

Master Class: Intune Modern Device Management Intensive for Windows and macOS (IMDM1)

ID IMDM1 **Price** 3,290.— €(excl. tax) **Duration** 3 days

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Course Overview

This intensive 3-day workshop focuses on Windows and macOS device management with Microsoft Intune. In the first two days, you will acquire sound basic knowledge for the productive use of Intune in Windows environments, on day 3 you will broaden your expertise with the connection of macOS devices.

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

Who should attend

- IT professionals who want to manage end devices centrally with Intune
- System Engineers with a focus on Modern Device Management
- People migrating from traditional MDM solutions to Microsoft Intune
- IT consultants who carry out Intune implementations in the desktop area
- Mobile device managers who want to expand their desktop skills
- This workshop is aimed at experienced IT professionals who want to master the desktop focus of modern device management.

Prerequisites

Required:

- Sound Windows 10/11 Administration
- Active Directory Domain Services experience
- PowerShell basic knowledge

- Basic understanding of network and PKI

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 the Windows and macOS platforms
- Implementation of various enrollment strategies for Windows and macOS
- Automated device management with Windows Autopilot and Apple Business Manager
- Extended compliance and conditional access strategies, cross-platform
- PowerShell-based automation and community tools

Course Content

- Microsoft 365 Tenant Setup for Desktop Management
- Hybrid Identity with Entra Connect
- Device Identity Strategien
- Windows Autopilot Deployment
- Windows Configuration Management
- Application Deployment for Windows
- Apple Business Manager Integration
- macOS Enrollment and Management
- Cross-Platform Compliance and Security

Detailed Course Outline

Tag 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 mit 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 Strategies

- 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 Strategies

- macOS Configuration Profiles
- Shell Script Deployment for macOS

Cross-Platform Compliance and Security

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

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