

Master Class: Intune Modern Device Management Intensive Bundle (IMDMB)

ID IMDMB Price 4,995.— €(excl. tax) Duration 5 days

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Course Overview

This intensive 5-day workshop focuses on Windows and macOS device management with Microsoft Intune as well as support for the mobile platforms iOS and Android. In the first three days, you will acquire sound basic knowledge for the productive use of Intune in heterogeneous desktop environments. Days 4 and 5 will broaden your expertise with the connection of mobile devices.

You will work with real Tenant environments, Windows 11 VMs and iOS test devices throughout. More complex scenarios can also be demonstrated or run through yourself using demo devices or devices you have brought with you. Each participant will have full access to a configured lab environment.

This course combines the contents of the courses [Master Class: Intune Modern Device Management Intensive for Windows and macOS \(IMDM1\)](#) and [Master Class: Intune Modern Device Management Intensive for iOS and Android \(IMDM2\)](#).

Who should attend

- IT professionals who want to centrally manage all device platforms with Intune
- System Engineers with a focus on Modern Device Management (Desktop & Mobile)
- People migrating from traditional MDM solutions to Microsoft Intune
- IT consultants who carry out complete Intune implementations
- Mobile device managers who want to expand their desktop skills
- This workshop is aimed at experienced IT professionals who want to master the full spectrum of modern device management. Ideal for teams who need a comprehensive yet efficient introduction to all Intune platforms.

Prerequisites

Required:

- Sound Windows 10/11 Administration
- Active Directory Domain Services experience
- PowerShell basic knowledge
- Basic understanding of network and PKI
- Basic understanding of iOS and Android platforms

Recommended:

- Microsoft 365/Microsoft Entra ID experience
- Group Policy Management knowledge
- SCCM/Configuration Manager Background

Course Objectives

After completing this workshop, participants will have knowledge in the following areas:

- Setup and operation of hybrid Microsoft Entra ID environments for all platforms
- Implementation of various enrollment strategies for Windows, macOS, iOS and Android
- Automated device management with Windows Autopilot and Apple Business Manager
- Android Enterprise Deployment
- Extended compliance and conditional access strategies, cross-platform
- Mobile Application Management (MAM) for iOS and Android
- PowerShell-based automation and community tools

Course Content

- Microsoft 365 Tenant Setup for Desktop Management
- Hybrid Identity with Entra Connect
- Device Identity Strategies
- Windows Autopilot Deployment
- Windows Configuration Management
- Application Deployment for Windows
- Apple Business Manager Integration

- macOS Enrollment and Management
- Cross-Platform Compliance and Security
- iOS/iPadOS Enrollment Strategies
- iOS Configuration Management
- iOS Application Management
- iOS Security and Compliance
- Android Enterprise Framework
- Android Device Management
- Android Application Management

Detailed Course Outline

Day 1: Foundation & Hybrid Identity

Microsoft 365 Tenant Setup for Desktop Management

- Microsoft Entra ID Tenant configuration and licensing
- Intune Service Setup and DNS-Integration
- Integration with existing AD DS environments

Hybrid Identity with Entra Connect

- Password Hash Sync vs. Passthrough Authentication
- Microsoft Entra Connect Health Monitoring
- Seamless SSO configuration for Windows and macOS
- Troubleshooting synchronization problems

Device Identity Strategien

- Microsoft Entra ID Registration vs. Entra ID Domain Join
- Hybrid Entra ID Join implementation
- Device-based Conditional Access Policies
- Kerberos authentication in hybrid scenarios

Day 2: Windows Management Basics

Windows Autopilot Deployment

- Hardware Hash Import and Device Registration
- Self-Deploying Mode and User-Driven Deployment
- Autopilot Reset and Reprovisioning
- Windows Autopilot device preparation (Autopilot V2)

Windows Configuration Management

- Settings Catalog for Windows 11 specific settings
- Security Baselines Implementation
- Windows Update for Business Integration
- Custom Configuration Service Provider (CSP) Policies

Application Deployment for Windows

- MSI, Store and Win32 App Deployment
- PowerShell Script Deployment with Intune Management

Extension

- Microsoft Store App Management
- App Installation Monitoring and Reporting

Day 3: macOS Management & Cross-Platform Security Features

Apple Business Manager Integration

- Apple Business Manager Account Setup
- Apple Push Certificates Management
- Device Enrollment Program (DEP) Konfiguration
- Volume Purchase Program (VPP) for app licenses

macOS Enrollment and Management

- Automated Device Enrollment (ADE) for macOS
- User Enrollment vs. Device Enrollment Strategien
- macOS Configuration Profiles
- Shell Script Deployment for macOS

Cross-Platform Compliance and Security

- Unified Compliance Policies for Windows und macOS
- Conditional access for both platforms
- BitLocker and FileVault Management
- Certificate-based Authentication (SCEP/PKCS)
- Microsoft Defender for Windows and macOS

Day 4: iOS Management & Apple Enterprise Integration

iOS/iPadOS Enrollment Strategies

- Automated Device Enrollment (ADE) Configuration
- User Enrollment vs. Device Enrollment
- Apple Configurator Enrollment
- BYOD Scenarios with Apple Account Integration/Federation

iOS Configuration Management

- iOS Configuration Profiles
- Supervised vs. Unsupervised Device Management
- Restrictions and Compliance Policies für iOS
- HomeScreen Layout and App Organization

iOS Application Management

- App Store apps via VPP
- Line-of-Business (LOB) apps for iOS
- App Protection Policies (MAM) for iOS
- Per-app VPN configuration for iOS

iOS Security and Compliance

- iOS Passcode Policies and Touch/Face ID

- iOS Device Compliance Requirements
- Conditional Access for iOS Devices
- iOS Data Loss Prevention (DLP)

Day 5: Android Enterprise

Android Enterprise Framework

- Android Enterprise Enrollment Modi (Work Profile, Fully Managed, Dedicated)
- Google Play Console Integration
- Managed Google Play Store Setup
- Android Zero-Touch Enrollment

Android Device Management

- Android Enterprise Work Profile Management
- Fully Managed Device Scenarios
- Android Dedicated Device (Kiosk) Configuration
- Samsung Knox Integration

Android Application Management

- Managed Google Play Apps
- Private Apps n the Managed Google Play Store
- App Protection Policies (MAM) for Android

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