

AUTOMATA

Technology Services LLC

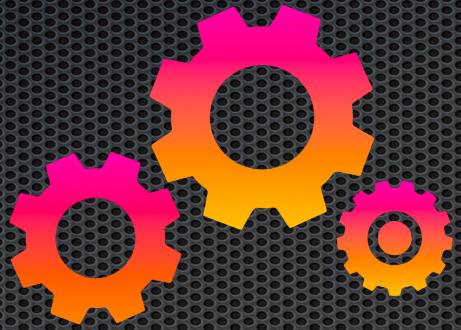
Apple macOS and iOS System Administration

Mosyle MDM

macOS 15 Sequoia

iOS/iPadOS 18

Apple INTELLIGENCE



AUTOMATA

Technology Services LLC

Introduction

MEET Your Instructor

State of Apple Platforms (2024)

Modern Apple Device Management

Technical Requirements for this Course

Meet Your Instructor

Drew Smith

Meet Your Instructor

- Drew Smith
- Founder, CEO of Automata Technology Services LLC
- Supporting Apple Devices in Business and Academic Settings for over 25 Years!
- Authored books on Apple Platform Management and have taught on Udemy since 2019.



Meet Your Instructor

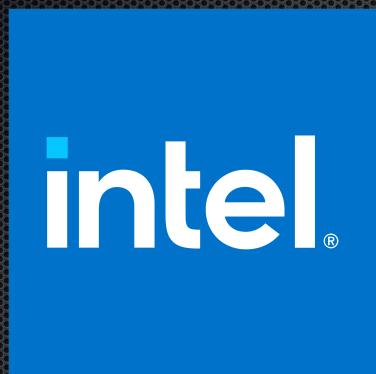
- ❖ Hobbies Include...
 - ❖ Building iOS and Apple Watch games... **thanks to Udemy courses!**
 - ❖ Movies and Films
 - ❖ Video Games
 - ❖ Music



State of Apple Platforms

v. 2024

Macintosh Hardware



Macintosh Hardware



Apple Silicon

macOS



iOS / iPadOS

includes watchOS & tvOS



State of Apple Platforms

- Apple IDs are now **Apple Accounts**
- System Preferences are now **System Settings**
- **Apple Business Manager** vs Apple School Manager
 - Core Functionality is the same.
 - Apple School Manager includes specific Apple Classroom & SIS Integration

Modern Apple Device Management

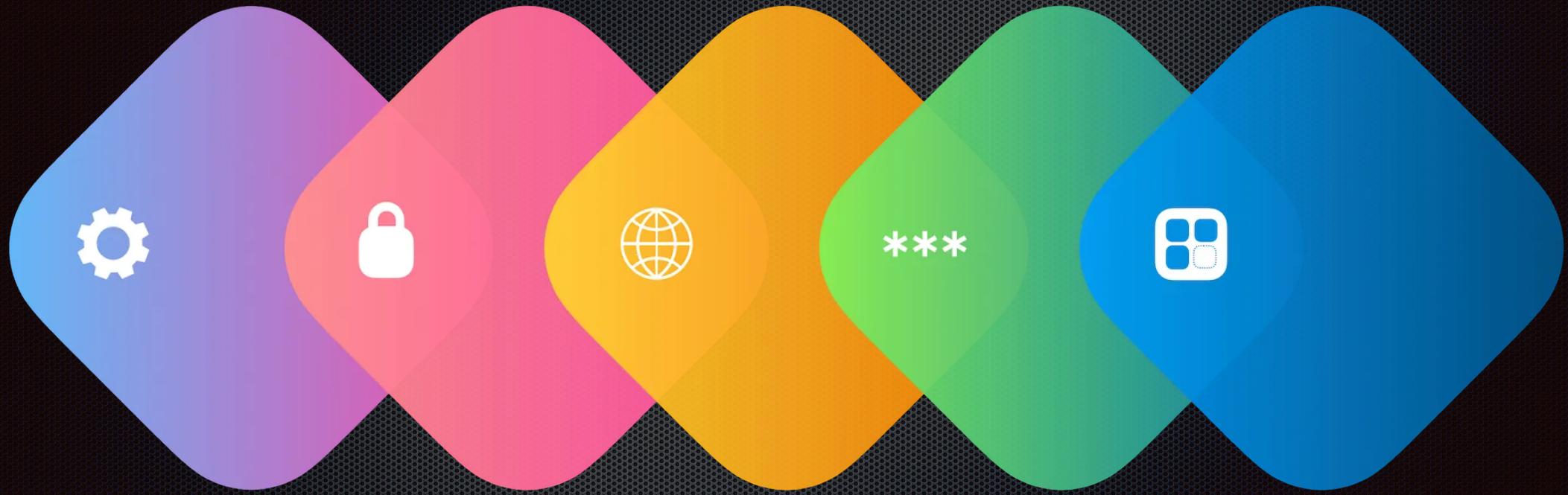
Lecture

Do I need an MDM?

Do you need to...?

- Manage a number of device endpoints remotely.
- Install specific device-level restrictions for end-users.
- Manage software and operating system updates.
- Secure company-owned devices.
- Configure user-owned devices for specific organization service access.

YES, YOU NEED AN MDM



mosyle

Apple Unified Platform

Why Mosyle?

- Includes MDM, Endpoint Security, Internet Security, Identity Management, and Application Management in one package.
- Great technical support (even during their free evaluation period).
- Leading edge and Apple focused.
- You get up to 30 free evaluation licenses - perfect for learning!

...Many concepts will transfer to other leading MDM solutions (including JAMF).

Course Structure

Lecture

Course Structure

Apple Platform Management Basics

Federation & Device Assignment

MDM Configuration & Use

Code-Along Exercises

Mac Security & Special Topics

Client Management

Apple Business Manager

Using Mosyle MDM

Class Projects

Security, tvOS, Apple Intelligence

Technical Requirements

Lecture

Technical Requirements

- Apple School Manager or Apple Business Manager Account.
- Mosyle MDM — Free Trial Available.
- Mac capable of running macOS 15 Sequoia (preferably Apple Silicon).
- iOS device capable of running iOS 18.
- Apple Configurator (for Mac) recommended & associated USB/Lightning cables.
- Apple Remote Desktop (for Mac) recommended.
- Internet access, Apple ID with App Store capabilities.

Prerequisites

- Recommend a decent amount of experience with Apple Mac and iPhone/iPad devices as an end-user.
- ACSP certification and ACITP certification is a plus, but not a requirement.
- Some experience with Microsoft Azure / Entra ID or Google Workspace identity providers is also a plus.