

# Class Project 5 - Zero Touch Mac Deployment

## Assignment Details

Automata Technology Services LLC

Revision 2.0

## Scenario

You have been tasked with creating a managed deployment of MacBooks for your company. These are devices that will be assigned to staff members as their primary computer workstation. The devices are company owned and should be branded and secure. They will be deployed new out of the box to end-users with Mosyle Embark and they will create a local account when they sign in with a cloud-based Identity Provider (Microsoft Entra ID, Google Workspace, etc).

## Required Assets

- Custom wallpaper file for the company in PNG or JPG format and under 2MB in size.
- Custom icon with the company's logo in PNG or JPG format at 1024 x 1024 pixels in size.

## Required Organization Changes

- Managed Apple Account and User Account in Apple Business Manager
- User Account in Mosyle MDM with matching Managed Apple Account
- Device Group in Mosyle MDM for company owned devices being managed

## Device Configuration End-State

- Utilize Mosyle Embark to assist with onboarding
- Skip these Setup Assistant Screens
  - macOS Registration
  - Location Services
  - Restore from Backup
  - Terms and Conditions
  - Apple Pay
  - App Analytics
  - iCloud Analytics
  - iCloud Documents and Desktop Configuration
  - Privacy

- True Tone Display
- Screen Time
- Automatically Install Rosetta 2 on Apple Silicon Macs
- Create a Corporate Administrator Account
  - Hide from end-users
- Prompt end-user to create a Standard user account
- Enable Apple Remote Desktop Support
  - Local Corporate Administrator Access Only
  - Full Access
  - Confirm access via ARD Console after device setup
- Network System Preference
  - WiFi Network for Company's WiFi.
- iCloud Drive configured for Managed Apple Account
- Enable Platform Single Sign-On with an Identity Provider.
- Enforce Company Minimum Passcode Requirements.
- Install these Required Apps:
  - Microsoft Word
  - Microsoft Excel
  - Microsoft PowerPoint
  - Microsoft Outlook
  - Microsoft OneNote
  - Microsoft Company Portal
  - Adobe Creative Suite (and/or Acrobat Reader DC)
  - Google Chrome
  - Self-Service (Mosyle Business)
- Configure the Dock to include the following Applications added to the user's Dock - leaving much of the Dock to be personalizable by the user.
  - Applications Folder
  - Web Link to Company's HomePage
- Apply Company Wallpaper
- Force Enable FileVault Encryption
- Disable the Following System Preferences
  - Wallpaper
  - Energy Saver
  - Network
  - Screen Time
  - Software Update
- Login Window should include a message about the device being owned by the Company
  - Rename the Device to Serial Number dash 1:1 User ID
  - Allow major macOS updates to be delayed for install by a max of 30 days.
  - Automatically install App updates and security updates and download these updates in the background