

Microsoft 365 Certified: Modern Desktop Administrator Associate – Skills Measured

This document contains the skills measured on the exams associated with this certification. It does not include any upcoming or recent changes that have been made to those skills. For more information about upcoming or recent changes, see the associated exam details page(s).

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is NOT definitive or exhaustive.

NOTE: Most questions cover features that are General Availability (GA). The exam may contain questions on Preview features if those features are commonly used.

Exam MD-100: Windows 10

Deploy Windows (15-20%)

Install Windows 10

- perform a clean installation
- perform an in-place upgrade (using tools such as WDS, ADK, etc.)
- select the appropriate Windows edition

Perform post-installation configuration

- configure Edge and Internet Explorer
- configure mobility settings
- customize the Windows desktop
- troubleshoot activation issues
- configure printers and external devices
- configure Windows 10 by using provisioning packages
- configure Microsoft Store settings
- configure application settings
- configure and manage services

Manage Devices and Data (25-30%)

Manage users, groups, and devices

- manage local groups
- manage local users
- manage users, groups, and devices in Active Directory Domain Services

- manage users, groups, and devices in Azure Active Directory
- configure sign-in options

Configure devices by using local policies

- implement local policy
- troubleshoot group policies on devices
- configure Windows 10 settings by using group policy

Manage Windows security

- configure user account control (UAC)
- configure Windows Defender Firewall
- implement encryption
- configure Windows Defender Antivirus

Configure Storage and Connectivity (15-20%)

Configure networking

- configure client IP settings
- configure mobile networking
- troubleshoot networking

Configure data access and protection

- configure NTFS permissions
- configure shared permissions
- configure local storage
- manage and optimize storage
- configure file and folder permissions
- configure OneDrive/OneDrive for Business

Maintain Windows (30-35%)

Configure system and data recovery

- perform file recovery
- recover Windows 10
- troubleshoot startup/boot process
- create and manage system restore points

Manage updates

- troubleshoot updates
- select the appropriate servicing channel
- configure Windows update options
- plan for Windows updates
- configure updates by using Windows Update for Business

Monitor and manage Windows

- configure and analyze event logs
- manage performance
- manage Windows 10 environment
- configure local registry
- schedule tasks

Configure remote connectivity

- manage Windows 10 remotely by using Windows Admin Center
- configure remote assistance tools including Remote Assist and Quick Assist
- manage Windows remotely by using Windows Remote Management and PS remoting
- configure remote desktop access

Exam MD-101: Managing Modern Desktops

Deploy and Upgrade Operating Systems (25-30%)

Plan a Windows 10 deployment

- assess infrastructure readiness
- evaluate and select appropriate deployment options (Endpoint Manager, MDT)
- plan upgrade and downgrade paths
- plan app compatibility
- plan for user state

Plan and implement Windows 10 by using Windows Autopilot

- choose method based on requirements
- create, validate, and assign deployment profile
- extract device HW information to CSV file
- import device HW information to cloud service
- deploy Windows 10
- troubleshoot deployment

Plan and implement Windows 10 using MDT

- choose configuration options based on requirements
- create and manage images
- deploy images (may include WDS)
- create and use task sequences
- manage application and driver deployment
- monitor and troubleshoot deployment

Manage accounts, VPN connections, and certificates on Windows 10

- secure privileged accounts on Windows 10
- configure VPN client
- configure and manage certificates on client devices

Manage Policies and Profiles (20-25%)

Implement compliance policies for devices

- implement device compliance policies
- manage device compliance policies
- plan device compliance policies

Configure device profiles

- implement device profiles; Manage device profiles
- plan device profiles, Control policy conflicts
- configure and implement assigned access or public devices

Manage user profiles

- configure user profiles
- configure Enterprise State Roaming in Azure AD
- configure sync settings

Manage and Protect Devices (30-35%)

Implement and manage device, application, and threat protection

- implement and manage Windows Defender Application Guard
- implement and manage Windows Defender Credential Guard
- implement and manage Windows Defender Exploit Guard
- plan and Implement Microsoft Defender Advanced Threat Protection for Windows 10
- integrate Windows Defender Application Control
- protect devices using Endpoint Security
- manage enterprise-level disk encryption

- implement and manage security baselines in Microsoft Intune

Manage Microsoft Intune devices

- configure enrollment settings in Microsoft Intune
- configure Microsoft Intune automatic and bulk enrollment
- enroll non-Windows devices
- enroll Windows devices
- review device inventory

Monitor devices

- monitor devices using Azure Monitor and Desktop Analytics
- monitor device inventory reports using Endpoint Manager Admin Center

Manage updates

- configure Windows 10 delivery optimization
- deploy Windows updates using Microsoft Intune
- monitor Windows 10 updates

Manage Apps and Data (10-15%)

Deploy and update applications

- assign apps to groups
- deploy apps by using Microsoft Intune
- deploy apps by using Microsoft Store for Business/iTunes/Google Play
- deploy Microsoft 365 Apps for enterprise using Microsoft Intune
- enable sideloading of apps into images
- gather Microsoft 365 Apps readiness data

Implement Mobile Application Management (MAM)

- implement App Protection policies
- manage App Protection policies
- plan App Protection Policies
- plan and implement App Configuration Policies (Windows Information Protection)