

# Microsoft 365 Certified: Endpoint Administrator Associate Online Training

(MD-102)

This MD-102 training prepares junior systems admins to deploy, configure, manage, and secure Windows 10 and Windows 11 devices in an enterprise environment.

[CBT Nuggets course material](#) →

## WEEK 1

### **Deploy Windows Clients: Upgrade, Clean Install, and Migration** 61 min.

Traditional Provisioning	8 min.
Dynamic Provisioning	3 min.
Upgrading Windows	7 min.
Run a Compatibility Test	5 min.
Perform a Rebuild	11 min.
Overview of the User State Migration Tool	11 min.
Lab User State Migration Tool (USMT)	16 min.

### **Provisioning, Windows Editions, and Subscription-Based Activation** 51 min.

Windows Provisioning Packages	10 min.
Windows Imaging and Configuration Designer	20 min.
Compare Windows 10 and 11	6 min.
Compare Windows 11 Editions	9 min.
Implement Subscription-Based Activation	6 min.

### **Image Basics, Windows in a VHDX, the ADK and WSIM** 47 min.

Implement Thick or Thin Images	11 min.
Install Windows to a VHDX File	5 min.
The Windows ADK	11 min.
Automate Installation with the WSIM	20 min.

## WEEK 2

### **Plan and Implement a Windows Client Deployment by Using the Microsoft Deployment Toolkit (MDT)** 49 min.

Deployment Considerations	9 min.
Understanding the Roles of WDS and MDT	6 min.
Configure Windows Deployment Services (WDS)	16 min.
Deploy Windows 11 with the MDT	18 min.

<b>Deploy Windows Autopilot</b>	60 min.
Introducing Windows Autopilot	7 min.
Autopilot Capabilities	5 min.
Autopilot Requirements	8 min.
Autopilot Self-Driven and Pre-Provisioned Modes	4 min.
Autopilot Self-Deploying, for Existing Devices, and Reset	7 min.
Autopilot Hardware ID Setup	10 min.
Autopilot Demo	5 min.
Set up the Enrollment Status Page	6 min.
Troubleshoot an Autopilot Deployment	8 min.

<b>Configure Remote Desktop, Remote Assistance, and Remote Help in Intune</b>	54 min.
Set Up a Lab Environment	9 min.
Configure Remote Desktop	16 min.
Configure Remote Assistance	9 min.
Remote Help in Intune	5 min.
Remote Help in Intune Demo	15 min.

### WEEK 3

<b>Configure Remote Management Using Windows Admin Center, PowerShell Remoting, and WinRM</b>	45 min.
Windows Admin Center	8 min.
Windows Admin Center on Client	13 min.
Windows Admin Center Gateway	9 min.
Configure PowerShell Remoting and WinRM	10 min.
Configure Remote Consoles	5 min.
<b>Manage Identity: Windows Hello for Business</b>	41 min.
Introducing Windows Hello for Business	12 min.
Windows Hello Biometrics	5 min.
Sign in with a Passwordless Security Key	7 min.
Windows Hello with Fingerprint Scanner	3 min.

Windows Hello with Facial Recognition	3 min.
Windows Hello for Business GPO	5 min.
Windows Hello for Business Configuration Profiles	6 min.

<b>Understanding Azure Capabilities and the Intune Connector for Active Directory</b>	46 min.
The Azure Paradigm Shift	9 min.
New to Azure	10 min.
How Azure AD Protects Credentials	15 min.
Implement the Intune Connector for Active Directory	12 min.

### WEEK 4

<b>Register and Join Devices to Azure AD and Role-Based Access Control</b>	67 min.
Register Devices to Azure AD	15 min.
Join Devices to Azure AD	7 min.
Configure Hybrid Azure AD Join	14 min.
Introducing Role-Based Access Control (RBAC)	8 min.
Understand the Principles of RBAC	9 min.
Azure and Azure AD RBAC	6 min.
Manage Role-Based Access Control (RBAC) for Intune	8 min.

<b>Manage the Device Lifecycle in Intune</b>	66 min.
Intune MDM Features	8 min.
Intune Enrollment: User-Driven	11 min.
Intune Enrollment: IT-Driven	14 min.
Enroll Android Devices	8 min.
Enroll iOS/iPadOS Devices	8 min.
Apple Device Enrollment Program	4 min.
Configure Policy Sets	13 min.

## WEEK 5

### Implement Compliance Policies for All Supported Device Platforms by Using Intune

Co-Manage Compliance with Configuration Manager	14 min.
Compliance Policy Overview	8 min.
Demonstrate Compliance Policy	10 min.
Troubleshoot Compliance Policy	5 min.
Implement Conditional Access Policies That Require a Compliance Status	16 min.

### Manage Device Configuration by Using Intune

Dynamic Security Groups	5 min.
Create Configuration Profiles	12 min.
Import ADMX into Configuration Profiles	4 min.
Synchronize Profiles and Policies	5 min.
Apply Scripts in Intune	5 min.
Monitor and Troubleshoot Configuration Profiles	5 min.
Configure and Implement Windows Kiosk Mode	16 min.

### Manage Local Groups, Admins, and Manage Android Profiles

Plan and implement Microsoft Tunnel for Intune	17 min.
Android Profile Platforms	3 min.
Configuration Profiles on Android Devices	14 min.
Manage Membership of Local Groups	8 min.
Manage Membership of Local Azure AD-Joined Devices	11 min.
Local Administrative Password Solution (LAPS) for Azure AD	9 min.

## WEEK 6

### Monitor Devices by Using Intune, Azure Monitor, and Endpoint Analytics

Monitor Devices in Intune	7 min.
Monitor Devices in Intune Monitor	2 min.
Monitor Devices in Intune with Power BI	7 min.
Azure Monitor Data Flow	8 min.

Azure Monitor Collection and Subscription	7 min.
Working with Azure Monitor	10 min.
Overview of Endpoint Analytics	10 min.
Assess Infrastructure Readiness by Using Endpoint Analytics	9 min.
Evaluate the Adoption Score	4 min.

### Manage Device Updates by Using Intune

Update Settings	10 min.
Update Type and Cadence	5 min.
Delivery Optimization	7 min.
Configure Windows Client Delivery Optimization by Using Intune	7 min.
Create and Manage Update Rings by Using Intune	13 min.
Forced Feature and Quality Updates	8 min.
Manage iOS and iPadOS Updates	3 min.
Manage Android Updates by Using Device Configuration Profiles	6 min.
Monitor and Troubleshoot Updates in Intune	6 min.

## WEEK 7

### Implement Endpoint Protection

Introduction to Endpoint Security	2 min.
Overview of Security Baselines in Intune	5 min.
Demo - Security Baselines in Intune	20 min.
Endpoint Security - Firewall	10 min.
Reusable Settings	4 min.
Quiz - Security Baselines and Firewalls	3 min.

### Endpoint Protection: Antivirus, Endpoint Detection and Response, Attack Surface Reduction

Microsoft 365 Defender Requirements	6 min.
Onboard Devices to Defender for Endpoint	18 min.
Configure Endpoint Security for Antivirus	13 min.

Configure Endpoint Security for Encryption	6 min.
Configure Endpoint Security for ASR - ASR Rules	4 min.
Configure Endpoint Security for ASR - Exploit Protection	5 min.
Configure Endpoint Security for ASR - Windows 10 and 11	6 min.
Incidents in Defender for Endpoint	6 min.
Microsoft Defender Vulnerability Management Dashboard	5 min.

## WEEK 8

### **Deploy and Update Apps** 58 min.

Deploy Microsoft Store Apps (Legacy)	10 min.
Deploy Microsoft Store Apps (New)	7 min.
Deploy Win32 Apps	3 min.
Deploy Win32 Apps Demo	17 min.
Deploy Apps by Using Apple Store	4 min.
Deploy Android Apps	17 min.

### **Configure, Deploy, and Manage Microsoft 365 Apps** 62 min.

Determine Office Upgrade Readiness	9 min.
Implement the Office Customization Tool (OCT)	15 min.
Deploying Office with ODT	4 min.
Manage Microsoft 365 Apps in Apps Admin Center	10 min.
Deploy Microsoft 365 Apps by Using Intune	6 min.
Manage Office App Settings by Using Intune	7 min.
Manage Office App Settings by Using Group Policy	11 min.

### **Plan and Implement App Protection and App Configuration Policies** 51 min.

Compare MDM and MAM	13 min.
Overview of App Protection Policies	3 min.
App Protection Policies in Action	14 min.
Windows Information Protection Overview	4 min.
Windows Information Protection in Action	11 min.
App Protection Policies	6 min.