

UP NEXT

Tailor Machine Setup for Both IT and Employees

Session Start Time - End Time (*JNUC team will add this*)





JNUC
2019



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Tailor Machine Setup for Both IT and Employees

Presentation agenda:

- Overcoming common configuration challenges
- Developing scaleable installation stacks
- Customizing workflow for a pleasant user experience

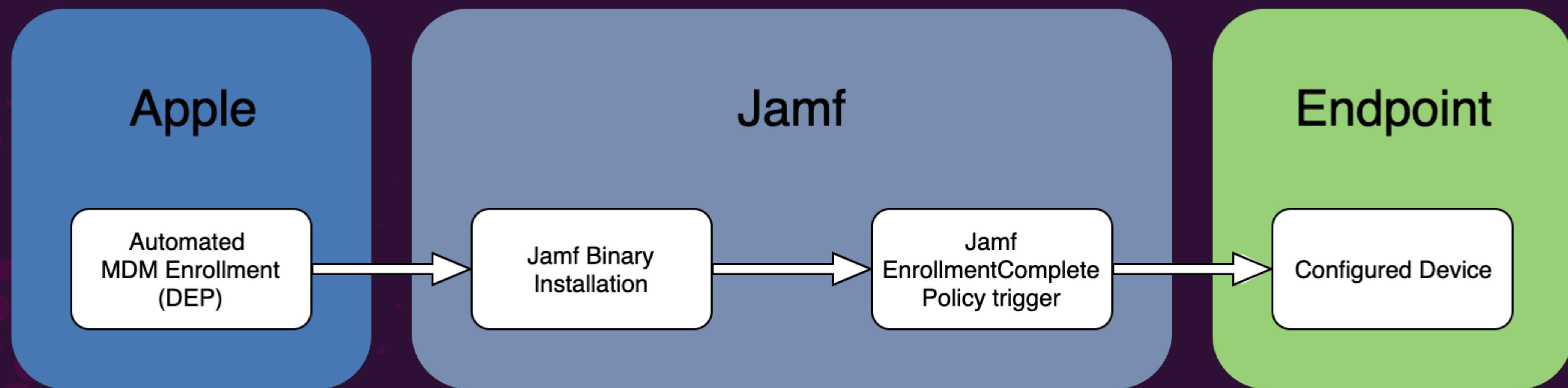


About Denison University

- Liberal Arts College - Granville, Ohio
- ~2,400 Students
- ~1900 Total Devices
- 50/50 macOS and Windows
- 77 macOS Software Titles
- 74 Windows Software Titles



Standard Jamf Configuration



Real World Issues

- Power Loss
- Network Loss
 - 802.1x Cutover
- Machine Sleeping
- User Error



Jamf Enrollment Kickstart Workflow

Github - Yohan460/JAMF-Enrollment-Kickstart

Slack - #Jamf-Initial-Config

Workflow Components:

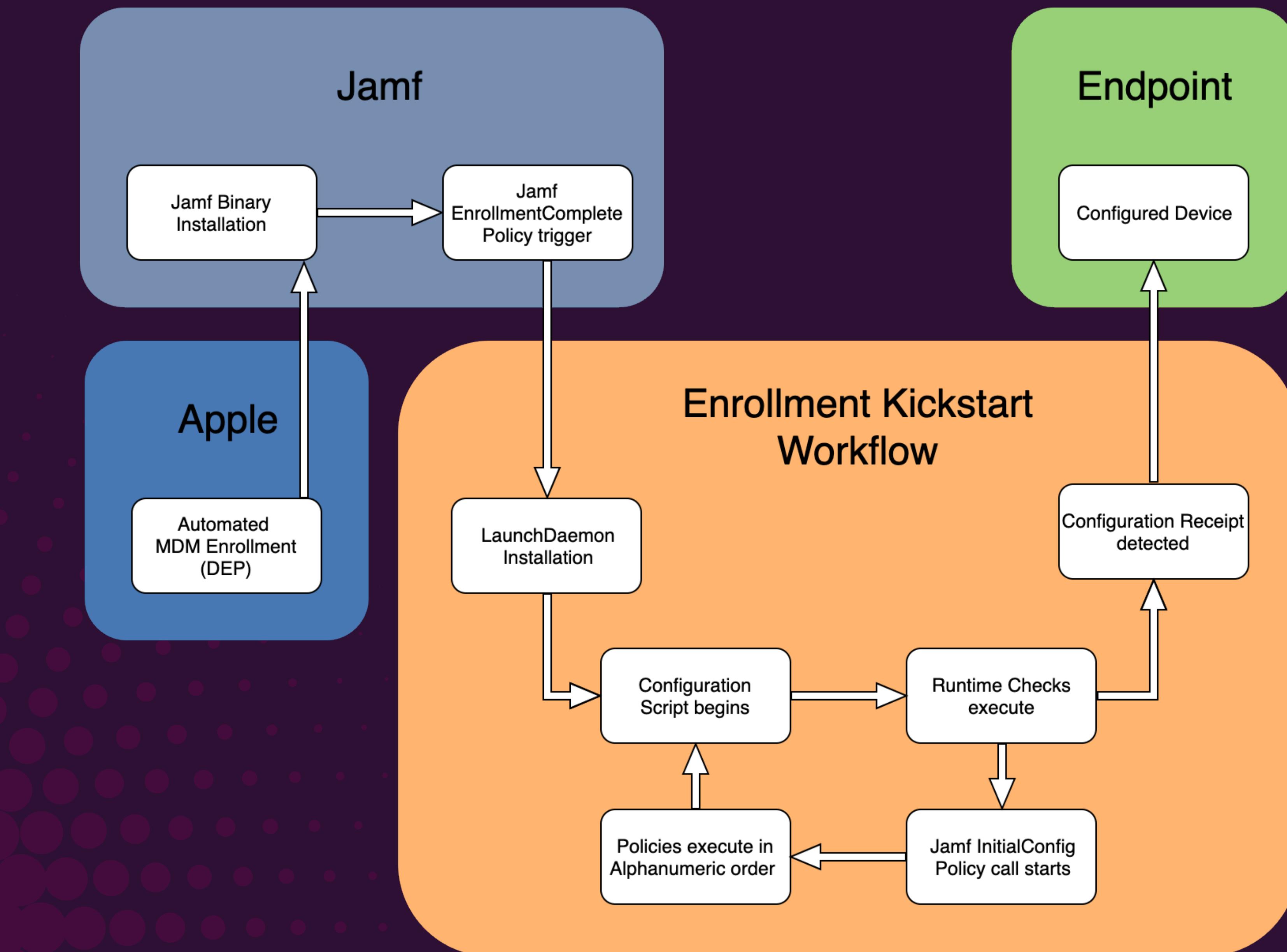
- LaunchDaemon
- Scripting
- Custom Jamf Triggers



Kickstart Script Steps

1. Initializes logging
2. Logged in user check
3. Internet access check
4. Configuration receipt check
5. Caffeinates the machine
6. Calls InitialConfig Jamf policy trigger
7. Repeat until LaunchDaemon unload





Kickstart Script Options

Configurations:

- Pre-existing Jamf servers
- New Jamf servers

Options:

- Login Window Runtime - Setup Assistant/login
- User Runtime - Wait for Desktop - Default



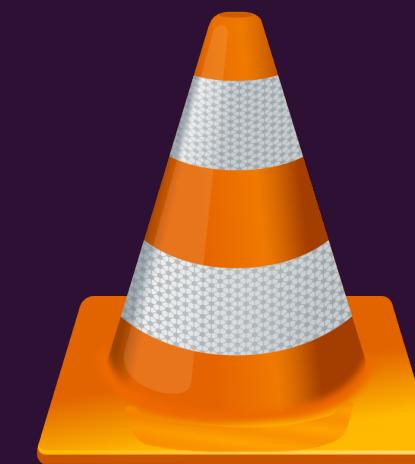
Types of Machine Deployments

- One to One - Personal Machines
- One to Few - Student Workstations
- One to Many - Public Lab Devices

Additional Considerations:

- Colleges
- Departments
- Courses





Lots of Software!!



Layers in Video Production

Video Production



Creativity



Productivity

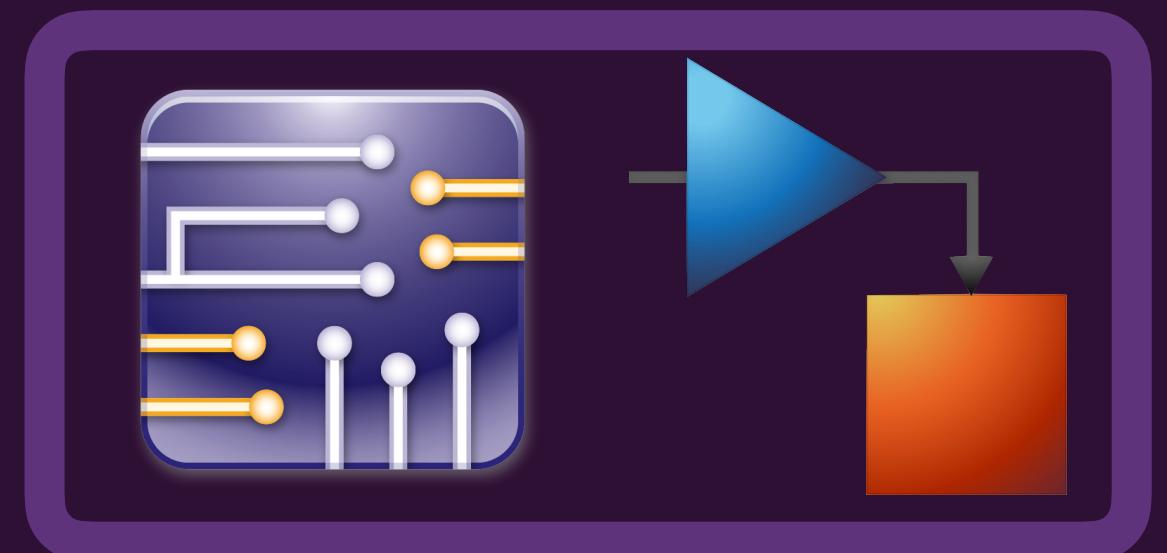


Layers in Electrical Engineering

Productivity



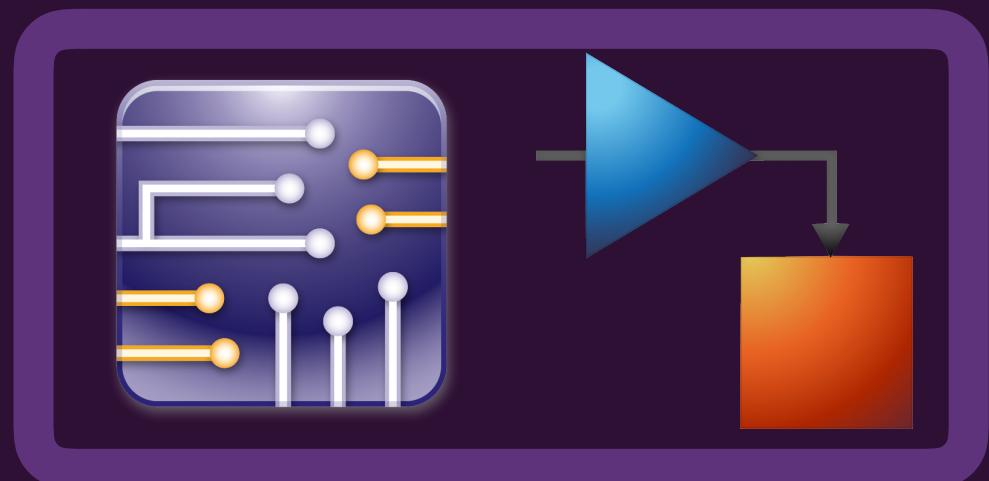
Electrical



Engineering



Layer Anything



How to Implement Layers

Alphanumeric Policy Execution

- 01 - Install - NoMAD Login AD - Notify

Numeric delineation of layers

- 00 - 29 : General Configuration
- 30 - 59 : Shared Device Software
- 60 - 79 : Discipline
- 80 - 89 : Location
- 90 - 99 : Cleanup



Customizing the Configuration

- Informs IT department of configuration status
- Allowing for guided input of critical information
- Providing guidance on application usage

Applications:

- DEPNotify
- Mac@IBM Enrollment App
- SplashBuddy



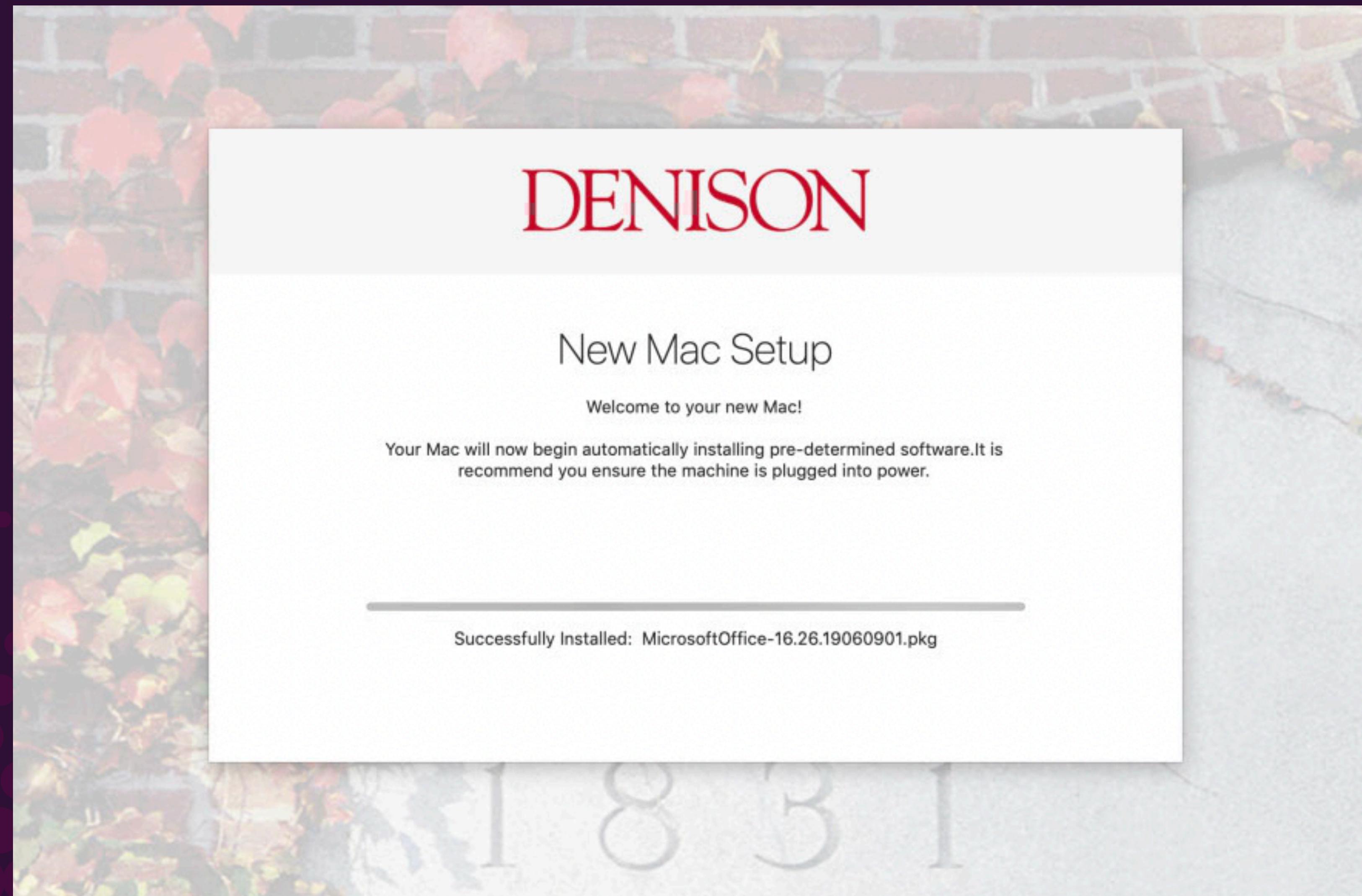
DEPNotify

- Runs at the Login Window and/or Desktop
 - Integrated into NoMAD Login and Jamf Connect
 - Follows logs of Jamf, Munki, or FileWave

Features:

- User Input
- End User License Agreement - EULA
- User Configuration Feedback





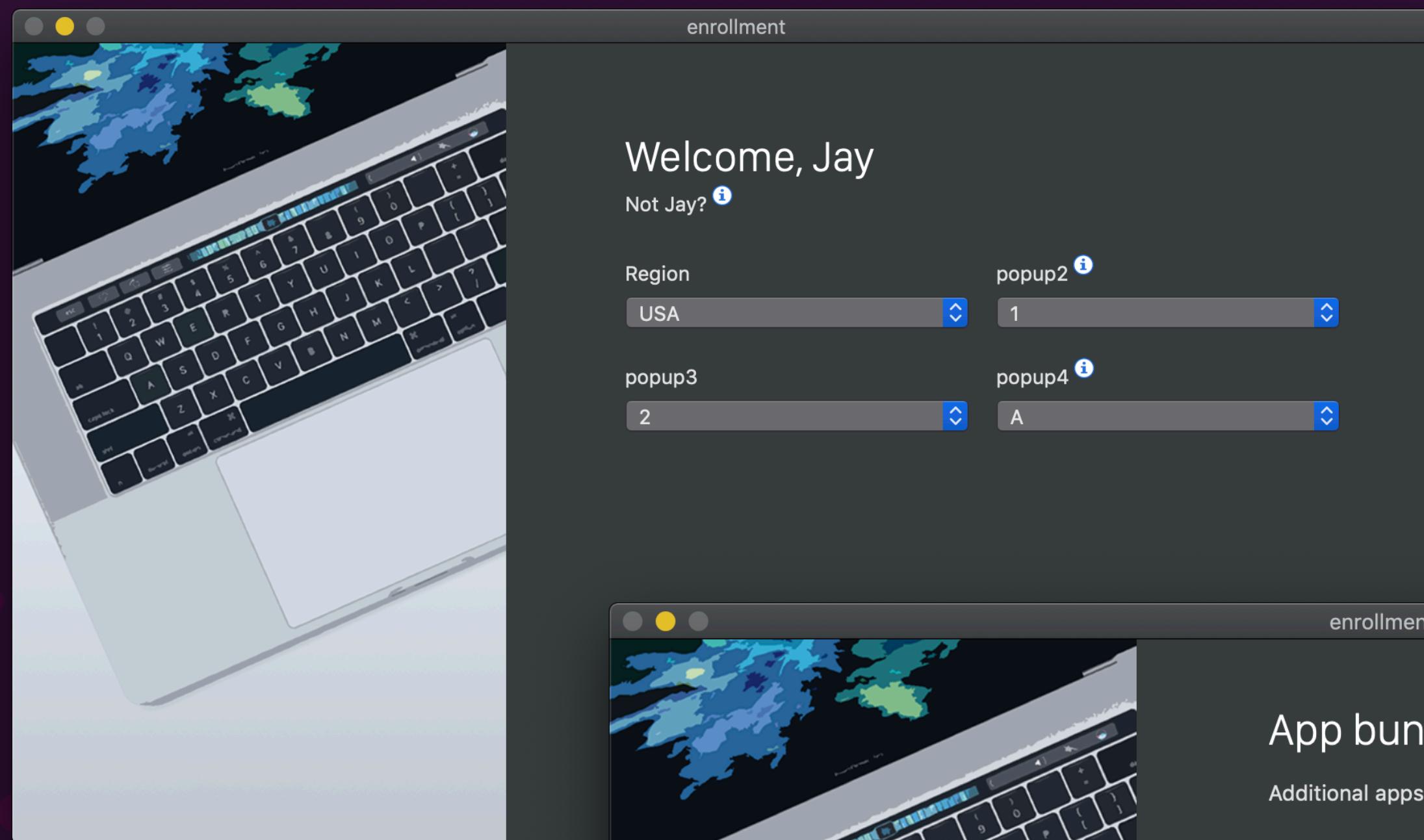
Mac@IBM Enrollment Application

- Runs at Desktop
- Standard macOS Application
- Extremely Configurable

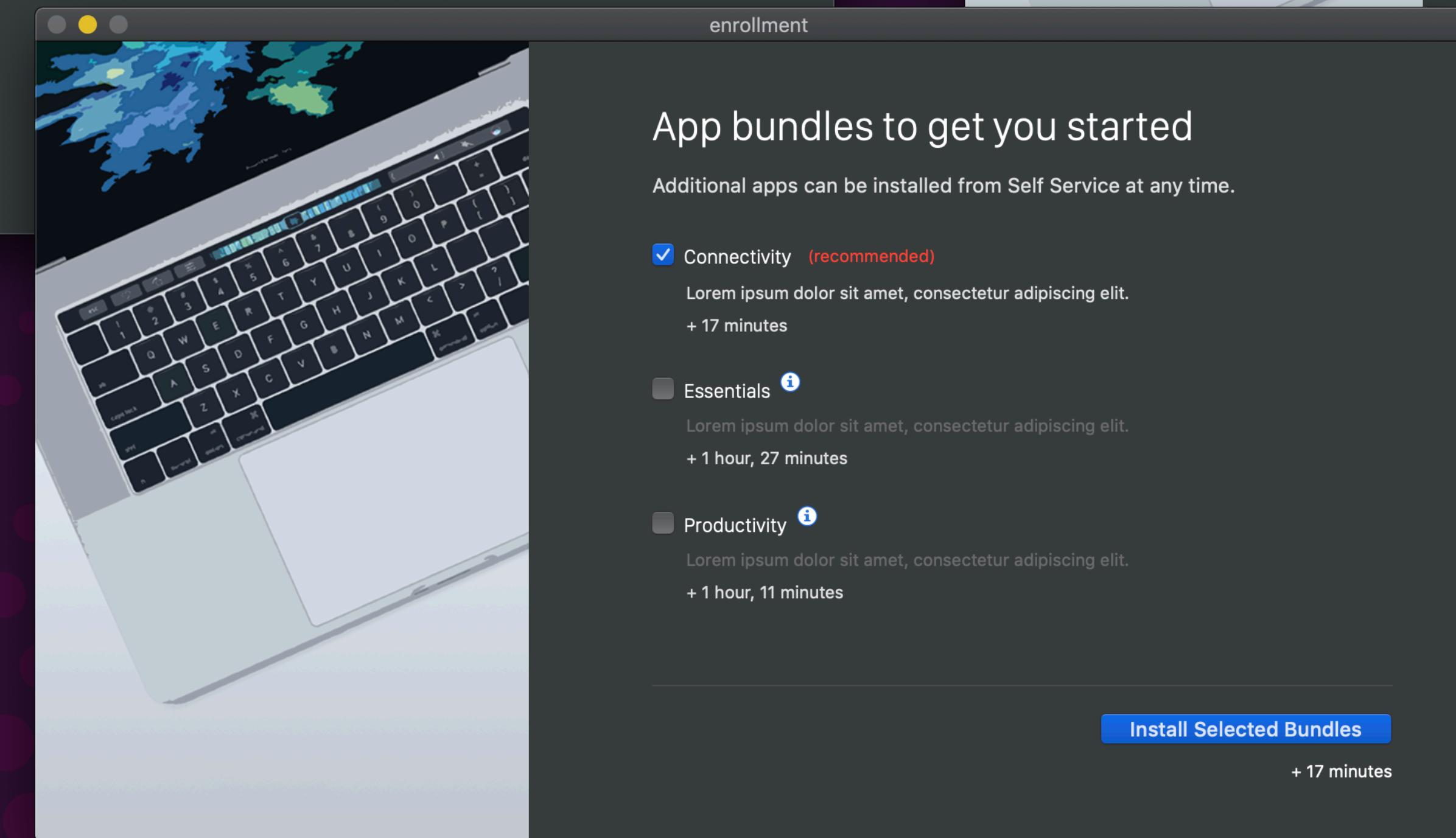
Features:

- User Input
- Application Bundle Selections
- User Post-Configuration Options





A screenshot of the same "enrollment" window. The main content area now displays a "Get started with your Mac" section. It includes four items: "Install apps with Self Service" (with a note about productivity, collaboration, and creativity), "Migrate your data from another computer" (with a note about transferring information), "Hyperlink title text" (with a note about description text), and another "Hyperlink title text" item (also with a note about description text). At the bottom left is a checkbox for "Remind me the next time I restart my Mac.", and at the bottom right is a "Close" button.



SplashBuddy

- Runs at Desktop
- Configurable Application Bundle
- Follows Jamf log for Application Installations

Features:

- User Input
- Customizable User Interactivity
- User Configuration Feedback



Secrid Onboarding



Welcome to Secrid! Sit back and relax while we install some commonly used apps for you.

Once completed, your Mac will automatically log out. Enjoy your new Mac!



We are preparing your Mac...

Quit

- 3CXPhone
3CX Client
- Dockutil
Configuring your dock
- MetaPro
Installing Fonts
- SizeUP
Organize your windows
- Munki
Keeps you up-to-date
- Sophos
A virus-free Mac
- System Settings
Creating your workplace
- UI Settings
Making things look nice
- FileVault
Encrypting your data
- Finishing up
Cleaning installation files



User Input Capabilities

DEPNotify:

- Two Text Inputs, Four Dropdown Inputs

Mac@IBM Enrollment App:

- Unlimited, with Xcode Development

SplashBuddy:

- Unlimited, with HTML Development



Pretty Factor

DEPNotify:

- Early Configuration Customization

Mac@IBM Enrollment App:

- Business Specific Tailoring Capabilities

SplashBuddy:

- External Asset Loading and User Feedback



Minimum Configuration Required

DEPNotify:

- Configuration Profile

Mac@IBM Enrollment App:

- Xcode Modification, Compilation, and Packaging

SplashBuddy:

- Configuration Profile, Automated Build Process



Log Following Options

DEPNotify:

- Jamf, Munki, and FileWave

Mac@IBM Enrollment App:

- Any Scriptable MDM

SplashBuddy:

- Jamf



SplashBuddy vs DEPNotify

Branching Application Configurations:

- DEPNotify

Large Application Stack:

- DEPNotify

Small Application Stack:

- SplashBuddy



Other Important Tools

JamfHelper

- Provide One-way, Admin → Client messages
- Full Screen and Windowed Options

AppleScript and osascript

- Simple User Input Prompts
- Application Setup and Launching



Jamf Enrollment Kickstart

<https://github.com/Yohan460/JAMF-Enrollment-Kickstart>

DEPNotify

<https://gitlab.com/Mactroll/DEPNotify>

Mac@IBM Enrollment App

<https://github.com/IBM/mac-ibm-enrollment-app>

SplashBuddy

<https://github.com/Shufflepuck/SplashBuddy>



Making configuration a piece of cake!



Thank you for listening!

Give us feedback by
completing the 2-question
session survey in the **JNUC**
2019 app.

UP NEXT

Session title (JNUC team will add this)

Session time (JNUC team will add this)

