

# 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 follow 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 Client

### Deploy Windows (15-20%)

#### Install Windows 10

- perform a clean installation
- perform an in-place upgrade from a previous version of Windows
- use Windows Deployment Services (WDS) to deploy Windows 10
- customize a Windows 10 installation using tools from the Windows ADK (Windows System Image Manager, Windows PE, Windows Configuration Designer)
- select the appropriate Windows edition

#### Perform post-installation configuration

- configure Microsoft Edge
- 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 Windows 10 built-in 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
- add additional work or school accounts to Windows 10
- configure and manage Bluetooth settings for devices

### **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 Microsoft Defender Firewall
- implement device encryption
- configure Microsoft Defender Antivirus
- manage device security using core isolation, secure boot, and TPM

## **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 and configure the appropriate servicing channel for feature updates
- configure Windows update options
- plan for types of Windows updates including feature updates, quality updates, servicing stack updates, driver updates, and Microsoft product 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 (Autopilot, MDT, Configuration Manager)
- 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
- configure Microsoft Tunnel for Microsoft Intune

## **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
- configure filters for configuration profiles

### **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 Microsoft Defender Application Guard
- implement and manage Windows Defender Credential Guard
- implement and manage Exploit protection
- plan and Implement Microsoft Defender Advanced for Endpoint 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 devices enrolled in Microsoft Intune**

- 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 Manger 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 users or groups
- deploy apps by using Microsoft Intune
- deploy apps by using Microsoft Store for Business/iTunes/Google Play
- deploy Microsoft 365 Apps for enterprise (by using Office Deployment Tool, Intune, or Microsoft 365)

- create and Modify Office deployment configurations (using ODT or Microsoft 365 Apps Admin Center/Office Customization Tool)
- 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)