

Going to 11, Our Jamf Onboarding Process

Topher Nadauld, Marriott Library



Overview

- Purpose
- Onboarding Process
- Tools
- Scripts
- References



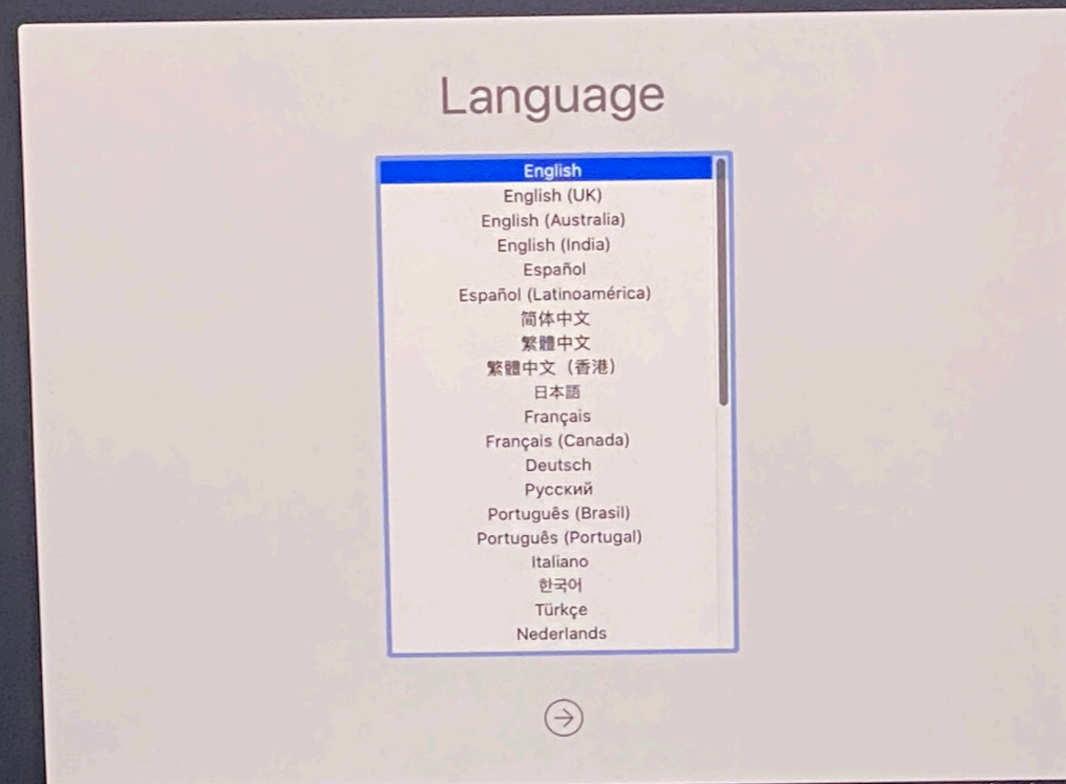
Purpose

- 350 New MacBook Pros funded by the Cares Act
- 200 MacBook Pros in the Laptop Checkout Program
- 120 iMacs in the Knowledge Commons
- Three 45 seat Mac Classrooms
- COVID-19
- Topher, Richard, and O’Ryan



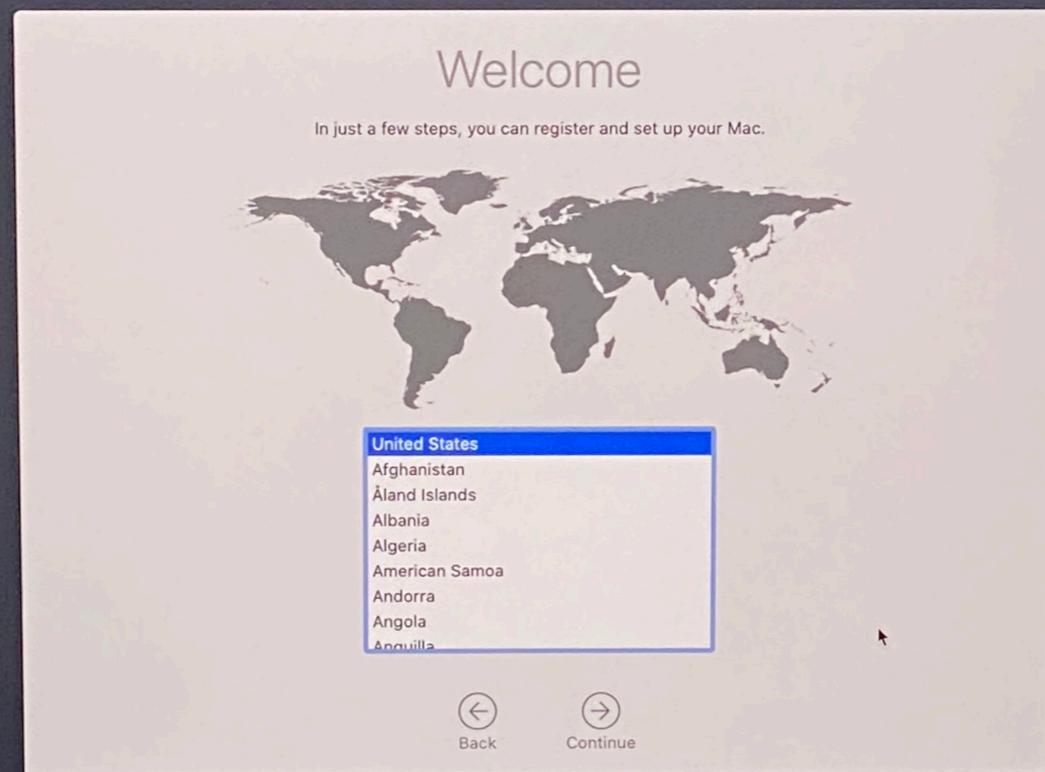
Onboarding Process

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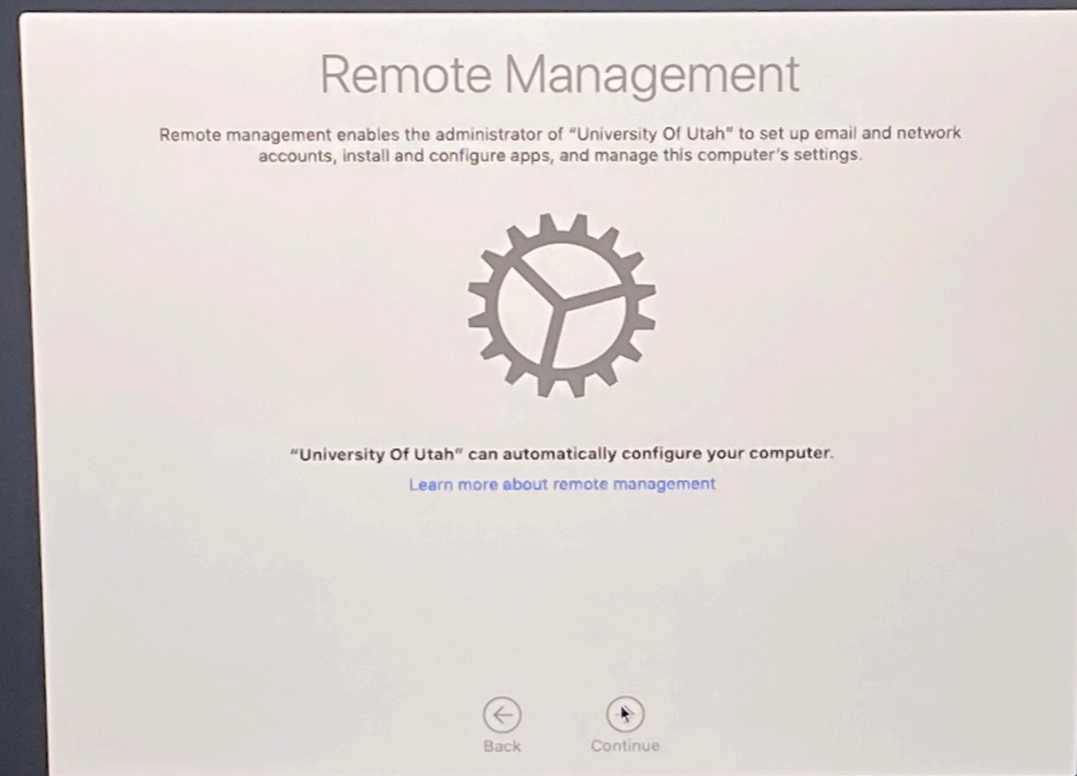
Onboarding Process



Press the escape key to hear how to set up your Mac with VoiceOver.

Triple-click Touch ID to view accessibility options.

Onboarding Process




Onboarding Process

Select Your Time Zone

To select a time zone, click the map near your location and choose a city from the Closest City menu.
You can also have the time zone change automatically, if possible, based on your current location.

Set time zone automatically using current location



Time Zone: Pacific Daylight Time
Closest City: Cupertino, CA - United States

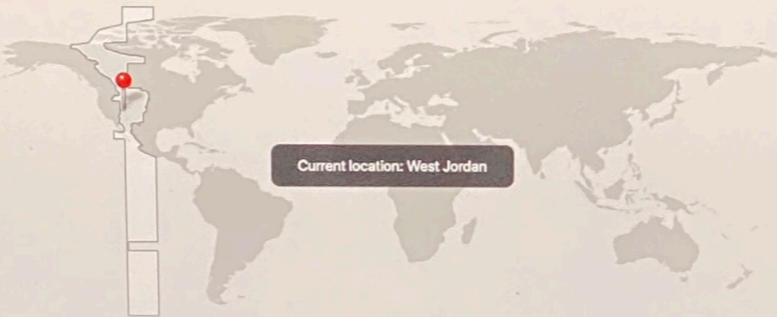
Back Continue

Onboarding Process

Select Your Time Zone

To select a time zone, click the map near your location and choose a city from the Closest City menu.
You can also have the time zone change automatically, if possible, based on your current location.

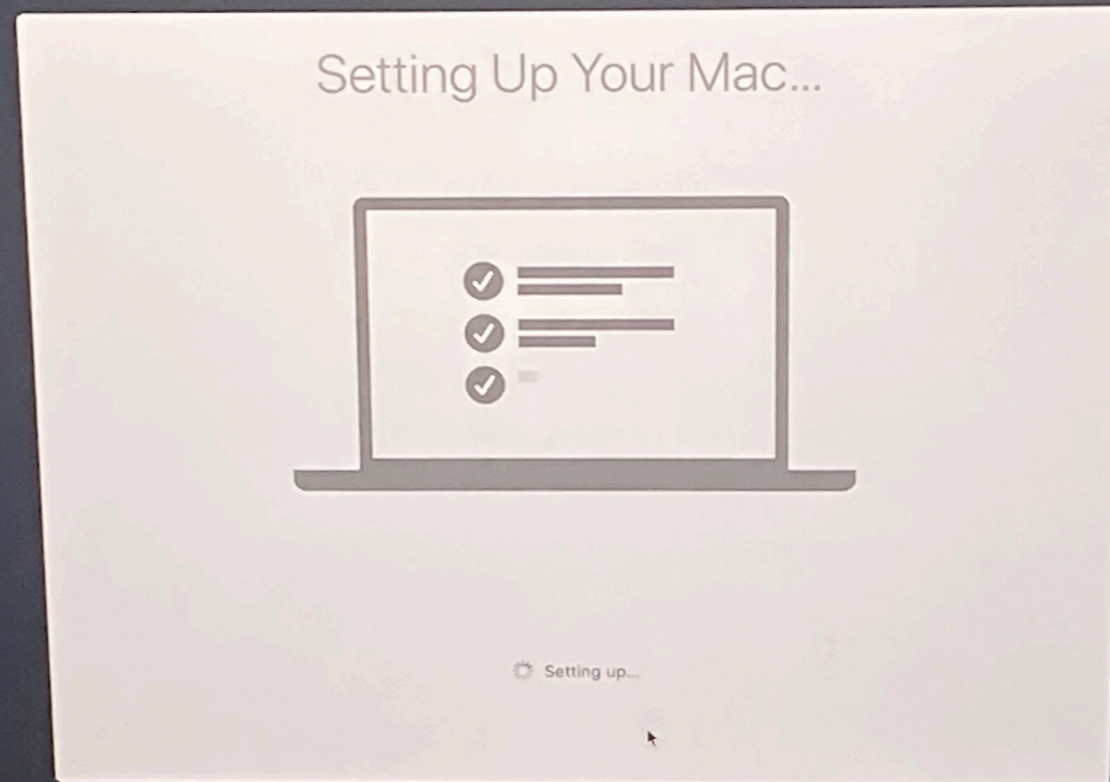
Set time zone automatically using current location



Time Zone: Mountain Daylight Time
Closest City: El Paso, TX - United States

Back Continue

Onboarding Process



Onboarding Process



Onboarding Process



Onboarding Process



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THE UNIVERSITY OF UTAH

ALL U
NEED

Setting things up...

Welcome to macOS! The OS is currently running 10.15.6.
Please wait while the Marriot Library sets up the Mac with software and settings it
needs. This may take awhile.
Once finished you can login and setup the computer.

Installing Microsoft Office 2019

Onboarding Process



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Installing Lab Software

Installing all Lab Software. This will take at least 2 hours.

Installing Adobe Creative Cloud 2020

Onboarding Process



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Almost Done...

Checking for any additional tasks that need to be completed. Just a little bit longer



Checking....

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All Done!

Everything has been configured. You'll be able to log in now, once the computer restarts.

If you need any assistance, please contact the Marriott Library Client Platform Services.

Telephone: 801-585-9811
Ticket: scl.utah.edu -> Mac Feedback

Finishing Up System Processes..

Onboarding Process



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**ALL U
NEED**

All Done!

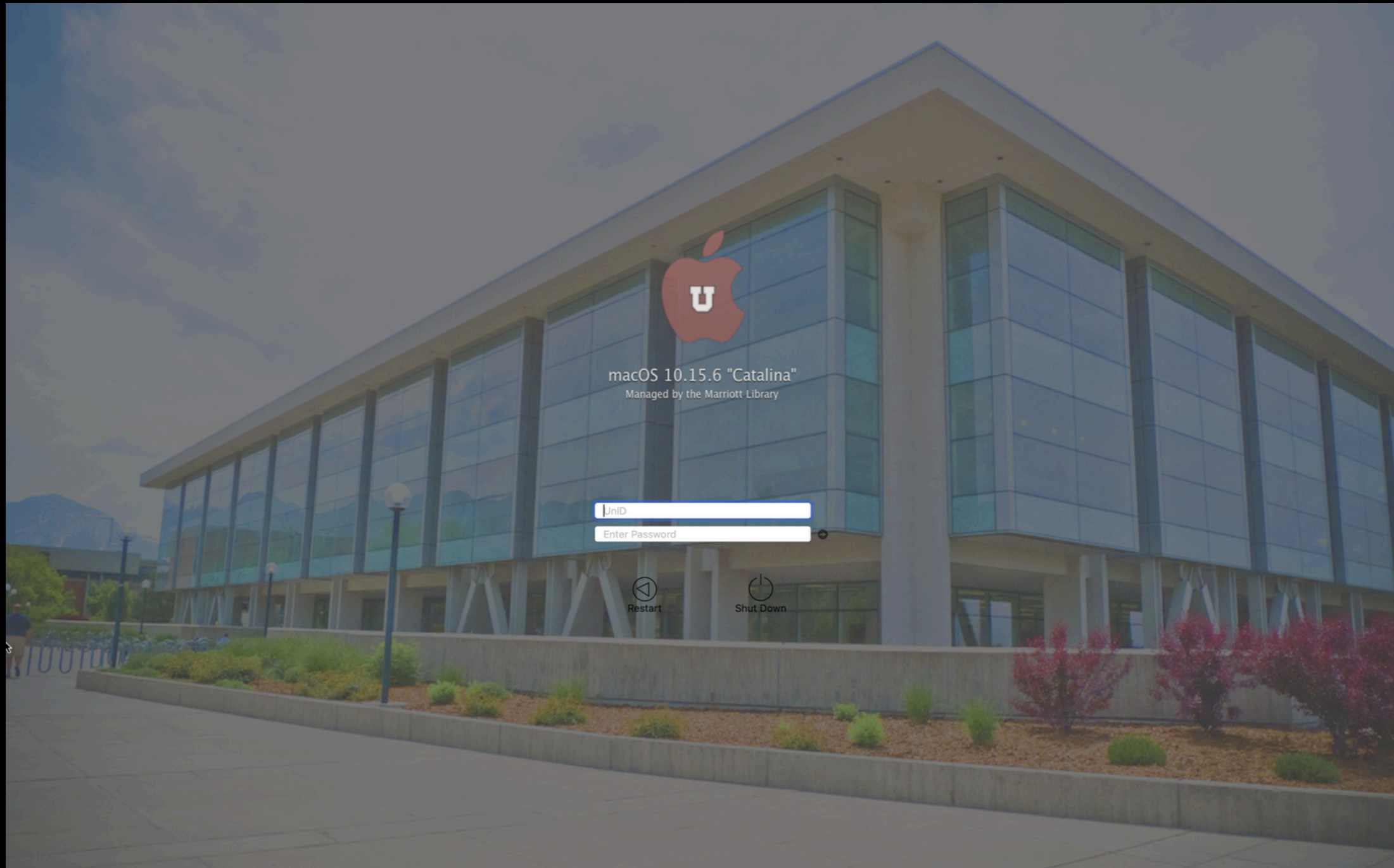
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Rebooting Shortly

Onboarding Process



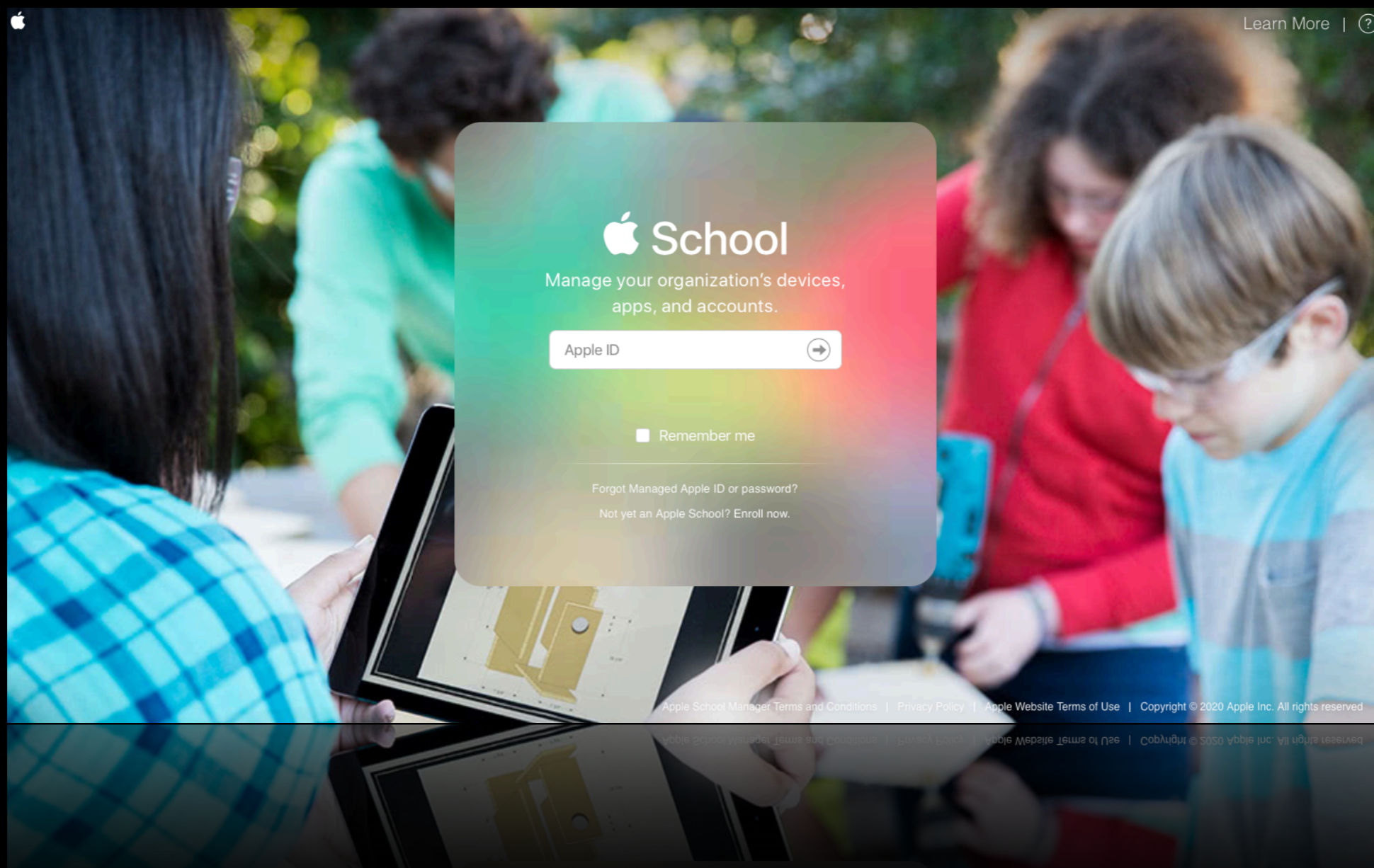
How did we do it?

- Apple School Manager
- DEP Notify
- NoMAD
- NoMAD Login AD
- Jamf
- Custom Scripts



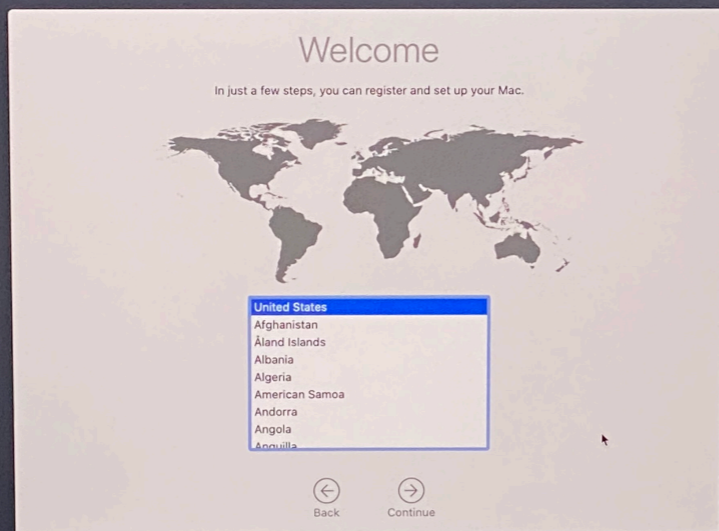
Apple School Manager

- Add serial numbers to our ASM for Automated Enrollment.



Setup Assistant

Setup Assistant



Press the escape key to hear how to set up your Mac with VoiceOver.
Triple-click Touch ID to view accessibility options.

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Setup Assistant

Remote Management

Remote management enables the administrator of "University Of Utah" to set up email and network accounts, install and configure apps, and manage this computer's settings.



"University Of Utah" can automatically configure your computer.

[Learn more about remote management](#)



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Setup Assistant

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Time Zone: Pacific Daylight Time

Closest City: Cupertino, CA - United States



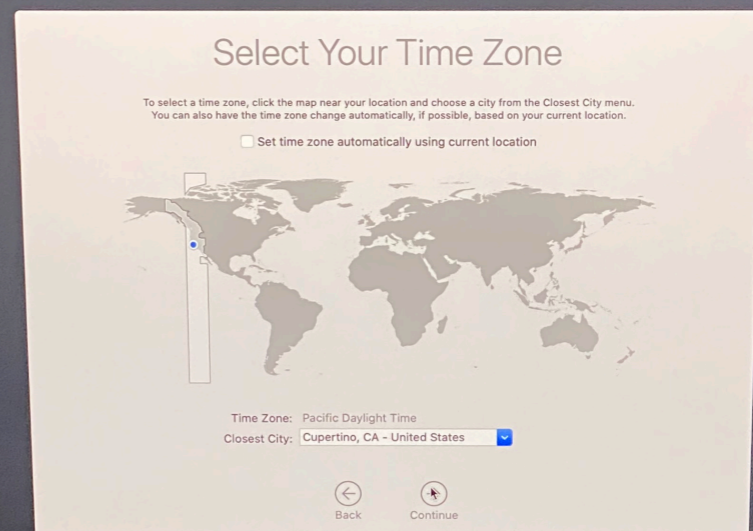
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Setup Assistant

- Not quite zero touch but close



PreStage Enrollment

- Automatically adding new computers into a PreStage
- Deploying an Admin Account
- Skipping all the Setup Assistant screens

PreStage Enrollment

- Automatically adding new computers into a PreStage
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General

Display Name Display name for the PreStage enrollment

Automated Device Enrollment Instance
Automated Device Enrollment instance to associate with the PreStage enrollment. Devices associated with the selected Automated Device Enrollment instance can be assigned the PreStage enrollment

DEP - ESL ▾

Automatically assign new devices
Automatically assign all new devices to this PreStage enrollment

Automatically assign all new devices to this PreStage enrollment
Automatically assign new devices

DEP - ESL ▾

PreStage Enrollment

- Automatically adding new computers into a PreStage
- Deploying an Admin Account
- Skipping all the Setup Assistant screens

The screenshot shows the 'Account Settings' window in macOS. The window is titled 'Account Settings' and has a close button in the top right corner. The main content area is divided into two sections. The top section is titled 'Create a local administrator account before the Setup Assistant' and has a checked checkbox. Below this, there are three text input fields: 'Username' (containing 'apple'), 'Password' (containing dots), and 'Verify Password' (containing dots). The bottom section is titled 'Local User Account Type' and has three radio button options: 'Administrator Account' (unselected), 'Standard Account' (unselected), and 'Skip Account Creation' (selected). The 'Skip Account Creation' option is highlighted with a blue circle. The window is overlaid on a blurred background of the 'General' settings page, which shows 'Display Name' as 'DEP Base' and 'Automated Device Enrollment' as 'DEP - ESL'.

Account Settings

Create a local administrator account before the Setup Assistant
Local administrator account to create before the Setup Assistant for computers enrolled with this PreStage enrollment

Username
apple

Password
.....

Verify Password
.....

Hide managed administrator account in Users & Groups

Local User Account Type Type of user account to create during enrollment

Administrator Account
Make the user an administrator for the computer

Standard Account
Make the user a standard user on the computer

Skip Account Creation
The user will not create a local user account

PreStage Enrollment

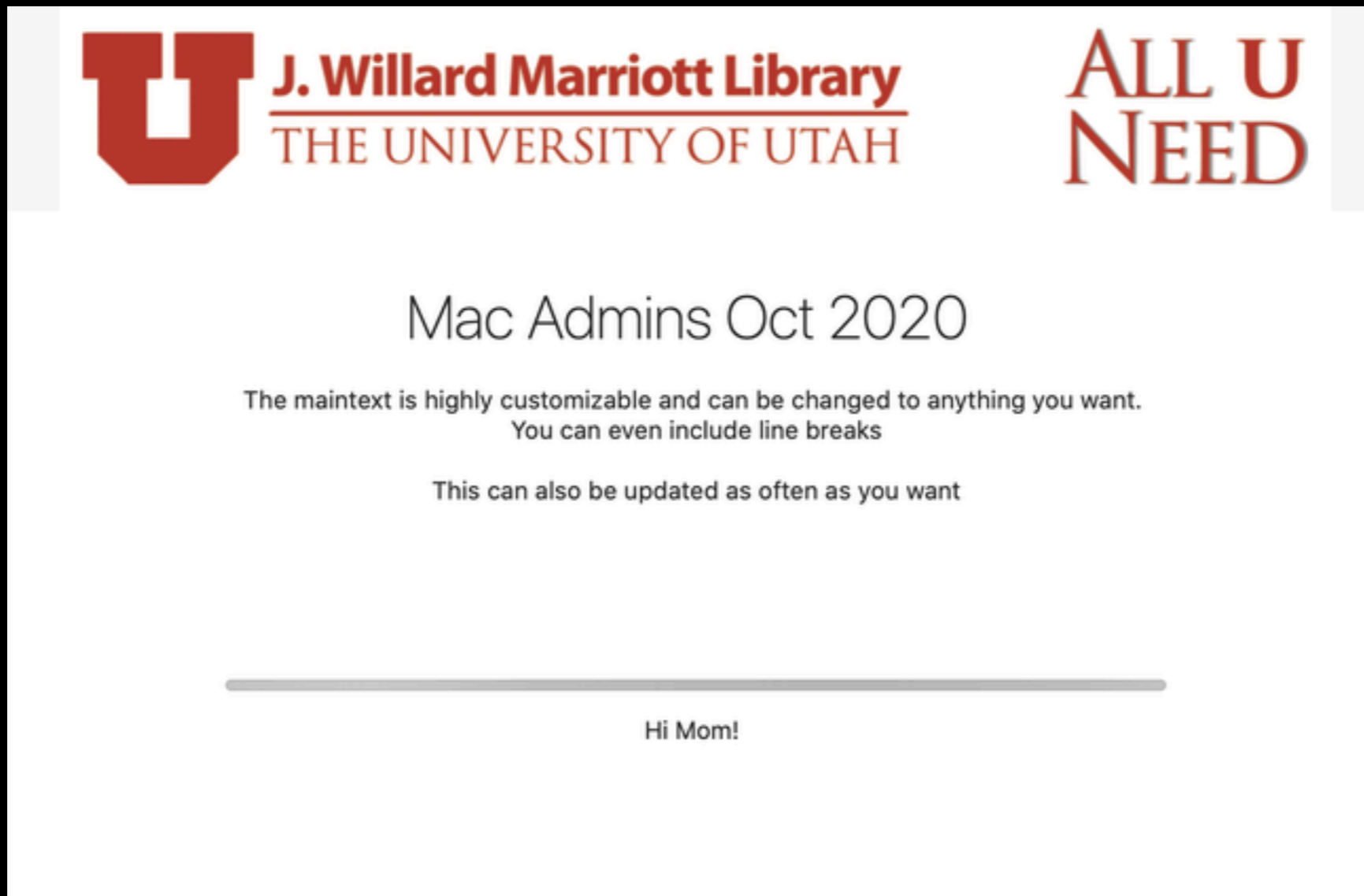
- Automatically adding new computers into a PreStage
- Deploying an Admin Account
- Skipping all the Setup Assistant screens

The screenshot displays the configuration interface for PreStage enrollment, divided into three main sections:

- General:** Includes a "Display Name" field set to "DEP Base" and an "Automated Device Enrollment" dropdown menu set to "DEP - ESL". A checkbox for "Automatically assign" is checked.
- Account Settings:** Features a checked checkbox for "Create a local administrator account before the Setup Assistant". Below this are input fields for "Username" (containing "apple"), "Password", and "Verify Password". A checkbox for "Hide managed administrator account in Users & Groups" is also checked. At the bottom, the "Local User Account Type" section has three radio button options: "Administrator Account" (unselected), "Standard Account" (unselected), and "Skip Account Creation" (selected).
- Setup Assistant Options:** A list of services to be skipped during enrollment, all of which are checked with blue checkmarks: Location Services, Transfer Information, Apple ID, Terms and Conditions, Siri, App Analytics, Touch ID / Face ID, Apple Pay, and Registration. A note at the top right states "Selected items are not displayed in the Setup Assistant during enrollment".

DEP Notify

- DEP Notify allows us to run scripts without presenting the loginwindow to the user.



DEP Notify Script

- Checks for Setup Assistant to be done before starting
- Authchanger covers the Loginwindow

```
/usr/local/bin/authchanger -reset -AD -preLogin NoMADLoginAD:Notify
```

- Deploy base customization policies
- Generates the loginwindow graphic
- Dialog changes to notify the user

```
$JAMFBIN policy -event first_install  
  
## Set computer name  
/bin/echo "Status: Setting Computer Name..." >> $DNLOG  
$JAMFBIN policy -event set_computer_name  
  
$JAMFBIN policy -event loginpanelgraphic
```

```
/bin/echo "Command: Image: "/Library/Management/marriottAUNWhite.png"" >> $DNLOG  
/bin/echo "Command: MainTitle: Please wait a moment..." >> $DNLOG  
/bin/echo "Command: MainText: Doing initial setup. Configuration will continue shortly." >> $DNLOG  
/bin/echo "Status: Please wait..." >> $DNLOG
```

DEP Notify Script

- Difference between Staff and Lab Configuration
- Notify script that runs with the each Application policy

```
/bin/echo "Status: $4" >> /var/tmp/depnotify.log
```

- Finish screen for the User
- Final System Processes then reboot



```
## Quit out of Notify and restart the computer.  
/sbin/shutdown -r +2 &
```

NoMAD Login AD

- Customized Loginwindow

- Background

- Settings

- Loose bind to AD

- Local Account creation

- Used with NoMAD for Password Syncing



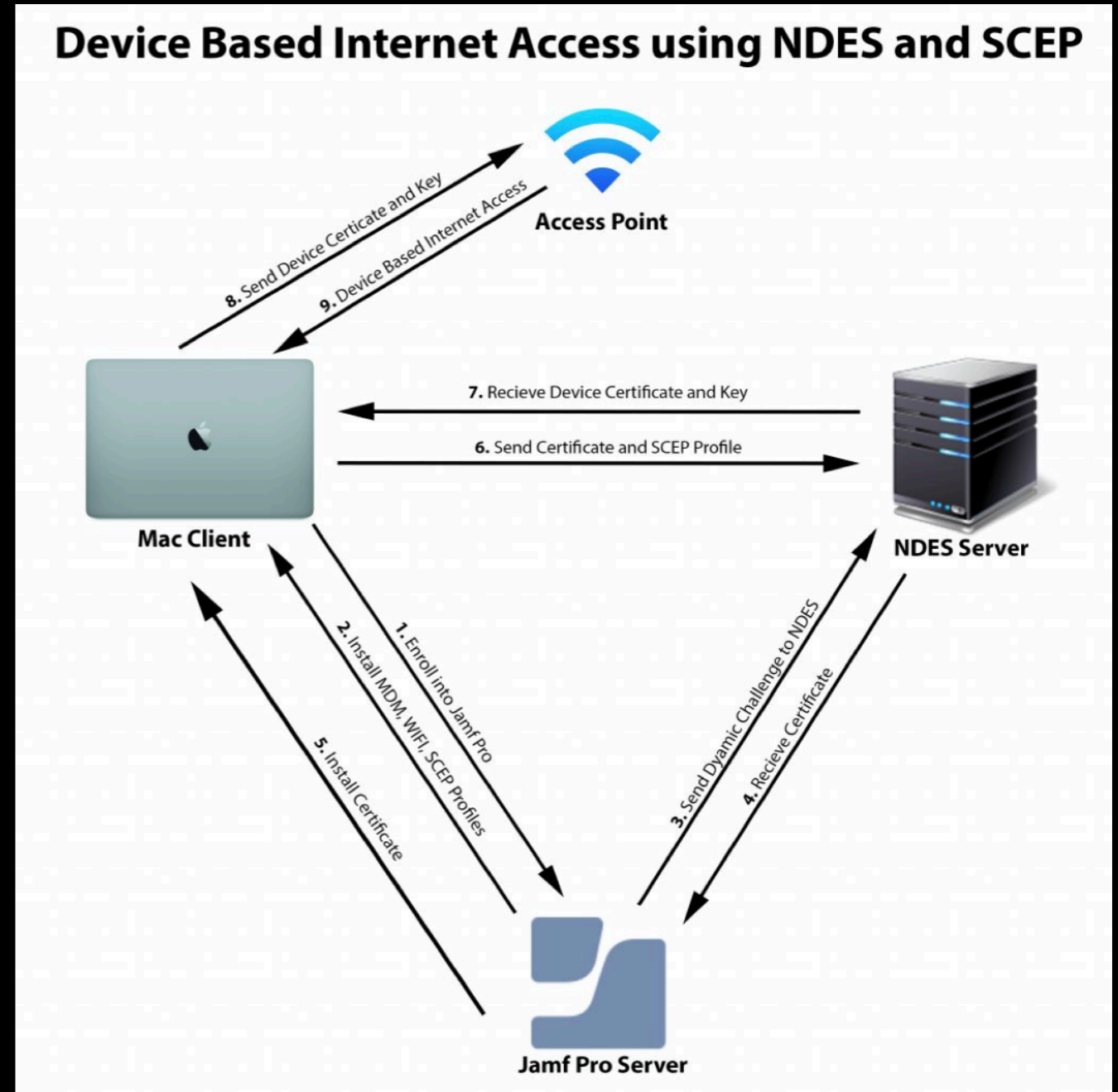
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NoMAD
L O G I N

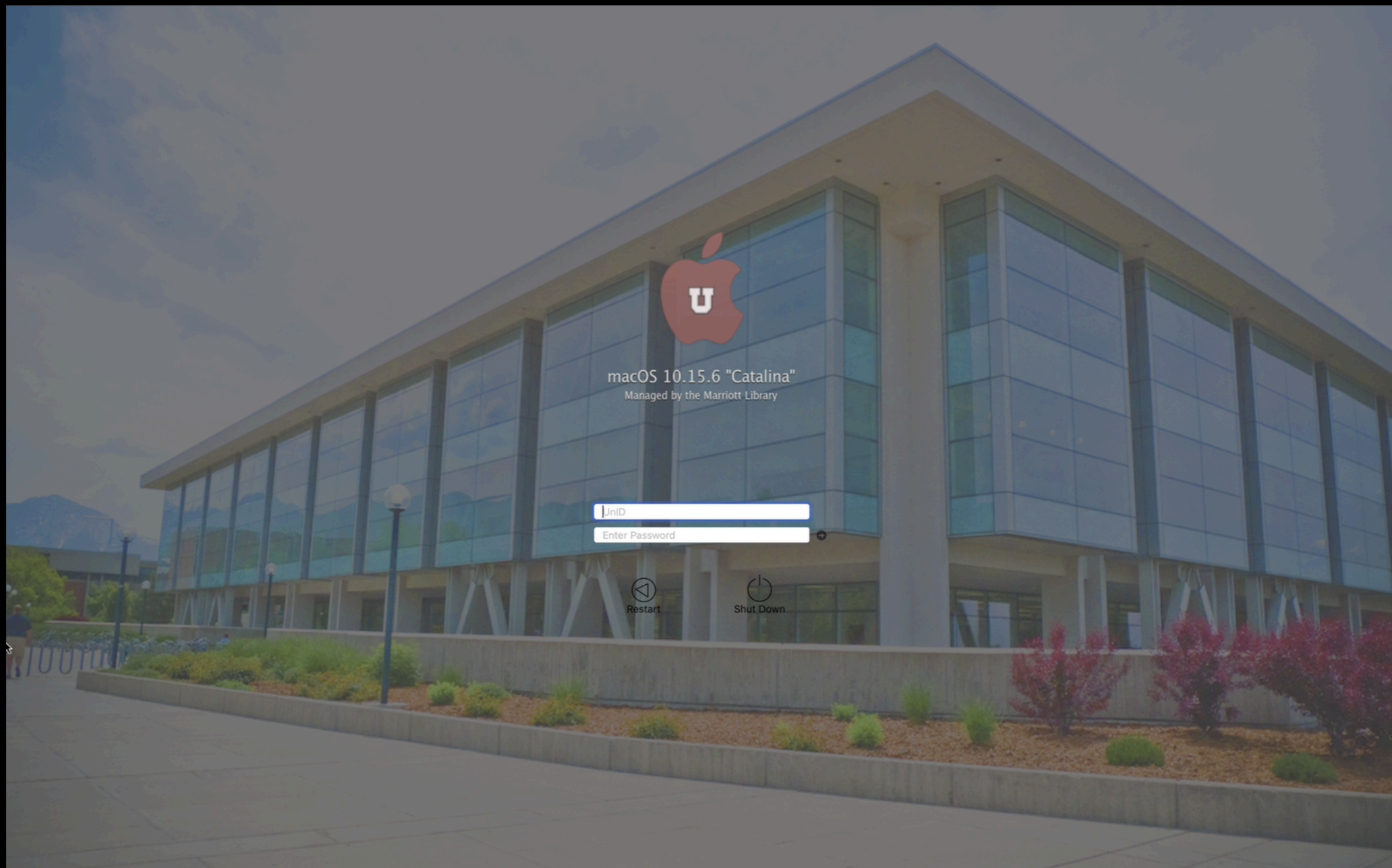
Device Based Network

- Allows NoMAD to login the user on campus without having to plug into network.



It's Ready!

- The computer reboots after finishing DEP Notify to a full configured computer.



Application Management

- Patch Management



- Kinobi

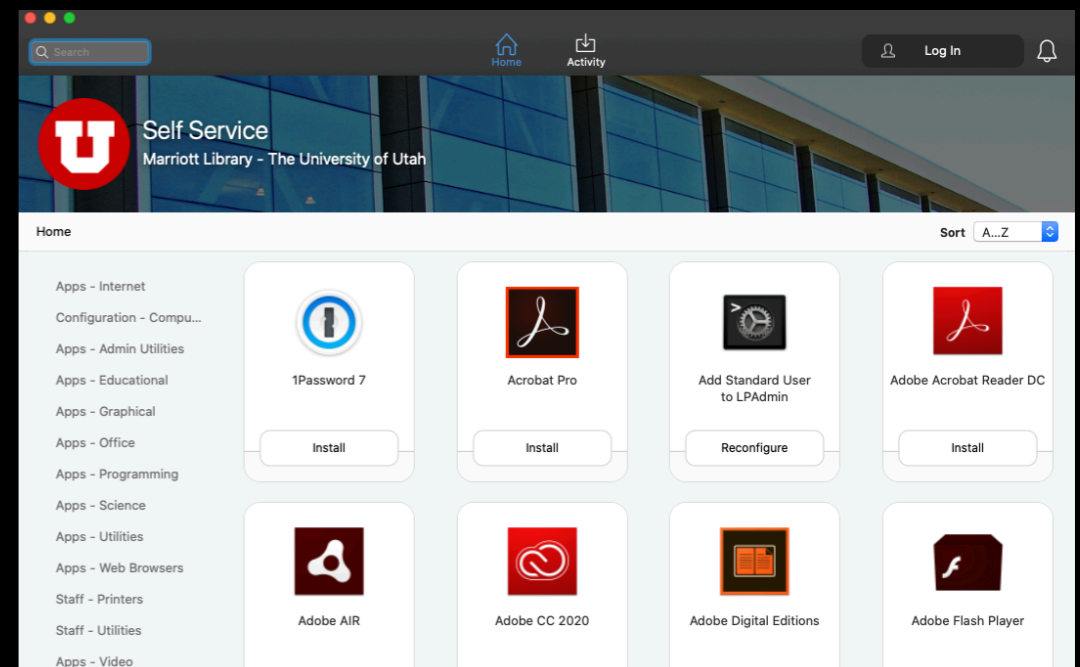
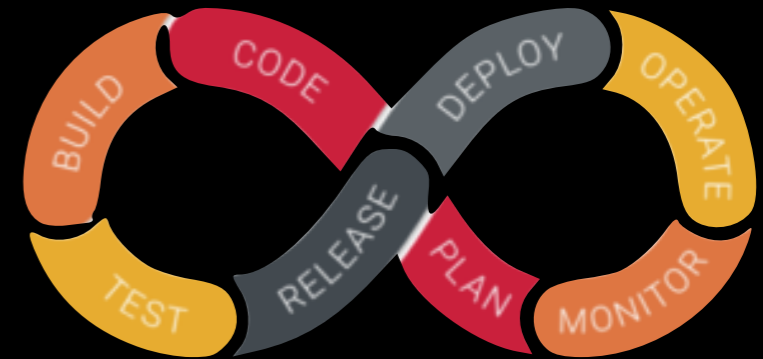
- Continue to push updates to computers

- JCTL

- Self Service

- All Applications for Staff

- New Applications for Students



References

- MacAD.UK
 - Joel Rennich and Neil Martin
 - https://www.youtube.com/watch?v=FbA0Cx_LeSA
- NoMAD Github
 - <https://gitlab.com/orchardandgrove-oss/NoMADLogin-AD/-/wikis/home>

Questions

- Topher Nadauld
- Tophernad - MacAdmin Slack
- Join us in the #UtahJamf channel

