploy and maintain User Experience Virtualization (UE-V). This module also explains how to use tools such as ScanState and LoadState to migrate user states.
<b>Module 4: Managing Windows 10 Sign-In and Identity</b>	This module explains the concept of Identity and the methods to enhance Identity Security. This module also explains Cloud Identities and the use of Azure Active Directory Premium in enterprise organizations.
<b>Module 5: Managing Desktop and Application Settings by using Group Policy</b>	This module explains how to manage Group Policy inheritance, administrative templates, and common enterprise desktop settings. This module also explains how to apply policies using targeting and filtering.
<b>Module 6: Managing Data Access for Windows-based devices</b>	This module explains how to implement device registrations and work folders. This module also explains how to configure and share data stored in Microsoft OneDrive.
<b>Module 7: Managing Remote Access Solutions</b>	This module explains how to configure a Virtual Private Network (VPN) and DirectAccess in Windows 10. This module also explains how to publish applications in Microsoft Azure RemoteApp.
<b>Module 8: Configuring and managing Client Hyper-V</b>	This module explains how to create virtual switches, virtual hard disks, and virtual machines.
<b>Module 9: Managing Windows 10 devices using Enterprise Mobility Solutions</b>	This module explains the use of the Enterprise Mobility Suite and its components, Azure Active Directory Premium, Azure Rights Management, and Microsoft Intune.
<b>Module 10: Managing Desktop and Mobile Clients using Microsoft Intune</b>	This module explains how to configure and assign configuration policies. This module also explains how to create Mobile Device Management (MDM) policies and enroll mobile devices to Intune.
<b>Module 11: Managing updates and Endpoint Protection using Microsoft Intune</b>	This module explains how to configure updates and Endpoint Protection settings and reports.
<b>Module 12: Application and Resource Access using Microsoft Intune</b>	This module explains how to use the Microsoft Intune Software Publisher and deploy applications to managed clients, this module also explains the use of certificate profiles, Wi-Fi profiles and VPN profiles to control access to company resources.

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