

CLOUD

INTERMEDIATE

2 DAYS

Intune and Apple Business Manager Integration

Connect Apple Business Manager to Microsoft Intune for zero-touch ADE enrollment, VPP app deployment, and policy enforcement across corporate Apple devices.

Why Intune and ABM Integration?

Connected platforms

Link Apple Business Manager to Microsoft Intune and maintain integration tokens independently.

App delivery

Deploy VPP apps from ABM through Intune to the right device groups.

Zero-touch Apple enrollment

Enroll corporate Apple devices through ADE with minimal user intervention.

Policy enforcement

Apply and troubleshoot iOS, iPadOS, and macOS policies via Intune.

What you'll be able to do

- ✓ Connect Apple Business Manager to Microsoft Intune using an MDM push certificate and ADE token
- ✓ Configure Automated Device Enrollment profiles in Intune for supervised Apple devices
- ✓ Deploy and manage VPP-purchased apps from ABM through Intune
- ✓ Apply device configuration and compliance policies to Apple devices enrolled via ADE
- ✓ Troubleshoot common integration issues between ABM and Intune
- ✓ Understand end-to-end zero-touch provisioning for corporate Apple devices

Who this is for

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

Curriculum

01 Architecture Overview

- How ABM and Intune interact: the trust chain
- Key components: APNs certificate, ADE token, VPP token
- Device flow: purchased by company -> assigned in ABM -> enrolled through Intune -> configured
- Supervised vs. unsupervised enrollment paths
- What changes when devices are managed via ADE vs. manual enrollment

02 Connecting ABM to Intune

- Step 1: Creating and renewing the Apple MDM Push Certificate in Intune
- Step 2: Generating and uploading the ADE enrollment program token
- Step 3: Syncing devices from ABM to Intune
- Token expiry management and renewal process
- **Hands-on:** Troubleshooting token upload failures; Create the Apple MDM Push Certificate in Intune; Download the ADE token from ABM and upload to Intune

03 Configuring ADE Enrollment Profiles in Intune

- Creating an Enrollment Program Profile in Intune
- Setup Assistant customisation: which screens to skip or show
- Assigning profiles to devices synced from ABM
- Supervised mode settings in the enrollment profile
- **Hands-on:** User affinity: enrolled with vs. without user affinity; Shared device and kiosk scenarios; Create an ADE enrollment profile in Intune for iPhones

04 Deploying VPP Apps Through Intune

- Uploading the VPP token from ABM into Intune
- Syncing purchased apps from ABM into the Intune app catalog
- Assigning VPP apps to device or user groups
- Device-based vs. user-based VPP licensing in Intune
- **Hands-on:** Automatic app updates for VPP apps; Troubleshooting app assignment failures; Upload VPP token to Intune

05 Configuration and Compliance Policies for Apple Devices

- iOS/iPadOS configuration profiles in Intune
- Commonly used restriction settings for corporate iPhones and iPads
- Email, VPN, and Wi-Fi profiles for Apple devices macOS configuration profiles and endpoint security
- Compliance policies for iOS: OS version, passcode, jailbreak detection
- **Hands-on:** Conditional Access enforcement for non-compliant Apple devices; Create an iOS device restriction profile; Build an iOS compliance policy and assign to a group

06 macOS Management via ABM and Intune

- macOS enrollment options: ADE, direct enrollment, user-initiated macOS configuration profiles: FileVault encryption, Gatekeeper, security baselines macOS app deployment: .pkg and DMG wrapping for Intune macOS compliance settings
- Bootstrap token and Secure Token management
- Review a macOS ADE enrollment profile
- Assign a FileVault encryption profile to a macOS group

07 End-to-End Zero-Touch Workflow

- Full workflow recap: device ordered -> ABM assigns -> Intune profile applied -> user receives ready device
- Role responsibilities: procurement, IT admin, helpdesk, end user
- Handling out-of-box device activation for new hires
- Re-enrolling returned or wiped corporate devices
- **Hands-on:** Documentation and runbook recommendations; Simulate the full zero-touch provisioning workflow for a new iPhone; Test a device wipe and re-enrollment scenario

08 Troubleshooting the Integration

- Device not appearing in Intune after ABM sync
- APNs certificate mismatch or expiry issues
- ADE profile not applying during Setup Assistant
- VPP token sync failures
- **Hands-on:** Device stuck at Enrollment Status Page; Logs to collect: Intune portal diagnostics, Apple Configurator logs, device system logs; Diagnose a simulated token expiry scenario