

MANAGING MACS FOR NOOBS

2024
MACADMINS
CONFERENCE



DAMIEN BARRETT

Apple Platform Engineer
Fortune 500 Company



ROBERT HAMMEN

IT Systems Engineer
Reusable Rocket & Spacecraft Company



ADAM ANKLEWICZ


Manager, IT Endpoint Engineering
Thumbtack

Order

- Damien
- Robert
- Adam

Introduce ourselves

- Name
- Where we live
- What we do
- Where we work (without naming them)
- Our past experiences



09:00 - 10:15	Intro Level 100 Level 200
10:45 - 12:00	Level 200... maybe? Level 300
13:30 - 14:45	The Tools We Use MDM Vendors, Oh No, I Broke It! Resources
15:15 - 16:30	Play Time

Not set in stone



QR Code where does it link to
all links will be on there.
keynote deck is on there
example scripts are on there



Q&A

Ask to hold questions until Q&A sections

Ask any topics they have at the beginning that we can make sure not to skip.

Expectations of knowledge coming into this... none.

peteneems







LEVEL 100



- ▶ 1984, Apple introduces Macintosh with an 8 MHz Motorola 68000 processor.
- ▶ Explain what a GUI is.
- ▶ <https://infinitemac.org/>
- ▶ Apple moves from 68k processors to PowerPC, which leads to the Power Macintosh line of products
- ▶ Apple had been looking to replace their aging Mac OS with a more modern operating system, they were in talks to purchase BeOS

Wednesday Session: See an Apple Computer from 1984 live and in-person



How the Personal Computer Peaked in 1984

[Click here to add to My Schedule.](#)

Wednesday July 10, 2024 3:15pm - 4:30pm EDT

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Feedback Survey

What can the modern Mac Admin learn by studying the ancient relics of computing's past? Join Charles as he blows the dust off a blocky beige behemoth that belongs in a museum. You might just gain a deeper understanding and appreciation for the latest generation of slick Apple silicon, how it all really works, and what it's hiding under the surface.

Speakers



Charles Mangin

Bash scripts in a trenchcoat

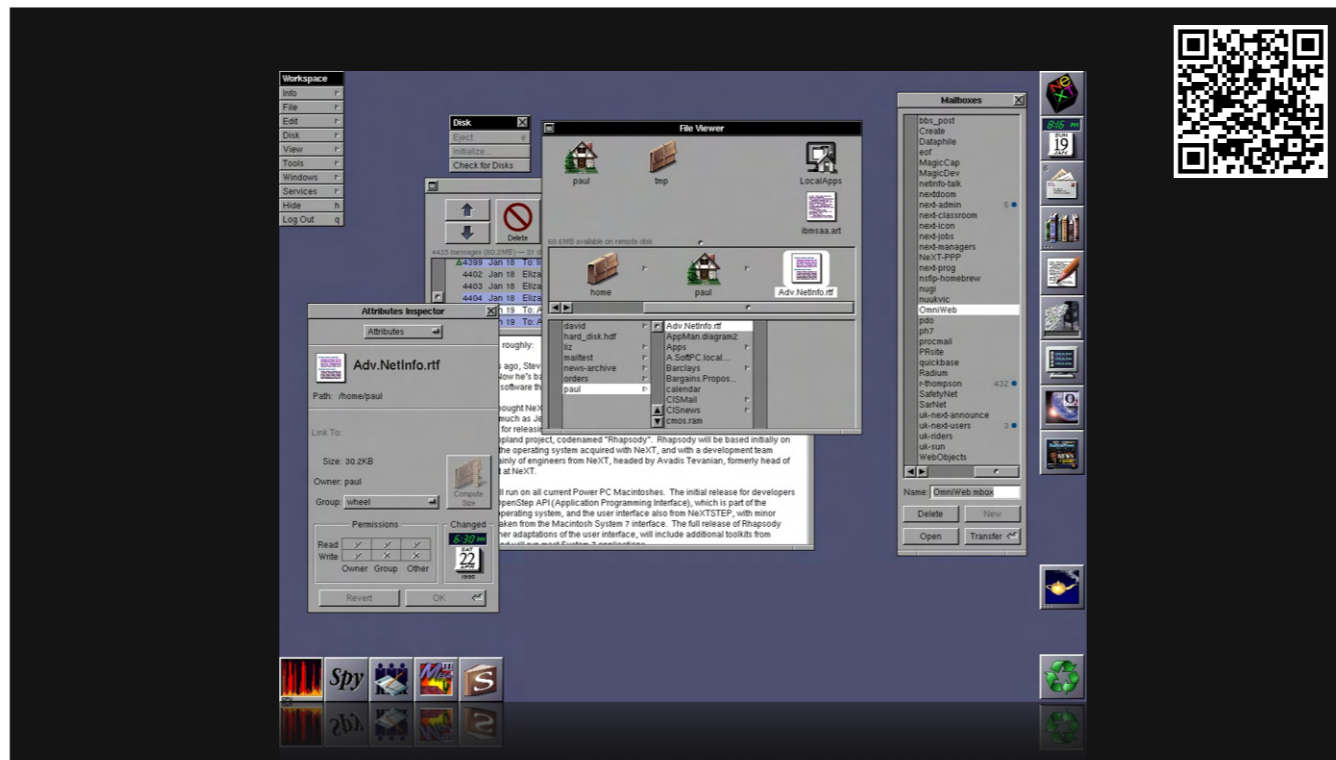
Charles Mangin enjoys setting up camp at the intersection where divergent disciplines meet: Analog and digital, creative and analytical, the old and the new. He's been working with Macs for nearly three decades, having transitioned into IT by way of graphic design and web development... [Read More →](#)

Career Fundamental

<https://psumac2024.sched.com/event/1dFps/how-the-personal-computer-peaked-in-1984>



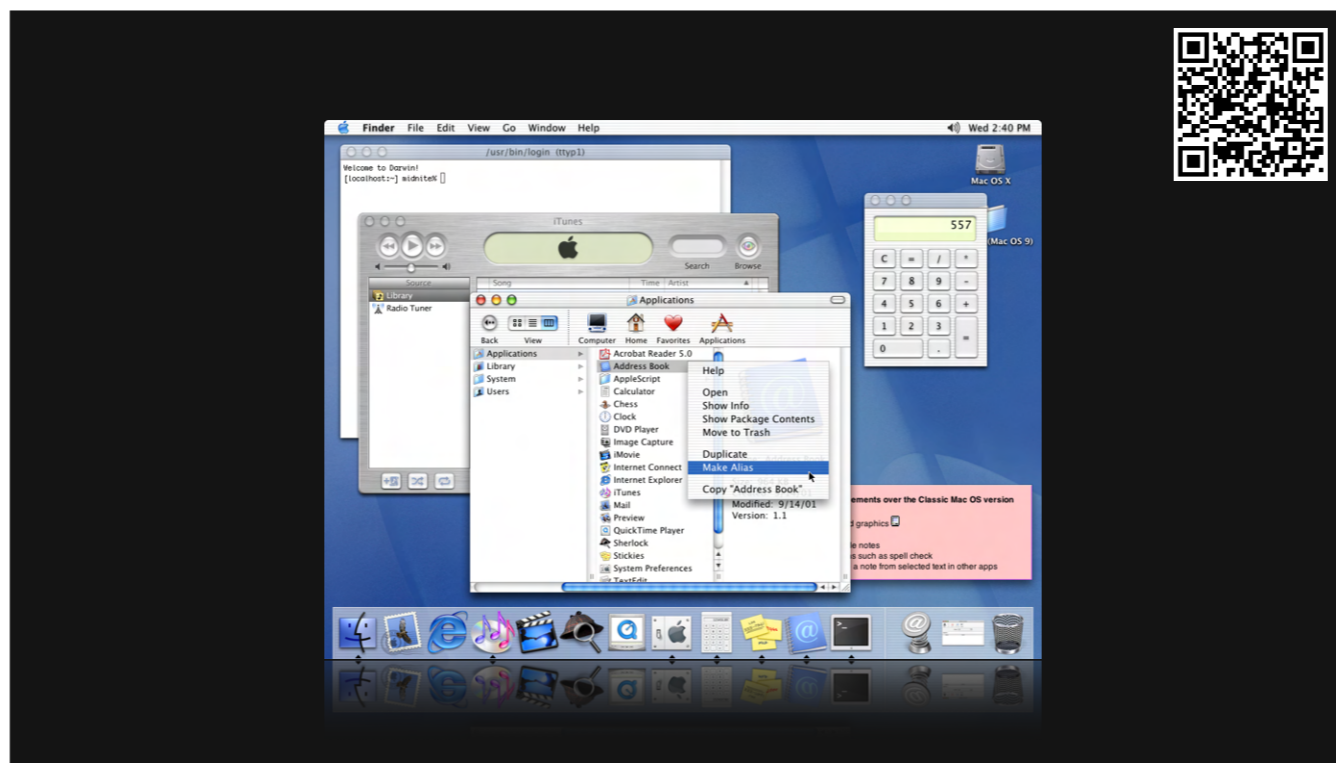
- ▶ In 1997, Apple instead purchased NeXT, a company founded by Apple founder Steve Jobs and made him Interim-CEO.
- ▶ They began the work of making NeXTSTEP into what would become Mac OS X
- ▶



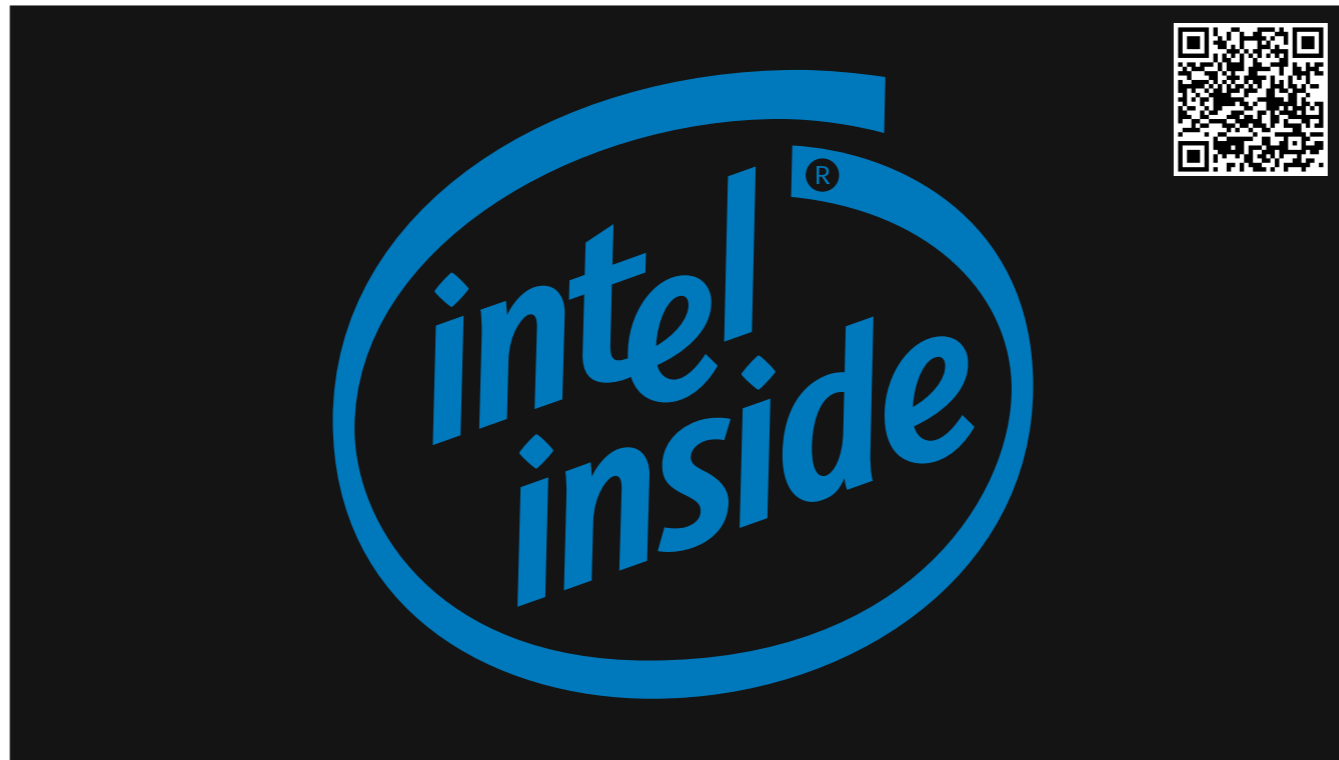
- ▶ Many similarities in UI, most importantly it was Unix based.
- ▶ File structure
- ▶ Inspector
- ▶ Dock on the right side
- ▶ <https://infinitemac.org/>



- ▶ In 2000, Apple released the Public Beta of Mac OS X
- ▶ What is the Finder?
 - ▶ window management
- ▶ the different Library folders
- ▶ preferences
- ▶ MCX (Managed Clients (for) Mac OS X)



- ▶ In 2001, Apple released Mac OS X 10.0
- ▶ Screenshot is from 10.1
- ▶ It included a program called Classic which allowed you to run an entire copy of Mac OS 9 on your Mac OS X computer to allow you to run your old apps.
- ▶ Mac OS X 10.4 was the final version to support Classic
- ▶ Directory structure is more similar to Unix
 - ▶ /Library
 - ▶ /System
 - ▶ ~/Library
- ▶ Talk about preferences and a few other things



- ▶ In 2005, Apple released announced plans to migrate from PowerPC processors to Intel.
- ▶ Rosetta was released to run PowerPC programs on Intel Macs.
- ▶ Universal Binaries was offered as a solution to make one binary to run on both types of Macs
- ▶ Mac OS X 10.6 was the first version of Mac OS X to not support PowerPC Macs
- ▶ Support for Rosetta was stopped in OS X 10.7 (first version to drop Mac from OS name)
- ▶ Apple would later change the name of the OS again to macOS with the release of macOS 10.12

Apple Silicon



- ▶ In 2020, Apple announced another migration from Intel processors to Apple Silicon.
- ▶ Apple had been making their own processors for some time for the iPhone and iPad, now they come to Mac.
- ▶ macOS 11 was the first release to support Apple Silicon
- ▶ Rosetta 2 was released to seamlessly run Intel apps on Apple Silicon
- ▶ While Apple is still supporting Intel Macs, I personally don't expect that to last much longer.



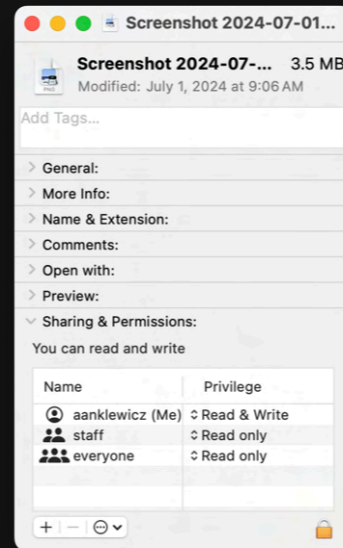
- 2023 with macOS 14
- WWDC macOS 15

System Settings



▸ System Settings

Access Control Lists (ACLs) & Portable Operating System Interface (POSIX)



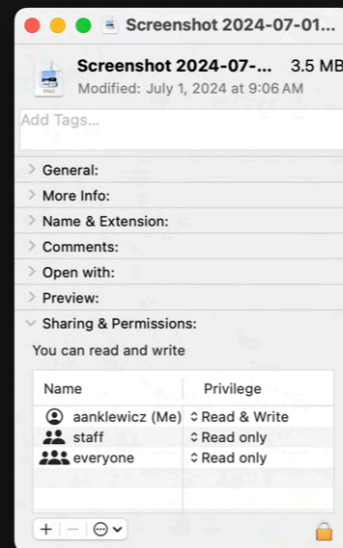
- ▶ POSIX is an IEEE standard for Operating Systems
 - ▶ Standards in how the operating system works, how it handles crashes, how the command line works.
 - ▶ Allows compliance between macOS and other POSIX compliant operating systems.
- ▶ ACLs
 - ▶ Who owns this file
 - ▶ Can they read, write or execute?

Access Control Lists (ACLs) &
Portable Operating System Interface (POSIX)

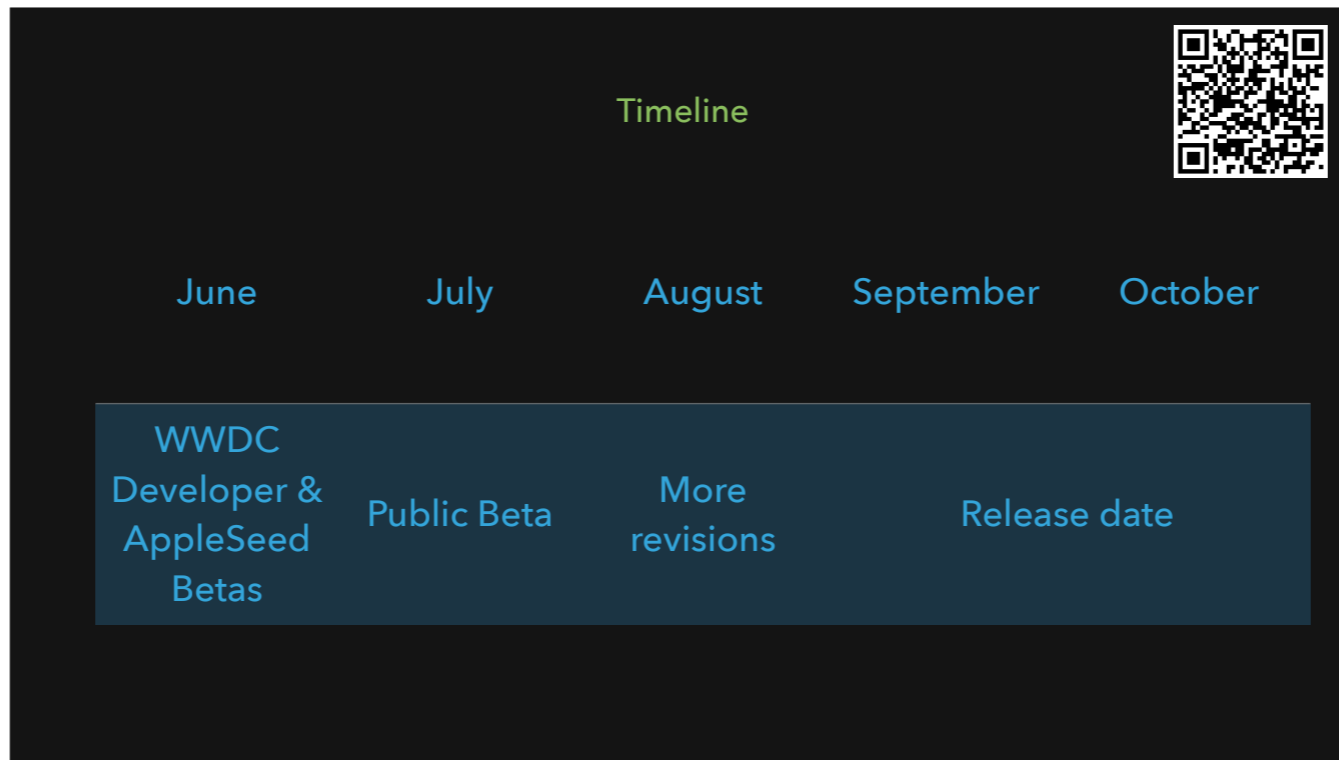


▶ Demo directory utility

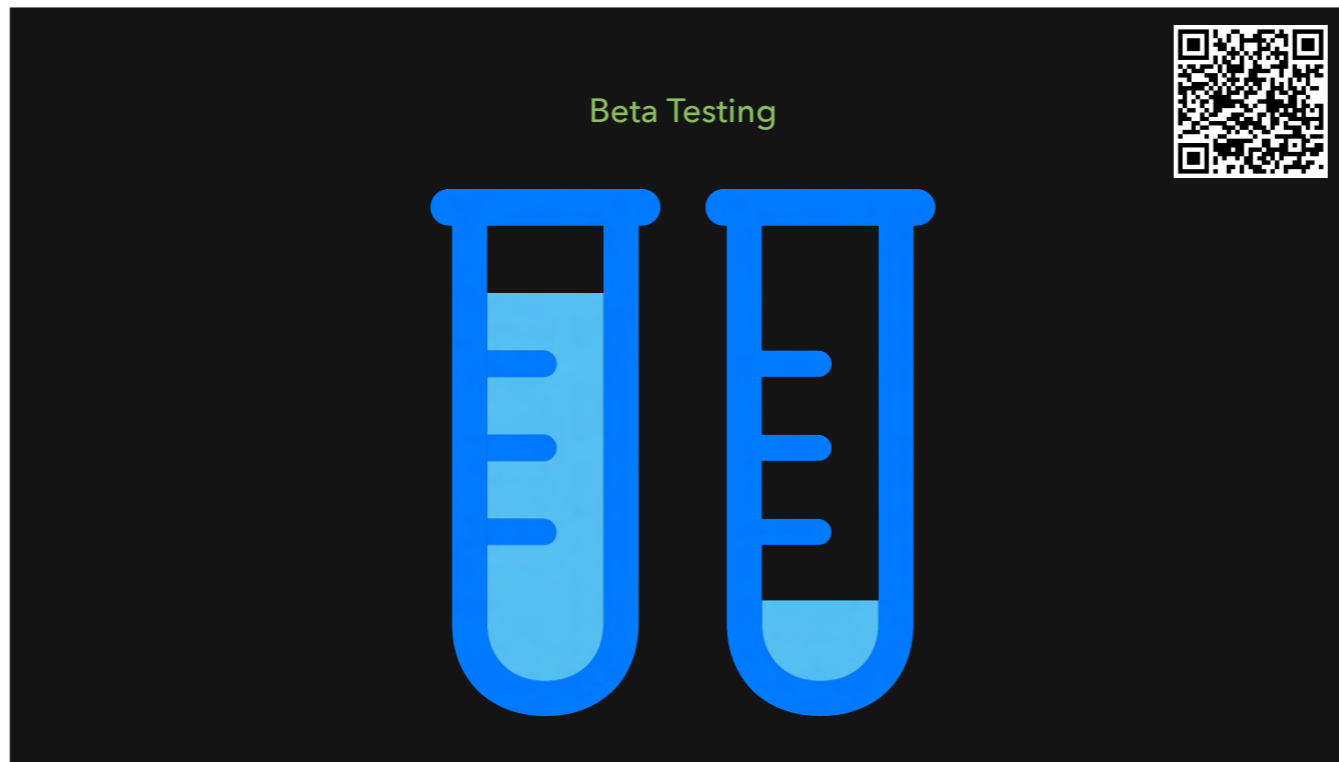
Access Control Lists (ACLs) & Portable Operating System Interface (POSIX)



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- ▶ Annual cadence
- ▶ WWDC in June w/ Developer Preview
- ▶ Public Beta in July
- ▶ xx.0 release in September/October



- ▶ beta testing
- ▶ Apple suggests uses beta test macOS to be ready for release date
- ▶ AppleSeed for IT
 - ▶ #appleseed
 - ▶ #appleseed-private (2000 users)
- ▶ Adam & Rebecca's presentation from 2023 <https://www.youtube.com/watch?v=CnBjyzkW7UM&t=1493s&pp=ygUXbWFjIGFkbWlucyBiZXRhIGJ1ZGRpZXM=>
- ▶ Feedback assistant

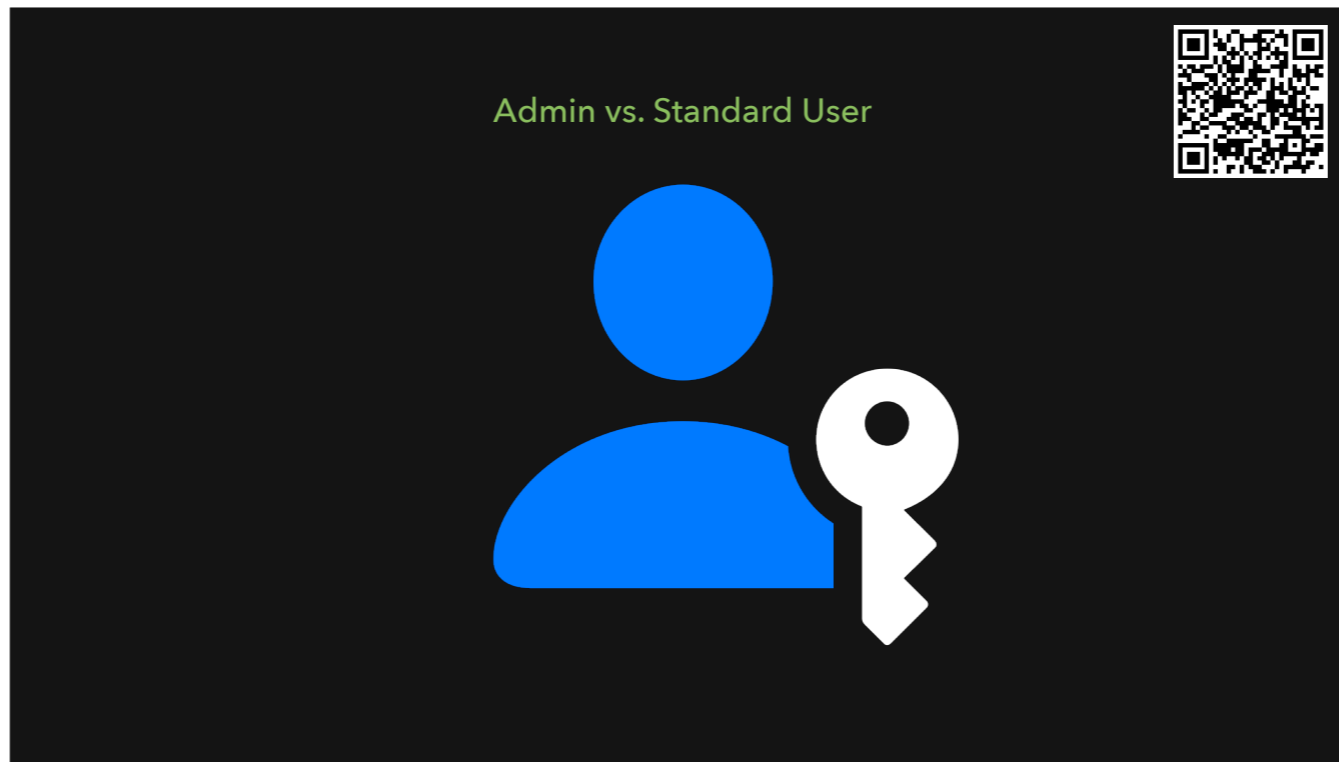


▶ <https://support.apple.com/en-us/102655>

- ▶ Troubleshooting will often need Recovery
- ▶ Gives you access to restore from time machine
- ▶ reinstall macOS
- ▶ Access to Disk Utility
- ▶ Access to slimmed down Terminal
- ▶ Apple Silicon
 - ▶ Press and hold the power button on your Mac.
 - ▶ As you continue to hold the power button, your Mac turns on and loads startup options. When you see Options, release the power button.
 - ▶ Startup options screen
 - ▶ Click Options, then click the Continue button that appears below it.
 - ▶ If you're asked to select a user you know the password for, select the user. Then click Next and enter that user's administrator password, which is the password they use to log in to the Mac.
- ▶ Intel
 - ▶ Press and release the power button to turn on your Mac.
 - ▶ Immediately after releasing the power button, press and hold one of these key combinations. If none of them work, review the guidelines for using startup-key combinations.
 - ▶ Command-R: When you press and hold these two keys at startup, Recovery will offer the current version of the most recently installed macOS.
 - ▶ Option-Command-R: When you press and hold these three keys at startup, Recovery might offer the latest macOS that is compatible with your Mac.
 - ▶ Shift-Option-Command-R: When you press and hold these four keys at startup, Recovery might offer the macOS that came with your Mac, or the

closest version still available.

- ▶ Keep holding the keys until you see an Apple logo or spinning globe.
- ▶ You might be asked to select a Wi-Fi network or attach a network cable. To select a Wi-Fi network, use the Wi-Fi menuWi-Fi menu in the upper-right corner of the screen.
- ▶ If you're asked to select a user you know the password for, select the user. Then click Next and enter that user's administrator password, which is the password they use to log in to the Mac. Forgot your password?



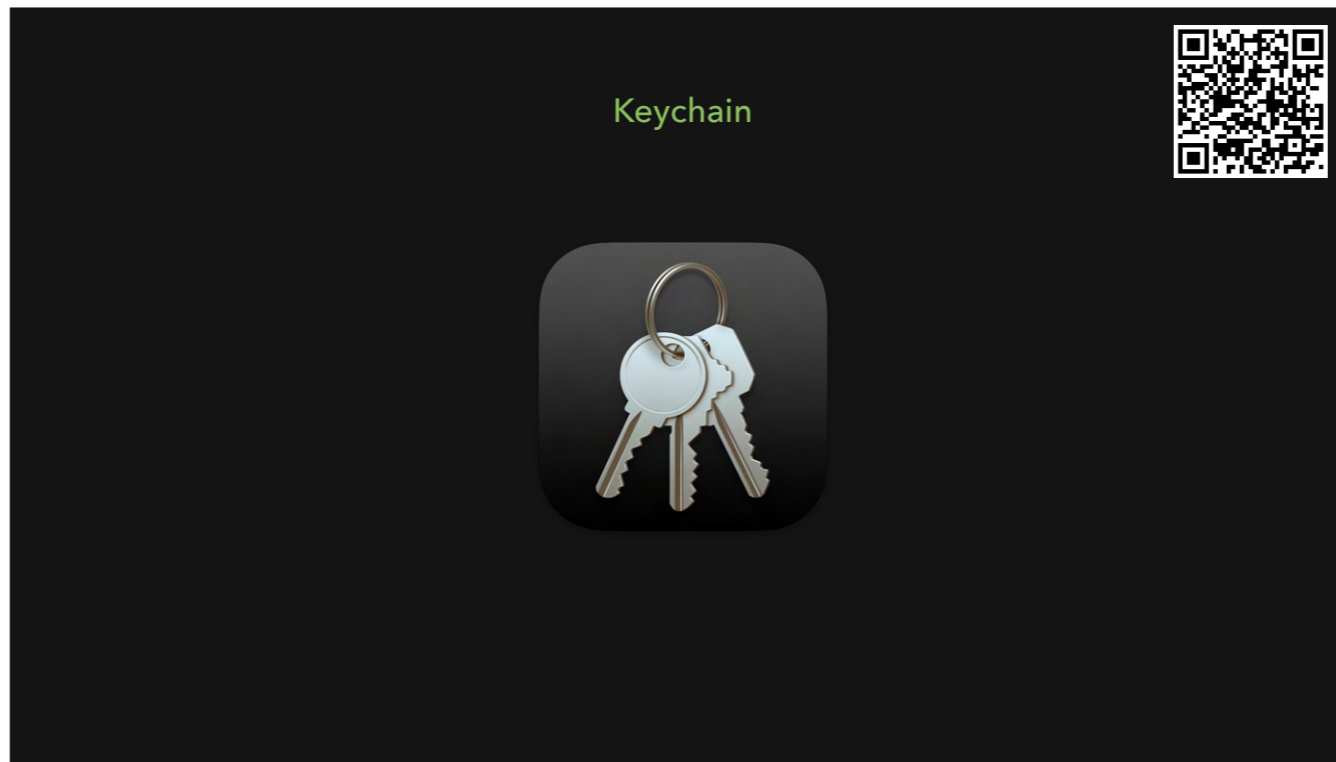
- ▶ Should your users be admins or standard users
- ▶ Microsoft and Apple are not a straight 1:1, what makes sense in a Windows environment doesn't mean it will make sense for macOS
- ▶ <https://blog.kandji.io/the-great-debate-should-you-set-up-users-as-admin-or-standard>

Admin vs. Standard User

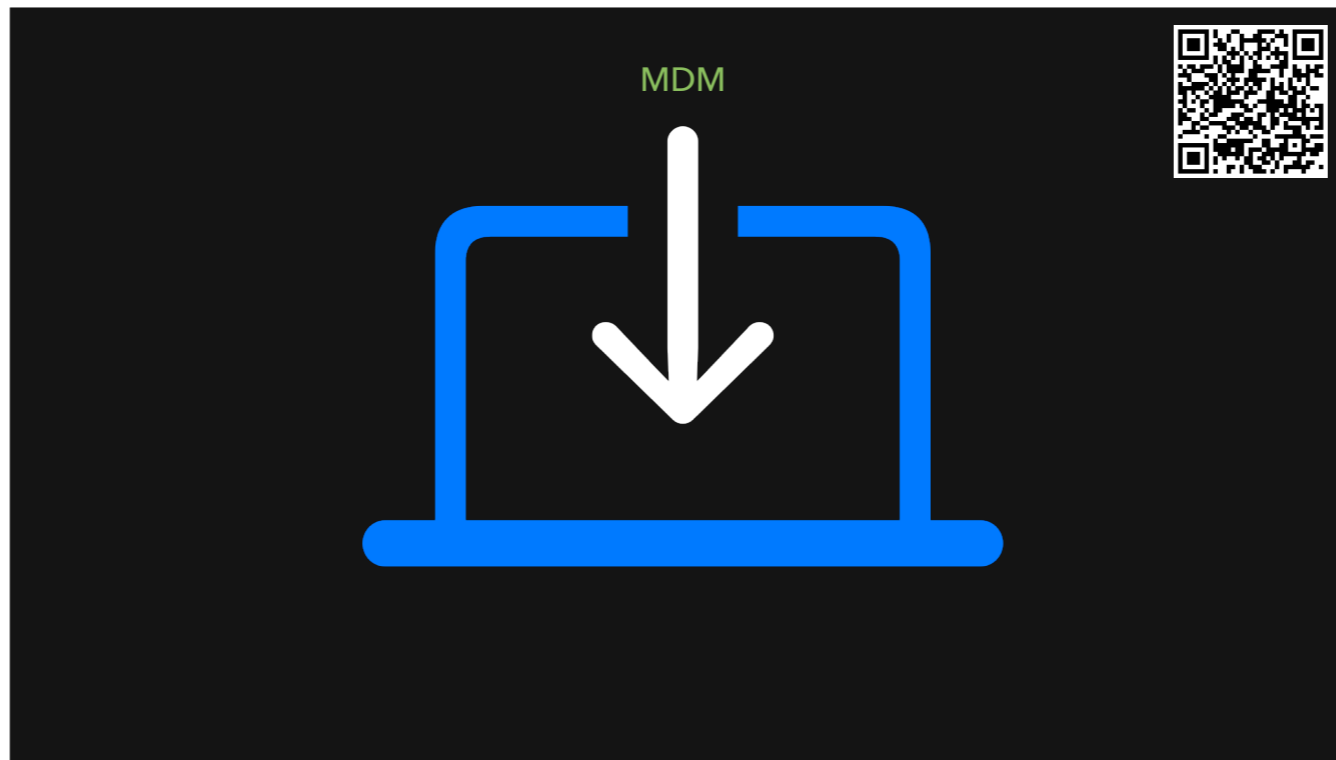


	Admin	Standard
Install apps	✓	✗
Run sudo commands	✓	✗
Install apps to user space	✓	✓
Erase all contents & settings	✓	✗
Approve apps to share screen	✓	✗
Change protected space (SIP)	✗	✗
Printer setup	✓	✗
Change date and time	✓	✗

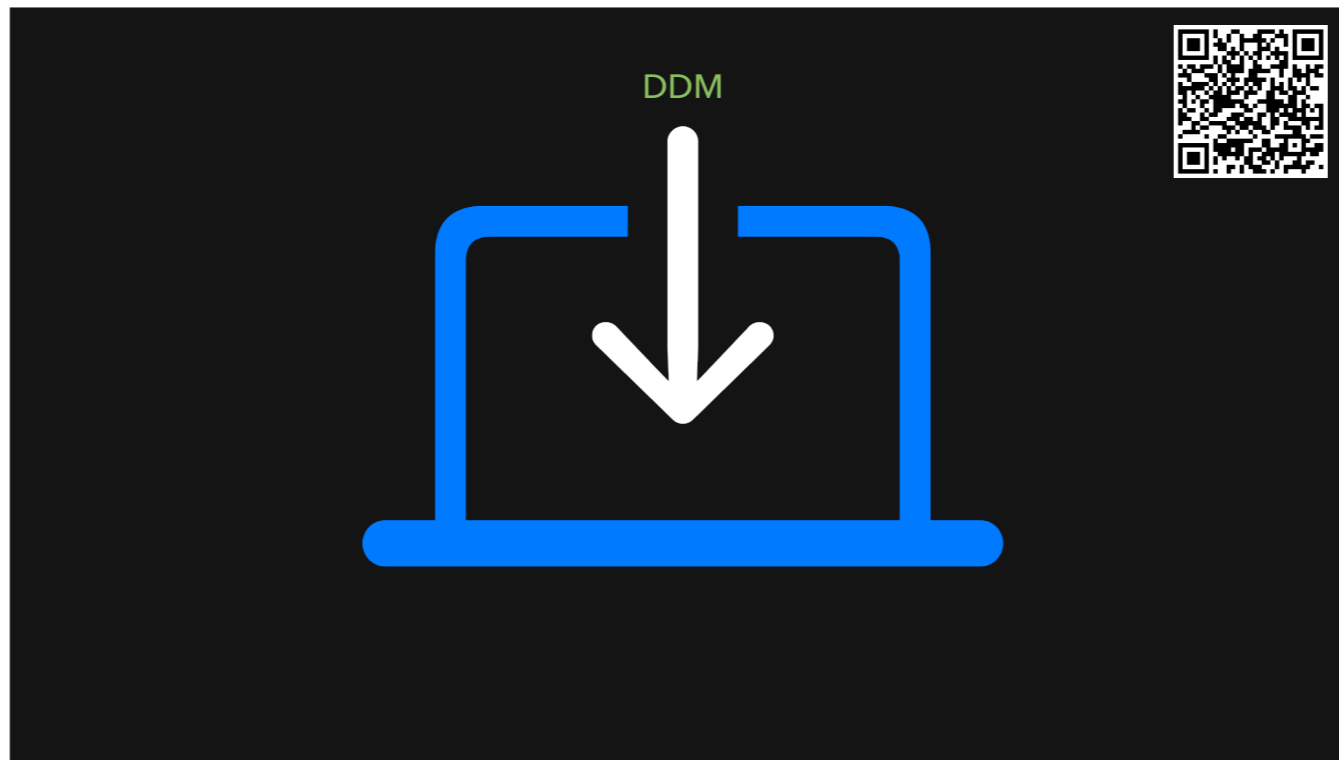
- ▶ Eat your own dog food. If you are making your users run standard, you need to run standard to experience it.
- ▶ Profiles Profiles Profiles!
- ▶ SAP Privileges <https://github.com/SAP/macOS-enterprise-privileges>



- ▶ macOS app from Apple, installed on every Mac
- ▶ Holds Passwords (wifi, etc)
- ▶ Certificates
- ▶ Profile is created on account creation to store credentials
- ▶ macOS 15 will include a new Passwords app, AppleSeed for IT members can install a beta and see how the two work together



- ▶ How do we manage Macs?
- ▶ Mobile Device Management
- ▶ Show of hands: Who's using an MDM? Who is not using an MDM?
- ▶ MDM is not mandatory, but MDM is mandatory
- ▶ Configuration profiles
 - ▶ Settings for apps or macOS
 - ▶ Security settings
 - ▶ PPC
- ▶ Apple Device Enrolment (ADE, sometimes called DEP)
 - ▶ Tells your computer who owns it and which MDM to talk to
- ▶ Most MDMs like Jamf, Mosyle, WorkspaceOne, InTune, JumpCloud, Kandji will have more management capabilities
 - ▶ App installation and patch management
 - ▶ Run scripts
 - ▶ Screen sharing
 - ▶ etc etc



- ▶ Declarative Device Management
- ▶ Still being built a little bit each OS
- ▶ The DDM command tells the computer what desired state it should be in, and the computer then enacts it. It's device centred rather than server centred.

Thursday Session: Delving The Depths of DDM



Delving the Depths of DDM

Click here to remove from My Schedule.

Thursday July 11, 2024 9:00am - 10:15am EDT

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Feedback Survey

Apple is slowly shifting its device management focus to Declarative, and we can expect MDMv1 to slowly die by attrition over the next few years. This year's session is a sequel to last year's "Behind the MDM Curtain," updating it for this new DDM age. We will discuss how declarations are created, activated, and how the client is now making its own decisions about what gets managed. With a focus on Software Update declarations, we'll dive into examples and look for logs for inspection.

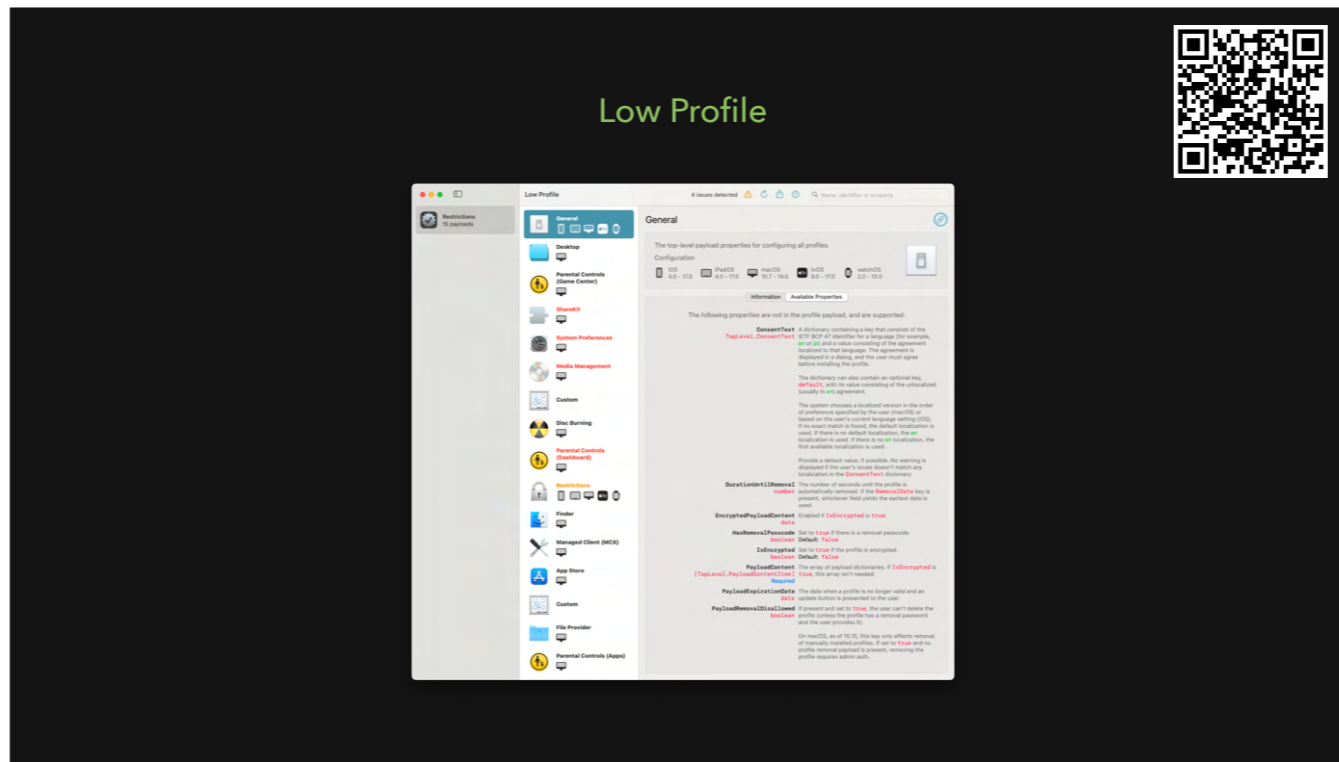
Speakers



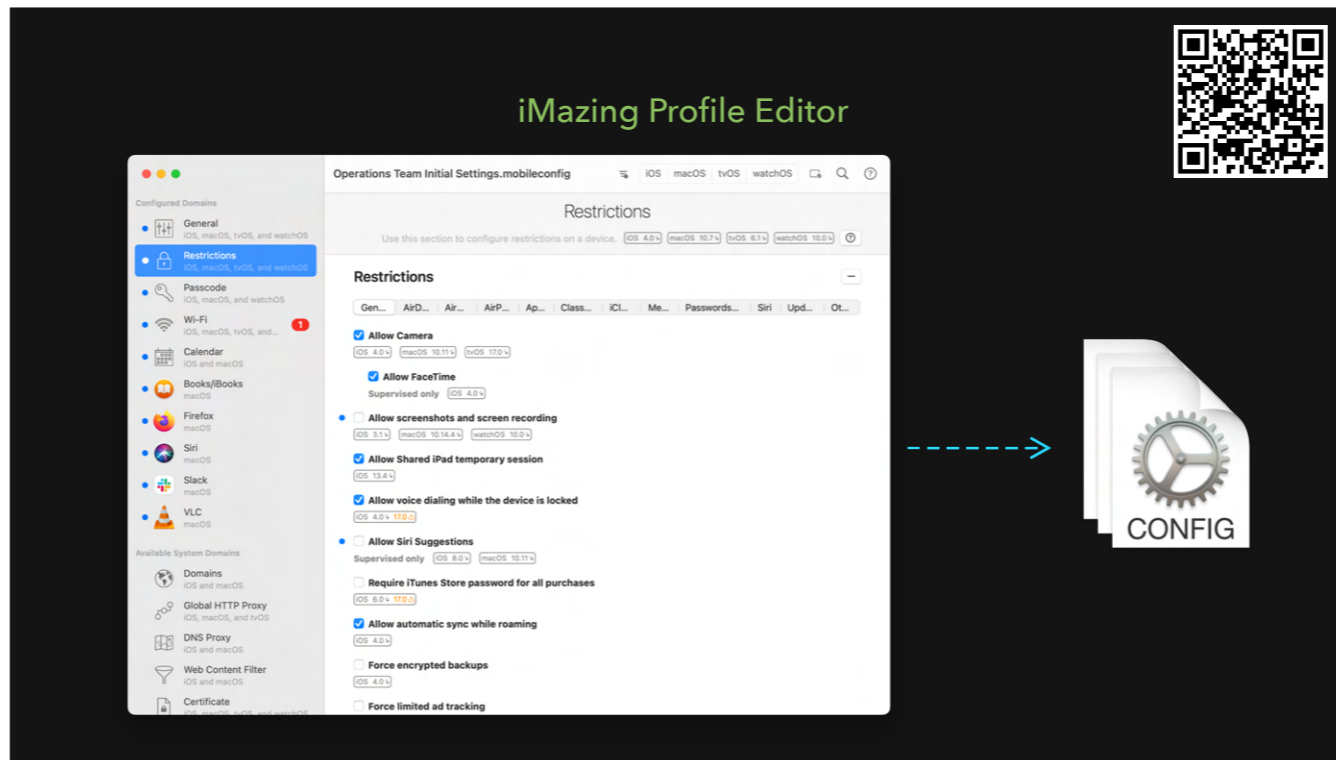
Joseph Chilcote
@chilcote, Meta

Joe manages Macs at a large tech company, and is based in Seattle.

<https://psumac2024.sched.com/event/1dFqJ/delving-the-depths-of-ddm>

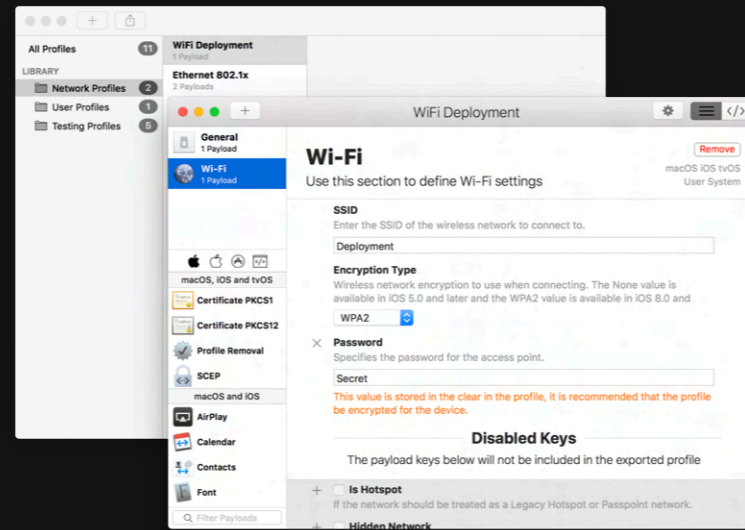


- ▶ Low Profile is a free, open source app available on GitHub to inspect a configuration profile in a pretty GUI
- ▶ <https://github.com/ninxsoft/LowProfile>
- ▶ Demo?



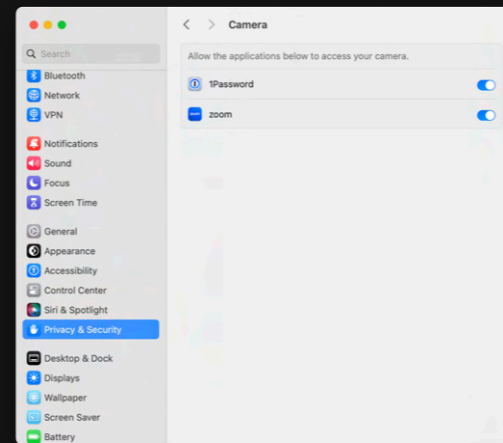
- ▶ An easy app for building config profiles
- ▶ Your MDM will most likely have this functionality built in, but iMazing makes it easy to see all the valid keys you can use.
- ▶ <https://imazing.com/profile-editor>
- ▶

Profile Creator



- ▶ Similar to iMazing
- ▶ <https://github.com/ProfileCreator/ProfileCreator>
- ▶ Demo

TCC & PPC



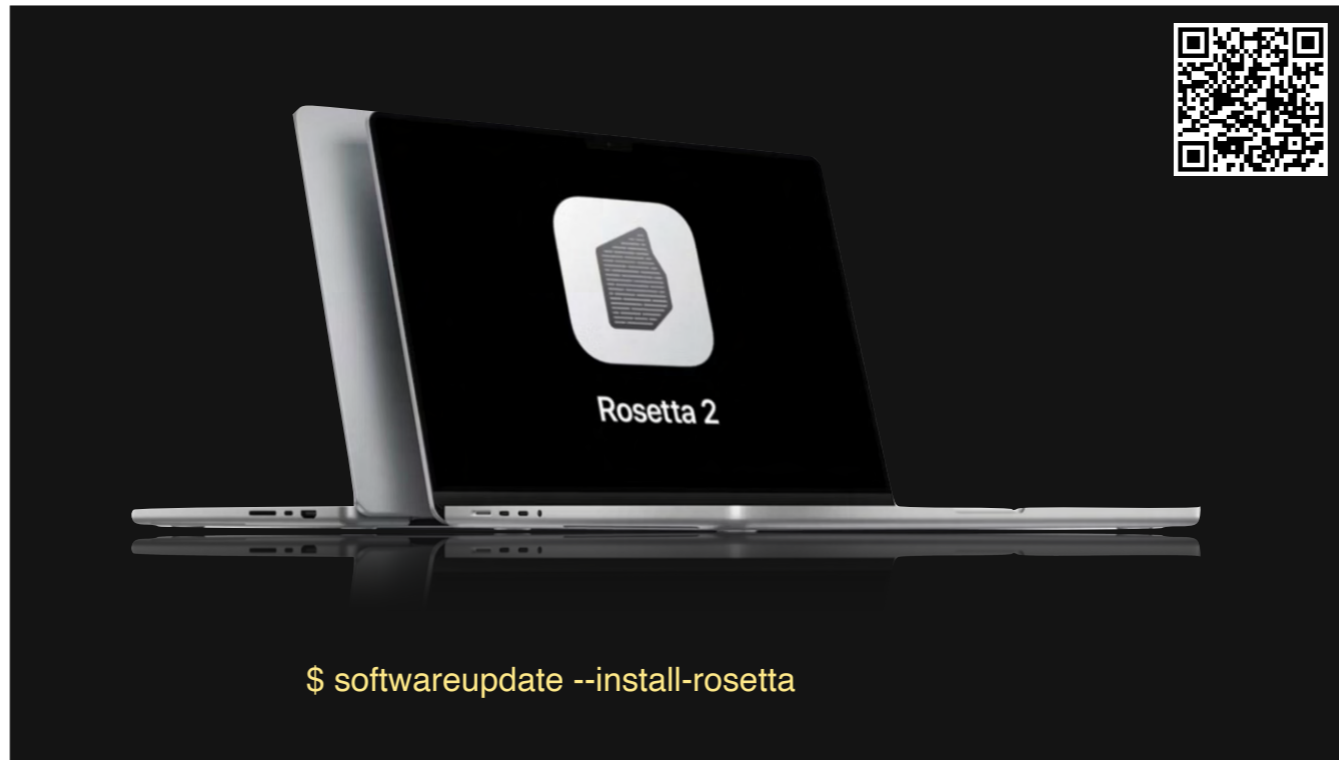
- ▶ PowerPC but with a stutter!
- ▶ Or the People's Party of Canada?
- ▶ Privacy Preferences Policy Control
 - ▶ There are the settings you send to your computer
- ▶ Transparency Consent and Control
 - ▶ The database that controls access



Q&A



LEVEL 200



- Rosetta is a translation layer that allows Intel (x86)-compiled apps to run on Apple Silicon Macs

The logo features the Apple logo (a silhouette of an apple with a bite taken out) followed by the word "Business" in a bold, sans-serif font. Both are contained within a white rounded rectangle on a black background.

Apple Business

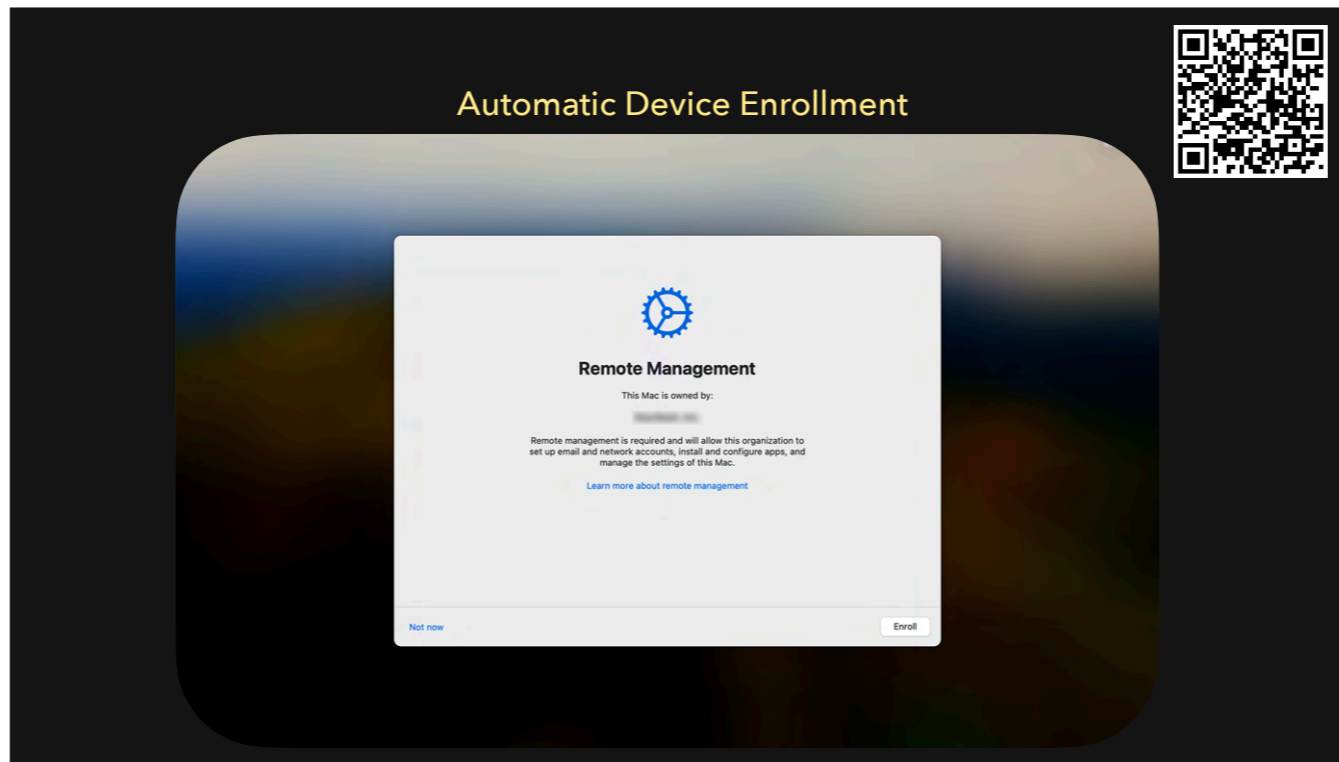


Apple Business Manager (ABM)

Apple School Manager (ASM)

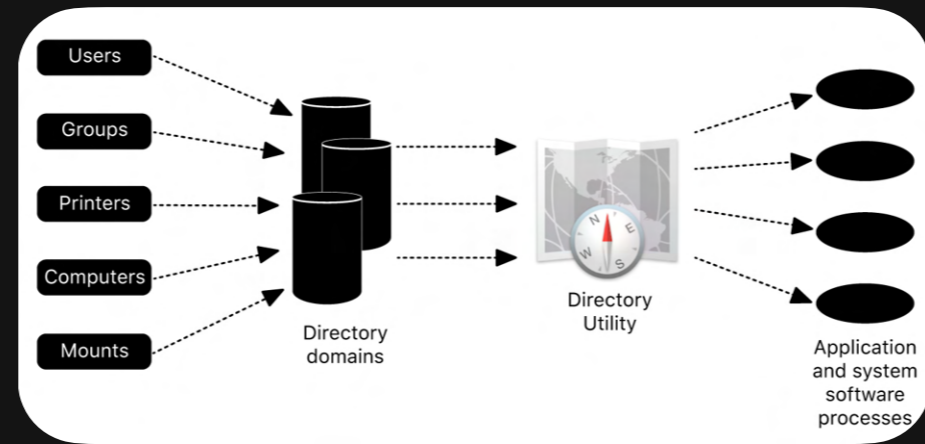
<https://business.apple.com>

<https://school.apple.com>



- Macs enrolled into ABM (ASM) can take advantage of ADE. Eases the provisioning workflow and can get you to a zero-touch environment.
- Discuss IDP Connectors like Jamf Connect or XCCreds

Should You Bind Macs to Active Directory?



- No



- Apple has telegraphed that MAIDs are the future for Apple.
- However, there remain issues like 1) currently can only Federate to Commercial Entry or Google, 2) still limitations with the accounts (no e-commerce) 3) limited controls on Groups in ABM, 4) no way to customize the email that is sent by Apple to affected users, 5) Mixture of Apple ID types (developer vs. personal), some of which can be migrated to a MAID and some can't; gets complicated.
- At WWDC last month, Apple announced some changes in MAIDs and federation.

Thursday Session: MAIDs and You



Managed Apple IDs and You

Click here to add to My Schedule.

Thursday July 11, 2024 1:30pm - 2:45pm EDT
Deans Hall 1

Feedback Survey

Whether you're a small business deploying a few apps, or a big company looking to federate your identity, manage access, and deploy public and private apps across your whole org, you need to understand what Managed Apple IDs are, how they are made, and what they do for you.

Speakers



Tom Bridge

Director of Product Management, Devices, JumpCloud

Tom Bridge is the Director of Product Management for Devices at JumpCloud, the Producer of the Mac Admins Podcast, and the Co-Chair of the Mac Admins Foundation. He lives in the District of Columbia with his family.

Security All Levels

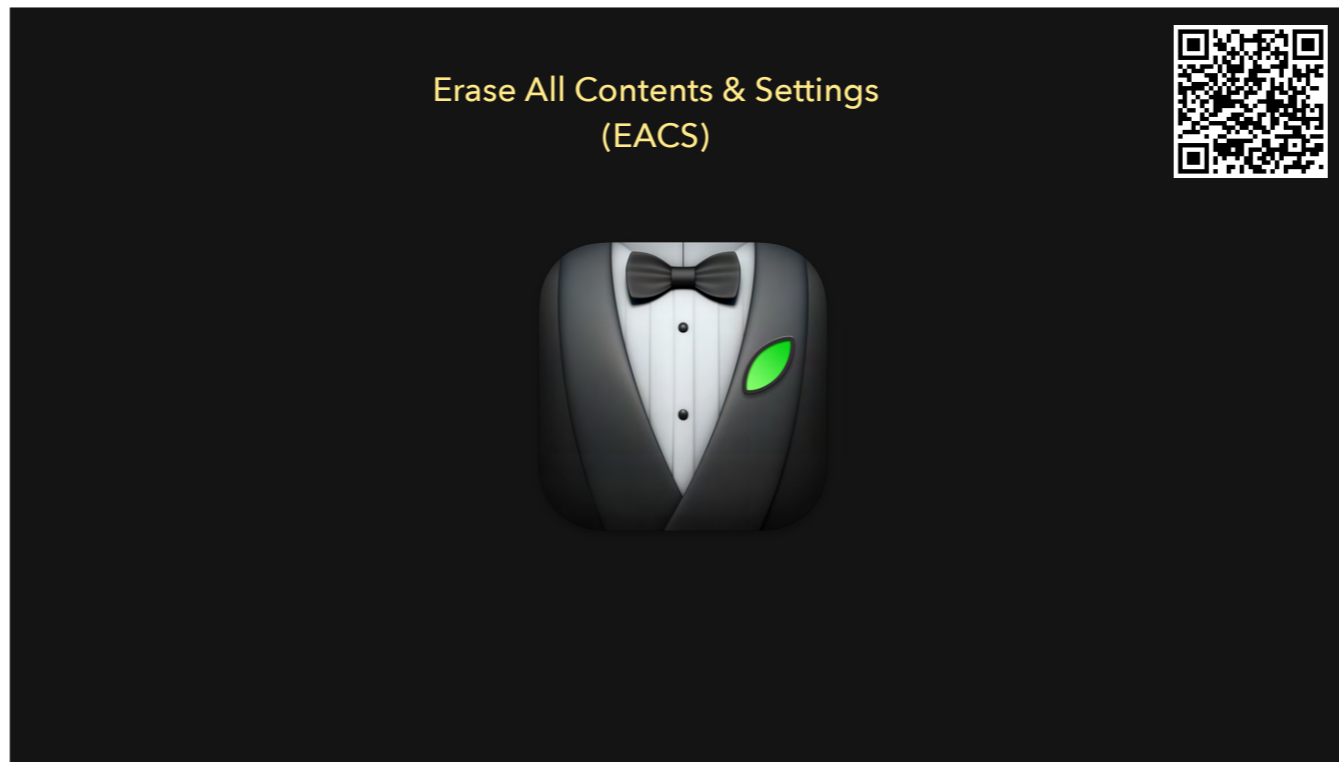
<https://psumac2024.sched.com/event/1dFqh/managed-apple-ids-and-you>



- most Enterprise environments require disk encryption.
- Escrowing of PRKs, Institutional keys (mostly dead) in MDM.
- Rotation and validating keys. Escrow Buddy as a tool to remediating invalid keys.
- SecureToken and Bootstrap Tokens.
- Use a config profile to control FV, not the Disk Encryption Configuration
- <https://github.com/macadmins/escrow-buddy>



- Configurator is a nice tool from Apple for low-level resetting an Apple device, including iPhones, iPads, and Macs.
- Some orgs have built “return to service” workflows around Configurator.

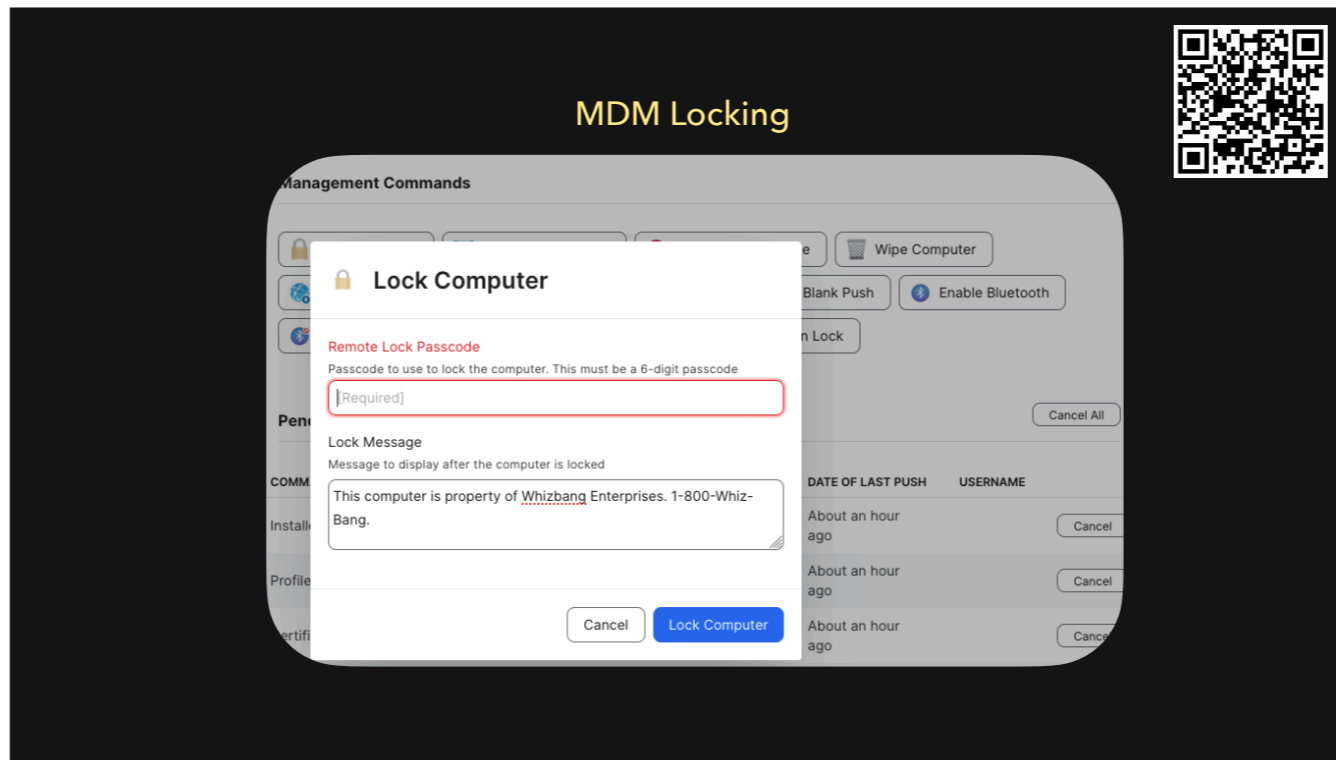


- When Apple introduced APFS, it allows for snapshotting of a file system. This allows an Apple Admin to reset a device in minutes because it just rolls the device back to the snapshot of its factory-shipping settings (and deletes the Data volume where the user space is stored).
- erase-install; a tool from Graham Pugh that can be scripted. Some orgs have built “return to service” workflows using this tool.

Activation Locking

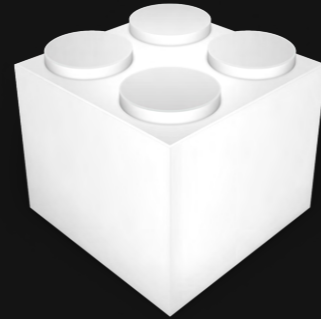


- The past: We used to have to supply proof of purchase to Apple to get a Mac unlocked
- Starting 06/25/24, any Mac that's already been enrolled into ABM or ASM now has the ability to be activation unlocked via the AxM console. (mind blown)
-



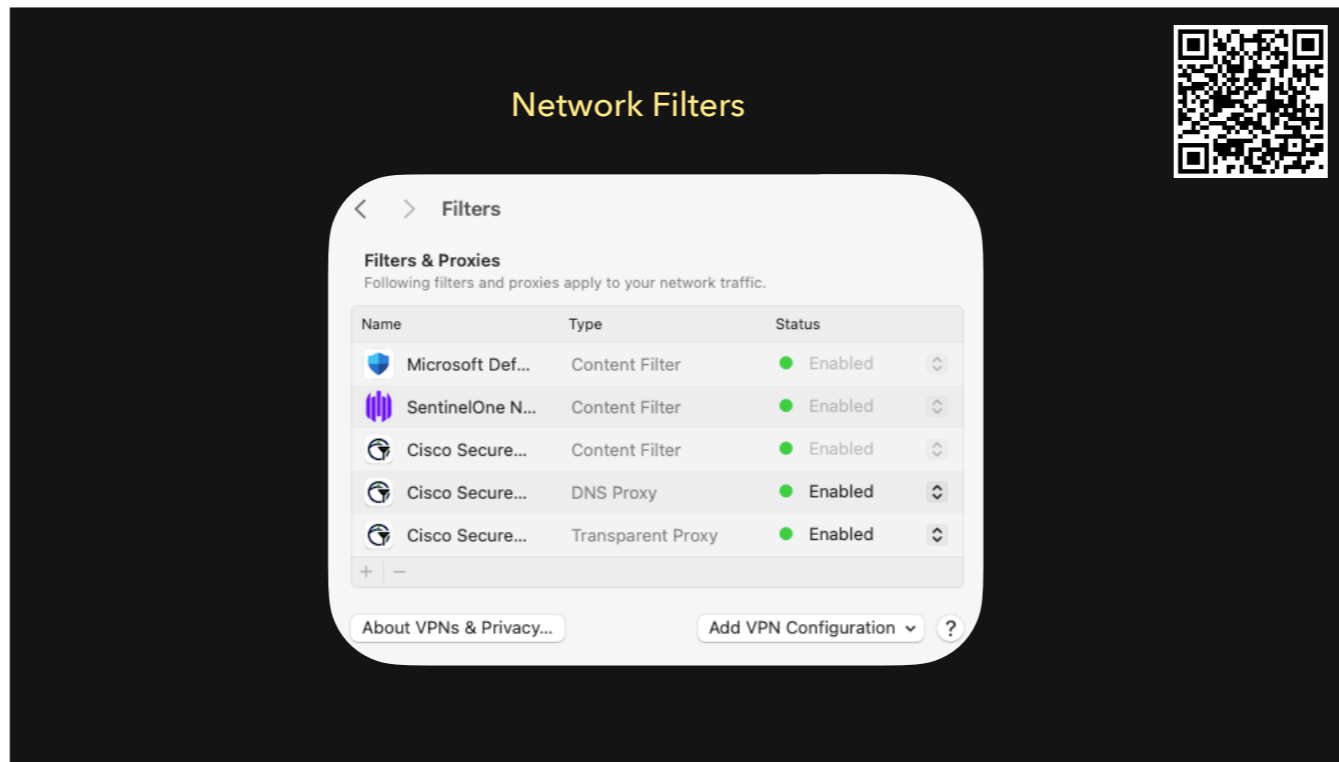
- This is another way of locking a device. For instance, let's say you have a Mac that is stolen, and FileVault is enabled, *and* the bad actor knows a password for an account to unlock FV. An MDM lock sits *between* the FileVault login and as the OS loads. When the Mac connects to the Internet, it gets locked with a six-digit code and you can provide a message to be displayed.

Network & System Extensions



~ % systemextensionsctl list

- System and Network extensions are the evolution from kernel extensions.
- <https://support.apple.com/en-us/120363>



- another layer of management in macOS. Some applications require a network filter to function. Examples are Cisco VPN, or EDR tools like Sentinel One or Microsoft Defender.

Kernel Extensions (Gah!)



Important: Kexts are no longer recommended for macOS. Kexts risk the integrity and reliability of the operating system. Users should prefer solutions that don't require extending the kernel and use system extensions instead.

- <https://support.apple.com/en-ca/guide/deployment/depa5fb8376f/1/web/1.0>

- KEXTs



- cd = change directory
- pwd = show "present working directory"
- ls = list
- rm = remove (delete)
- uptime = shows computer uptime since last reboot
- Cat
- echo
- grep
- awk
- Use the arrow keys to navigate your bash (shell) history
-

Wednesday Session: AWKward no more



AWKward no more: Text Processing Tricks for Macadmins

[Click here to add to My Schedule.](#)

Wednesday July 10, 2024 1:30pm - 2:45pm EDT

📍 207

Feedback Survey

A journey into AWK and its benefits as a text processing language for Macadmins. Through practical examples and real world applications, the aim is to provide you with ways to simplify workflows and by the end of the talk, a fundamental grasp on the power and ease that AWK provides.

Speakers



Enrique Lau

Mac Enterprise Engineer, Tamman, Inc.

Part of Tamman, Inc since 2022, I occasionally weave code into solutions, often through AWK. I aim to share its simplicity with the Macadmin community.

Development Fundamental

Wednesday Session: AWKward no more



Awk, sed, grep: Together, we can change anything!

[Click here to remove from My Schedule.](#)

Thursday July 11, 2024 3:15pm - 4:30pm EDT
Deans Hall 2


Feedback Survey

Three little commands — awk, sed, and grep — are the workhorses of shell scripts. They let us extract data from blobs of text and turn it into information we can use.

Let's spend a little time getting nerdy by examining each of these command line tools independently and with each other.

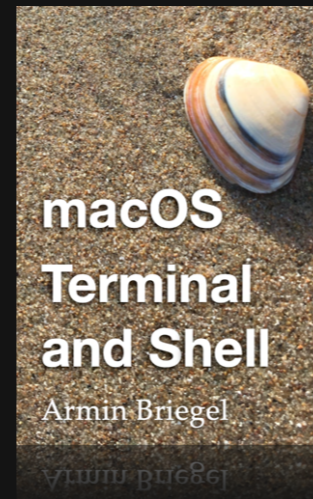
We'll review each command line tool, define their advantages, and watch them in action. The goal of this session is to show Mac admins how they can change anything with a little help from awk, sed, and grep.

Speakers

 **William Smith**
Partner Program Manager, Jamf
Bill is a Technical Enablement Manager with Jamf and works with partners, certified engineers, and consultants to provide training, support and documentation related to delivering services for Jamf customers. He enjoys teaching and writing about technology — both... [Read More](#)

Development Intermediate

Shell Scripting

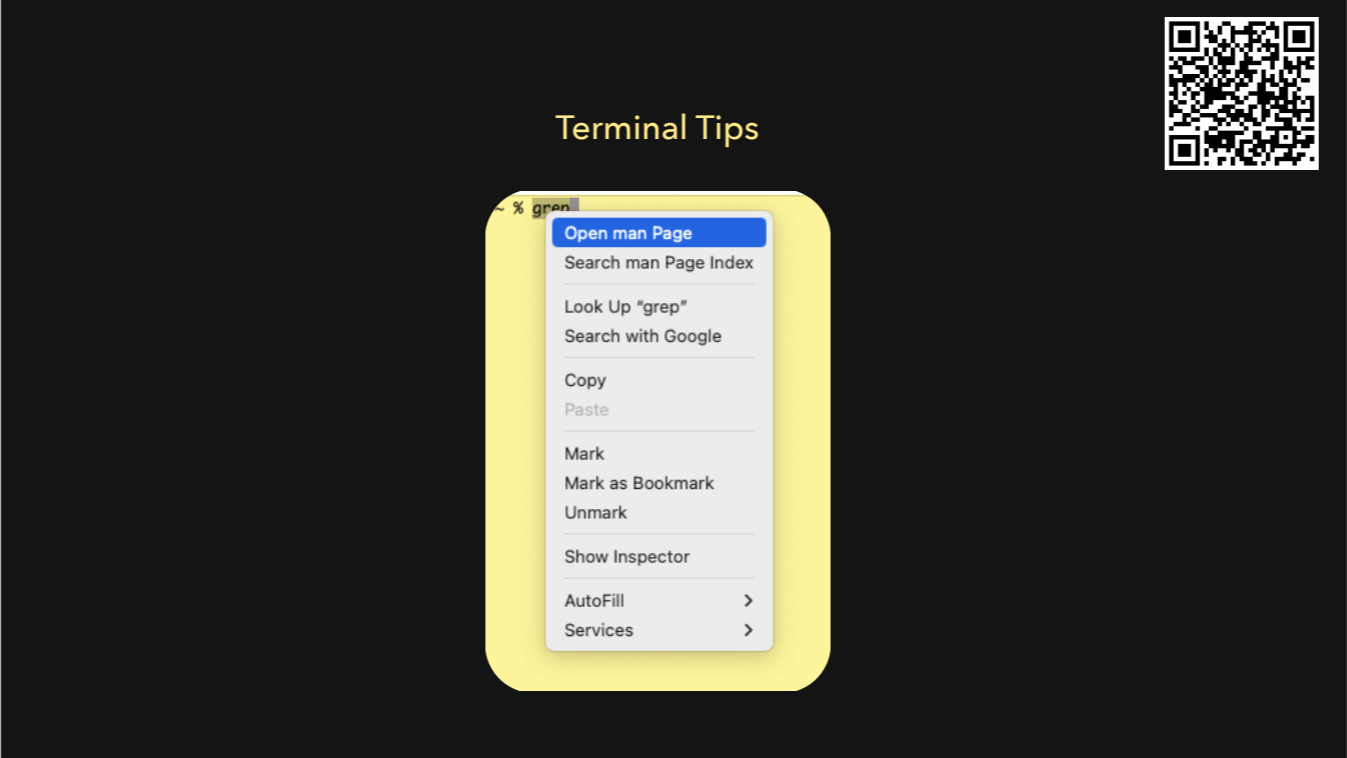


▸ <https://scriptingosx.com/macOS-terminal-and-shell/>

Terminal Tips Demo



- Tab-complete
- Finder-drag a path to Terminal window to autofill
- user arrow keys to navigate shell history
-



- Open a man page in new Terminal window



- Useful of reading some system logs.
- Best use is to capture a “stream” of logs while an event is happening
- Demo this.

Console Stream Demo



- Demo the streaming function in Console

Ulbow Log Reader App



```
Ulbow
Predicate iCloud filter error style regular
Period -4 min relative to 21/01/2020, 12:14:36 Now (1602) 112 Get log
12:11:05.888416 Default 1512184 455 [Operation 0x7fee70ed790] Operation transitioning from state 1 (cancelled=0, stop=0, error=0)
12:11:05.888498 Default 1512182 455 [Operation 0x7fee70ed790] Operation transitioning from state 2 (cancelled=0, stop=0, error=0)
12:11:05.888186 Default 1512182 455 [Operation 0x7fee70ed790] Operation transitioning from state 4 (cancelled=0, stop=0, error=0)
12:11:05.888188 Default 1512182 455 [Operation 0x7fee70ed790] Operation transitioning from state 5 (cancelled=0, stop=0, error=0)
12:11:05.888111 Default 1512182 455 [Operation 0x7fee70ed790] Operation transitioning from state 6 (cancelled=0, stop=0, error=0)
12:11:05.886276 Info 1511900 455 com.apple.CloudKit CKEventMetric <private> didCompleteWithError (null)
12:11:16.829649 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 1 (cancelled=0, stop=0, error=0)
12:11:16.829661 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 2 (cancelled=0, stop=0, error=0)
12:11:16.829664 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 3 (cancelled=0, stop=0, error=0)
12:11:16.829669 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 4 (cancelled=0, stop=0, error=0)
12:11:16.829672 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 5 (cancelled=0, stop=0, error=0)
12:11:16.829782 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 6 (cancelled=0, stop=0, error=0)
12:11:16.829785 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 7 (cancelled=0, stop=0, error=0)
12:11:16.829710 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 9 (cancelled=0, stop=0, error=0)
12:11:16.829737 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 8 (cancelled=0, stop=0, error=0)
12:11:16.829754 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 10 (cancelled=0, stop=0, error=0)
12:11:16.829760 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 11 (cancelled=0, stop=0, error=0)
12:11:16.829761 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 12 (cancelled=0, stop=0, error=0)
12:11:16.829781 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 13 (cancelled=0, stop=0, error=0)
12:11:17.079056 Default 1512210 455 [Request 0x7fee91cef80] URLSession:task:didCompleteWithError:
12:11:17.079140 Default 1512210 455 [Request 0x7fee91cef80] Finishing request with no error
12:11:17.079247 Info 1512210 455 com.apple.CloudKit req: F7B19738-9743-4111-8F5E-514646FB489D, "<private>, did finish request
<private> with error (null)"
12:11:17.081615 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 16 (cancelled=0, stop=0, error=0)
12:11:17.081632 Default 1511900 455 [Operation 0x7fee91b3ca0] Operation transitioning from state 18 (cancelled=0, stop=0, error=0)
12:11:17.082785 Info 1511900 455 com.apple.CloudKit CKEventMetric <private> didCompleteWithError (null)
12:11:17.083190 Default 1511900 455 [Operation 0x7fee70bf1d0] Operation transitioning from state 1 (cancelled=0, stop=0, error=0)
12:11:17.083199 Default 1511900 455 [Operation 0x7fee70bf1d0] Operation transitioning from state 2 (cancelled=0, stop=0, error=0)
```

- <https://eclecticlight.co/consolation-t2m2-and-log-utilities/>
- Apple introduced unified logging starting in macOS 10.13
- Most useful for searching many log files between two specific times

Thursday Session: Unified System Logs



Unified System Logs - The key to root cause


[Click here to add to My Schedule.](#)

Thursday July 11, 2024 1:30pm - 2:45pm EDT
208

Feedback Survey

sysdiagnose and Unified System Logs are one of the corner stones to good root cause analysis. Learn how MDM vendors like Jamf and Addigy use these logs internally for anything from support cases to better understating OS features where documentation is not as detailed as it could be. We will cover use cases for macOS, iOS, iPadOS, and tvOS. Additionally we will cover best practices in submitting Apple Feedback to ensure full details and the right logging is included and useful to Apple.

Speakers

 **Bryce Carlson**
Senior Product Manager, Addigy

After my family's iMac G4 in 2002 changed the course of my life to focus on Mac management I have worked for K-12 and Higher Education organizations in macOS and iOS deployment, and evolved that into directly working in the MDM sector. First, at Jamf in 2016 and now Addigy since... [Read More](#) →

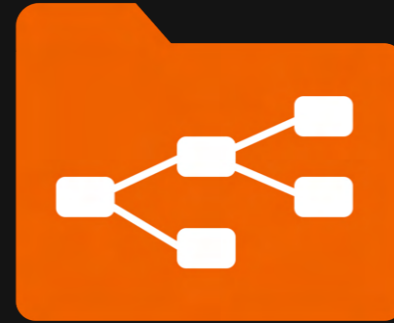
Toolbox ● Intermediate

<https://psumac2024.sched.com/event/1dFqk/unified-system-logs-the-key-to-root-cause>



- <https://fsmonitor.com/>
- super useful app for watching for changes to the file system as a task is performed. I've used to many times to help track down modified preferences files (.plist files), or to help troubleshoot why an application is crashing, or to find where a licensing file is hidden/stored on the system.

FSMonitor Demo



- demo FSMonitor.app

Defaults



- Dock**
 - [Position](#)
 - [Change macOS Dock icon size](#)
 - [Autohide](#)
 - [Autohide animation time](#)
 - [Autohide delay](#)
 - [Show recents](#)
 - [Minimize animation effect](#)
 - [Active applications only](#)
 - [Scroll to Exposé app](#)
- Screenshots**
 - [Disable shadow](#)
 - [Include date](#)
 - [Set location](#)
 - [Display thumbnail](#)
 - [Choose screenshot format](#)
- Safari**
 - [Show full URL](#)
- Finder**
 - [Quit](#)
 - [Show extensions](#)
 - [Show hidden files](#)
 - [Path bar](#)
 - [Default view style](#)
 - [Keep folders on top](#)
 - [Default search scope](#)
 - [Empty bin items after 30 days](#)
 - [Changing file extension warning](#)
 - [Save to disk or iCloud by default](#)
 - [Title bar icons](#)
 - [Adjust toolbar title rollover delay](#)
 - [Set sidebar icon size](#)
- Desktop**
 - [Keep folders on top](#)
 - [All icons](#)
 - [Disks](#)
 - [External disks](#)
 - [Removable media](#)
 - [Connected servers](#)
- Menu Bar**
 - [Flash clock time separators](#)
 - [Set menubar digital clock format](#)
- Mouse**
 - [Disable acceleration](#)
 - [Set movement speed](#)
 - [Focus Follows Mouse](#)
- Trackpad**
 - [Click weight \(threshold\)](#)
 - [Enable dragging with drag lock](#)
 - [Enable dragging without drag lock](#)
 - [Enable dragging with three finger drag](#)
- Keyboard**
 - [Key held down behavior](#)
 - [Configure fn/⌘ key](#)
 - [Function keys behavior](#)
- TextEdit**
 - [Set default document format](#)
 - [Set smart quotes](#)
- Time Machine**
 - [Don't offer new disks for Time Machine backup](#)
- Activity Monitor**
 - [Update Frequency](#)
 - [Dock Icon type](#)
- Messages**
 - [Show Subject Field](#)
- Miscellaneous**
 - [Help Menu position](#)
 - [Enable spring loading for all Dock items](#)
 - [Show Music song notifications](#)
 - [Disable application quarantine message](#)
 - [Close confirm changes popup](#)

<https://macos-defaults.com/>



Q&A

Play time!



```
defaults read com.apple.dock
```

```
defaults read com.apple.dock orientation
```

```
defaults write com.apple.dock orientation -string "left"
```

```
defaults read com.apple.dock orientation
```

```
killall Dock
```

```
defaults write com.apple.dock orientation -string "right" &&  
killall Dock
```

- defaults read com.apple.dock
- defaults read com.apple.dock orientation
- defaults write com.apple.dock orientation -string "left"
 - Nothing happens
- defaults read com.apple.dock orientation
- killall Dock
- &&
- defaults write com.apple.dock orientation -string "right" && killall Dock

Solo play time!



Use defaults to determine the location of screenshots

Change the location of screenshots to ~/Desktop/Screenshots

- We have not covered everything
- Web search is your friend

Solo play time!



```
defaults read com.apple.screencapture
```

```
defaults read com.apple.screencapture | grep "location"
```

```
defaults write com.apple.screencapture location -string "~/  
Desktop/Screenshots"
```

```
killall SystemUIServer
```

Take a screenshot!

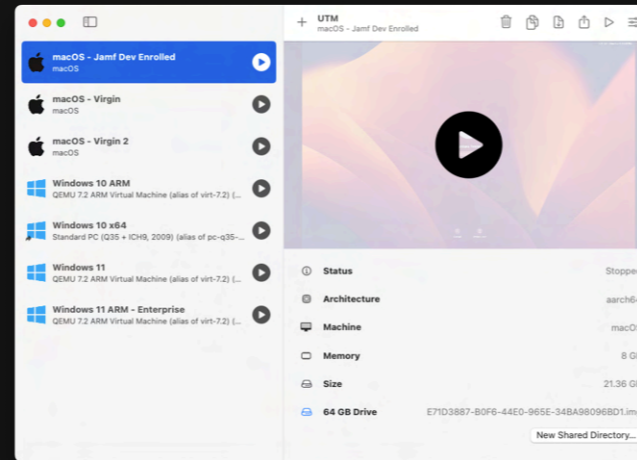
```
defaults delete com.apple.screencapture "location" && killall  
SystemUIServer
```

- Google
- defaults read
- grep to narrow down what we're looking for
- Change location
- kill service
- capture screenshot
- reset



LEVEL 300

macOS Virtualization for Testing

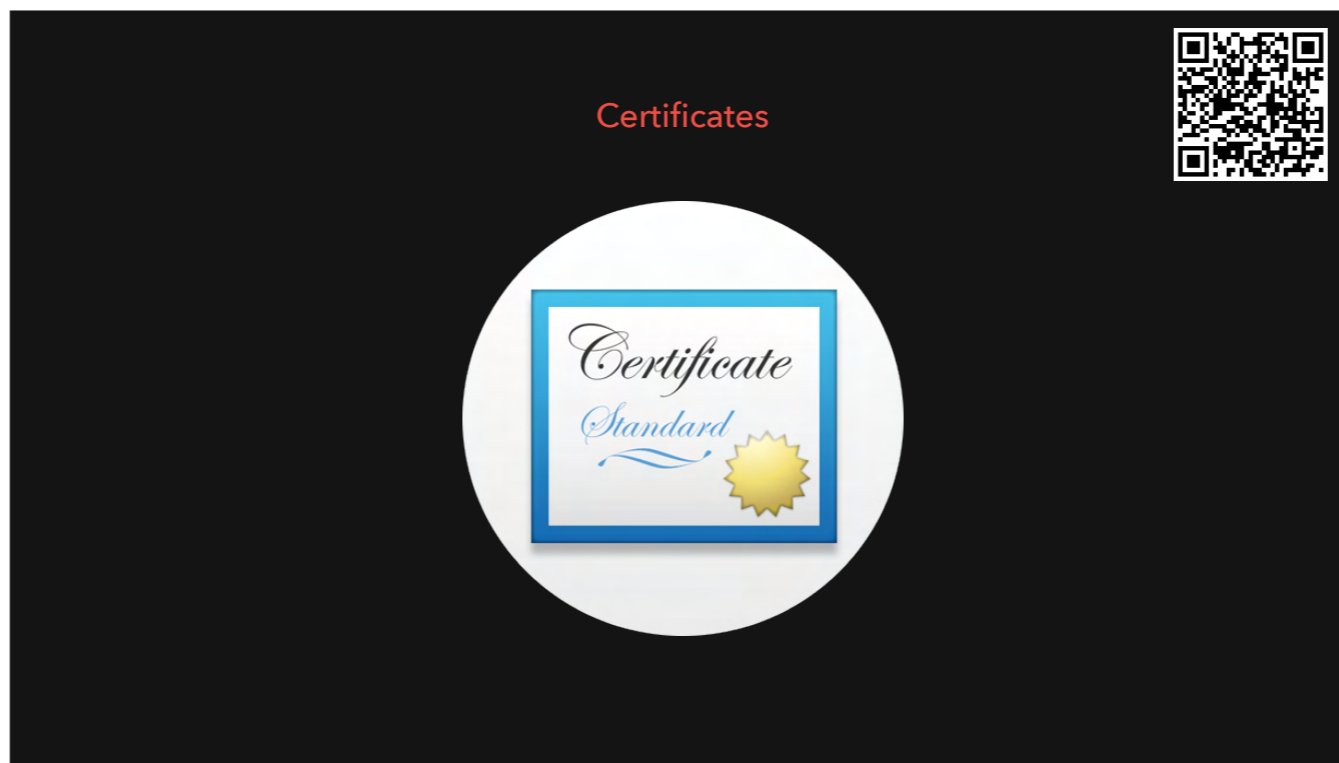


VirtualBuddy, etc
with macOS 15 VMs, hosted on a macOS VM, can sign into iCloud
Cannot test enrollment customization
MDMs don't deal with VM's very well

Endpoint Protection



Security tools



Many ways to deploy, only real one is to deploy via profile
not trusted by default = certificate chain not complete/you are missing certs

macOS Security Compliance Project



macOS Security Compliance

https://github.com/usnistgov/macos_security#readme

Wednesday Session: Compliance for Overworked MacAdmins



Compliance for Overworked MacAdmins


[Click here to add to My Schedule.](#)

Wednesday July 10, 2024 3:15pm - 4:30pm EDT
📍 208

Feedback Survey

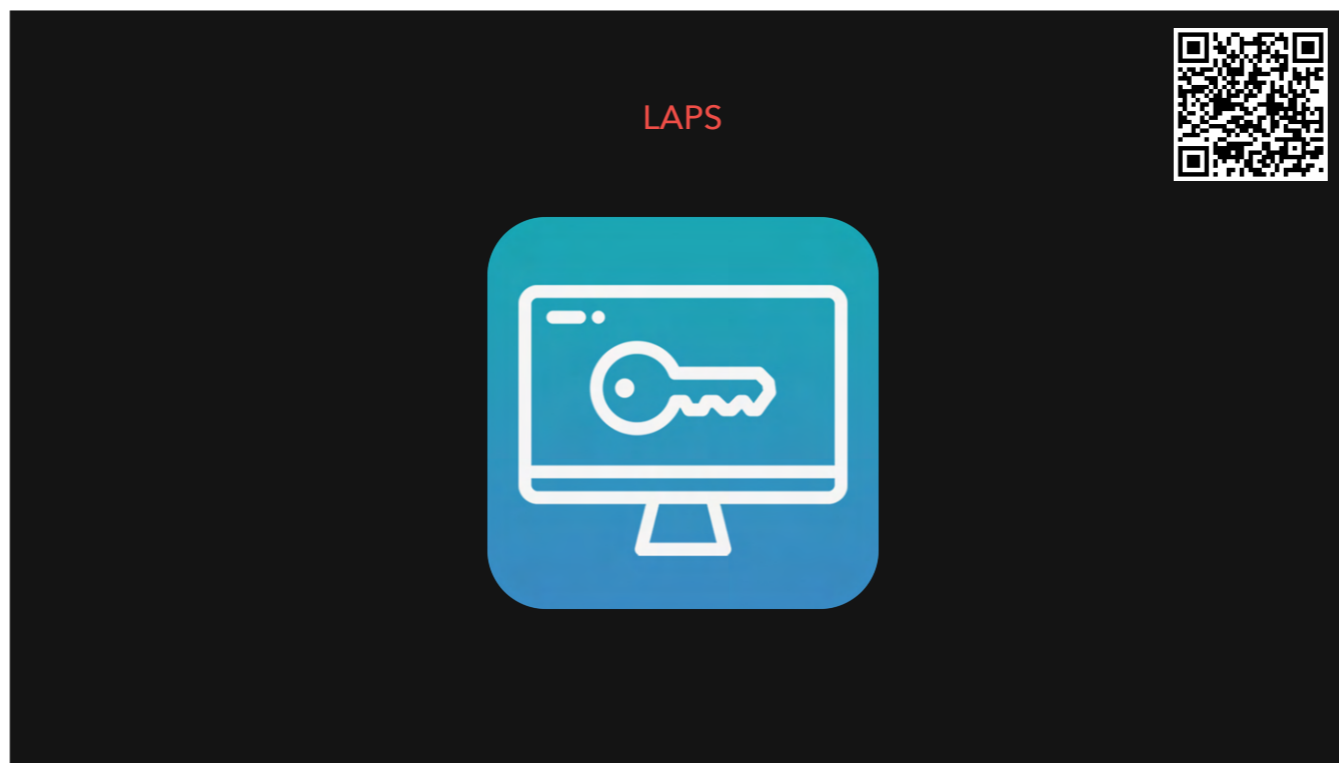
Too much work and too little direction keeping you from establishing security baselines on your Macs? Wondering what security rules should you apply, and how do you get started? Questioning why should you even bother? You're not alone! In this session I'll show how I'm using the macOS Security Compliance Project, Jamf Compliance Editor, and a healthy dose of gumption to implement security compliance on our fleet of higher ed Macs.

Speakers

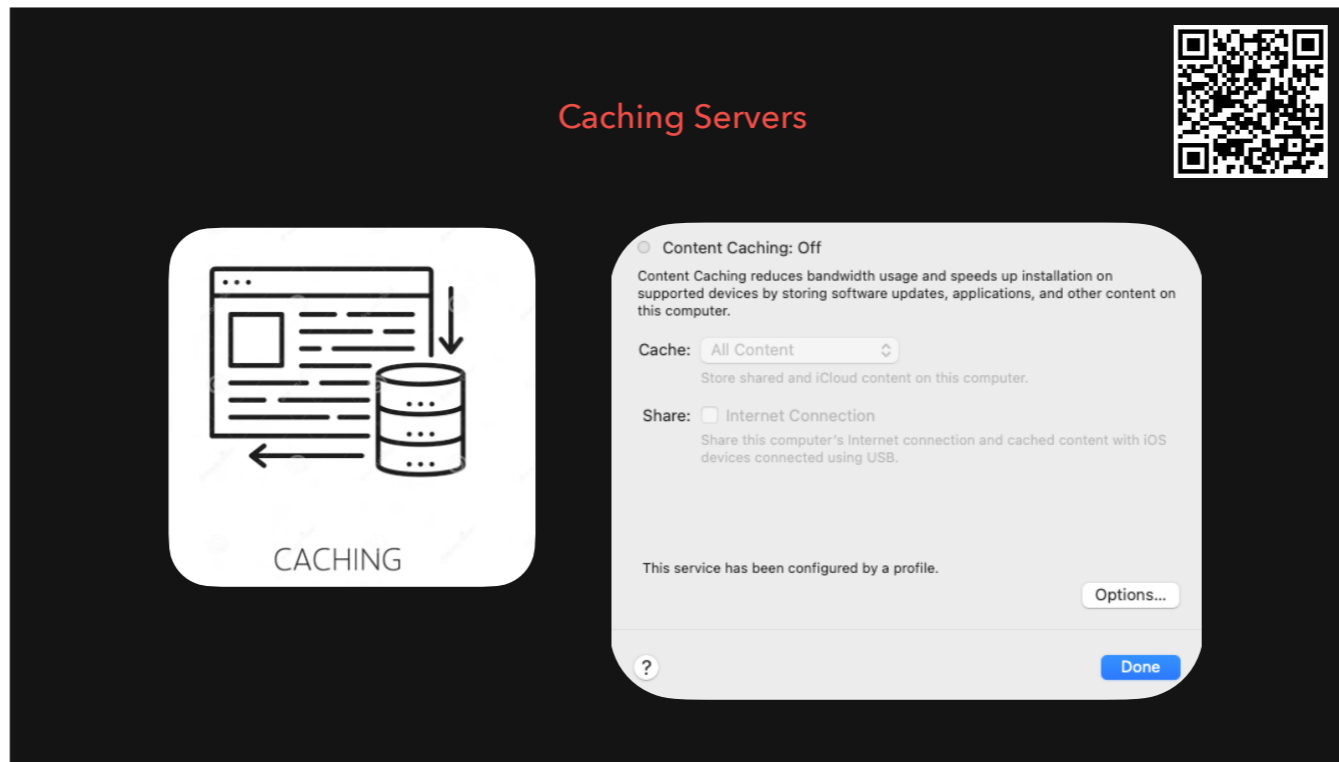
 **Beth Johnson**
Endpoint Engineer, Systems Administrator, Cat Herder, Mount Holyoke College
I came to tech support and computer administration after a career as a postpartum doula and childbirth educator. (When you think about it, they're not that different.) Now I work in higher education, where I architect our workstation management, as well as administer the applications... [Read More →](#)

Security ● All Levels

<https://psumac2024.sched.com/event/1dFpv/compliance-for-overworked-macadmins>



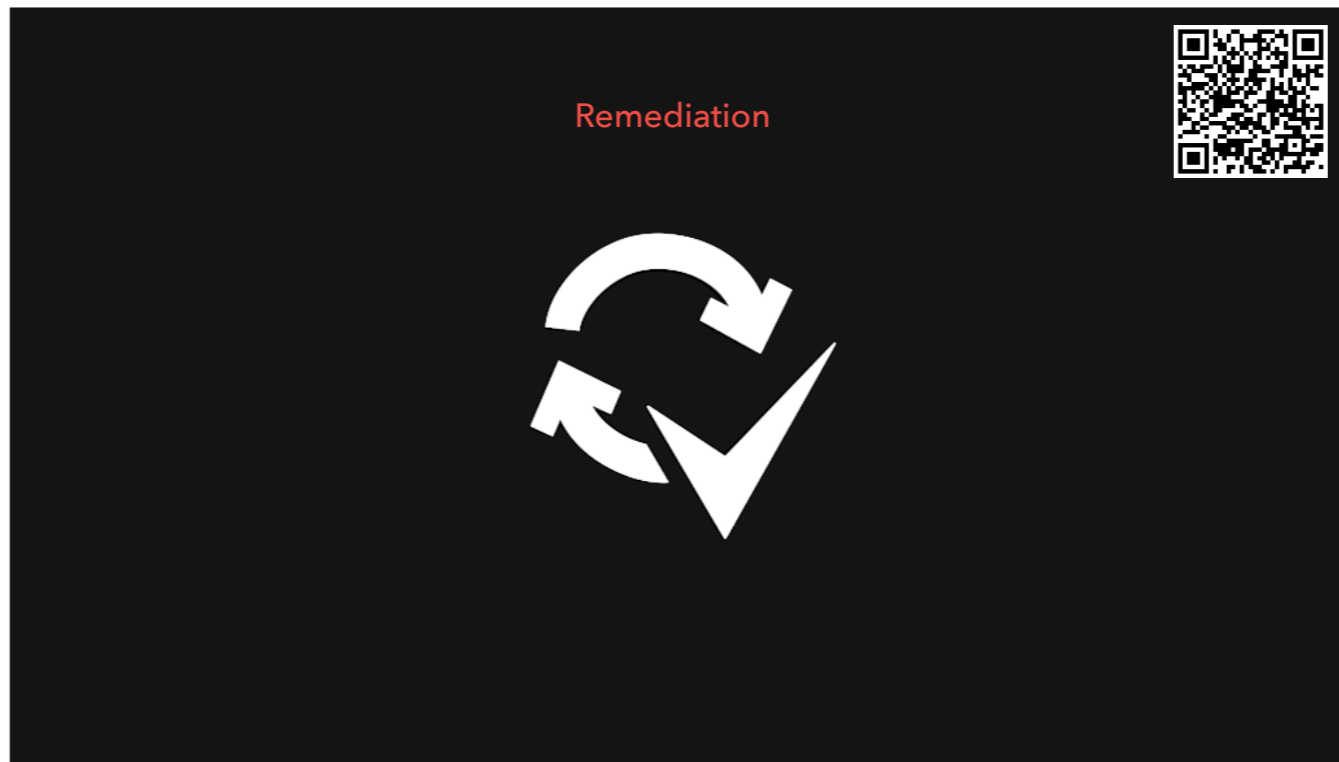
Local Admin Password Solution
Many third-party scripts/solutions
Jamf now has one natively built into Jamf Pro



Can be useful if many Apple devices on corporate network - saves TB of bandwidth/month.

Or, remote workers w/o split tunnel VPN

Not helpful for remote users or those w/split-tunnel VPN



This is where having functionality like Jamf Pro's Extension Attributes and Smart Groups is helpful.

EA to detect something anomalous

Smart Group of devices that have that anomalous situation

Policy to auto-correct this.

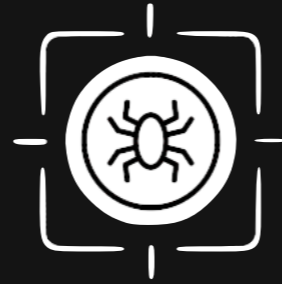
Provisioning Validation



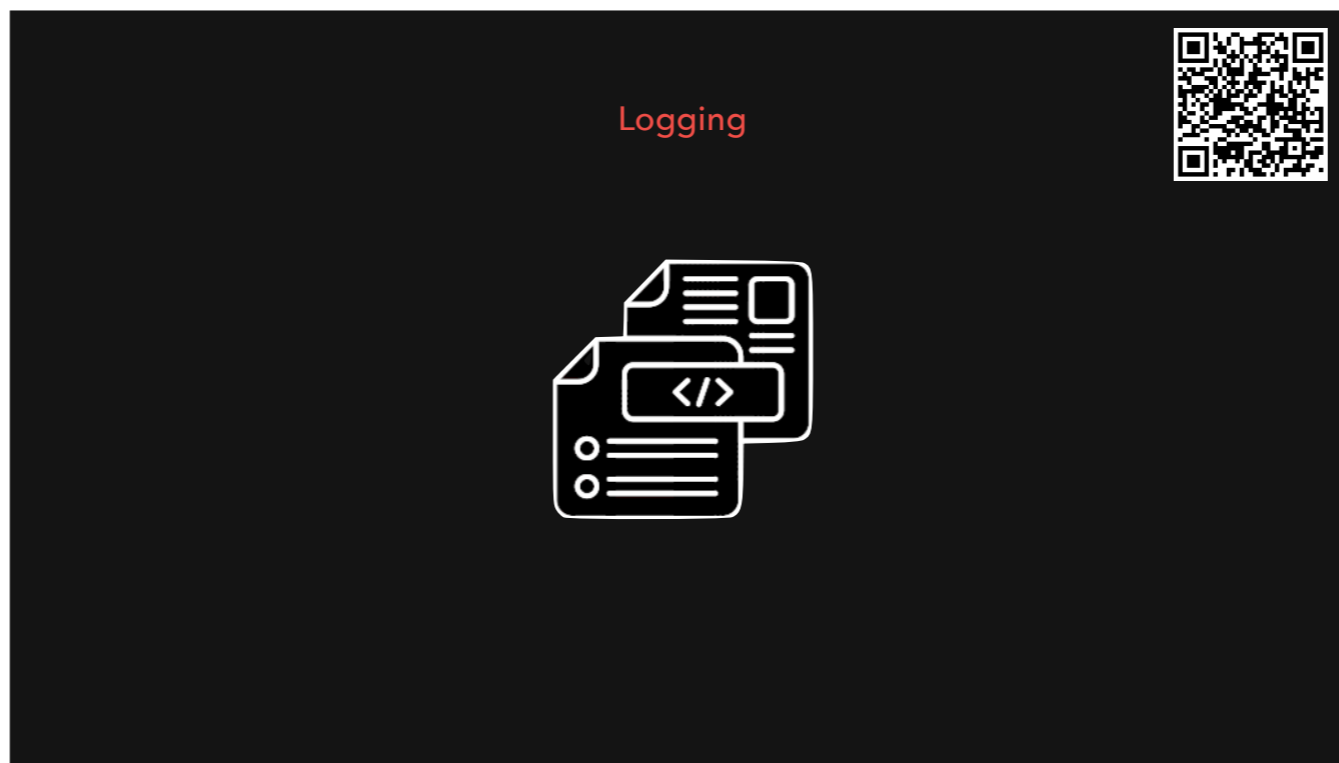
May want to check things on a system, like:

- a. latest OS?
 - b. FileVault enabled? FV key escrowed?
 - c. which users have secureTokens? which users are administrators?
- et. al.

Patching & Update Enforcement



You need ways to ensure that both the OS and applications are updated regularly. That users have some method to defer the updates for some period of time or number of deferrals.

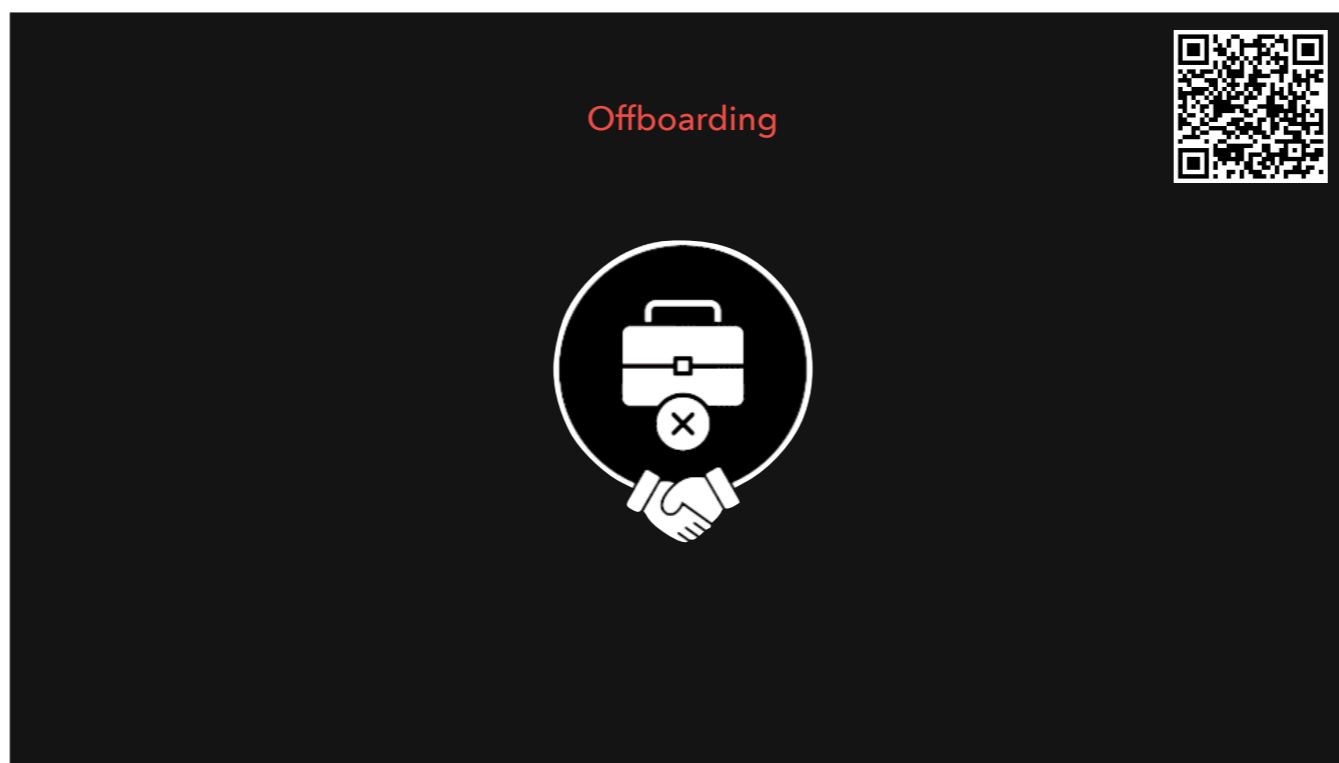


Console

log show -predicate

Third-party logging tools like Splunk, etc.

Jamf Compliance Reporter/Jamf Protect offline mode



You need a way to ensure that users can no longer access company resources when they leave the org.
Remote Lock their Mac, disable any email/network accounts, etc.



Q&A

Demo time!



Turn on Caching Server

Turn off Caching Server

Find a in log mdns.responder

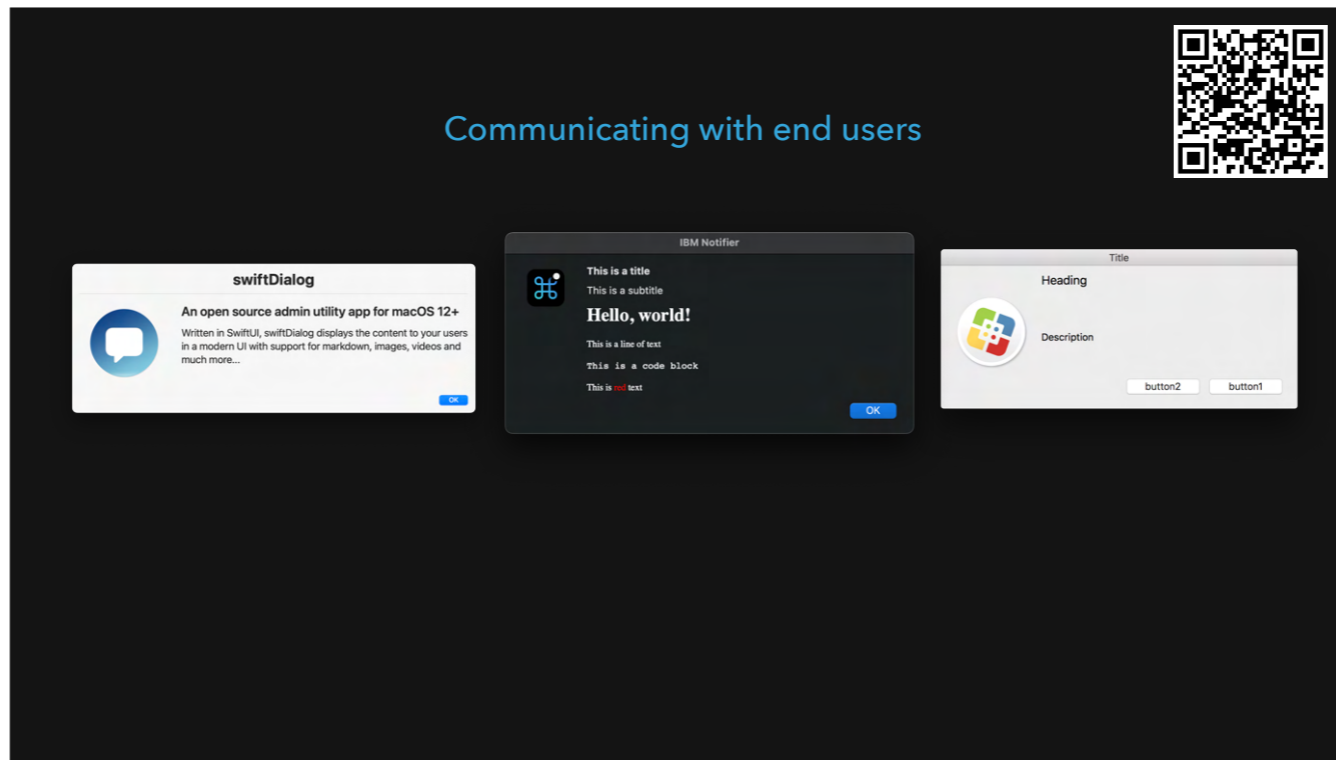
Play time!

Offboarding Plan

- An employee was recently fired. What steps must you take to disable access? What tools do you have to offboard?



THE TOOLS WE USE



- Swift Dialog <https://github.com/swiftDialog/swiftDialog>
- Jamf Helper (built into Jamf Pro)
- IBM Notifier <https://github.com/IBM/mac-ibm-notifications>
- Customizable device notification platforms

Thursday Session: You Got Your Installomator in my SwiftDialog



You Got Your Installomator in my swiftDialog!

Click here to add to My Schedule.

Thursday July 11, 2024 10:45am - 12:00pm EDT
205

Feedback Survey

Learn how to safely deploy and update applications directly from the vendor automatically and without hosting any infrastructure. swiftDialog can be used to keep your users informed of what you're doing on their workstation, with professional, branded, and Apple native dialog boxes and notifications.

Installomator and swiftDialog go together like peanut butter and chocolate! Learn how these open source and vendor agnostic tools can fill in the gaps in your management system.

Speakers



Trevor Sysock

Author of open source tools Baseline and Renew, Second Son Consulting

Trevor Sysock (aka BigMacAdmin) is the author of macOS open-source projects Baseline and Renew. He is also a maintainer and contributor to Installomator. Trevor is the Director of MDM and Automation at Second Son Consulting in Los Angeles, where he has worked for over 10 years.

Deployment ● Intermediate

<https://psumac2024.sched.com/event/1dFqS/you-got-your-installomator-in-my-swiftdialog>

Provisioning Tools



Policy Name (ID)	Policy Array Items	Group ID
Enrollment: Apple App Store (152)	Enrollment: Apple App Store (152)	0
Enrollment: Computer Name Set (13,14) (17)	Local Validation - rosetta	0
Enrollment: File Configuration (19)	Enrollment: ICS Client side Support (2024,04,17...)	1
Enrollment: Google Chrome (80)	Local Validation - computerNameSet	1
Enrollment: Microsoft Office 365 (104)	Local Validation - rosetta	1
Enrollment: Microsoft Teams (11)	Local Validation - rosetta	1
Enrollment: Paid App Download (8,9,80) (17)	Local Validation - rosetta	1
Enrollment: The App Update Inventory on Mac OS App Store (8)		
Enrollment: Setup Your Mac Complete (18)		
Enrollment: Setup (80)		
Asset Enrollment: Janif Pro Health Check (17)		
Asset Enrollment: Setup Your Mac (1,15,16) (17)		

Configuration	Required	Recommended	Complete
Required: Minimum organization apps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recommended: Required apps for Microsoft 365	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete: Recommended apps, Apple, Google, Google and Google Chrome	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Field	Value
User Name	dan
Full Name	Dan K. Swanson
Email	dan@chrysalis.com.au
Computer Name	Dan's MacBook Air
Asset Tag	4670308
Room	222

App	Status
Rosetta	Running
Support Files	Installed
FileVault Disk Encryption	Enabled
Computer Inventory	Updated

<https://github.com/setup-your-mac/Setup-Your-Mac>

Provisioning Tools



Baseline, by Second Son Consulting

Please stand by while we configure your settings and applications.

- Firefox**
No shady privacy policies or back doors for advertisers. Just a lightning fast browser that doesn't sell you out. ✓
- Microsoft Office**
Microsoft 365 empowers your employees to do their best work from anywhere in the world, together in one place. ✓
- Slack**
Slack is a new way to communicate with your team. It's faster, better organized, and more secure than email. ✓
- Renew**
Regular restarts of your computer can help keep it secure and healthy. ✖
- IT Utilities**
Some things which help us keep your device running optimally. ✖

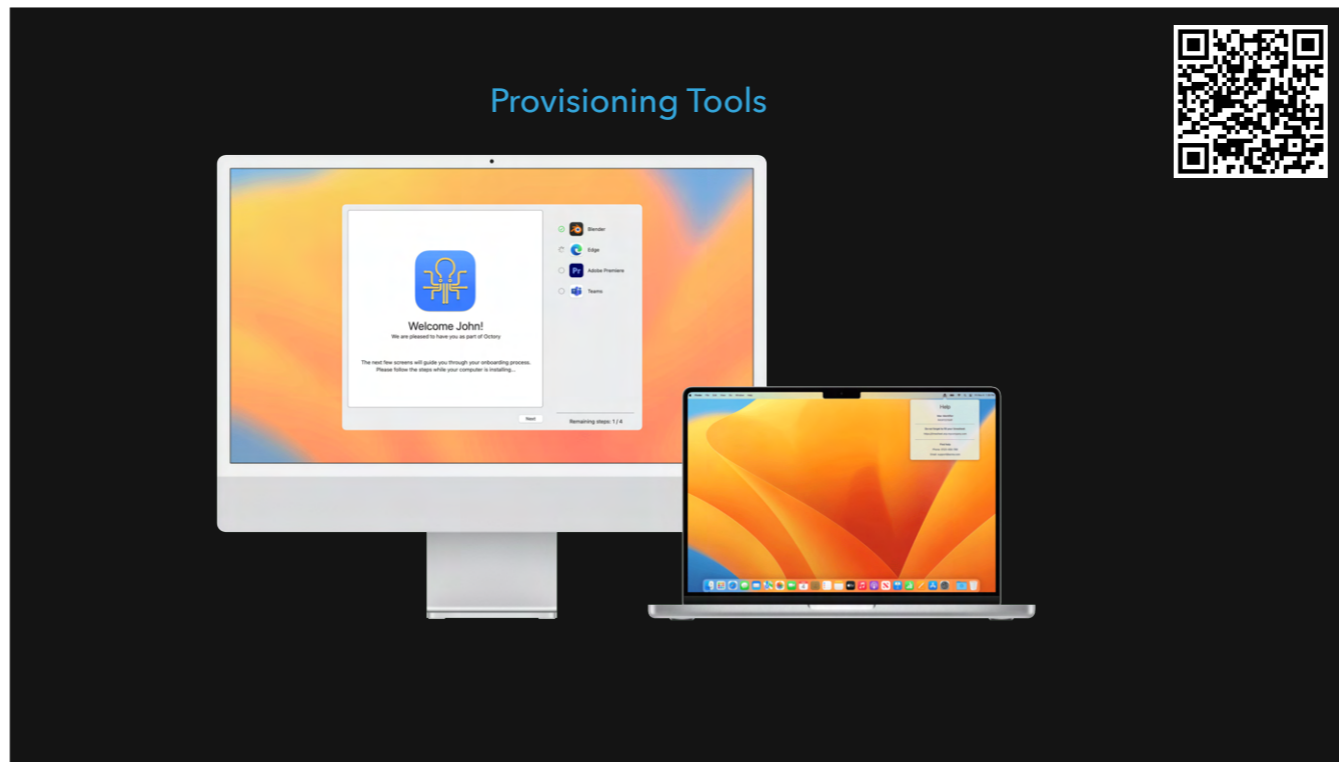
Renew OK

<https://github.com/SecondSonConsulting/Baseline>

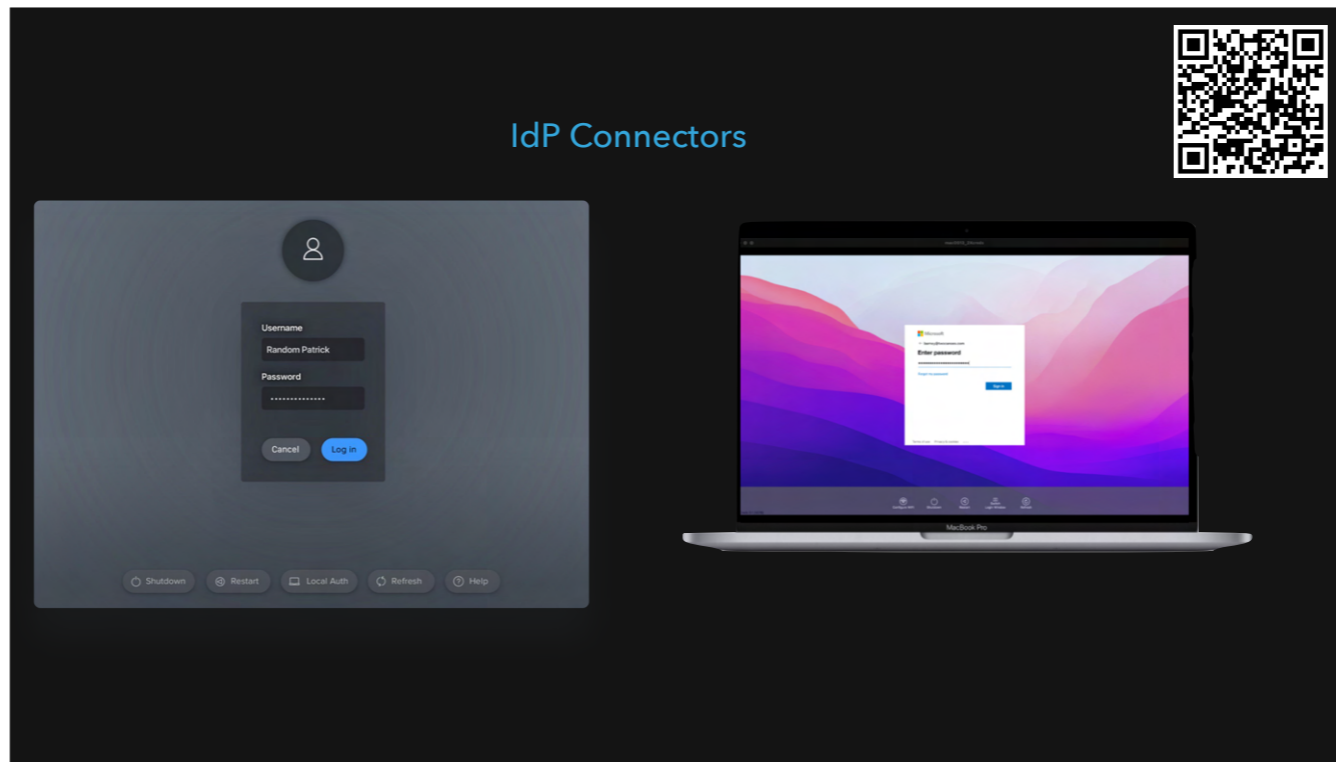
Provisioning Tools



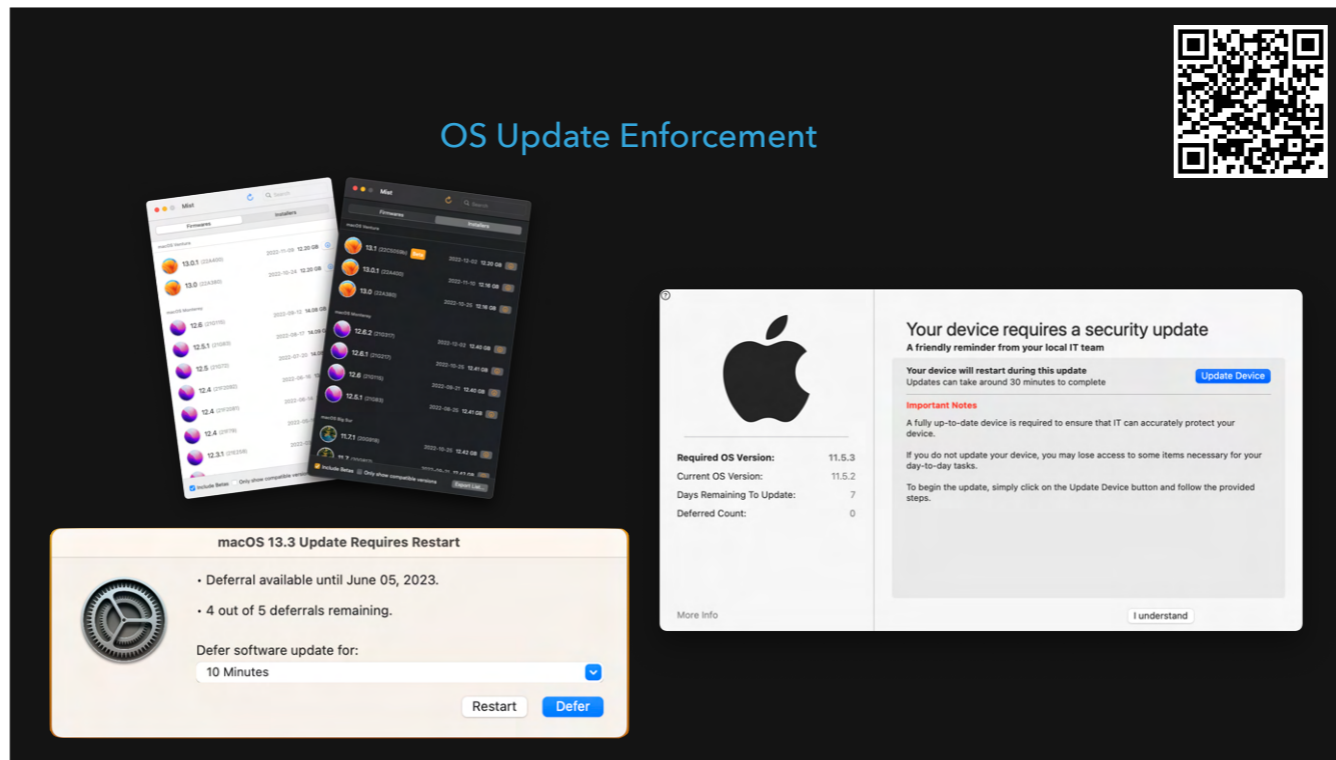
<https://gitlab.com/Mactroll/DEPNotify>



- Please don't call this "imaging". Imaging died years ago.
- <https://octory.io/>



- Jamf Connect <https://www.jamf.com/products/jamf-connect/>
- XCreds (Two Canoes) <https://twocanoes.com/products/mac/xcreds/> (Tim is here and doing a talk!)
- Kandji Passport
- JumpCloud
- Okta



- Nudge <https://github.com/macadmins/nudge>
- S.U.P.E.R.M.A.N <https://github.com/Macjutsu/super>
- DDM
- Graham Pugh's "erase-install" w/ options <https://github.com/grahampugh/erase-install>
- mist and mist GUI app
 - <https://github.com/ninxsoft/mist-cli>
 - <https://github.com/ninxsoft/Mist>
- Software Update binary deprecation

Wednesday Session on Nudge



N-U-D-G-E Spells Relief for macOS Updates!

[Click here to add to My Schedule.](#)

Wednesday July 10, 2024 9:00am - 10:15am EDT
208

Feedback Survey

Is macOS update compliance giving you indigestion? Already using Nudge and want to go even further? Or maybe you need great data to feel better. Introducing a NEW & IMPROVED formula for fast-acting updates and heartburn-free experiences with Nudge. We'll review essential settings (and some uncommon tweaks), explore rapid prototyping with my very own RapidReload™ Nudge manager, and learn how to track & report your fleet's compliance with compelling, visually stunning progress charts.

Speakers



Brad Chapman
Mac Systems Engineer, NBCU

As a Mac Systems Engineer @ NBCUniversal, Brad Chapman works on a small team managing 14,000 Macs across every business unit. When not fixing computers or his car, he sings professionally with the Los Angeles Master Chorale at Walt Disney Concert Hall or the Hollywood Bowl. To celebrate... [Read More](#) →

Device Management ● All Levels

<https://psumac2024.sched.com/event/1dFpL/n-u-d-g-e-spells-relief-for-macos-updates>



- Installomator <https://github.com/Installomator/Installomator>
- Patchomator <https://github.com/Mac-Nerd/patchomator>
- Munki <https://github.com/munki/munki>
- Autopkg(r) <https://github.com/autopkg/autopkg> <https://github.com/lindegrou/autopkgr?tab=readme-ov-file>
- Homebrew <https://brew.sh/>
- Workbrew <https://workbrew.com/>
- MDM built-in catalogues
- Jamf
- Kandji
- Mosyle
- Alectrona Patch -

Wednesday Session: Nuts and Bolts of Updating Apps



Nuts and Bolts of Updating Apps

Click here to add to My Schedule.

Wednesday July 10, 2024 3:15pm - 4:30pm EDT

Deans Hall 2

Feedback Survey

Updating third-party Mac apps: how does that work? A technical deep dive into various methods to install and update macOS applications to see how developers and administrators tackle this admittedly tough problem.

Speakers



Chad Swarthout

Founder & CEO, Alectrona

Chad Swarthout is Founder & CEO of Alectrona, providing Mac management services and software solutions to IT organizations. Chad has been supporting Apple devices in the enterprise for over 15 years providing managed services, training, and consulting services for rapidly scaling... [Read More →](#)

- Alectrona Patch is a paid solution. Useful for orgs with limited staff and who may need an SLA
- <https://psumac2024.sched.com/event/1dFq1/nuts-and-bolts-of-updating-apps>

Friday Session: Workbrew



Workbrew: A Deep Dive into the Enterprise Software Delivery Platform

Click here to add to My Schedule.

Friday July 12, 2024 10:45am - 12:00pm EDT

206

Feedback Survey

In this session we'll provide a step-by-step tutorial on how to configure, test, and deploy the Workbrew Software Delivery Platform to production with a deep into the architecture, features, and functionality most important to MacAdmins.

Speakers



John Britton

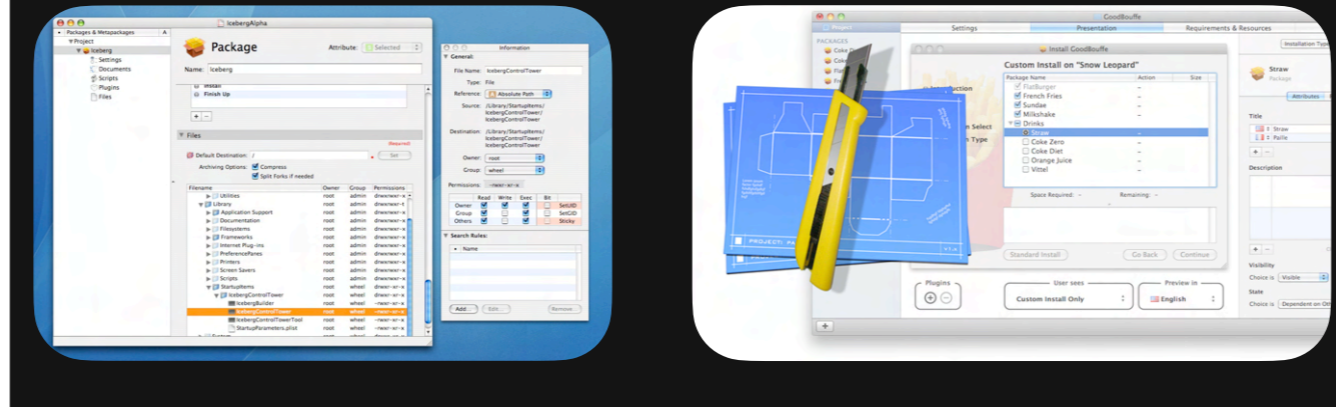
Co-Founder & CEO, Workbrew

John Britton is a developer, entrepreneur, and investor. As Co-Founder & CEO of Workbrew he's on a mission to improve the way software is deployed and managed at organizations. He is an industry-leading expert in the realms of open source and developer-tools go-to market, and invests... [Read More](#)

Sponsor All Levels

<https://psumac2024.sched.com/event/1YFqt/workbrew-a-deep-dive-into-the-enterprise-software-delivery-platform>

Packaging



- Composer <https://www.jamf.com/products/jamf-composer/>
- Iceberg <http://s.sudre.free.fr/Software/Iceberg.html>
- Packages <http://s.sudre.free.fr/Software/Packages/about.html>

Wednesday Session: macOS application packaging 101



macOS application packaging 101


[Click here to add to My Schedule.](#)

📅 Wednesday July 10, 2024 10:45am - 12:00pm EDT
📍 Deans Hall 2

Feedback Survey

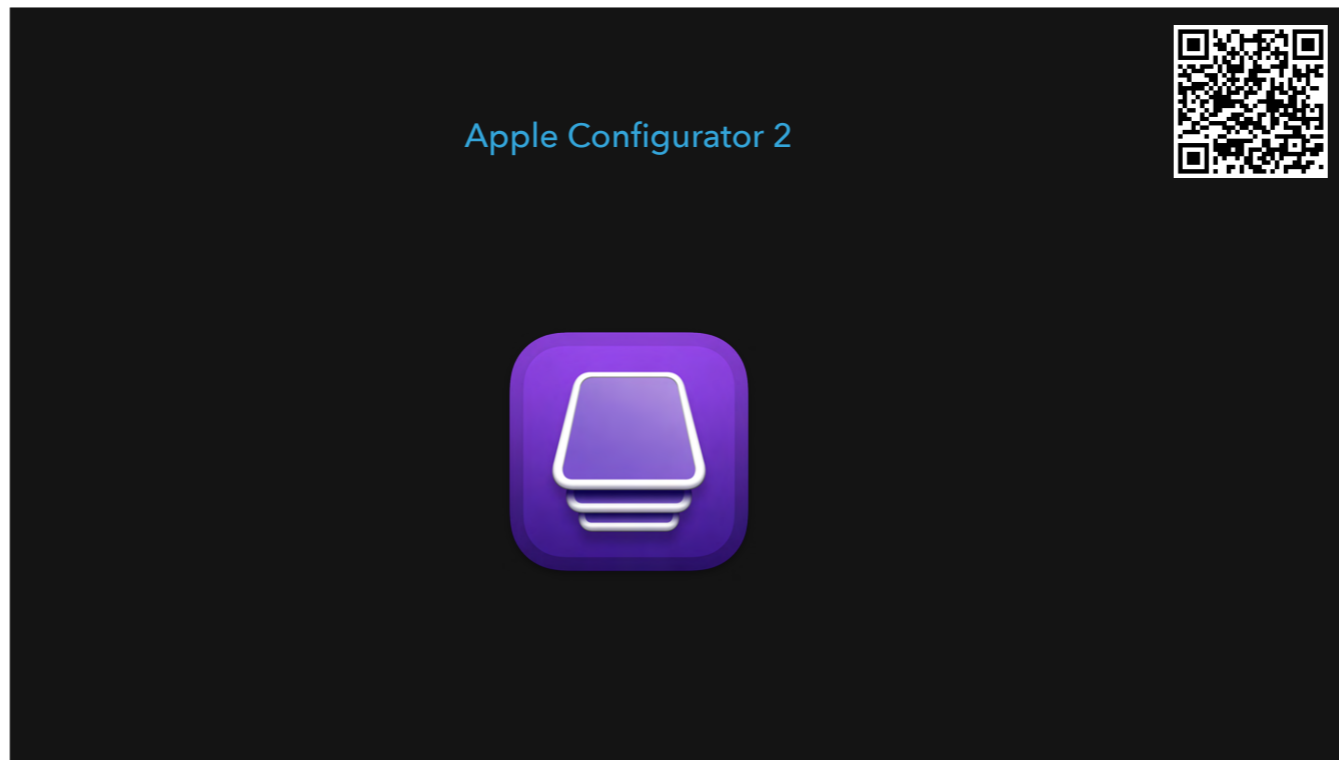
This session will discuss the various ways Apple recommends for packaging applications, with a focus on installer packages.

Speakers

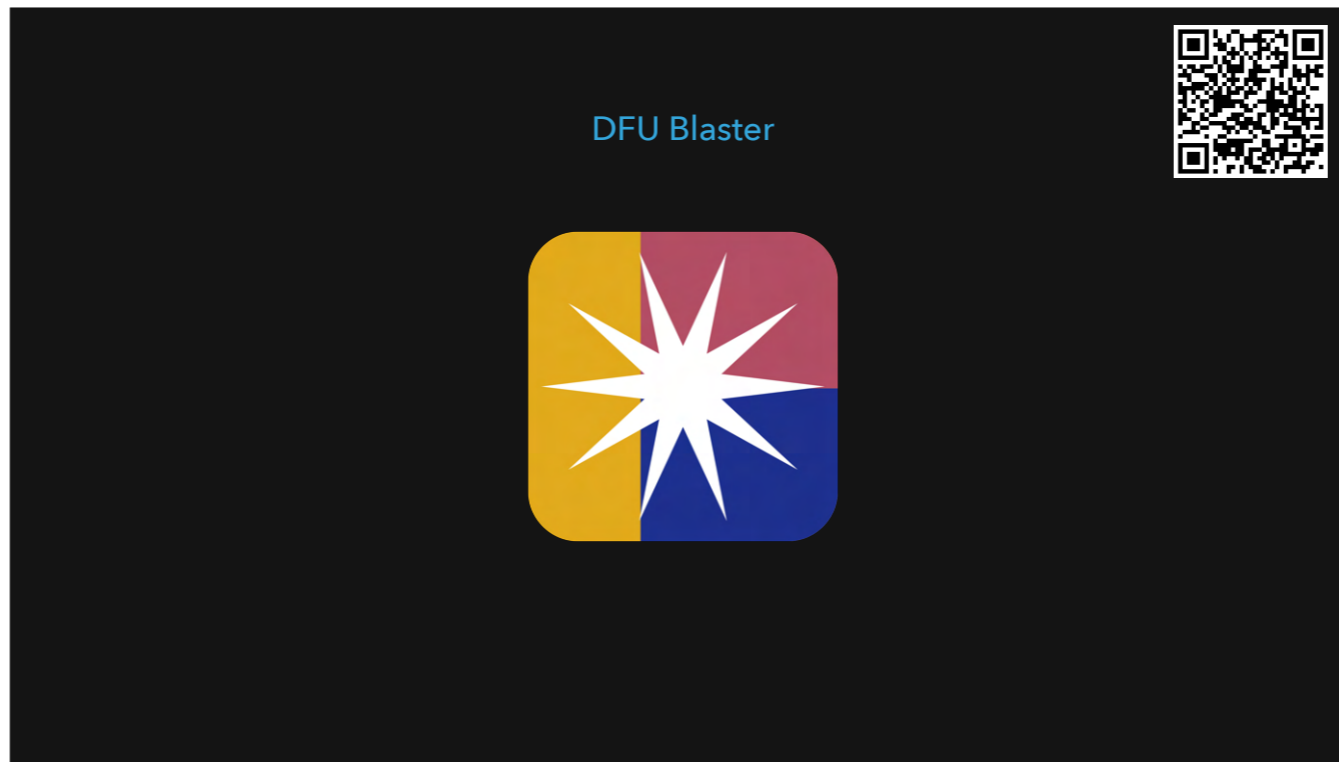
 **Rich Trouton**
IT Technology Senior Consultant, SAP

Rich Trouton has been doing Macintosh system and server administration for over twenty years and has supported Macs in a number of different environments, including education, government, research, and software development. Rich has also written for Peachpit, Apress... [Read More →](#)

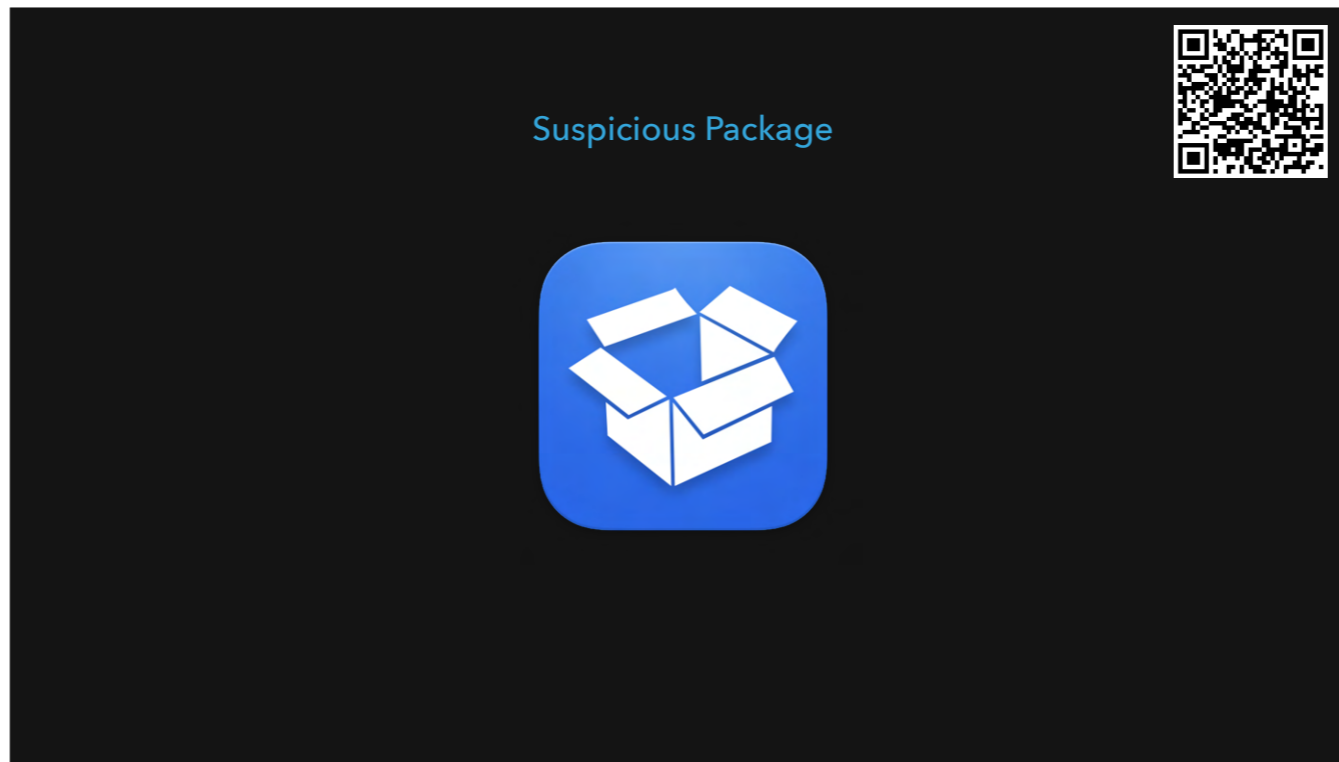
🟡 Deployment 🟣 Fundamental



- Allow you to restore a Mac/iPad/iPhone/etc
- Easy workflow is to
 - download an ipsw from Mist
 - Put Mac in DFU mode
 - Connect Macs
 - Open Apple Configurator 2
 - Drag and drop ipsw onto machine
- On iPhone/iPad app, add Macs to AxM



- DFU is Device Firmware Update
- To put a device into DFU mode is not easy <https://support.apple.com/en-ca/108900>
- DFU Blaster makes it easy <https://twocanoes.com/knowledge-base/deploying-apple-silicon-macs-with-dfu-blaster-mds-and-apple-configurator/>

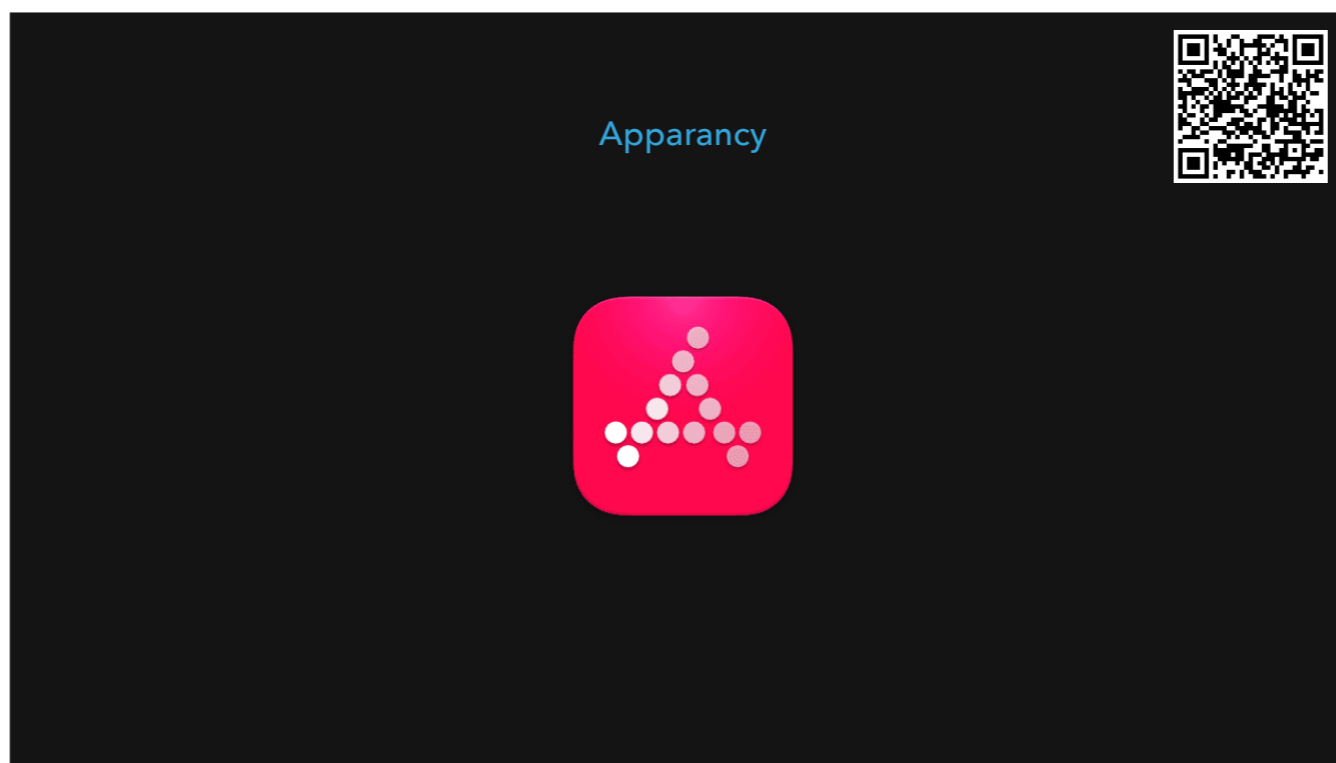


- <https://www.mothersruin.com/software/SuspiciousPackage/>
- Application that lets you inspect packages and find out what it installs, where, and any scripts that are run

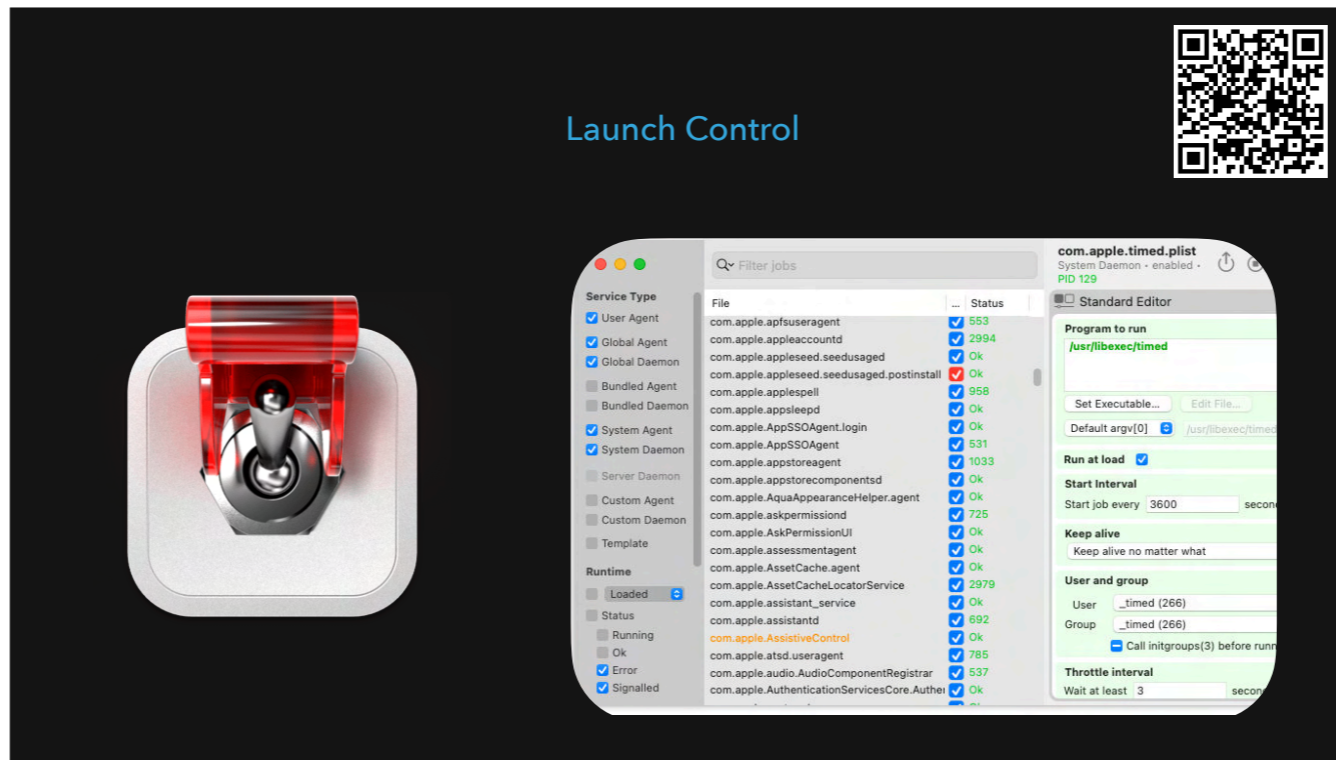
Suspicious Package Demo



- demo Suspicious Package



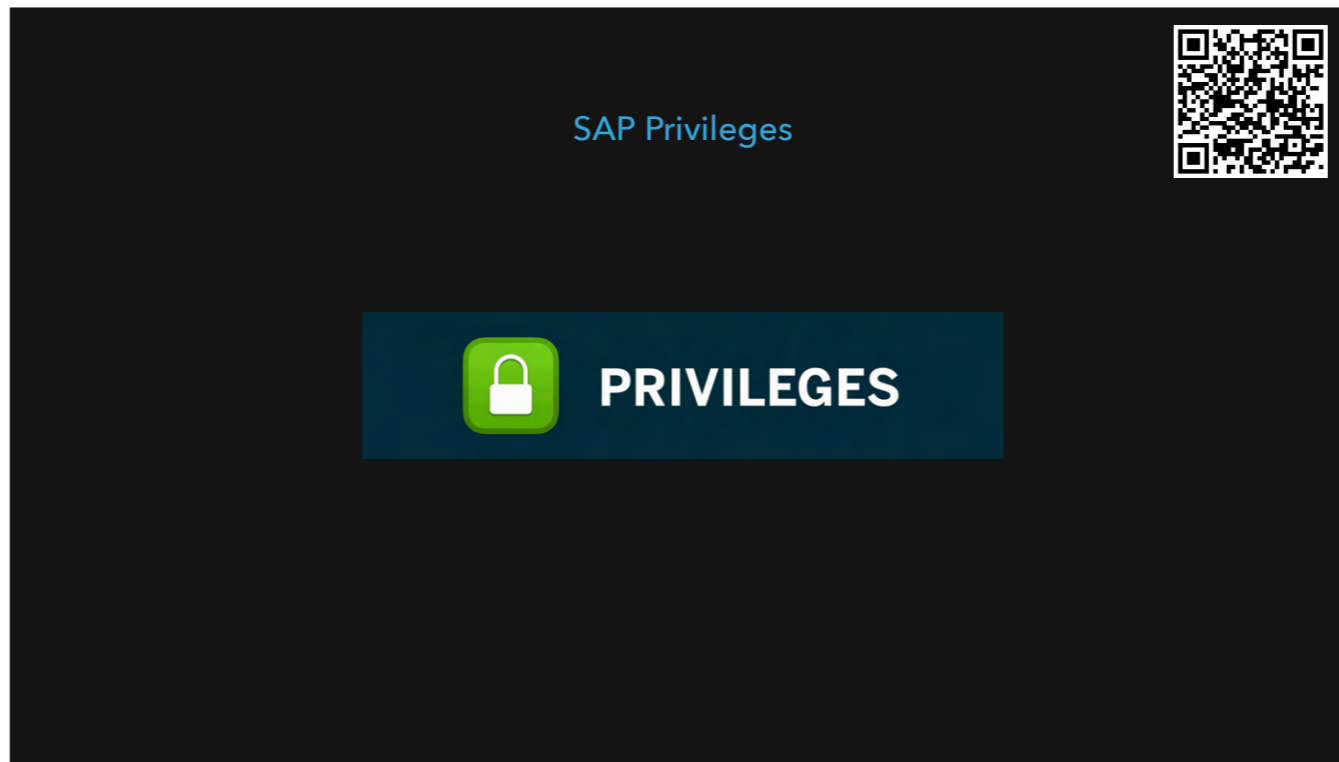
- <https://www.mothersruin.com/software/Apparancy/>
- Similar to suspicious package, but instead inspects an app. Will give you information such as who signed it, whether it's notarized, etc.



<https://www.soma-zone.com/LaunchControl/>

Allows you to manage launchdaemons and launchagents via an easy to use GUI.

Rebecca Latimer at JNUC presenting on Launch Daemons <https://www.youtube.com/watch?v=sRKfQjnQatA>



<https://github.com/SAP/macOS-enterprise-privileges>

Allows users to escalate their privileges from standard user to admin user

Users can do anything an admin can do when privs are elevated

Can log

Information



Mactracker

get info



<https://phoenix.dev/>

Mactracker <https://mactracker.ca/>



<https://everymac.com/>

<http://sofa.macadmins.io>



Q&A

Demo time!

Install Swift Dialog (here's a link)  

Shbang!

Call Swift Dialog and pass a title

Add a message

Add a "Dismiss" button

Change "Okay" to "Speak"

Make it talk

Add an icon

- Install Swift Dialog <https://github.com/swiftDialog/swiftDialog/releases/tag/v2.5.0>
- `#!/bin/zsh`
- `/usr/local/bin/dialog --title "Swift Dialog" \`
- `--message "macOS contains a built in screen reader call VoiceOver" \`
- `--button2text "Dismiss" \`
- `--button1text "Speak" \`
- `--button1shellaction "say macOS contains a built in screen reader call VoiceOver" \`
- `--icon "https://github.com/aanklewicz/PSU-2024-Managing-Macs-for-N00bs/blob/main/2024%20MacAdmins%20Logo-Circle-Blue.png?raw=true"`
-

Play time!

Install Swift Dialog (here's a link)



Take existing script

Add a colour somewhere

Change icon from a webhosted image to an SF Symbol

Add a checkbox

Be creative! Do something we didn't tell you to do.

Have a snack and meet someone new

- `#!/bin/zsh`
- `/usr/local/bin/dialog --title "Swift Dialog" \
--message "macOS contains a built in screen reader call VoiceOver" \
--button2text "Dismiss" \
--button1text "Speak" \
--button1shellaction "say macOS contains a built in screen reader call VoiceOver" \
--icon "https://github.com/aanklewicz/PSU-2024-Managing-Macs-for-N00bs/blob/main/2024%20MacAdmins%20Logo-Circle-Blue.png?raw=true"`
- `# Add a colour`
- `# Change Icon to SF Symbol`
- `# Add a checkbox`
- `# Be creative! Do something we didn't tell you to do`



MDM VENDORS

MDM Vendors





Q&A

Ask to hold questions until Q&A sections

Ask any topics they have at the beginning that we can make sure not to skip.

Expectations of knowledge coming into this... none.

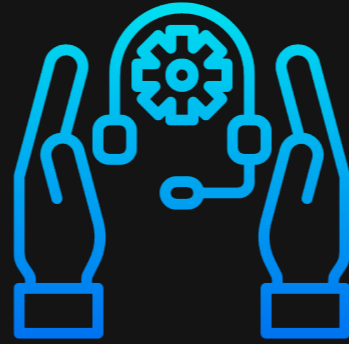


OH NO, I BROKE IT!

Documentation & Runbooks



Vendor Support



- don't be afraid to ask or support from a Vendor. After all, you are paying to use their tool(s).

MacAdmins Slack



<https://www.macadmins.org/>


Jamf Nation



Building relationships to facilitate learning.

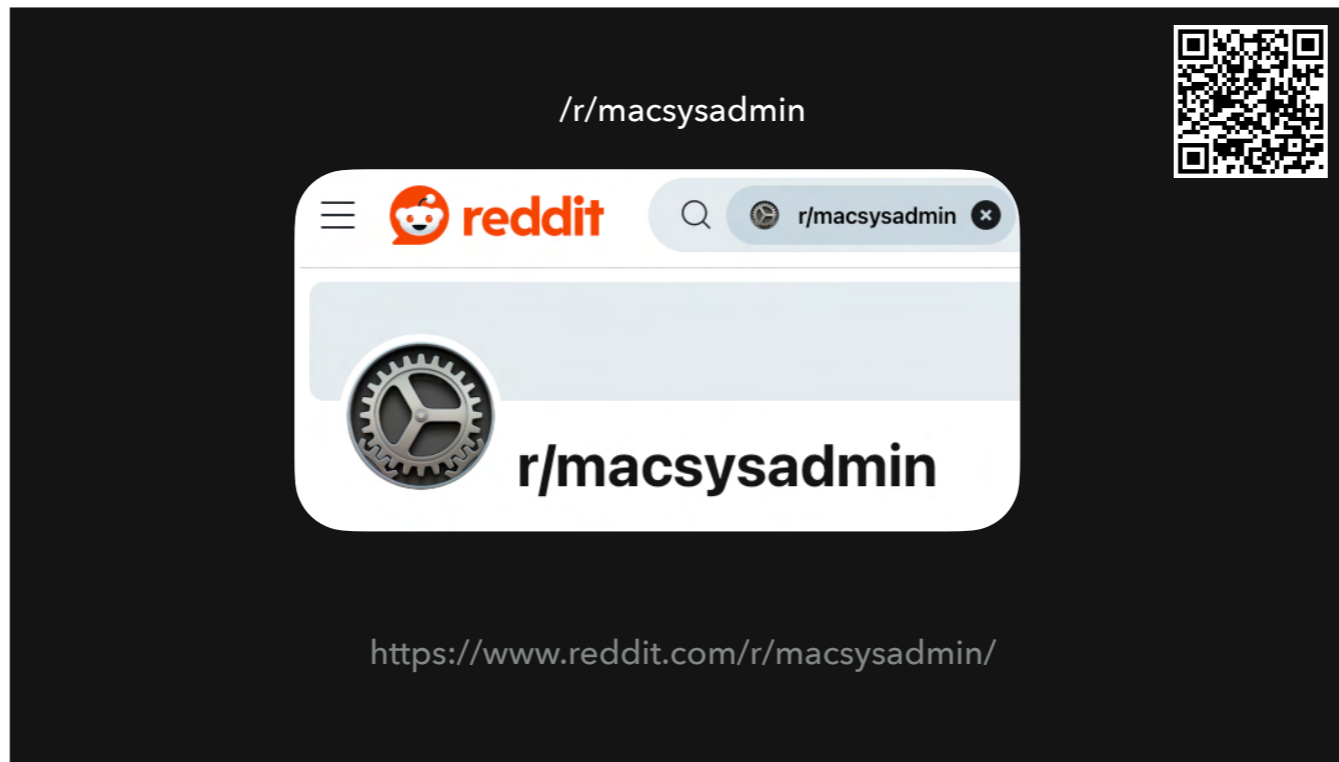
Thanks for joining us!

292K Posts | 7,752 Solutions

 Search all community

All community 

<https://community.jamf.com/>



- 38,000 redditors subscribed and growing
- Damien helps to moderate this subreddit

Apple Discussion Forums



<https://discussions.apple.com/welcome>

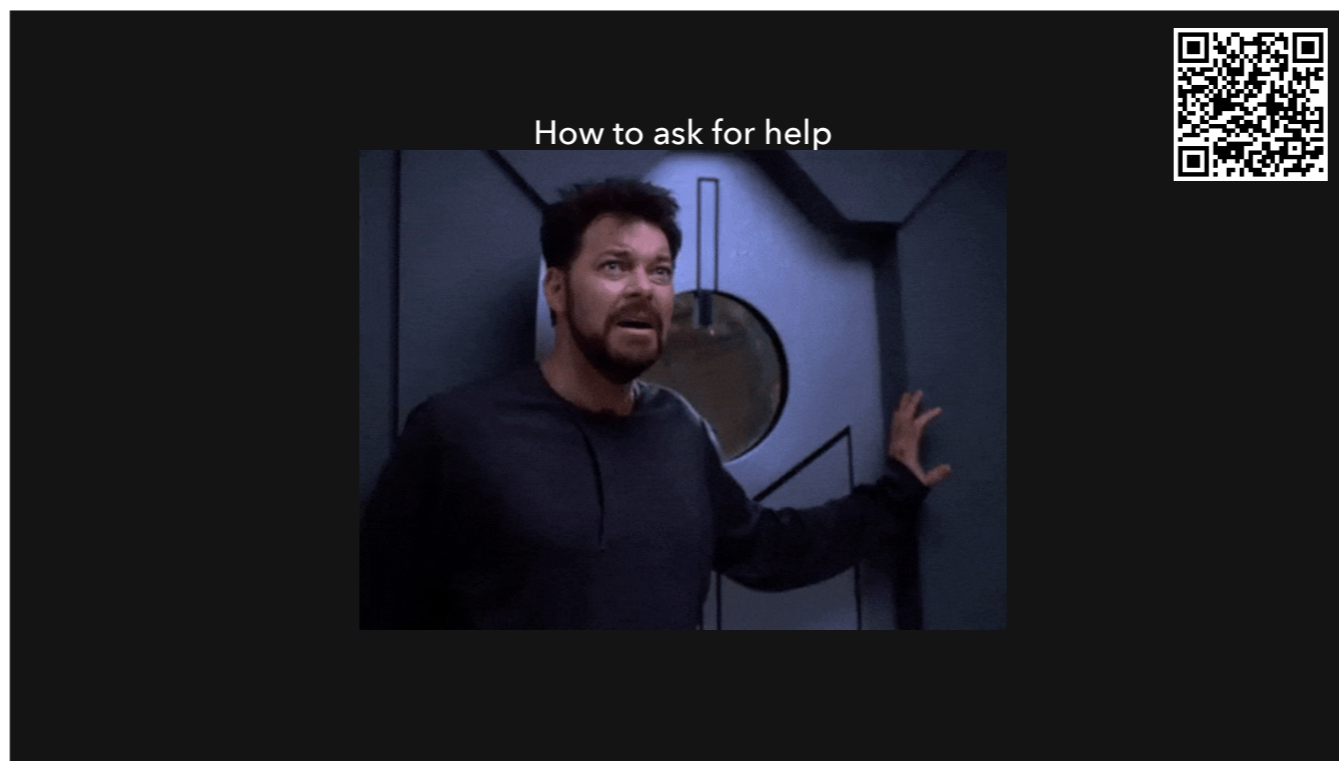
- noisy, and sometimes search results are from 15 years ago, but if you dig hard enough you can find some gems

Apple Enterprise Support



AppleCare for Enterprise

<https://www.apple.com/support/professional/enterprise/>



Have you tried the previous steps?

Have you rubber ducked?

Be clear, be concise

Don't ask to ask, just ask <https://dontasktoask.com/>

How To Ask For Help In Slack <https://thundergolfer.com/communication/slack/2021/02/24/how-to-ask-for-help-in-slack/>



Q&A

Ask to hold questions until Q&A sections

Ask any topics they have at the beginning that we can make sure not to skip.

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RESOURCES

Use Apple products on enterprise networks



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Use Apple products on enterprise networks

Learn which hosts and ports are required to use your Apple products on enterprise networks.

This article is intended for enterprise and education network administrators.

Apple products require access to the internet hosts in this article for a variety of services. Here's how your devices connect to hosts and work with proxies:

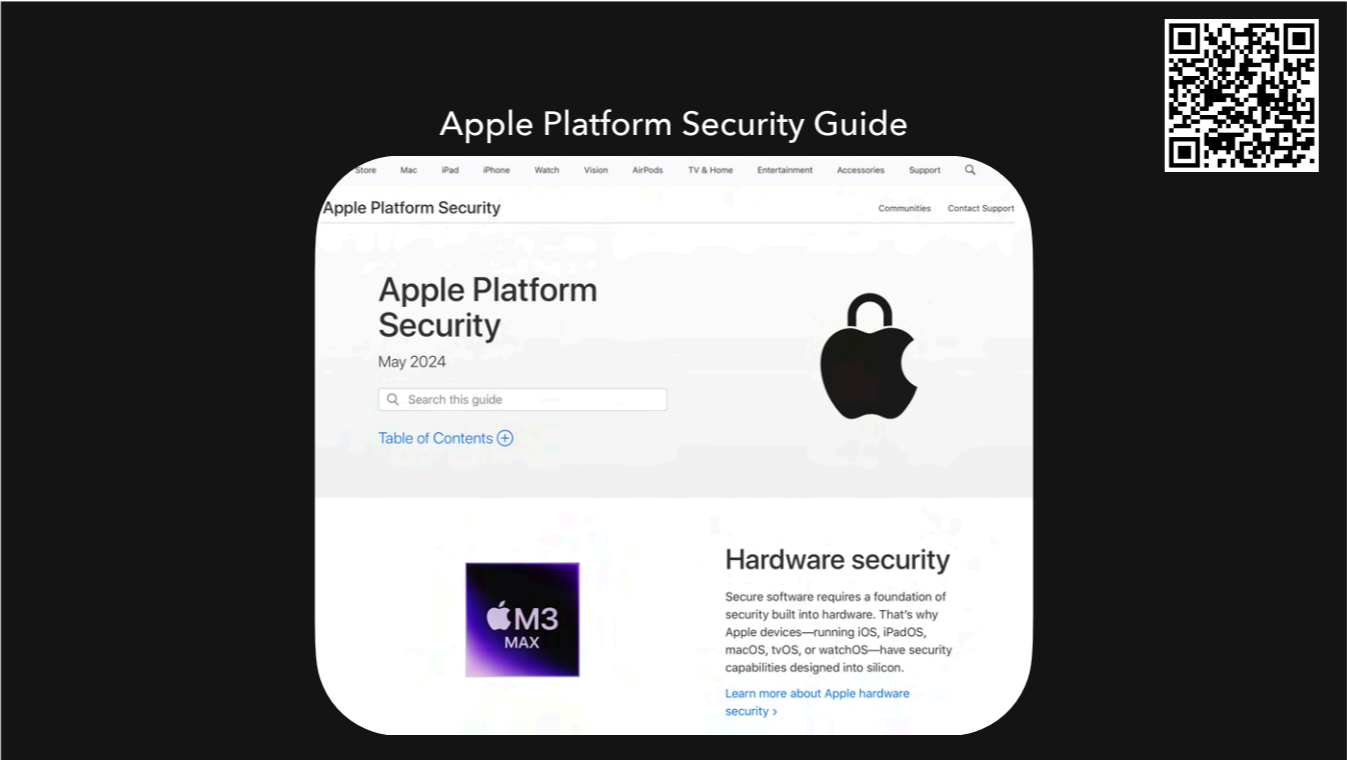
- Network connections to the hosts below are initiated by the device, not by hosts operated by Apple.
- Apple services will fail any connection that uses HTTPS Interception (SSL Inspection). If the HTTPS traffic traverses a web proxy, disable HTTPS Interception for the hosts listed in this article.

Make sure your Apple devices can access the hosts listed below.

Apple Push Notifications

Learn how to troubleshoot connecting to the [Apple Push Notification](#) service (APNs). For devices that send all traffic through an HTTP proxy, you can configure the proxy either manually on the device or with [Mobile Device Management \(MDM\)](#). Devices can connect to APNs when configured to use the HTTP proxy with a proxy auto-config (PAC) file.

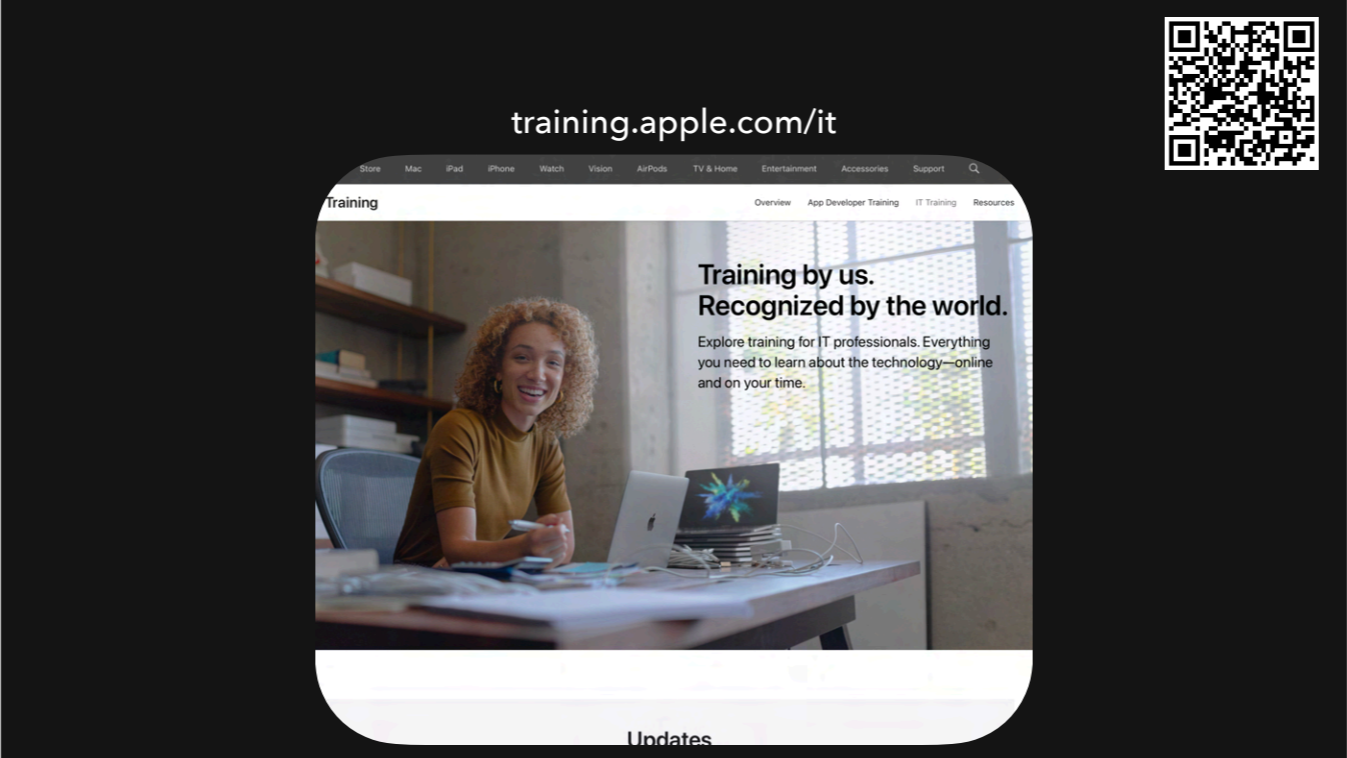
<https://support.apple.com/en-ca/101555>



<https://support.apple.com/en-ca/guide/security/welcome/web>

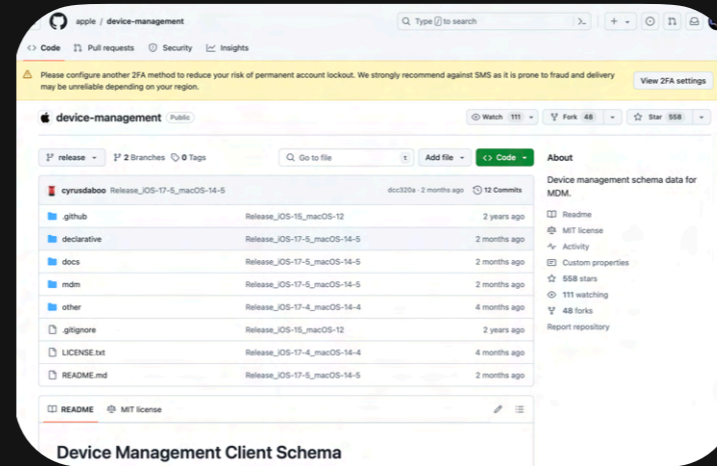


<https://support.apple.com/en-ca/guide/deployment/welcome/web>



<https://training.apple.com/it>

Apple Device Management Github



<https://github.com/apple/device-management>

Mac Admins Foundation Mentoring Program



<https://www.macadmins.org/news/new-mentorship-program>

Mac Admins Foundation



APPLE CERTIFICATION SCHOLARSHIP
COMMUNITY AND CONFERENCE GRANT

<https://www.macadmins.org/about-the-mac-admins-foundation>



<https://www.macadmins.org/>

- 66,000 Mac Admins signed up and growing
- incredible repository of solutions, tips, tricks, and collaborative troubleshooting from our community.



<http://derflounder.wordpress.com>

<http://macmule.com>

<http://scriptingosx.com>

<https://macadmins.news/>

<http://neverhadtofight.com>

<https://eclecticlight.co>

<https://www.alansiu.net>

<https://hammen.medium.com/>

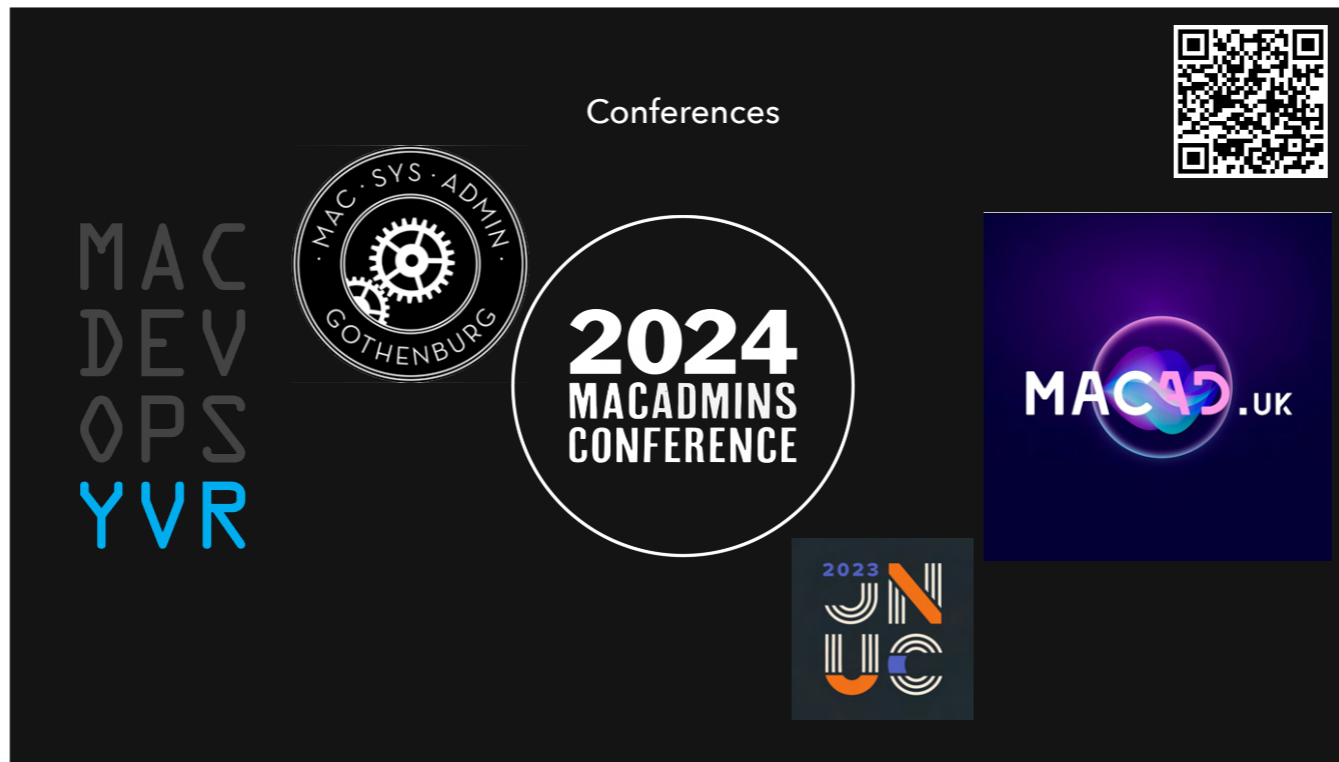
<https://maclabs.jazzace.ca/index.html>

<https://www.kevinmcox.com>

<https://www.happymac.blog>

<https://krypted.com/>

<https://objective-see.org/>



<https://macadmins.psu.edu/>

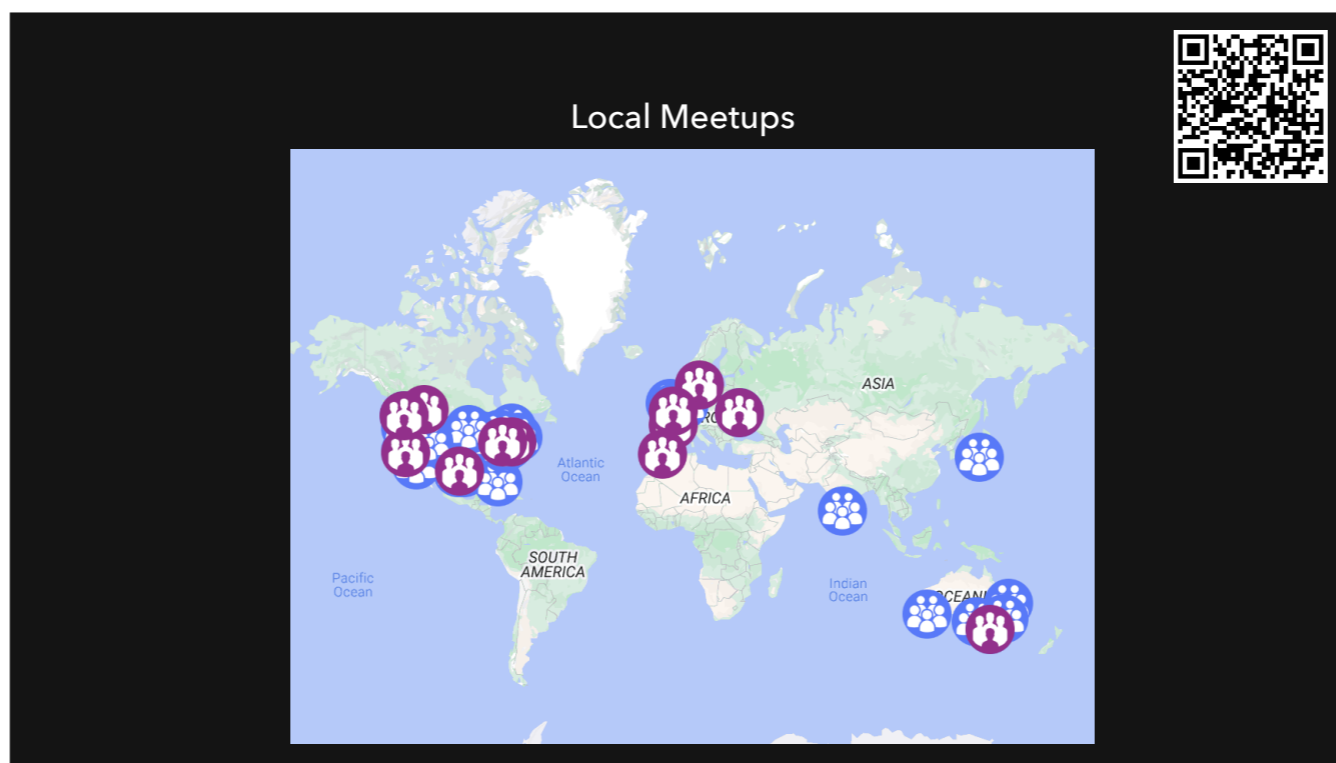
<https://mdoyvr.com/>

<https://auc.edu.au/xworld/about/>

<https://macsysadmin.se/>

<https://www.jamf.com/events/jamf-nation-user-conference/>

<https://macad.uk/>



#meetups

Google Map! https://www.google.com/maps/d/u/0/viewer?mid=1Ao_VrRMOPcg-8vVSpPgd-6yRyIOUUfk&ll=14.864701451325727,-106.80764550000004&z=2

<https://phillymacadmins.com>

<https://apple.lib.utah.edu/>

<https://www.macadmins.in/>

<https://www.meetup.com/apple-admins-adelaide/>

<https://www.austinappleadmins.org/>

<https://www.meetup.com/en-AU/Brisbane-Apple-Wranglers/>

Charlotte Apple Admins <https://www.meetup.com/mac-admins-of-the-carolinas/>

Chicagoland & Great Lakes Apple Admins <https://community.jamf.com/t5/chicagoland-great-lakes-mac/gh-p/chicago-great-lakes>

Dutch MacAdmins #thenetherlands + #amsterdam

Dallas Apple Admins <https://dallasappleadmins.org/>

East Midlands Apple Admins <http://eastmidsappleadmins.org.uk/>

Four Corners and The Silver State <https://community.jamf.com/t5/four-corners-and-the-silver/gh-p/FourCornersandTheSilverState>

Greater Pittsburgh Mac Admins <https://community.jamf.com/t5/greater-pittsburgh-mac-admins/gh-p/pittsburgh>

Houston Apple Admins <https://houstonappleadmins.org/>

Montreal Mac Admins: #montreal

London Apple Admins <https://londonappleadmins.org.uk/>

Los Angeles Mac Admins <https://community.jamf.com/t5/los-angeles-mac-admins/gh-p/LosAngelesMacAdmins>

Mac Admins Florida <https://www.eventbrite.com/o/mac-admins-florida-67669754513>

Mac Admins Ukraine <https://www.meetup.com/macadminsua/>

MacBrained SF <https://macbrained.org/>

MacAdmin Monthly <https://www.macadminmonthly.org/>

MacDMV <https://www.macdmv.com/>

Melbourne Apple Admins <https://melbourneappleadmins.com/>

Milwaukee Mac Administrators User Group <https://www.meetup.com/milwaukee-mac-administrators-user-group/>

New England Mac Admins <https://community.jamf.com/t5/new-england-mac-admins/gh-p/NewEnglandMacAdmins>

New York City Jamf User Group <https://community.jamf.com/t5/new-york-city-jamf-user-group/gh-p/NewYorkCityJamfUserGroup>

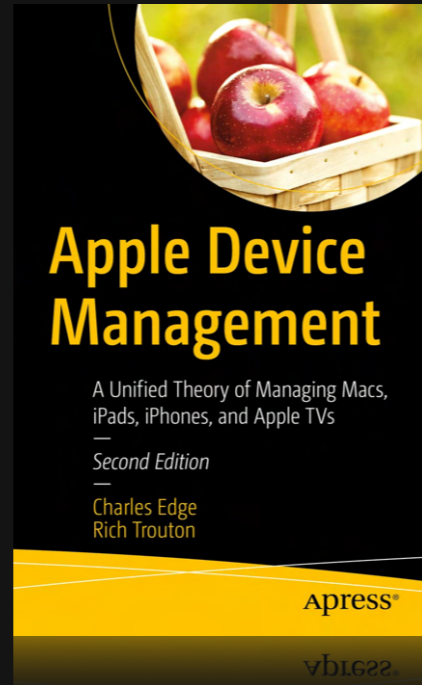
Perth Apple Admins <https://www.eventbrite.com.au/o/perth-apple-admins-6732777313>

San Antonio Mac Admins <https://www.samacadmins.com/>

San Diego Mac Admins <https://community.jamf.com/t5/san-diego-mac-admins/gh-p/san-diego>

Sydney Mac Admins <https://sydneymacadmins.com/Mac>

Twin Cities Mac Admins <https://community.jamf.com/t5/twin-cities-mac-admins/gh-p/TwinCitiesMacAdmins>



Apple Device Management

A Unified Theory of Managing Macs,
iPads, iPhones, and Apple TVs

—
Second Edition

—
Charles Edge
Rich Trouton

Apress®

Apress®

<https://www.amazon.com/Apple-Device-Management-Unified-Managing/dp/1484291557>



Q&A

Ask to hold questions until Q&A sections

Ask any topics they have at the beginning that we can make sure not to skip.

Expectations of knowledge coming into this... none.

Play time!



Create a configuration profile for Munki

Set ClientIdentifier to "Clarus"

Turn off "Install Apple Software Updates"

Set SoftwareRepoURL to "https://moof.com/repo"

AirDrop the profile to this computer, "Mr. Mustard"

Play time!



Create a package

Install an image of your choice to `/usr/local/PSU/`

Set permissions:

Owner (you) can read and write

Group can read and write

Everyone else can read only

Run a script which will write "install success" to a file in the same folder

AirDrop the package to this computer, "Mr. Mustard"

Play time!

Write a script



Using Swift Dialog, ask user if they want the Dock on the left, right or centre

Move dock to desired location and restart Dock

Play time!

Pair off



Put one of your two computers into DFU

Hint: Use an Apple original USB C cable



<https://support.apple.com/en-us/108900>



Gretchen Kuwahara 🐱 28 minutes ago NEW

Add a "feedback slide" to encourage people to give feedback on your excellent session

👍 1 🗨️

1 reply

Gretchen Kuwahara 🐱 2 minutes ago

Because I get sad when I send you the feedback we received and there is less than 5 responses... and I get 💔 when there is none.

QR is feedback link https://docs.google.com/forms/d/e/1FAIpQLSfMqvFUS9q7Ur9tCCk4tHLZ4gxJerHoP9zX7YRAGdO_csgFZA/viewform

**2024
MACADMINS
CONFERENCE**



THANK YOU

QR is feedback link https://docs.google.com/forms/d/e/1FAIpQLSfMqvFUS9q7Ur9tCCk4tHLZ4gxJerHoP9zX7YRAGdO_csgFZA/viewform