

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: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

Exam MD-100: Windows 10

Skills Measured

Deploy Windows (15-20%)

Deploy Windows 10

- configure language packs
- migrate user data
- perform a clean installation
- perform an in-place upgrade (using tools such as MDT, WDS, ADK, etc.)
- select the appropriate windows edition
- troubleshoot activation issues

Perform post-installation configuration

- configure Edge and Internet Explorer
- configure mobility settings
- configure sign-in options
- customize the Windows desktop

Manage devices and data (35-40%)

Manage local users, local groups, and devices

- manage devices in directories
- manage local groups
- manage local users

Configure data access and protection

- configure NTFS permissions
- configure shared permissions

Configure devices by using local policies

- configure local registry
- implement local policy
- troubleshoot group policies on devices

Manage Windows security

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

Configure connectivity (15-20%)

Configure networking

- configure client IP settings
- configure mobile networking
- configure VPN client
- troubleshoot networking
- configure Wi-Fi profiles

Configure remote connectivity

- configure remote management
- enable PowerShell Remoting
- configure remote desktop access

Maintain Windows (25-30%)

Configure system and data recovery

- perform file recovery (including OneDrive)
- recover Windows 10
- troubleshoot startup/boot process

Manage updates

- check for updates

- troubleshoot updates
- validate and test updates
- select the appropriate servicing channel
- configure Windows update options

Monitor and manage Windows

- configure and analyze event logs
- manage performance
- manage Windows 10 environment

Exam MD-101: Managing Modern Desktops

Skills Measured

Deploy and update operating systems (35-40%)

Plan and implement Windows 10 by using dynamic deployment

- evaluate and select an appropriate deployment options
- pilot deployment
- manage and troubleshoot provisioning packages
- evaluate deployment options in Microsoft Endpoint Manager

Plan and implement Windows 10 by using Windows Autopilot

- evaluate and select an appropriate deployment options
- pilot deployment
- create, validate, and assign deployment profile
- extract device HW information to CSV file
- import device HW information to cloud service
- troubleshoot deployment

Upgrade devices to Windows 10

- identify upgrade and downgrade paths
- manage in-place upgrades
- configure a Desktop Analytics environment
- assess which computers can be upgraded to Windows 10
- migrate user profiles

Manage updates

- configure Windows 10 delivery optimization
- configure Windows Update for Business
- deploy Windows updates
- implement feature updates
- monitor Windows 10 updates

Manage device authentication

- manage authentication policies
- manage sign-on options
- perform Azure AD join

Manage policies and profiles (25-30%)

Plan and implement co-management

- implement co-management precedence
- migrate group policy to MDM policies
- recommend a co-management strategy

Implement conditional access and compliance policies for devices

- implement conditional access policies
- manage conditional access policies
- plan conditional access policies
- implement device compliance policies
- manage device compliance policies
- plan device compliance policies

Configure device profiles

- implement device profiles
- manage device profiles
- plan device profiles

Manage user profiles

- configure user profiles
- configure Enterprise State Roaming in Azure AD
- configure sync settings
- implement Folder Redirection, including OneDrive

Manage and protect devices (20-25%)

Manage Windows Defender

- implement and manage Windows Defender Application Guard
- implement and manage Windows Defender Credential Guard
- implement and manage Windows Defender Exploit Guard
- implement Microsoft Defender Advanced Threat Protection
- integrate Windows Defender Application Control
- manage Windows Defender Antivirus

Manage Intune device enrollment and inventory

- configure enrollment settings
- configure Intune automatic enrollment
- enable device enrollment
- enroll non-Windows devices
- enroll Windows devices
- generate custom device inventory reports' Review device inventory

Monitor devices

- monitor device health (e.g., log analytics, Desktop Analytics, or other cloud-based tools, etc.)
- monitor device security

Manage apps and data (10-15%)

Deploy and update applications

- assign apps to groups
- deploy apps by using Intune
- deploy apps by using Microsoft Store for Business
- deploy O365 ProPlus
- enable sideloading of apps into images
- gather Office readiness data
- configure and implement kiosk (assigned access) or public devices

Implement Mobile Application Management (MAM)

- implement MAM policies
- manage MAM policies
- plan MAM
- configure Windows Information Protection
- implement Azure Information Protection templates

- securing data by using Intune