Microsoft 365 Endpoint Administrator

Length: 5 days
Format: Classroom
Time: Day

About This Course

Learn to plan and execute an endpoint deployment, configuration, and management strategy using Microsoft Intune as the unified endpoint management platform. This 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.

Required Exams

Audience Profile

Course Objectives

By the end of this course, learners will be able to: * Deploy and manage endpoints across Windows, macOS, iOS, Android, and Linux devices using Microsoft Intune.
* Configure and manage device enrollment, user profiles, policies, and application deployment in modern workplace environments.
* Implement and maintain endpoint security controls, including compliance policies, conditional access, and authentication solutions.
* Manage identity and access with technologies such as Windows Hello for Business and multi-factor authentication.
* Protect devices and organizational data using Microsoft Defender for Endpoint and Microsoft security solutions.
* Plan and execute Windows deployment strategies using Windows Autopilot, Intune, and co-management

scenarios.
* Deploy, update, monitor, and troubleshoot applications and operating systems across enterprise environments.
* Manage the complete device lifecycle, including provisioning, monitoring, compliance, security, and retirement.
* Implement endpoint management best practices to support secure, compliant, and productive hybrid work environments.

Outline

Module 1: Prepare infrastructure for devices using Microsoft Intune and Microsoft Entra ID * Understand endpoint management strategies and Microsoft Intune
* Configure Microsoft Entra ID for device and policy management
* Administer device identity and authentication using Microsoft Entra ID
* Plan and implement device enrollment using Microsoft Intune
* Deploy Windows devices using Windows Autopilot

Module 2: Manage and maintain devices using Microsoft Intune * Configure device profiles and policy management using Microsoft Intune
* Monitor and maintain devices using Microsoft Intune
* Manage Windows updates and lifecycle using Microsoft Intune
* Troubleshoot device and policy issues using Microsoft Intune

Module 3: Manage applications using Microsoft Intune / Deploy and manage applications using Microsoft Intune * Implement application protection and security using Microsoft Intune
* Manage application lifecycle and user experience using Microsoft Intune
* Monitor and optimize application performance using Microsoft Intune
* Manage Enterprise App Catalog applications

Module 4: Protect devices using Microsoft Intune * Implement endpoint security with Microsoft Defender and Microsoft Intune
* Implement device encryption and security policies using Microsoft Intune
* Implement advanced threat protection using Microsoft Intune and Microsoft Defender
* Enforce compliance and remediate security issues by using Microsoft Intune
* Secure mobile access using Microsoft Tunnel
* Implement Microsoft Cloud PKI

Module 5: Automate and optimize endpoint management using Microsoft Intune * Automate endpoint management using PowerShell and Microsoft Graph
* Optimize device management using AI and Copilot tools
* Monitor and optimize endpoint performance using Microsoft Intune

Module 6: Support operational excellence and readiness using Microsoft Intune * Implement reporting and data visibility using Microsoft Intune

* Apply RBAC and admin delegation in Microsoft Intune
* Maintain tenant health and support readiness

Module 7: Extend endpoint capabilities using Microsoft Intune Suite * Explore Microsoft Intune Suite capabilities

* Implement Remote Help scenarios using Microsoft Intune
* Analyze advanced device signals with Microsoft Intune Suite

Module 8: Deliver cloud-hosted desktops using Azure Virtual Desktop and Windows 365 * Explore Windows 365 for cloud PC deployment

* Configure and manage Windows 365 with Microsoft Intune
* Explore Azure Virtual Desktop
* Integrate Azure Virtual Desktop with Microsoft Intune