

CLOUD

INTERMEDIATE

2 DAYS

Microsoft Intune

Build practical skills in Microsoft Intune with hands-on labs covering core concepts, architecture patterns, and production-ready workflows.

Why Microsoft Intune?

Practical skills

Independently enroll Windows, iOS, and Android devices into Intune.

Operational readiness

Create and assign configuration and compliance policies.

Enterprise outcomes

Deploy applications and enforce app protection policies.

Faster adoption

Monitor device health and respond to compliance violations.

What you'll be able to do

- ✓ Understand the architecture and core components of Microsoft Intune
- ✓ Configure and manage device enrollment for Windows, iOS, and Android platforms
- ✓ Create and apply compliance and configuration policies across device types
- ✓ Deploy and manage applications using Intune
- ✓ Implement role-based access control within Intune
- ✓ Monitor device health, generate reports, and respond to compliance issues
- ✓ Integrate Intune with Azure Active Directory and Microsoft Endpoint Manager

Who this is for

- System Administrators Endpoint Engineers Cloud Engineers Security Engineers IT Administrators Device Management Teams

Curriculum

01 Introduction to Microsoft Intune

- What is Microsoft Intune and where it fits in the Microsoft 365 ecosystem
- Intune vs. on-premise MDM: key differences
- Microsoft Endpoint Manager admin center overview
- Licensing requirements for Intune
- **Hands-on:** Supported platforms: Windows, macOS, iOS, Android; Navigate the MEM admin center; Verify tenant and licensing setup

02 Azure AD and Intune Integration

- Role of Azure Active Directory in Intune management
- Azure AD Join vs. Hybrid Azure AD Join vs. Azure AD Registered
- Conditional Access fundamentals
- User and group management for policy targeting
- **Hands-on:** Co-management with Configuration Manager; Create Azure AD user groups for device targeting; Review Conditional Access policies

03 Device Enrollment

- Enrollment methods: BYOD vs. Corporate-owned
- Windows enrollment: automatic enrollment via Azure AD join iOS/iPadOS enrollment: Apple Configurator, ADE
- Android enrollment: Android Enterprise work profile and fully managed
- Enrollment restrictions and limits
- **Hands-on:** Terms and conditions for enrollment; Configure automatic enrollment for Windows; Set enrollment restrictions by platform

04 Configuration Policies

- Configuration profiles: what they are and when to use them
- Device restrictions: password, camera, screen lock
- Email, VPN, and Wi-Fi profile configuration
- Endpoint security profiles: firewall, antivirus, disk encryption
- **Hands-on:** Settings Catalog vs. Administrative Templates (ADMX); Assigning profiles to users and devices; Create a Windows device restriction profile

05 Compliance Policies

- What is device compliance in Intune
- Creating compliance policies per platform
- Compliance settings: OS version, password requirements, encryption
- Non-compliance actions: notification, device lock, retire
- **Hands-on:** Compliance reports and monitoring dashboard; Build a Windows compliance policy; Simulate a non-compliance scenario and trigger action

06 Application Management

- App types supported in Intune: Store apps, Line-of-Business, Win32
- Adding and assigning apps to groups
- App configuration policies
- App protection policies (MAM) for BYOD scenarios
- **Hands-on:** Managed apps vs. protected apps; Monitoring app deployment status; Deploy a Win32 app via Intune

07 Role-Based Access Control and Scope Tags

- Built-in roles in Intune vs. custom roles
- Assigning roles to administrators
- Scope tags for multi-team or multi-region environments
- Delegated administration scenarios
- Create a custom Intune role with limited permissions
- Apply scope tags to a policy set

08 Monitoring, Reporting, and Troubleshooting

- Intune dashboard: device compliance and enrollment overview
- Audit logs and diagnostic data
- Microsoft Endpoint Analytics
- Troubleshooting enrollment failures
- **Hands-on:** Remote actions: wipe, retire, sync, restart; Windows Autopilot deployment status in Intune; Run a device compliance report