

Enterprise Mobile Device Management with Microsoft Intune

WorkshopPLUS

Focus Area: Change and Configuration Management

Duration: 3 days

Difficulty: 300 - Advanced

Overview

Learn how to use Microsoft Intune to manage applications and devices from the cloud. The WorkshopPLUS addresses the specific needs within the customer environment in terms of Enterprise Mobile Device Management (MDM), organizational constraints and processes/operational infrastructure architectures and business solutions.

Objectives

After completing this training, students will be able to:

- Understand the evolution to modern workplace.
- Learn about Microsoft's solution to simplify mobile and PC management.
- Learn about Microsoft Intune overview and capabilities.
- Understand the Microsoft 365 Endpoint Management portal.
- Understand Requirements for Microsoft Intune
- Learn about usage scenarios for iOS and Android
- Understand how to enroll iOS and Android devices
- Understand Application Deployment in Intune
- Understand Application Protection technology
- Understand Intune Device and Application Profiles
- Get a basic understanding of certificate deployment scenarios
- Understand device compliance
- Understand conditional access scenarios
- Understand Intune Role based Access
- Understand the modern reporting framework
- Troubleshooting actions in Intune and Company Portal app
- Manage device actions like wipe, retire and delete, passcode reset, remote lock and many more
- Accessing Intune data through Graph Explorer

Key Takeaways

Course Material

- Microsoft MDM solution – architectural concepts
- Provisioning of iOS and Android Enterprise platforms
- Configuring a Microsoft Intune tenant, enrolling devices, deploying apps, enforcing policies, and distributing profiles
- Tools and technics for administering Microsoft Intune

Hands-on Labs

- Most of the concepts covered above will be supported by hands-on labs and demos.
- Subscriptions are accessible for several weeks after starting the workshop

Agenda

Day 1

- Enterprise Mobile Device Management - Introduction
- Microsoft Intune Configuration and Enrolment

Day 2

- Intune Application Management
- Intune Application Protection
- Intune Device Polices and Profiles

Day 3

- Compliance & Conditional Access Policies
- Logging, Reporting and Managing Devices
- Managing the Device Lifecycle and Introduction to Automation via Graph-API

Plan for three full days. Early departure on any day is not recommended.

Course Details

Module 1: Introduction to Enterprise Mobile Device Management

- Evolution to Modern device management.
- Introduction to Microsoft Intune and its features.

Module 2: Configuration and Device Enrollment

- Integration between Microsoft Azure AD, Microsoft Intune, and Microsoft Office 365.
- How to configure Intune for device enrollment and enroll iOS, Android into MDM.

Module 3: Application Management

- How to deploy Apple and Android apps to mobile devices.
- Learn about Line of Business application, deep-link apps and web-apps deployment.

Module 4: Application Protection Policies

- Understand Mobile Application Management (MAM) and Mobile Device Management (MDM) Scenarios
- Learn about Application Protection Policy enforcement scenarios in in Microsoft Intune.

Module 5: Device Profiles

- Device Configuration Profiles deployment such as Wi-Fi, Email, Certificate, VPN Profiles to devices
- Basic Understanding of Certificate deployment
- Application configuration profiles

Module 6: Company Policies and Conditional Access

- Understand Device Compliance
- Learn how to user Conditional Access for Office 365 services.

Module 7: Role Based Access Control

- Understand the concepts of Distributed IT and Role based access to Intune Recourses.

Module 8: Monitoring, Logging & Reporting:

- Learn about Intune internal auditing and endpoint health.
- Utilize reports about device compliance, health and trends using Azure Log Analytics and Intune Data Warehouse leveraging Power BI

Module 9: Managing Device Lifecycle

- Reviewing Troubleshooting technics, using device actions and accessing Intune data and settings through Graph Explorer

Recommended Qualifications

To ensure the high-quality knowledge transfer to attendees of this three-day WorkshopPLUS we recommend this prerequisites.

- Understanding of the fundamentals for iOS and Android platforms.

Device Requirement

- Bring an Android (9 or higher) or/and iOS (12 or higher) device for the labs (Devices may be factory reset during the workshop)
- Using a device emulator is not recommended. Labs are not tested against any emulator. (<https://aka.ms/Android-Studio>)

Lab Requirements

The Lab environment will be provided using the Lab on Demand Platform. Participants are required to complete following prerequisites prior attending the class:

- Microsoft Account to connect to the virtual environment using an actual browser
- Apple ID and a Google Account with the ability to receive MFA messages
- Create and start using an Apple ID: <http://support.apple.com/en-us/HT203993>
- Create a Google Account: <https://support.google.com/accounts/answer/27441?hl=en>

For more information

Contact your Microsoft Account Representative for further details.