Manage and secure Microsoft 365 endpoints by using Intune (MD-102T00)

Duration: 5 days
Audience: Professionnel TI

Who is this training for?

As a candidate for this course and the associated exam, you have subject matter expertise managing devices and client applications in a Microsoft 365 tenant by using Microsoft Intune. As an endpoint administrator, you collaborate with architects, Microsoft 365 administrators, security administrators, and other workload administrators to plan and implement a modern workplace strategy that meets the business needs of an organization. You are responsible for:

- Implementing solutions for efficient deployment and management of endpoints on various operating systems, platforms, and device types.
- Implementing and managing endpoints at scale by using Microsoft Intune, Microsoft Intune Suite, Windows Autopilot, Microsoft Security Copilot, Microsoft Defender for Endpoint, Microsoft Entra ID, Azure Virtual Desktop, and Windows 365.
- Implementing identity, security, access, policies, updates, and apps for endpoints.

Training objectives

By the end of this course, students will be able to:

- Prepare identity and device infrastructure for devices using Microsoft Intune and Microsoft Entra ID
- Manage and maintain devices using Microsoft Intune, including configuration profiles, updates, and troubleshooting
- Deploy and manage applications using Microsoft Intune
  Protect devices using Microsoft Intune, Microsoft Defender for Endpoint, encryption, compliance, Microsoft Tunnel, and Microsoft Cloud PKI
- Automate and optimize endpoint management using PowerShell, Microsoft Graph, and AI and Copilot tools
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Support operational excellence and readiness, including reporting, RBAC, and tenant health

- Extend endpoint capabilities using the Microsoft Intune Suite
- Deliver cloud-hosted desktops using Azure Virtual Desktop and Windows 365

Summary

In this course, students learn to plan and execute an endpoint deployment, configuration, and management strategy using Microsoft Intune as the unified endpoint management platform. The course covers preparing identity and device infrastructure with Microsoft Entra ID, enrolling and configuring devices, managing applications, and protecting endpoints and data. Students also explore automation with PowerShell and Microsoft Graph, AI-assisted management with Microsoft Security Copilot, the extended capabilities of the Microsoft Intune Suite, and the delivery of cloud-hosted desktops with Windows 365 and Azure Virtual Desktop. Technologies explored include Microsoft Intune, Microsoft Entra ID, Windows Autopilot, Microsoft Defender for Endpoint, Microsoft Tunnel, Microsoft Cloud PKI, the Microsoft Intune Suite, Windows 365, and Azure Virtual Desktop.

Course outline

Learning Path 1 — Prepare infrastructure for devices using Microsoft Intune and Microsoft Entra ID

- Module 1 — Understand endpoint management strategies and Microsoft Intune
- Module 2 — Configure Microsoft Entra ID for device and policy management
- Module 3 — Administer device identity and authentication using Microsoft Entra ID
- Module 4 — Plan and implement device enrollment using Microsoft Intune
- Module 5 — Deploy Windows devices using Windows Autopilot

Learning Path 2 — Manage and maintain devices using Microsoft Intune

- Module 1 — Configure device profiles and policy management using Microsoft Intune
- Module 2 — Monitor and maintain devices using Microsoft Intune
- Module 3 — Manage Windows updates and lifecycle using Microsoft Intune
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Module 4 — Troubleshoot device and policy issues using Microsoft Intune

Learning Path 3 — Manage applications using Microsoft Intune

- Module 1 — Deploy and manage applications using Microsoft Intune
- Module 2 — Implement application protection and security using Microsoft Intune
- Module 3 — Manage application lifecycle and user experience using Microsoft Intune
- Module 4 — Monitor and optimize application performance using Microsoft Intune
- Module 5 — Manage Enterprise App Catalog applications

Learning Path 4 — Protect devices using Microsoft Intune

- Module 1 — Implement endpoint security with Microsoft Defender and Microsoft Intune
- Module 2 — Implement device encryption and security policies using Microsoft Intune
- Module 3 — Implement advanced threat protection using Microsoft Intune and Microsoft Defender
- Module 4 — Enforce compliance and remediate security issues by using Microsoft Intune
- Module 5 — Secure mobile access using Microsoft Tunnel
- Module 6 — Implement Microsoft Cloud PKI

Learning Path 5 — Automate and optimize endpoint management using Microsoft Intune

- Module 1 — Automate endpoint management using PowerShell and Microsoft Graph
- Module 2 — Optimize device management using AI and Copilot tools
- Module 3 — Monitor and optimize endpoint performance using Microsoft Intune

Learning Path 6 — Support operational excellence and readiness using Microsoft Intune

- Module 1 — Implement reporting and data visibility using Microsoft Intune
- Module 2 — Apply RBAC and admin delegation in Microsoft Intune
- Module 3 — Maintain tenant health and support readiness

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Learning Path 7 — Extend endpoint capabilities using Microsoft Intune Suite

- Module 1 — Explore Microsoft Intune Suite capabilities
- Module 2 — Implement Remote Help scenarios using Microsoft Intune
- Module 3 — Analyze advanced device signals with Microsoft Intune Suite
- Module 4 — Evaluate Endpoint Privilege Management with Microsoft Intune

Learning Path 8 — Deliver cloud-hosted desktops using Azure Virtual Desktop and Windows 365

- Module 1 — Explore Windows 365 for cloud PC deployment
- Module 2 — Configure and manage Windows 365 with Microsoft Intune
- Module 3 — Explore Azure Virtual Desktop
- Module 4 — Integrate Azure Virtual Desktop with Microsoft Intune

Approach and methodology

Practical and structured approach combining focused theory and guided workshops. Participants gradually administer Microsoft 365 devices through real-world exercises inspired by professional scenarios, promoting immediate application of learning.

They learn how to deploy, configure, secure and manage devices and applications using tools such as Microsoft Intune and Entra ID.

Led by a Microsoft certified trainer, the training focuses on interactivity and the development of directly transferable technical skills to effectively administer user environments in a professional context.

Prerequisites

Students should have the Following knowledge and experience before attending this course:

Candidates must have experience with Microsoft Entra ID and Microsoft 365 technologies, including Intune, as well as strong skills and experience in deploying, configuring, and maintaining Windows client and non-Windows devices.

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Recommendations

- Basics in Windows and desktop administration
- Knowledge of Microsoft 365 and Microsoft Intune Identity management (Microsoft Entra ID)
- Understanding of security, compliance, and device management concepts

Certifications

This course prepares you for exam MD-102, which leads to the Microsoft 365 Certified: Endpoint Administrator Associate certification.

The exam lasts 100 minutes and is available in English and French. A score of 700 is required to pass. The exam price depends on the country where it is taken.

It covers five areas: preparing infrastructure for devices (20–25%), managing and maintaining devices (25–30%), protecting devices (15–20%), managing and securing applications (15–20%), and optimizing endpoint operations through automation, monitoring and reporting (10–15%).

The certification is valid for 12 months. Microsoft lets you renew it for free by passing an online assessment on Microsoft Learn.

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