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MICROSOFT

MCSA: Windows 10 Boot Camp

This training address the skills and knowledge necessary for IT professionals preparing to earn the MCSA Windows 10 certification.

Course Overview

This 10-day instructor-led Microsoft boot camp training provides IT professionals with the knowledge and skills required to configure, deploy, manage, and maintain Windows 10 enterprise environments. This boot camp primarily prepares student to earn their MCSA Windows 10 certification and it covers the content of these courses:

20698: Installing and Configuring Windows 10

This training provides IT professionals with the knowledge and skills required to install and configure Windows 10 desktops in a Windows Server small to medium-sized AD DS domain environment. It teaches you how to:

- Plan, install, and upgrade to Windows 10
- Perform post-installation configuration
- Implement networking
- Implement network security
- Manage Windows 10 with Group Policy
- Implement remote management
- Manage local storage
- Manage files and resources
- Install and manage apps
- Secure Windows 10
- Implement remote connectivity
- Maintain and update Windows 10
- Recover and troubleshoot Windows 10



20697-1: Implementing and Managing Windows 10

This training teaches students to install and configure Windows 10 desktops and devices in a Windows Server domain corporate environment. Participants will learn to install and customize Windows 10 operating systems and apps, and configure local and remote network connectivity and storage. In addition, they will learn to configure data security, device security, and network security, and maintain, update, and recover Windows 10. Core topics include:

- 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 files 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

20697-2: Deploying and Managing Windows 10 Using Enterprise Services

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This training teaches students to install and configure Windows 10 desktops and devices in a Windows Server domain corporate environment. Participants will learn to install and customize Windows 10 operating systems and apps, and configure local and remote network connectivity and storage. In addition, they will learn to configure data security, device security, and network security, and maintain, update, and recover Windows 10. Core topics include:

- 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 desktop and application settings using Group Policy
- Manage Windows 10 sign-in and identity
- Manage data access for Windows-based devices
- Manage remote access solutions
- Manage Windows 10 devices by using enterprise mobility solutions
- Manage desktop and mobile clients by using Intune



- Manage updates and Endpoint Protection using Intune
- Manage application and resource access by using Intune
- Configure and manage client Hyper-V

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Course Outline

20697-1: Implementing and Managing Windows 10

Overview of Windows 10

- Introducing Windows 10
- Navigating the User Interface
- Lab: Navigating and Customizing the User Interface

Installing Windows 10

- Installing Windows 10
- Upgrading to Windows 10
- Lab: Installing Windows 10

Configuring Your Device

- Overview of Tools You Can Use to Configure Windows 10
- Common Configuration Options
- Managing User Accounts
- Using OneDrive
- Lab: Configuring Windows 10
- Lab: Synchronizing Settings with OneDrive

Configuring Network Connectivity

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

Managing Storage

- Overview of Storage Options
- Managing Disks, Partitions, and Volumes



- Maintaining Disks and Volumes
- Managing Storage Spaces
- Lab: Managing Storage

Managing Files and Printers

- Overview of File Systems
- Configuring and Managing File Access
- Configuring and Managing Shared Folders
- Work Folders
- Managing Printers
- Lab: Configuring and Managing Permissions and Shares
- Lab: Configuring and Using Work Folders
- Lab: Installing and Managing a Printer

Managing Apps in Windows 10

- Overview of Providing Apps to Users
- The Windows Store
- Web Browsers
- Lab: Installing and Updating Apps from the Windows Store
- Lab: Configuring Windows 10 Web Browsers

Managing Data Security

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

Managing Device Security

- Using Security Settings to Mitigate Threats
- Configure UAC
- Configuring Application Restrictions
- Lab: Managing Device Security

Managing Network Security

- Overview of Network-Related Security Threats
- Windows Firewall
- Connection Security Rules
- Windows Defender
- Lab: Managing Network Security



Troubleshooting and Recovery

- Managing Device Drivers
- Using File History to Recover Files
- Recovering Files
- Recovering Devices
- Lab: Troubleshooting and Recovery

Maintaining Windows 10

- Updating Windows
- Monitoring Windows 10
- Optimizing Performance
- Lab: Maintaining Windows 10

20697-2: Deploying and Managing Windows 10 Using Enterprise Services

Managing Desktops and Devices in an Enterprise Environment

- Managing Windows 10 in the Enterprise
- Managing a Mobile Workforce
- Supporting Devices in the Enterprise
- Extending IT Management and Services to the Cloud
- Lab: Planning for Windows 10 and Device Management in the Enterprise

Deploying Windows 10 Enterprise Desktops

- Overview of Windows 10 Enterprise Deployment
- Customizing Enterprise Desktop Deployments
- Deploying Windows 10 by Using MDT
- Maintaining a Windows 10 Installation
- Volume License Activation for Windows 10
- Lab: Building a Reference Image by Using Windows Assessment Deployment Kit (ADK) Tools
- Lab: Using MDT to Deploy Windows 10 Desktops
- Lab: Maintaining a Windows 10 Installation by Using Windows ICD

Managing User Profiles and User State Virtualization

- Managing User Profiles and User State
- Implementing User State Virtualization by Using Group Policy
- Configuring UE-V
- Managing User State Migration



- Lab: Configuring User Profiles and User State Virtualization
- Lab: Migrating User State by Using USMT

Managing Desktop and Application Settings by Using Group Policy

- Managing Group Policy Objects
- Configuring Enterprise Desktops by Using Group Policy
- Overview of Group Policy Preferences
- Lab: Configuring Group Policy Objects and Settings
- Lab: Using Group Policy Preferences to Manage Desktop Settings

Managing Windows 10 Sign-In and Identity

- Overview of Enterprise Identity
- Planning for Cloud Identity Integration
- Lab: Integrating a Microsoft Account with a Domain Account
- Lab: Joining Windows 10 to Azure Active Directory

Managing Data Access for Windows-based Devices

- Overview of Data Access Solutions
- Implementing Device Registration
- Implementing Work Folders
- Managing Online Data Using Cloud-Based Storage Solutions
- Lab: Configuring Data Access for Non-Domain Joined Devices
- Lab: Managing Data Access by Using OneDrive

Managing Remote Access Solutions

- Overview of Remote Access Solutions
- Supporting DirectAccess with Windows 10
- Supporting DirectAccess with Windows 10
- Configuring VPN Access to Remote Networks
- Supporting RemoteApp
- Lab: Implementing DirectAccess
- Lab: Configuring RemoteApp

Managing Windows 10 Devices by Using Enterprise Mobility Solutions

- Overview of the EMS
- Overview of Azure Active Directory Premium
- Overview of Azure RMS
- Overview of Intune
- Lab: Implementing an Intune Subscription



Managing Desktop and Mobile Clients by Using Microsoft Intune

- Deploying the Intune Client Software
- Overview of Intune Policies
- MDM by Using Intune
- Overview of WIP
- Lab: Installing the Intune Client Software and Configuring a Policy
- Lab: Managing Mobile Devices Using Intune

Managing Updates and Endpoint Protection by Using Microsoft Intune

- Managing Updates by Using Intune
- Managing Endpoint Protection
- Lab: Managing Updates and Endpoint Protection by Using Microsoft Intune

Application and Resource Access by Using Microsoft Intune

- Application Management by Using Intune
- The Application Deployment Process
- Managing Access to Organization Resources
- Lab: Deploying Applications by Using Microsoft Intune
- Lab: Managing resource Access by Using Intune

Configuring and Managing Client Hyper-V

- Installing and Configuring Client Hyper-V
- Configuring Virtual Switches
- Creating and Managing Virtual Hard Disks
- Creating and Managing Virtual Machines
- Lab Installing Client Hyper-V

20698 Installing and Configuring Windows 10

Installing Windows 10

- Overview of Windows 10
- Planning your Windows 10 deployment
- Installing and deploying Windows 10
- Upgrading to Windows 10
- Windows 10 installation maintenance
- Managing volume activation

Labs



- Migrating user settings
- Upgrading from Windows 8.1 to Windows 10 (optional)

Performing post-installation configuration

- Overview of management tools
- Customizing the user interface
- Managing devices, device drivers, and services
- Configuring features, mobility, and power options
- Overview of Client Hyper-V

Labs

- Install a device driver
- Resolving the device driver problem
- Turning on Windows features with Control Panel
- Managing installed Windows features
- Configuring power options

Implementing networking

- Homegroups, workgroups, and domains
- Configuring IPv4 network connectivity
- Configuring IPv6 network connectivity
- Implementing name resolution
- Troubleshooting network connectivity
- Implementing wireless network connectivity

Labs

- Verifying and testing network connectivity
- Configuring automatic IPv4 addressing
- Configuring and testing name resolution
- Resolving a network problem (1)
- Resolving a network problem (2)

Implementing network security

- Implementing Windows Defender Firewall Connection security rules
- Implementing Windows Defender Antivirus

Labs

- Creating and testing inbound rules
- Creating and testing outbound rules
- Creating and testing connection security rules
- Configuring Windows Defender Antivirus



Managing Windows 10 with Group Policy

- Overview of Group Policy
- Configuring Windows 10 devices with GPOs

Lab

- Managing Windows 10 by using Group Policy

Implementing remote management

- Using Remote Desktop
- Using Remote Assistance
- Using Windows PowerShell remoting

Managing Storage

- Overview of storage options
- Managing disks, partitions, and volumes
- Maintaining disks and volumes
- Managing Storage Spaces
- Implementing and managing OneDrive
- Working with virtual hard disks

Labs

- Creating a simple volume
- Creating a storage space

Managing files and resources

- Overview of file systems
- Configuring and managing file access
- Managing shared folders
- Work Folders Managing printers

Labs

- Creating, securing, and sharing a folder
- Configuring Work Folders Managing and using a printer

Deploying and managing apps

- Overview of apps in Windows 10
- The Microsoft Store and Microsoft Store for Business Automating app deployment
- Configuring web browsers



Labs

- Sideload an app
- Creating a provisioning package
- Deploying the package
- Verifying deployment
- Configuring and using Microsoft Edge

Securing Windows 10

- Managing user accounts
- Configuring UAC
- Implementing and managing BitLocker

Labs

- Managing user accounts
- Configuring UAC Using BitLocker

Implementing remote connectivity

- Overview of remote connectivity options
- Implementing VPNs Implementing DirectAccess

Labs

- Deploying a virtual private network (VPN) server
- Creating a VPN connection

Maintaining Windows 10

- Updating Windows 10
- Monitoring Windows 10

Labs

- Configuring updates for a single device
- Configuring updates with GPOs
- Monitoring reliability and performance

Recovering Windows 10

- Recovering files
- Performing system recovery
- Labs
 - Using File History to recover files
 - Using Previous Versions to recover files

- Recovering a device with a restore point
- Using the advanced startup options to recover a device
- Recover and troubleshoot Windows 10

Exam Information

Exam 70-697: Configuring Windows Devices

Exam Objective	Percentage of Exam
Manage Identity	10-15%
Plan Desktop and Device Deployment	10-15%
Plan and implement a Microsoft 365 Solution	10-15%
Configure Networking	10-15%
Configure Storage	10-15%
Manage Data Access and Protection	10-15%
Manage Remote Access	10-15%
Manage Apps	10-15%
Manage Updates and Recovery	10-15%

Exam 70-698: Installing and Configuring Windows 10

Exam Objective	Percentage of Exam
Implementing Windows	30-35%
Configuring and Supporting Core Services	30-35%
Managing and Maintaining Windows	30-35%

You can purchase the exam voucher separately through Phoenix TS. Phoenix TS is an authorized testing center for Pearson VUE and Prometric websites. Register for exams by calling us or visiting the Pearson VUE and Prometric websites.

FAQs

Who should attend this training?

This course is designed for IT professionals who administer and support Windows 10 desktops and devices in small to medium-sized environments.

What are the prerequisites for this training?



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Students should have experience with:

- Deploying and configuring Windows 8 and Windows 10
- Deploying and configuring Windows Server 2012 or Windows Server 2016 Active Directory Domain Services (AD DS)
- Deploying and configuring network services, specifically DNS in Windows Server environments
- Networking fundamentals of TCP/IP, UDP, and DNS
- Certificate-based security

Starting at \$6,000

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Included in this **MCSA: Windows 10 Boot Camp**

- 10 days instructor-led training
- MCSA: Windows 10 Boot Camp training book
- Notepad, pen and highlighter
- Variety of bagels, fruits, doughnuts and cereal available at the start of class*



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- Tea, coffee and soda available throughout the day*
- Freshly baked cookies every afternoon*