Mastering Macs with Microsoft Intune



Sam Gibbs
Apple Client Platform Engineer



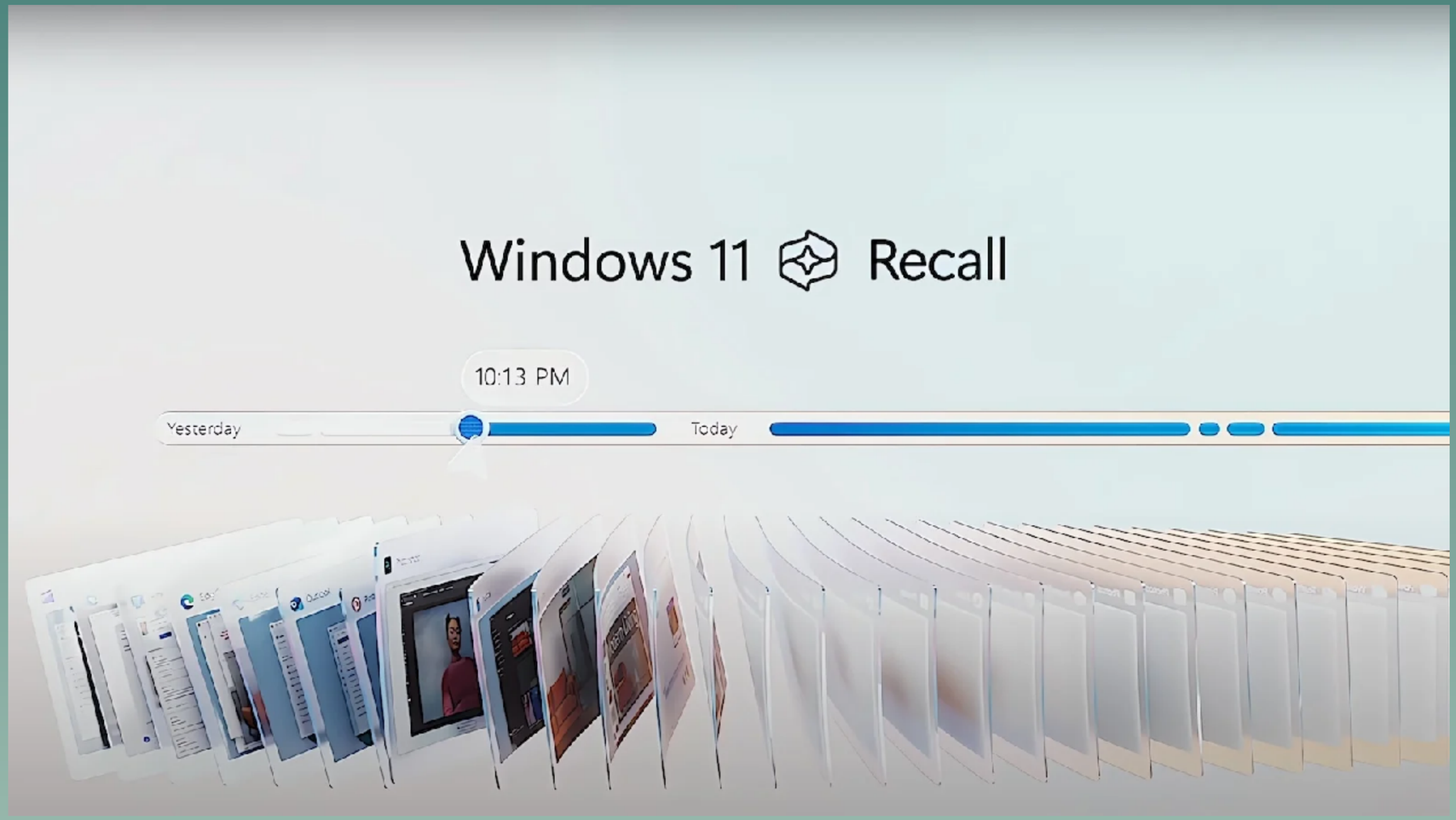
Andrew Myers
Apple Client Platform Engineer



Alectrona

Recap

Recall



Recall



Recall



- Microsoft Intune is quickly growing to become the MDM of choice for Macs in Enterprise

Recall



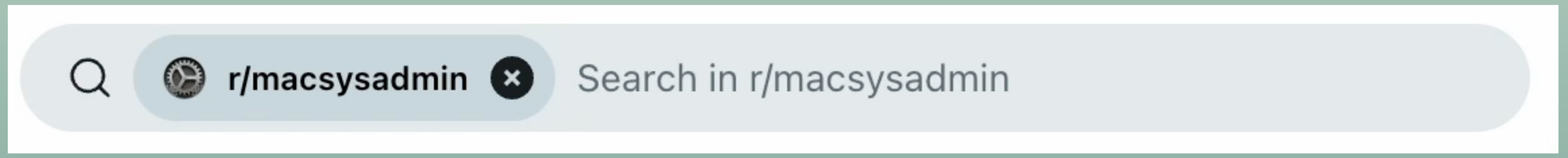
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- The Basics of Intune - the good, bad, and the…good to know

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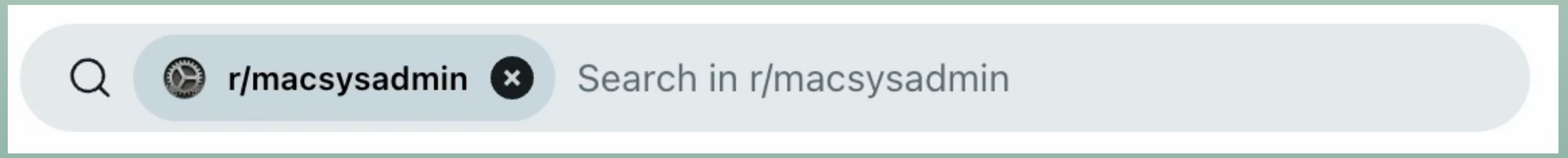


- Microsoft Intune is quickly growing to become the MDM of choice for Macs in Enterprise
- The Basics of Intune - the good, bad, and the…good to know
- Enrollment experiences, app installation options, and 3rd party tools that help fill in the gaps

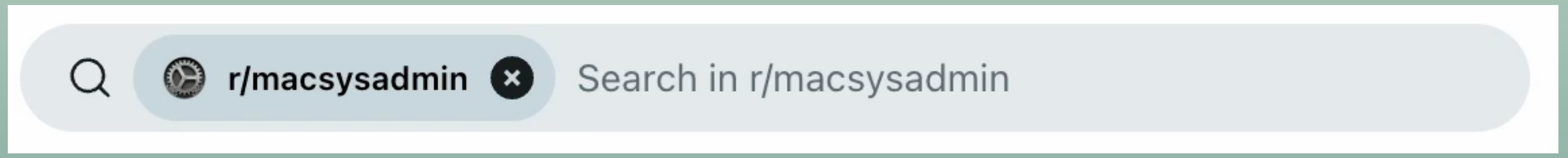
People wonder...



People wonder...



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r/macsysadmin · 13d ago
Intune for Apple device management?
12 votes · 29 comments

r/macsysadmin · 2mo ago
Intune vs Mosyle
11 votes · 29 comments

r/macsysadmin · 2mo ago
r/jamf · 2mo ago
Is your organization trying to migrate your Macs to Intune?
41 votes · 70 comments
9 votes · 38 comments

r/macsysadmin · 1y ago
Has intune improved?
11 votes · 36 comments

r/macsysadmin · 3mo ago
What can Jamf Pro do that Intune really can't?
45 votes · 52 comments

r/macsysadmin · 5mo ago
SimpleMDM to Intune
3 votes · 2 comments

r/macsysadmin · 9mo ago
r/Intune · 9mo ago
Finally good enough for Mac management?
38 votes · 38 comments
5 votes · 15 comments

r/macsysadmin · 1y ago
MS Intune as MDM
10 votes · 29 comments

r/macsysadmin · 4mo ago
Has Anyone Switched from Jamf Pro to MS Intune, Only to Switch Back?
45 votes · 35 comments

Where Intune was

Intune Capabilities

Endpoint Security
- Firewall
- FileVault (Disk Encryption)
- Gatekeeper
- Activation Lock
- Software update policies
- Local Account Management (H2)

Conditional Access
- Device Compliance
- JIT compliance remediation
- Custom Compliance (H2)

Enrollment
- ADE with Modern Authentication
- Await config (H2)
- Enrollment SSO
- Enrollment Time Grouping (H2)
- Platform SSO (H2)

Configuration
- AAD Single Sign-on Extension
- LDAP (AD)
- Restrictions policies
- Custom Policy support (iMazing, AC)
- Passcode policies
- Software update settings
- Enterprise Certificates / PKI
- Network configuration / Proxy server
- Login Window
- Managed Login Items
- Content Caching
- Settings Catalog (99% complete)
- Device Actions (Erase, Restart, etc.)
- Declarative Device Management

- Released 2024
- In Development

Apps
- DMG, PKG management
- VPP and Store app management
- Native integrations for Edge, Office and
- Defender
- Config for Edge, Office, Defender and OneDrive
- Custom Preference
- Pre- and post-install scripts

Scripting
- User / Root scripts with schedules
- Can use any interpreter (Bash, ZSH, Python etc.)
- Custom attribute collection using scripts

3rd Party Integration
- Munki integration (App Lifecycle)
- Privileges (Elevation control)
- Santa (Binary Access control)
- Octory (Onboarding splash screen)
- Nudge (OS Update Controls)
- Escrow Buddy (FileVault)

Source:https://youtu.be/YV0u6gLbKrE?feature=shared

Where Intune is

Intune Capabilities

Endpoint Security
- Firewall
- FileVault (Disk Encryption)
- Gatekeeper
- Activation Lock
- Rapid Security Response
- Managed Device Attestation

Conditional Access
- Device Compliance

Enrollment
- ADE with Modern Authentication
- Await Final Config
- Local Account Management
- Platform SSO and passkeys
- Device clean up rules

Configuration
- Entra Single Sign-on Extension
- LDAP (AD)
- Restrictions policies
- Custom Policy support (iMazing)
- Passcode policies
- Software update
- Enterprise Certificates/PKI
- Network configuration
- Login Window
- Managed Login Items
- User channel support for user certs
- Settings picker
- Device Actions (Erase, Restart, etc.)
- DDM payloads
- FileVault during Setup Assistant
- Changed based check-in
- Enhanced device inventory

  - New in last 12 months
  - In Development

Apps
- DMG and Custom PKG
- Custom PKG pre/post install scripts
- Native integrations for Edge, Office and
- Defender
- Config for Edge, Office, Defender and OneDrive
- Custom Preference
- Volume-Purchase apps
- On demand custom PKG/DMG

Scripting
- User / Root scripts with schedules
- Custom attribute collection using scripts
- Increase size to 2MB

3rd Party Integration
- Munki (App Lifecycle)
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- Santa (Binary Access control)
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- Nudge (OS Update Controls)

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Where Intune is going

Intune Capabilities

Endpoint Security
- LAPS

Enrollment
- Recovery Lock Management

Configuration
- Support for visionOS & tvOS
- Resource Improvement
  - Inventory w/ Actionable Options

Apps
- Custom PKG Script Detection

Source:https://youtu.be/YV0u6gLbKrE?feature=shared

Speed

At Enrollment
every 15 minutes for 1 hour after enrollment

Anytime After
around every 8 hours

“Force”
Company Portal or Intune Console options



Speed II


FROM THE DIRECTOR OF "SPEED" AND "TWISTER"
RUSH HOUR HITS THE WATER
SANDRA BULLOCK JASON PATRIC
SPEED 2
CRUISE CONTROL
www.speed2-cruisecontrol.com

Speed II

Four new events trigger an MDM check-in on the Mac:

- Assignment changes on configuration profiles
- Configuration profile payload changes
- Entra group membership changes
- VPP App Store app version updates



What Intune does well

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Tight integration with M365 ecosystem:

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- Built-in IDP integration with Entra



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- Easy deployment of Microsoft apps (Office, Edge, Defender)





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Tight integration with M365 ecosystem:

- Built-in IDP integration with Entra
- Easy deployment of Microsoft apps (Office, Edge, Defender)
- Security and compliance built-in and integration with Microsoft Defender
- App protection policies & Conditional Access integration









What Intune does well

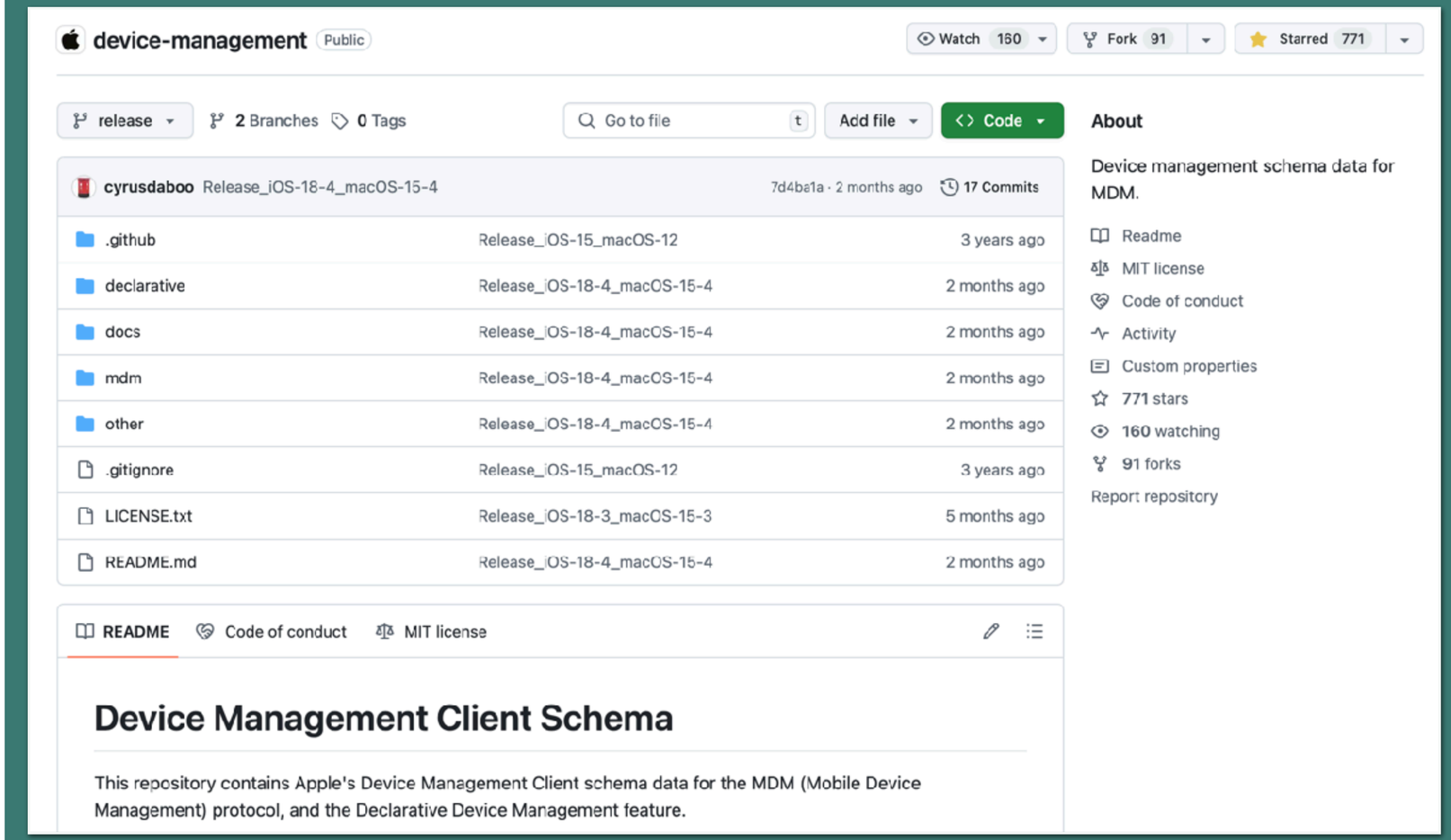
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Configuration Profiles

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- Workflow to sync with Apple's Github repo



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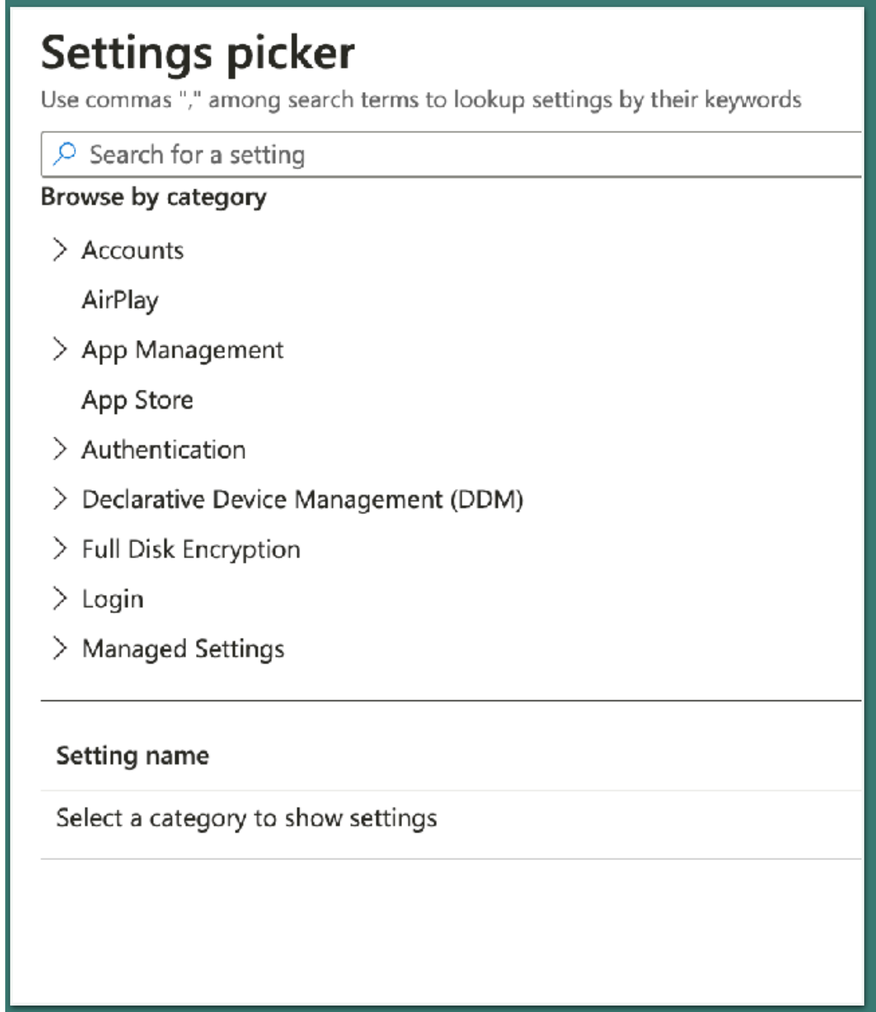
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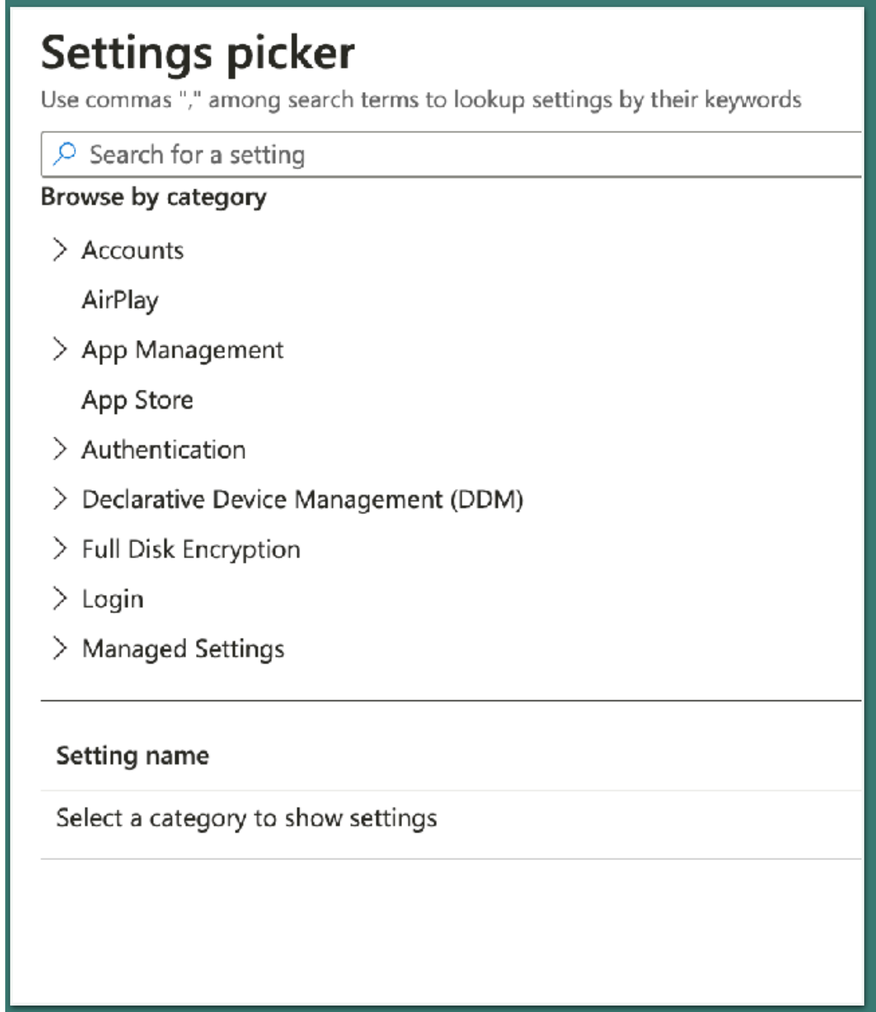
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- Settings Catalog with keys that are easy to toggle on/off

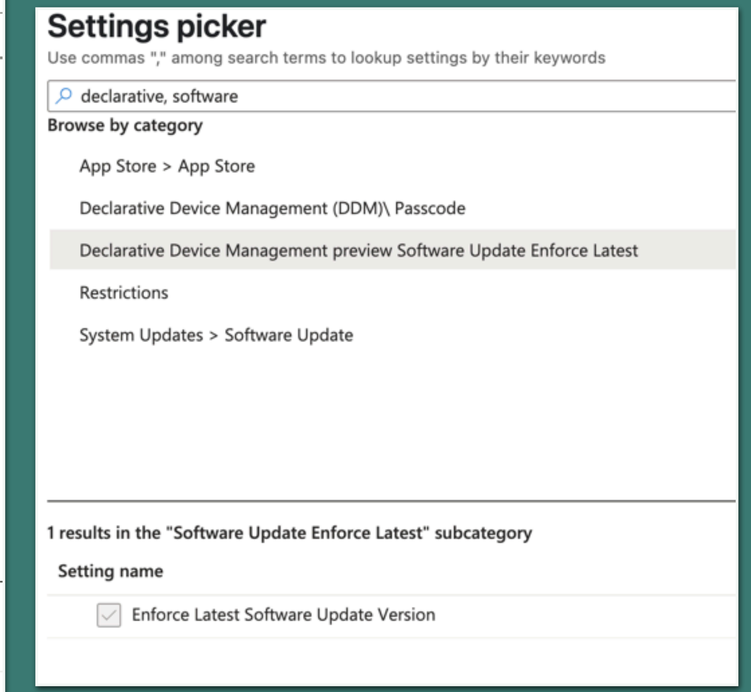


What Intune does well

Configuration Profiles

- Workflow to sync with Apple's Github repo
- Settings Catalog with keys that are easy to toggle on/off
- DDM based settings alongside traditional MDM

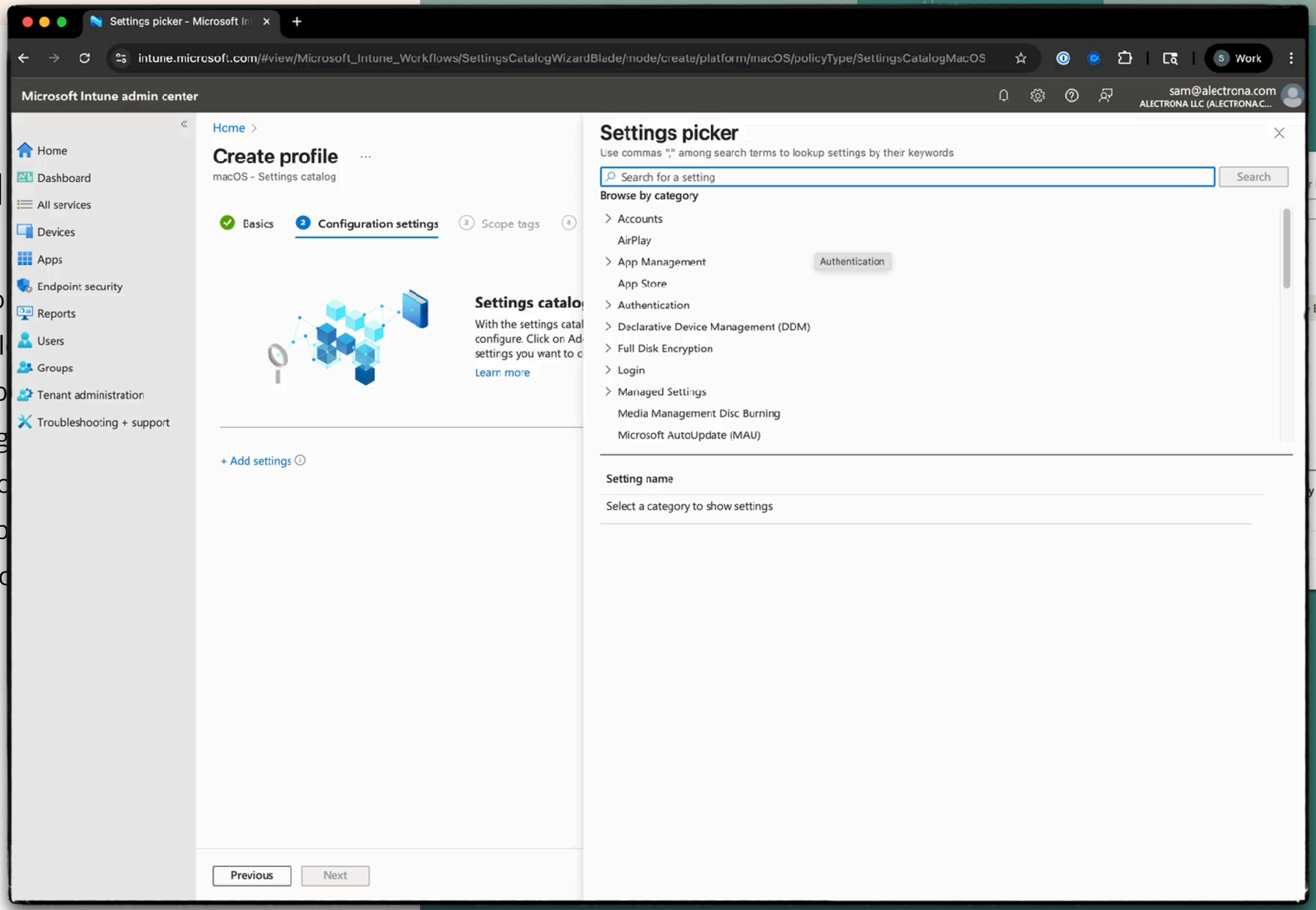




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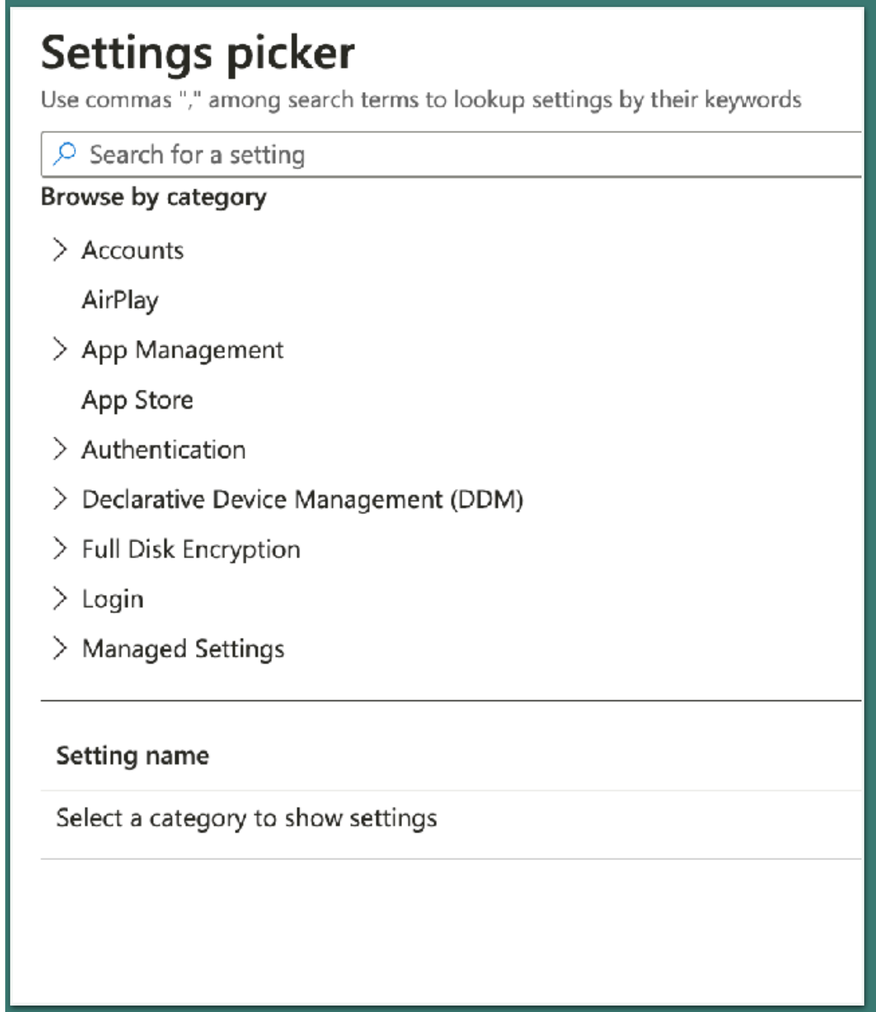
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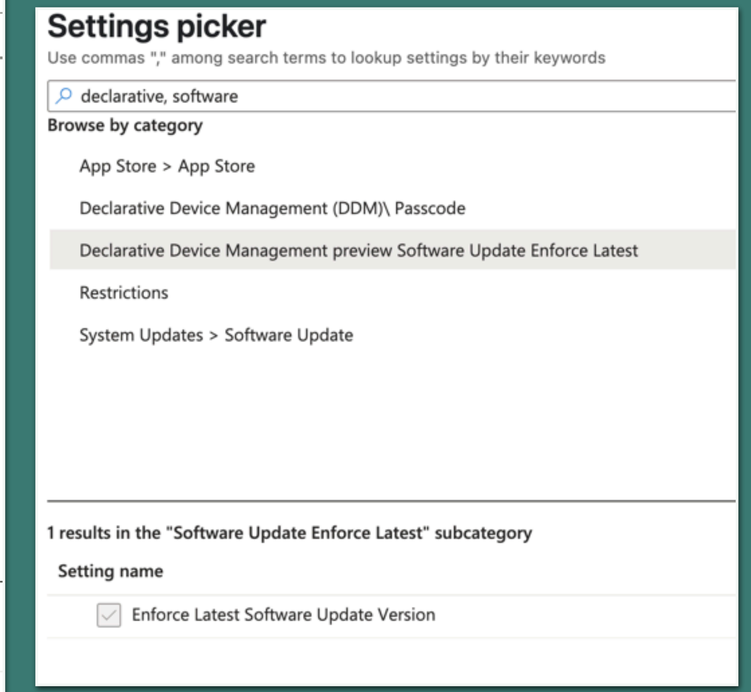


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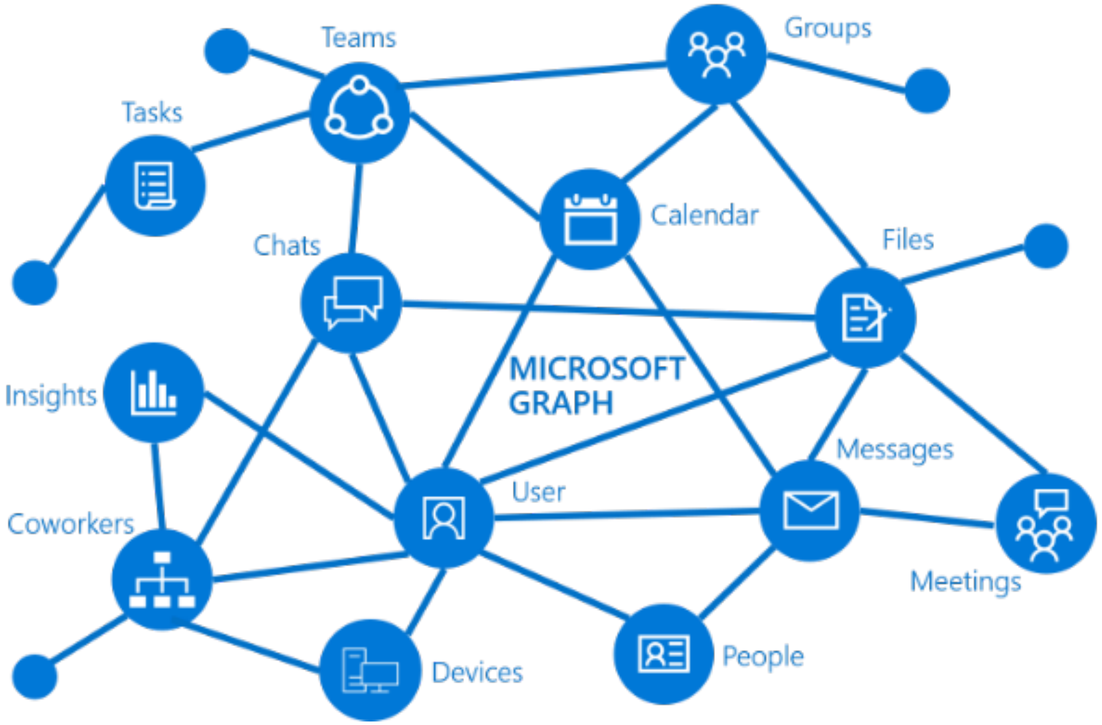
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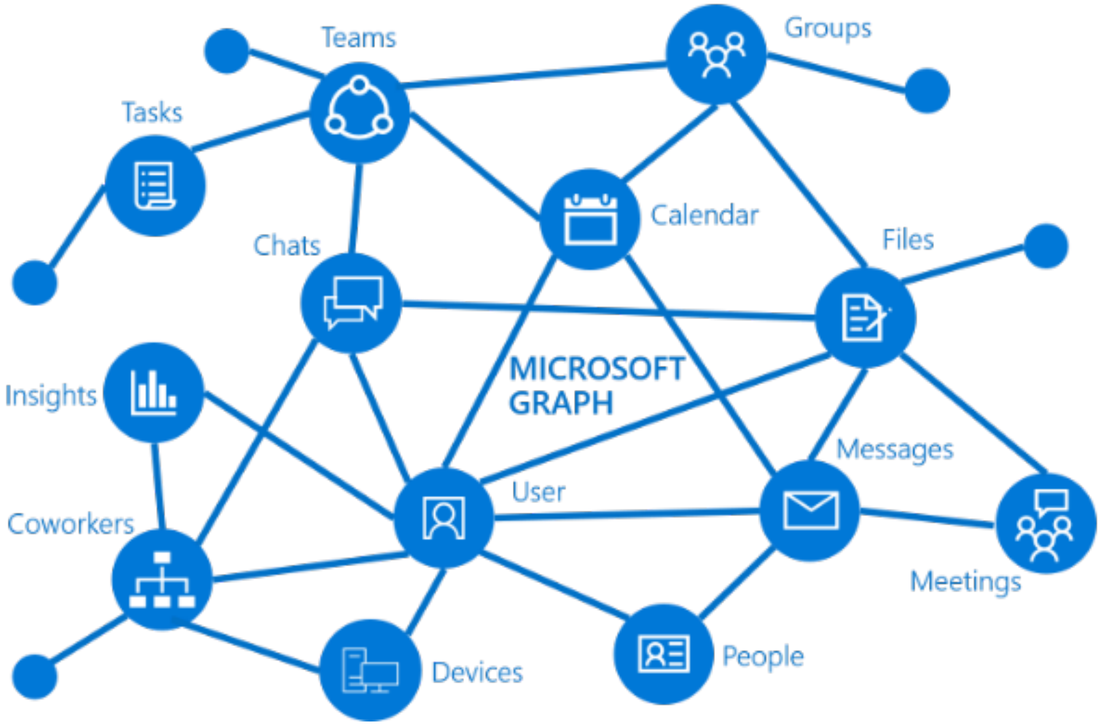
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What Intune does well

Microsoft Graph API

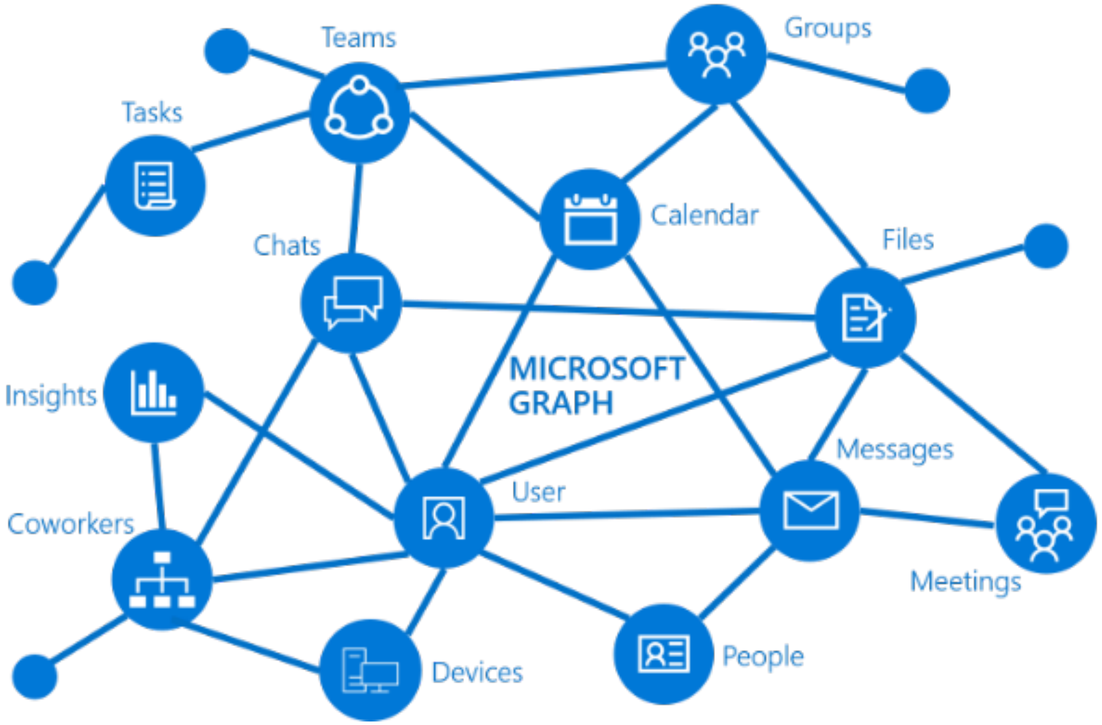
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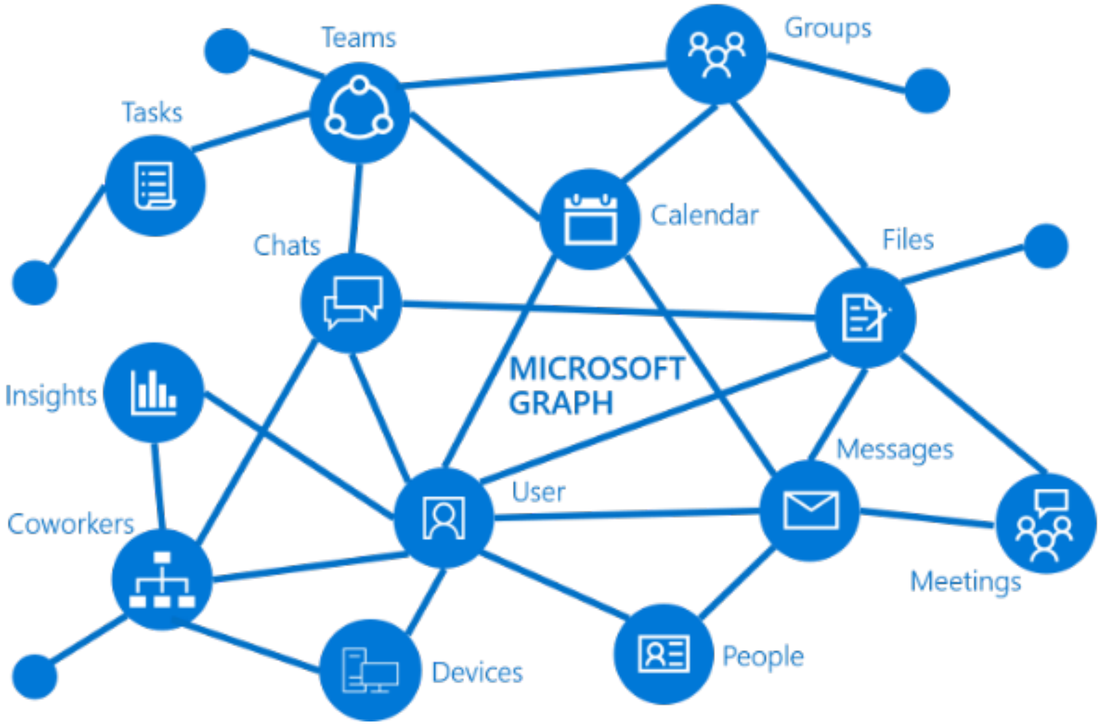
- RESTful web API that enables you to access Microsoft Cloud service resources
- https://github.com/microsoft/mggraph-intune-samples
  - Retrieve and create config profiles, scripts, filters, etc.
  - Upload packages
  - Get token status and alerts
  - Create reports



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- So many community tools built using Graph API
  - IntuneCD
  - Intuneomator





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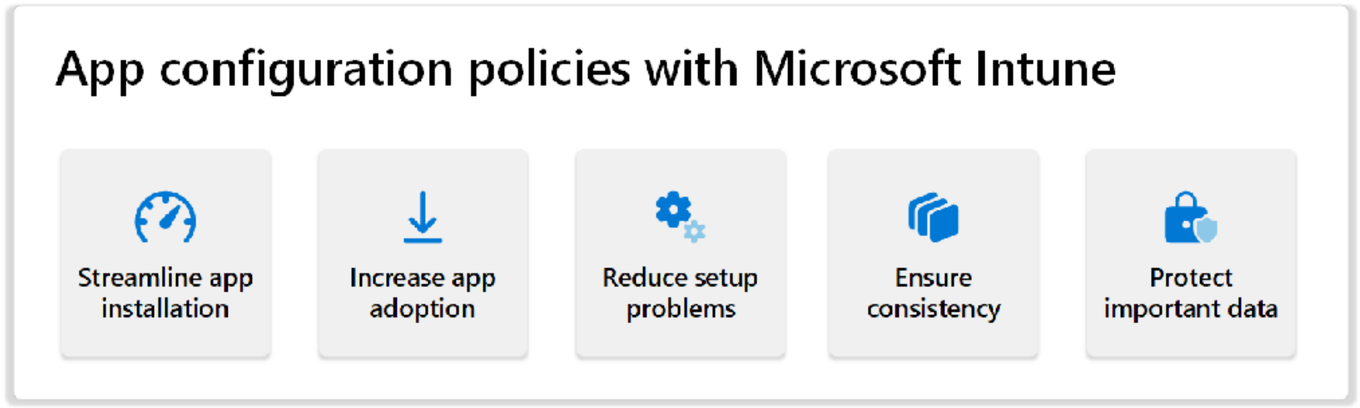
BYOD + MAM



What Intune does well

BYOD + MAM

- BYOD enrollment experience is the same regardless of type of device

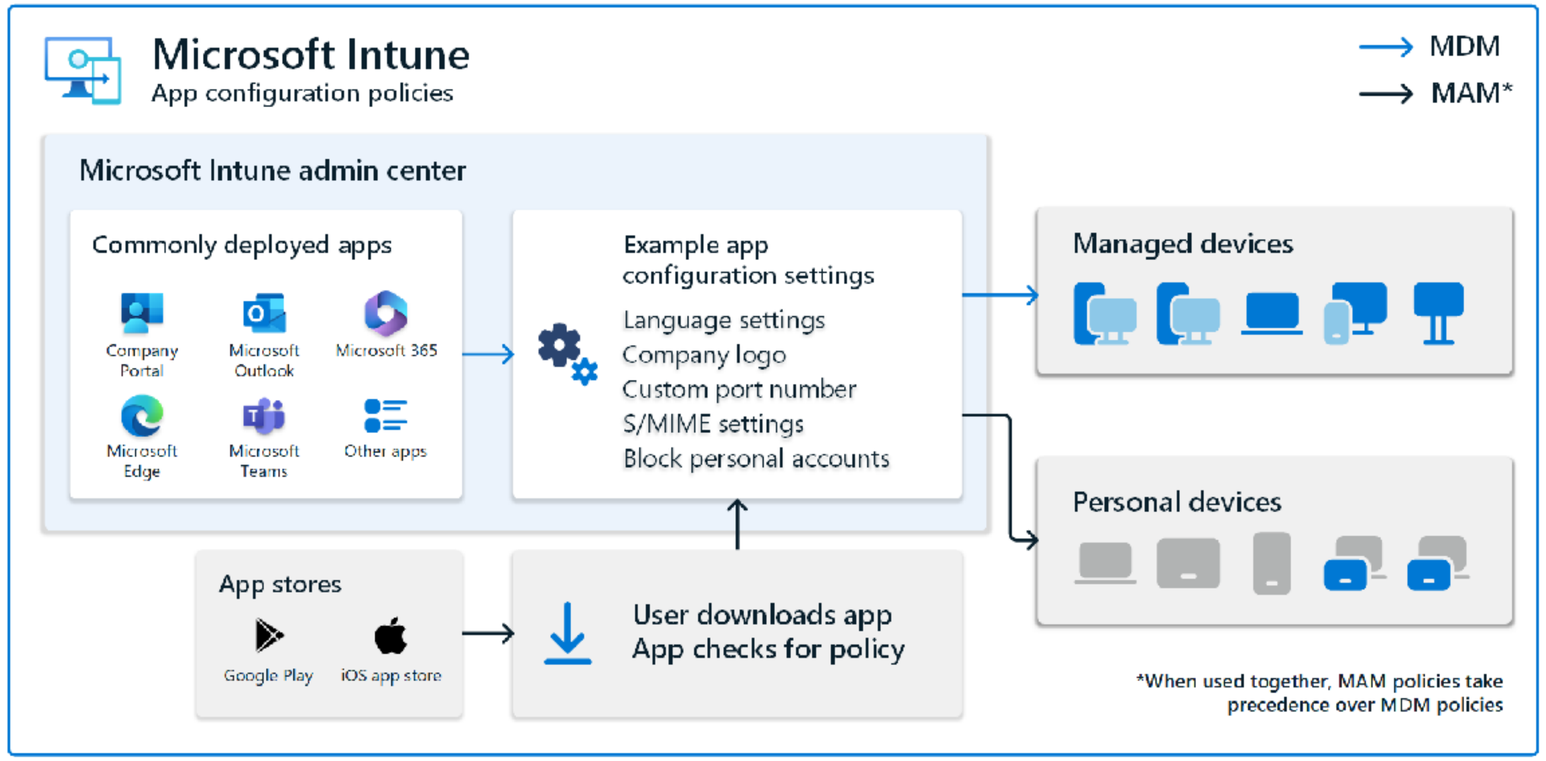


What Intune does well

BYOD + MAM

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- MAM (Mobile Application Management) and APP (App Protection Policies) frameworks make it straightforward to manage non-corporate devices and control access to corporate resources

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BYOD + MAM

- BYOD enrollment experience is the same regardless of type of device
- MAM (Mobile Application Management) and APP (App Protection Policies) frameworks make it straightforward to manage non-corporate devices and control access to corporate resources
- Combined experience allows you to have same controls across all devices

What Intune does well



What Intune does well

Small, but important things:

- Access to Recovery Key lookups from the web or their mobile device



What Intune does well

Small, but important things:

- Access to Recovery Key lookups from the web or their mobile device
- Remote Help
  - Requires additional license (can trial first)
  - Web based or app based connections; managed and unmanaged access
  - Demo available: https://regale.cloud/microsoft/play/1746/remote-help#/0/0



What Intune does well

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Big, but for VIPs:

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Big, but for VIPs:

- One ~~ring~~ pane of glass to rule them all



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  - Unified platform for Windows, iOS, Android, macOS…tvOS, visionOS soon



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  - Some changes can require multiple approvals to complete

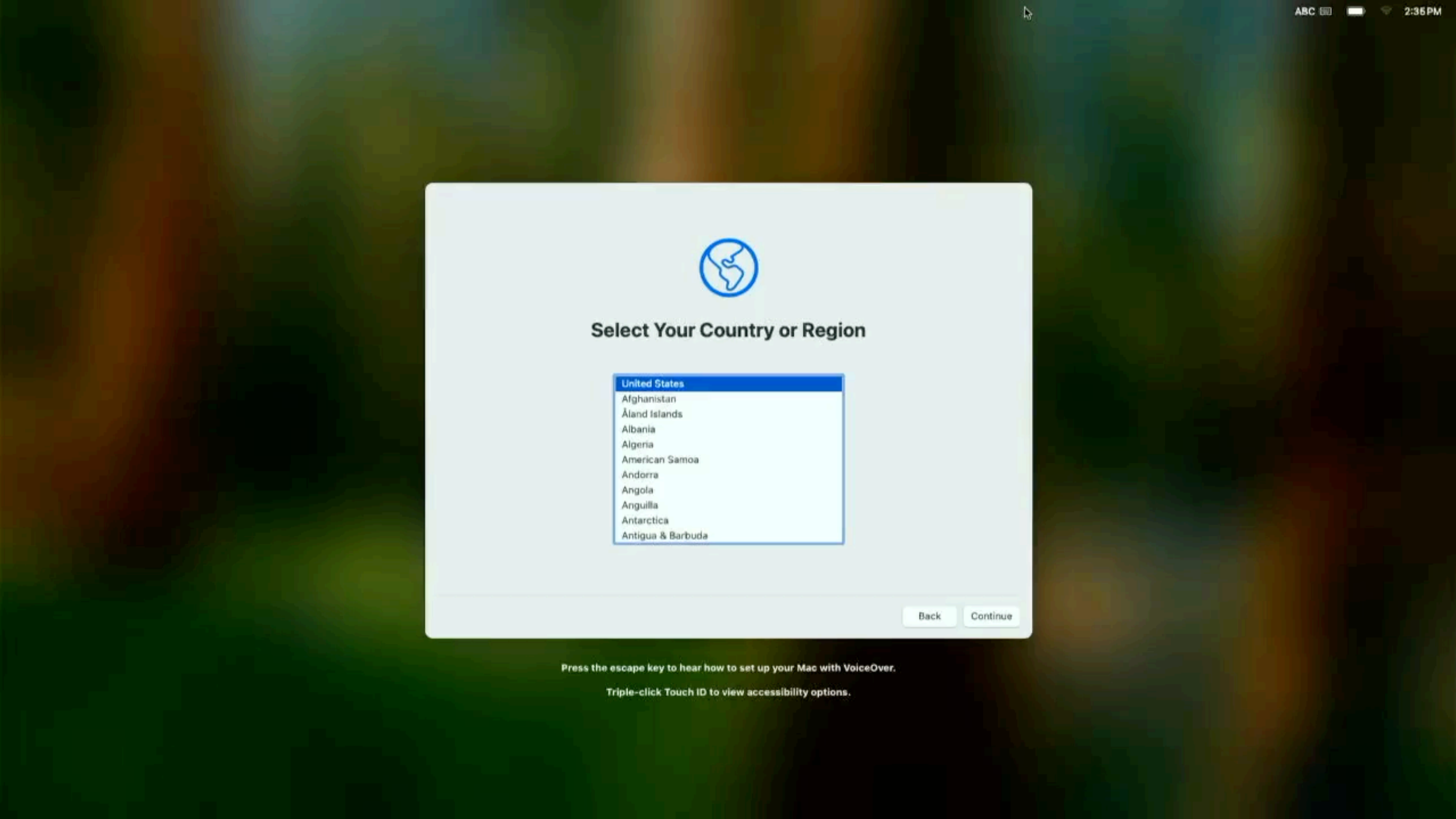


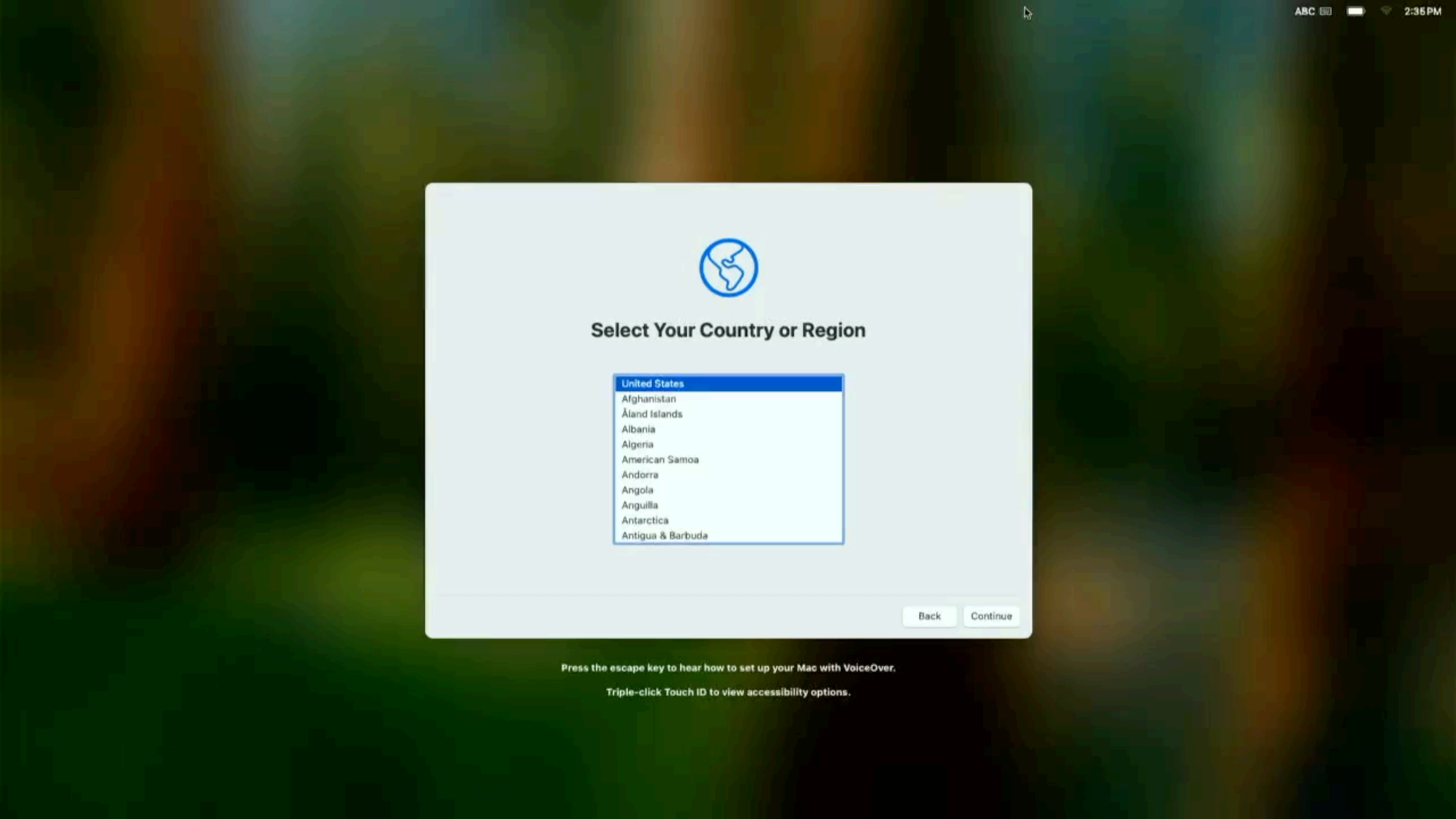
What Intune needs help with

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Enrollment
App Management
  App Restrictions
Reporting

Enrollment


ABC
2:35 PM
Select Your Country or Region
United States
Afghanistan
Åland Islands
Albania
Algeria
American Samoa
Andorra
Angola
Anguilla
Antarctica
Antigua & Barbuda
Back
Continue
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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A good enrollment experience needs…

- [ ] A guided onboarding experience
- [ ] Apps Ready to Use
- [ ] SSO with cloud services
- [ ] Dock pre-configured
- [ ] Unwanted apps blocked
- [ ] Can elevate to admin
- [ ] A self service portal
- [ ] All the things you don’t see!

U.S. 9:51 AM

Create a Mac Account

The password you create here will be used to log in to this Mac.

Full name: Sam Gibbs

Account name: sam

This will be the name of your home folder.

Password: ••••••••••

••••••••••

Hint: optional

Creating account...

Back Continue

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Creating account...

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Install Methods

- Alectrona Patch
- Script
- Built In Installer
- LOB (Line of Business)



Configuring your Mac

Google Chrome	Installed
Microsoft Defender	Installed
Microsoft Edge	Installed
Microsoft Excel	Installed
Microsoft OneNote	Installed
Microsoft Outlook	Installed
Microsoft PowerPoint	Installed
Microsoft Word	Installed
OneDrive	Installed

Applications installing...time elapsed: 8m:21s

Close

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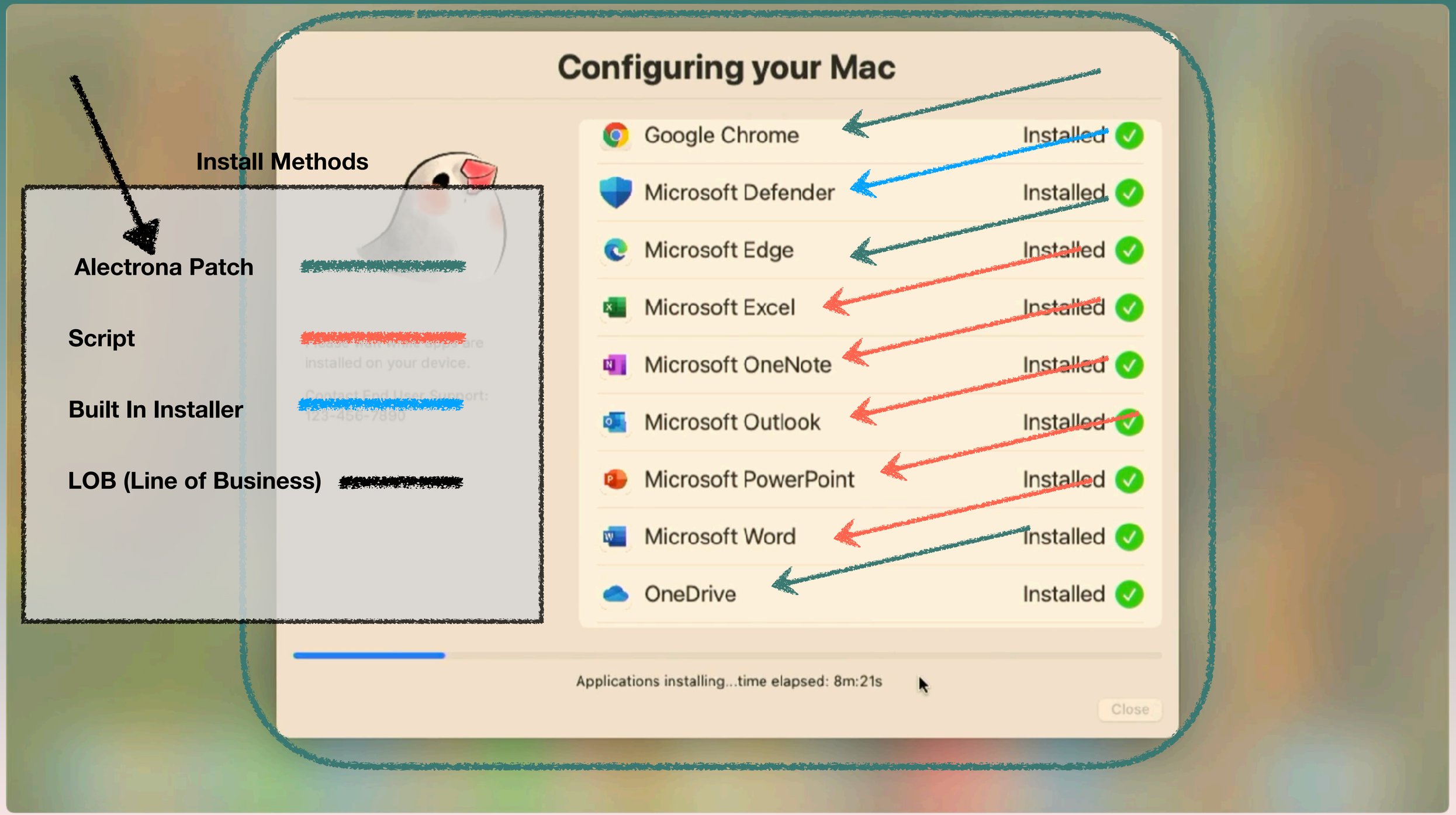


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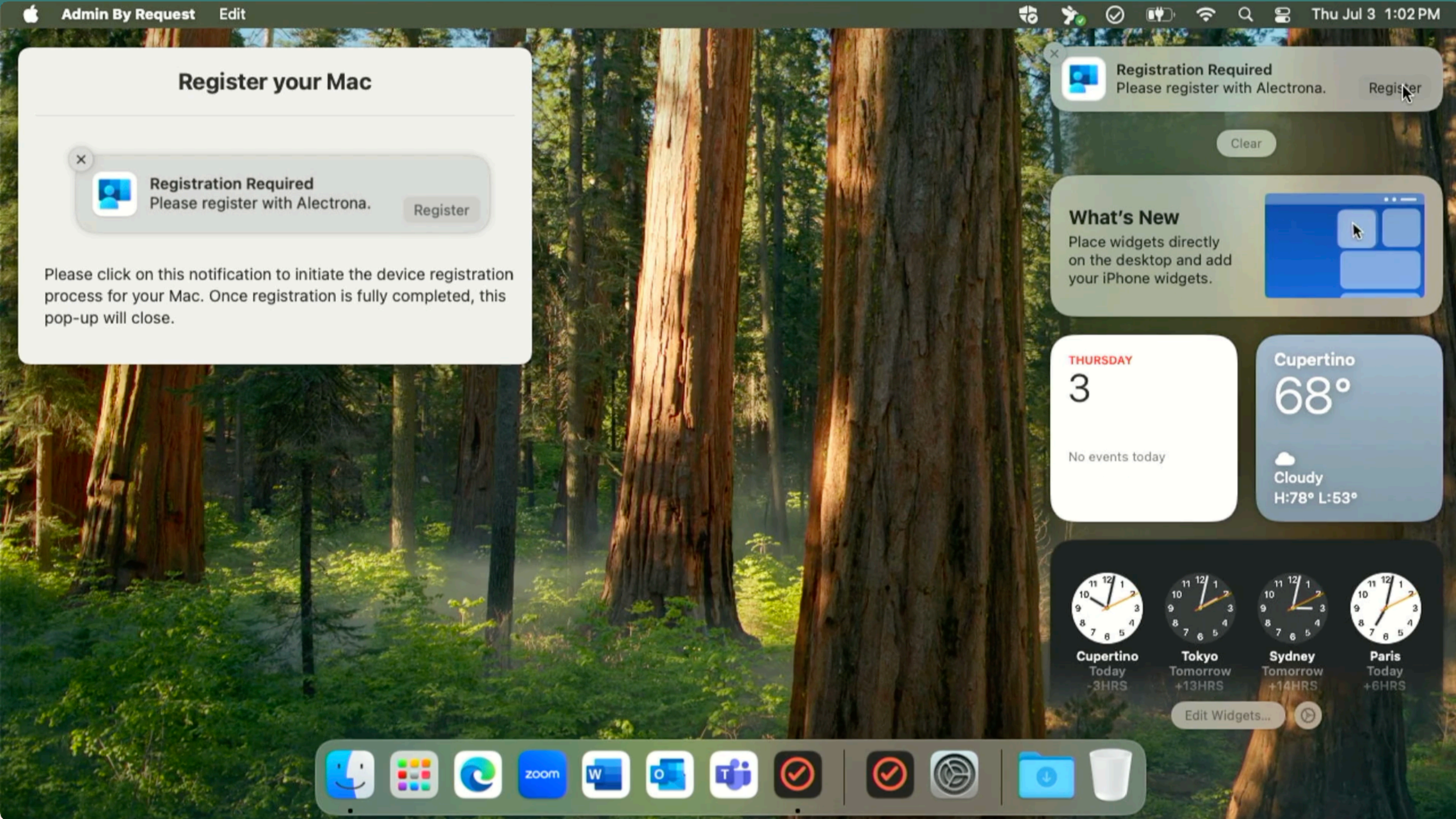
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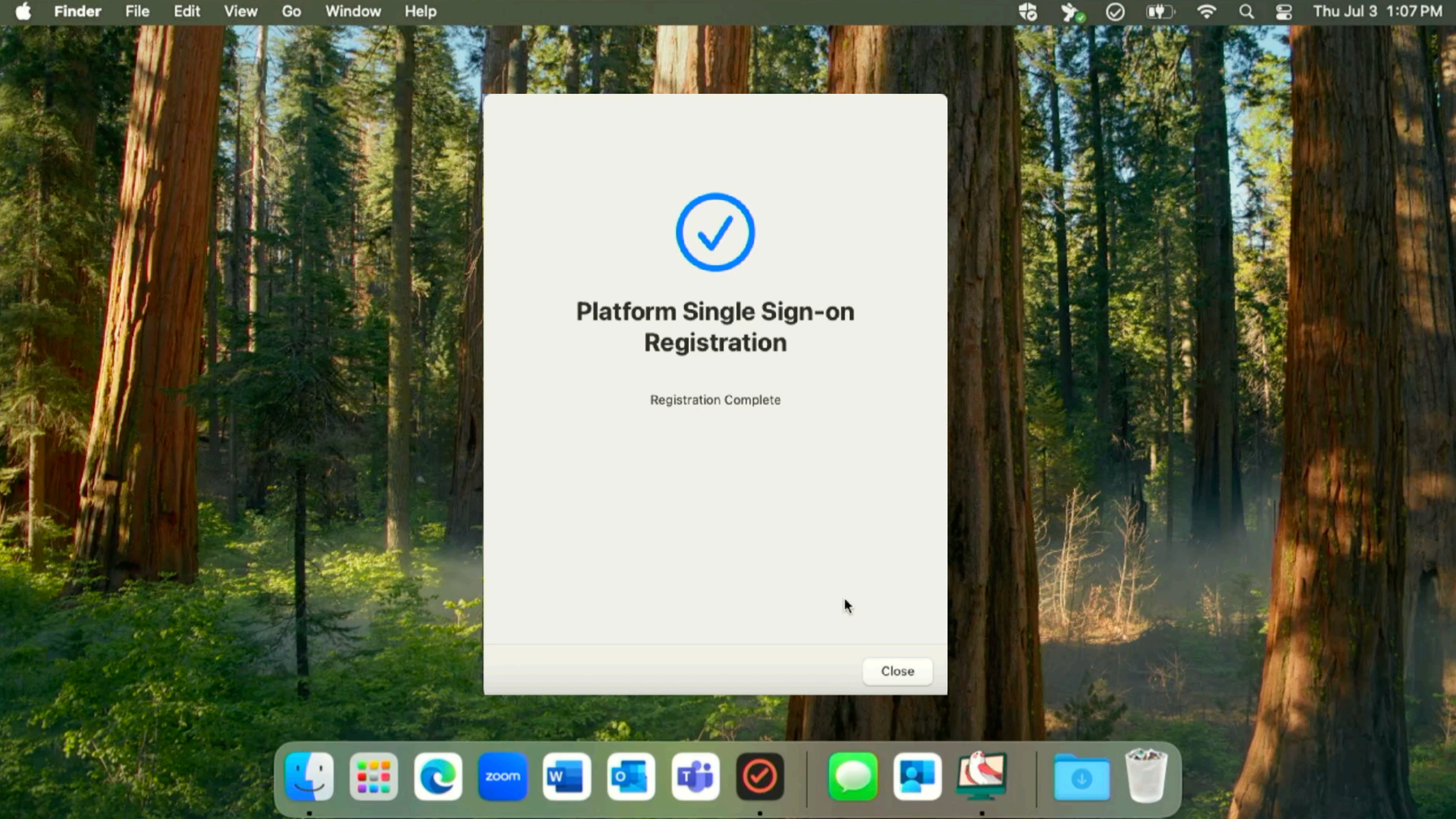
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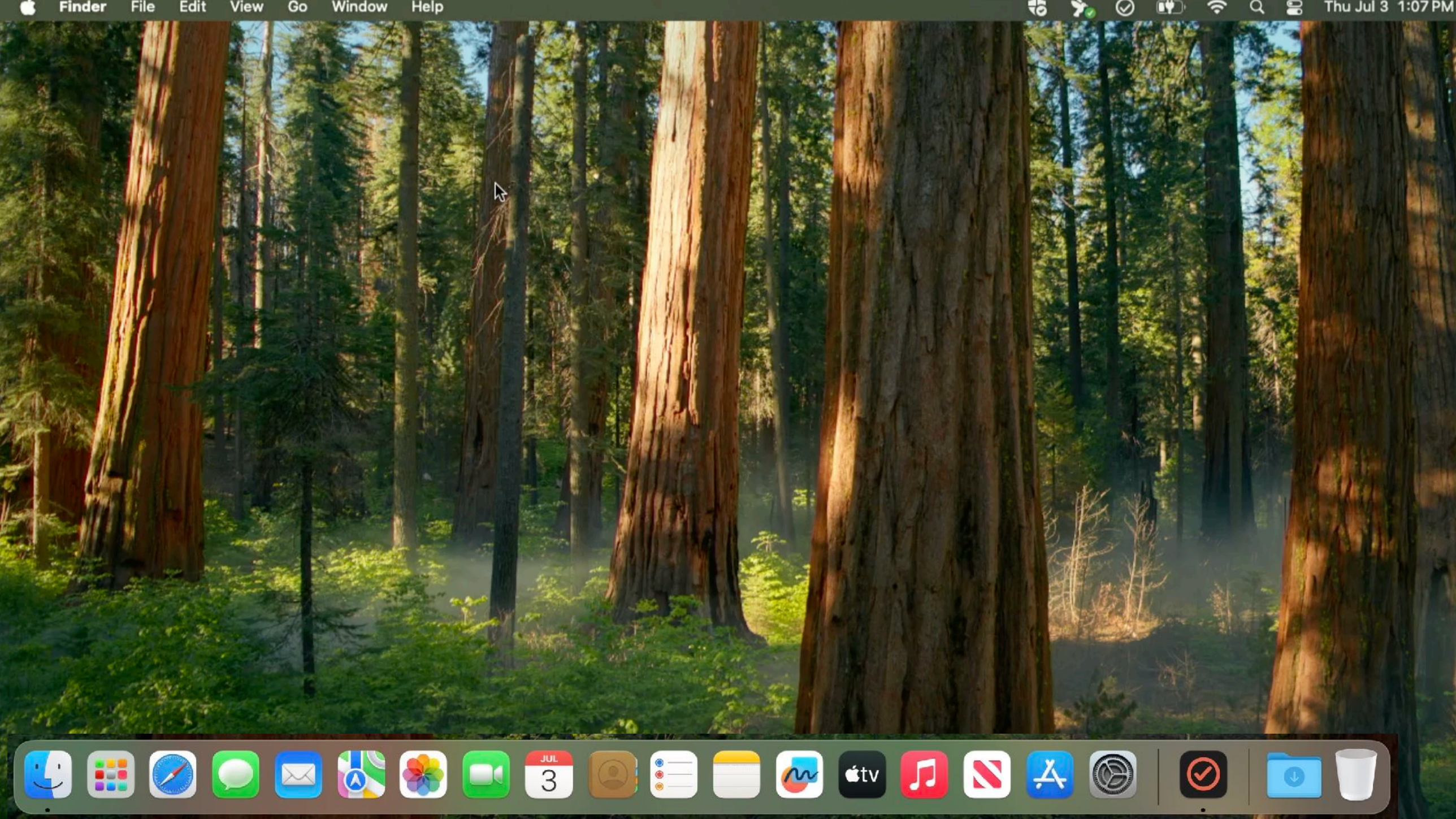
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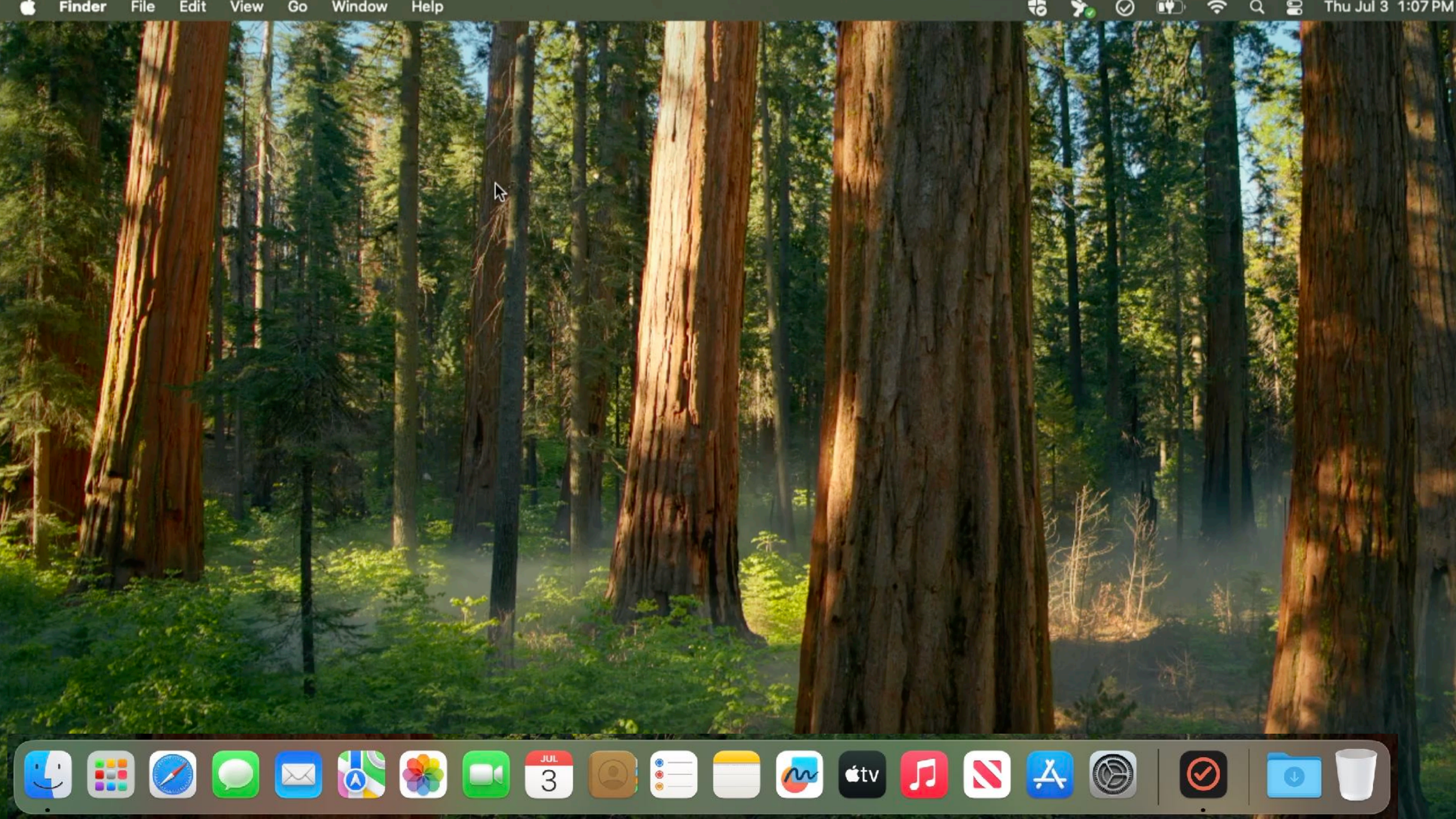
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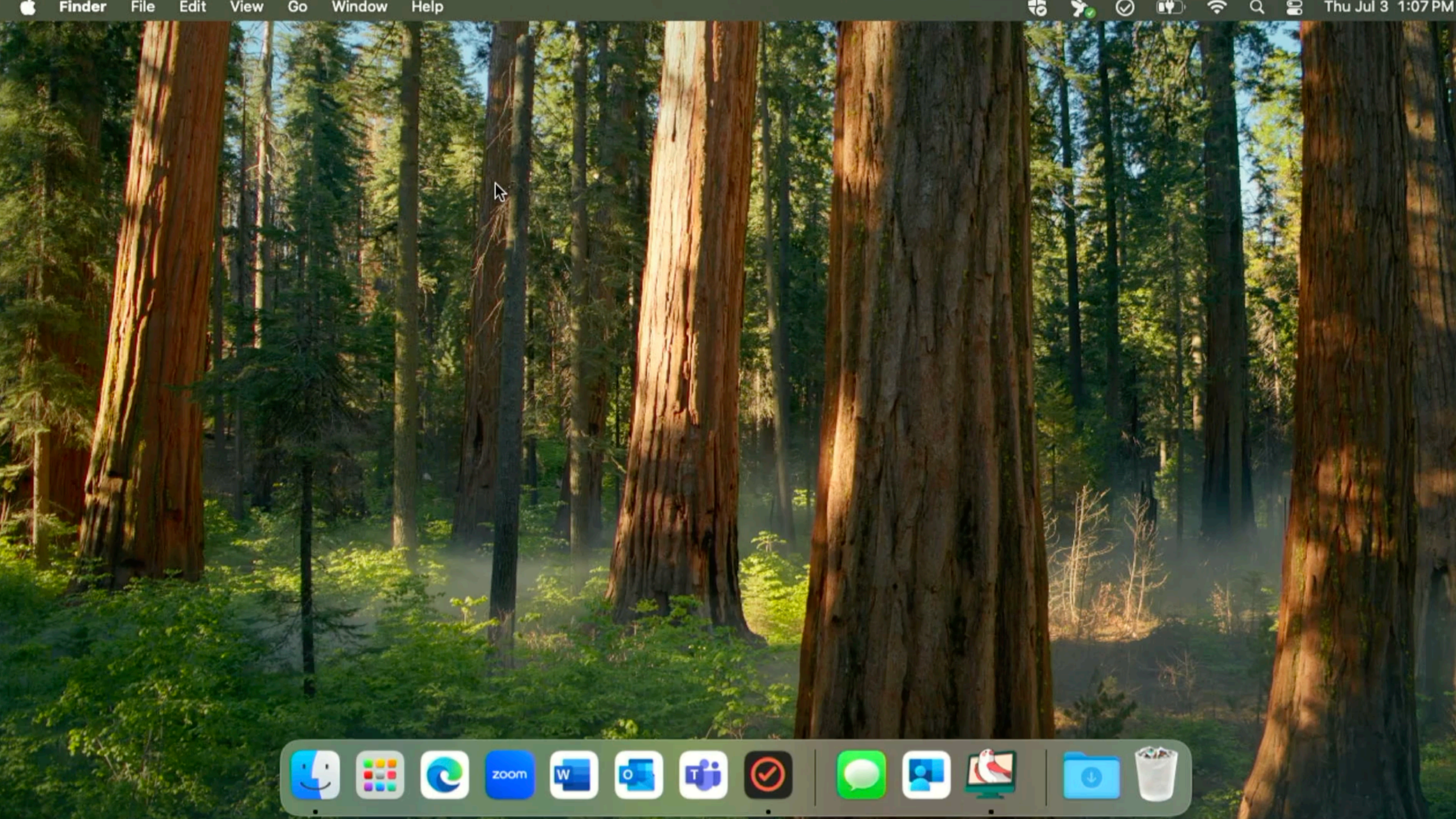
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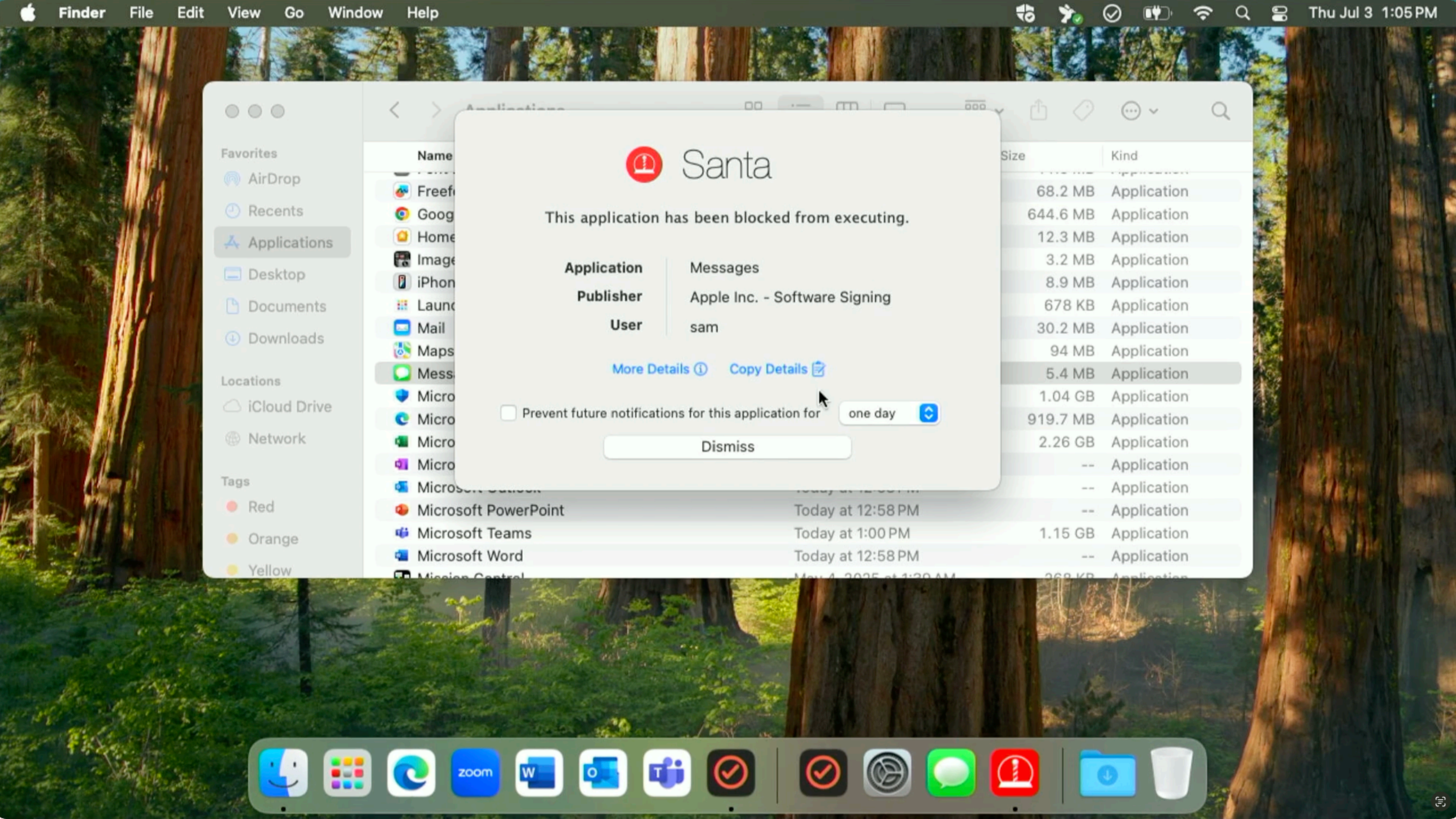

Admin By Request
Edit
Thu Jul 3 1:02 PM
Register your Mac
Registration Required
Please register with Alectrona.
Register
Please click on this notification to initiate the device registration process for your Mac. Once registration is fully completed, this pop-up will close.
Registration Required
Please register with Alectrona.
Register
Clear
What's New
Place widgets directly on the desktop and add your iPhone widgets.
THURSDAY
3
No events today
Cupertino
68°
Cloudy
H:78° L:53°
Cupertino
Today
-3HRS
Tokyo
Tomorrow
+13HRS
Sydney
Tomorrow
+14HRS
Paris
Today
+6HRS
Edit Widgets...

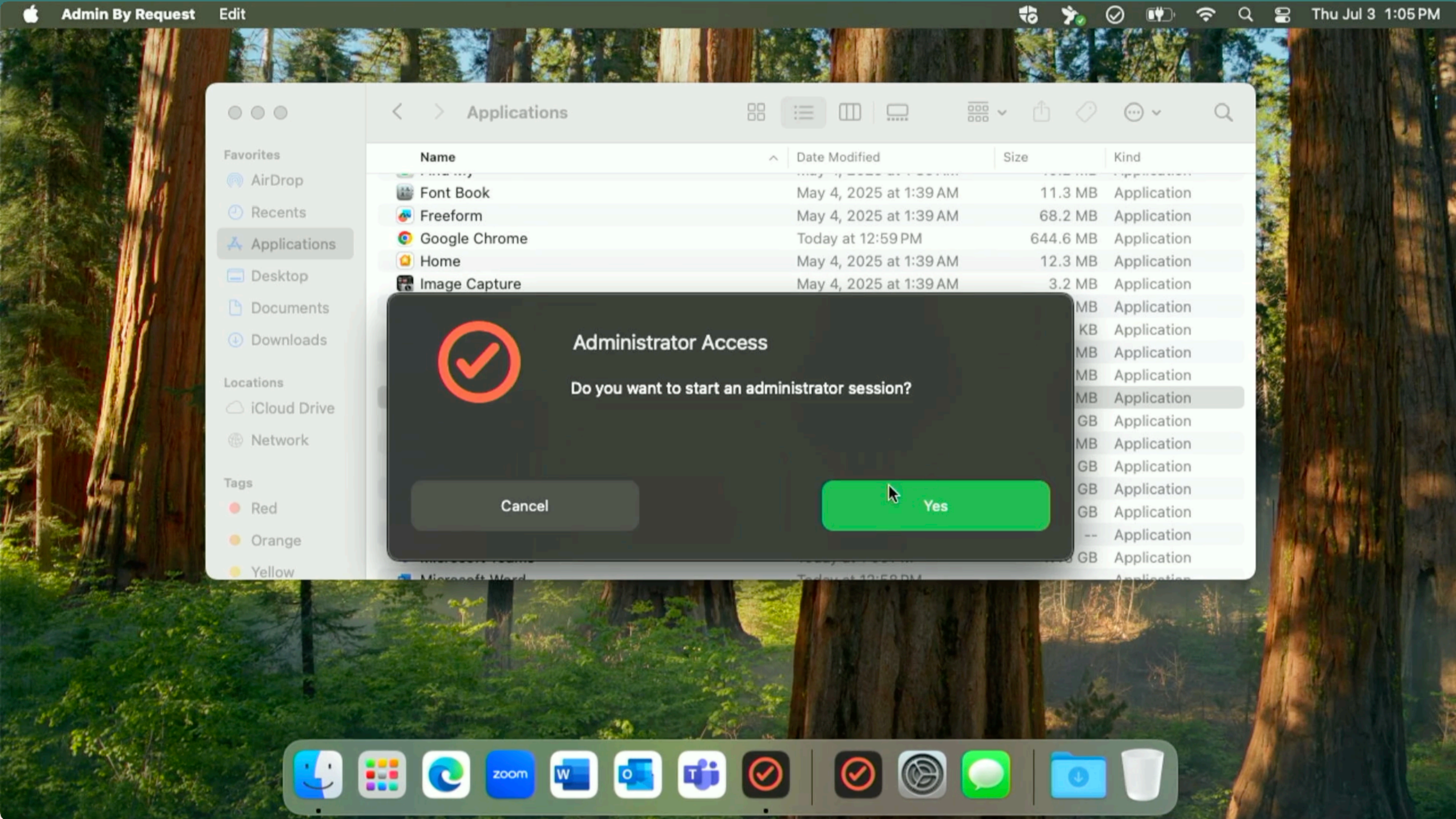

Finder File Edit View Go Window Help
Thu Jul 3 1:07 PM
Platform Single Sign-on Registration
Registration Complete
Close

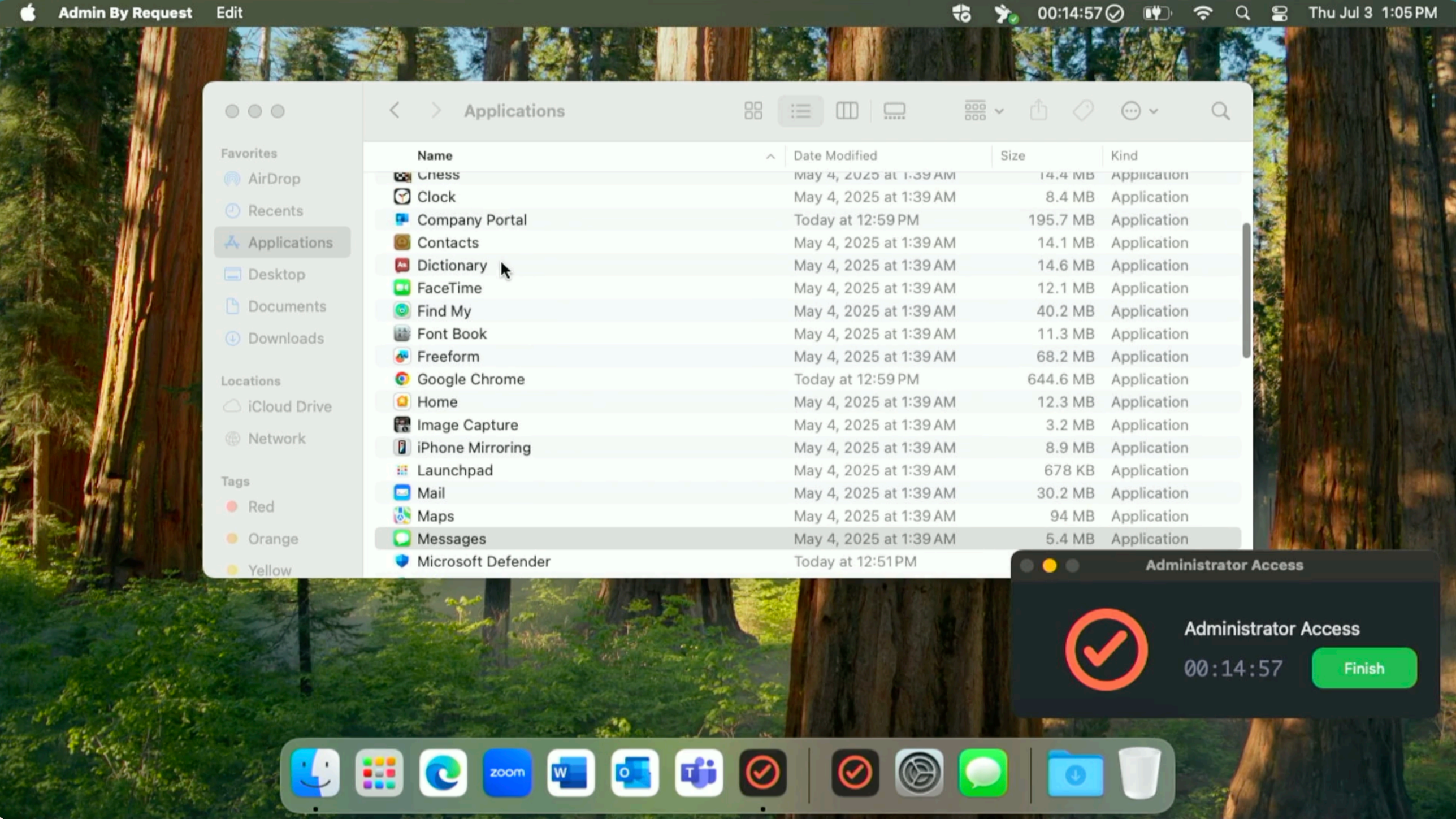

Finder
File
Edit
View
Go
Window
Help
Thu Jul 3 1:07 PM
JUL
3
tv


Finder
File
Edit
View
Go
Window
Help
Thu Jul 3 1:07 PM
JUL
3
tv


Finder
File
Edit
View
Go
Window
Help
Thu Jul 3 1:07 PM
zoom


Finder File Edit View Go Window Help
Thu Jul 3 1:05 PM
Favorites
AirDrop
Recents
Applications
Desktop
Documents
Downloads
Locations
iCloud Drive
Network
Tags
Red
Orange
Yellow
Name
Size
Kind
Microsoft PowerPoint
Today at 12:58 PM
Application
Microsoft Teams
Today at 1:00 PM
1.15 GB
Application
Microsoft Word
Today at 12:58 PM
Application
Santa
This application has been blocked from executing.
Application
Messages
Publisher
Apple Inc. - Software Signing
User
sam
More Details
Copy Details
Prevent future notifications for this application for
one day
Dismiss


Admin By Request
Edit
Thu Jul 3 1:05 PM
Applications
Favorites
AirDrop
Recents
Applications
Desktop
Documents
Downloads
Locations
iCloud Drive
Network
Tags
Red
Orange
Yellow
Name
Date Modified
Size
Kind
Font Book
May 4, 2025 at 1:39 AM
11.3 MB
Application
Freeform
May 4, 2025 at 1:39 AM
68.2 MB
Application
Google Chrome
Today at 12:59 PM
644.6 MB
Application
Home
May 4, 2025 at 1:39 AM
12.3 MB
Application
Image Capture
May 4, 2025 at 1:39 AM
3.2 MB
Application
Administrator Access
Do you want to start an administrator session?
Cancel
Yes


Admin By Request
Edit
00:14:57
Thu Jul 3 1:05 PM
Applications
Favorites
AirDrop
Recents
Applications
Desktop
Documents
Downloads
Locations
iCloud Drive
Network
Tags
Red
Orange
Yellow
Name
Date Modified
Size
Kind
Chess
May 4, 2025 at 1:39 AM
14.4 MB
Application
Clock
May 4, 2025 at 1:39 AM
8.4 MB
Application
Company Portal
Today at 12:59 PM
195.7 MB
Application
Contacts
May 4, 2025 at 1:39 AM
14.1 MB
Application
Dictionary
May 4, 2025 at 1:39 AM
14.6 MB
Application
FaceTime
May 4, 2025 at 1:39 AM
12.1 MB
Application
Find My
May 4, 2025 at 1:39 AM
40.2 MB
Application
Font Book
May 4, 2025 at 1:39 AM
11.3 MB
Application
Freeform
May 4, 2025 at 1:39 AM
68.2 MB
Application
Google Chrome
Today at 12:59 PM
644.6 MB
Application
Home
May 4, 2025 at 1:39 AM
12.3 MB
Application
Image Capture
May 4, 2025 at 1:39 AM
3.2 MB
Application
iPhone Mirroring
May 4, 2025 at 1:39 AM
8.9 MB
Application
Launchpad
May 4, 2025 at 1:39 AM
678 KB
Application
Mail
May 4, 2025 at 1:39 AM
30.2 MB
Application
Maps
May 4, 2025 at 1:39 AM
94 MB
Application
Messages
May 4, 2025 at 1:39 AM
5.4 MB
Application
Microsoft Defender
Today at 12:51 PM
Administrator Access
Administrator Access
00:14:57
Finish

sam	SAM	07/11/2025 10:31:23 AM	00:02:54	1/0/0	Finished	
sam	SAM	07/11/2025 09:50:18 AM		0/0/0	Running	
sam	SAM	07/10/2025 01:34:58 PM	00:14:58	0/0/3	Finished	
Sam Gibbs	Sam Gibbs	07/03/2025 01:05:19 PM	00:00:18	0/1/0	Finished	

Contact Information

Full name	Sam Gibbs
User account	SAM
Approval	Not required

Execution

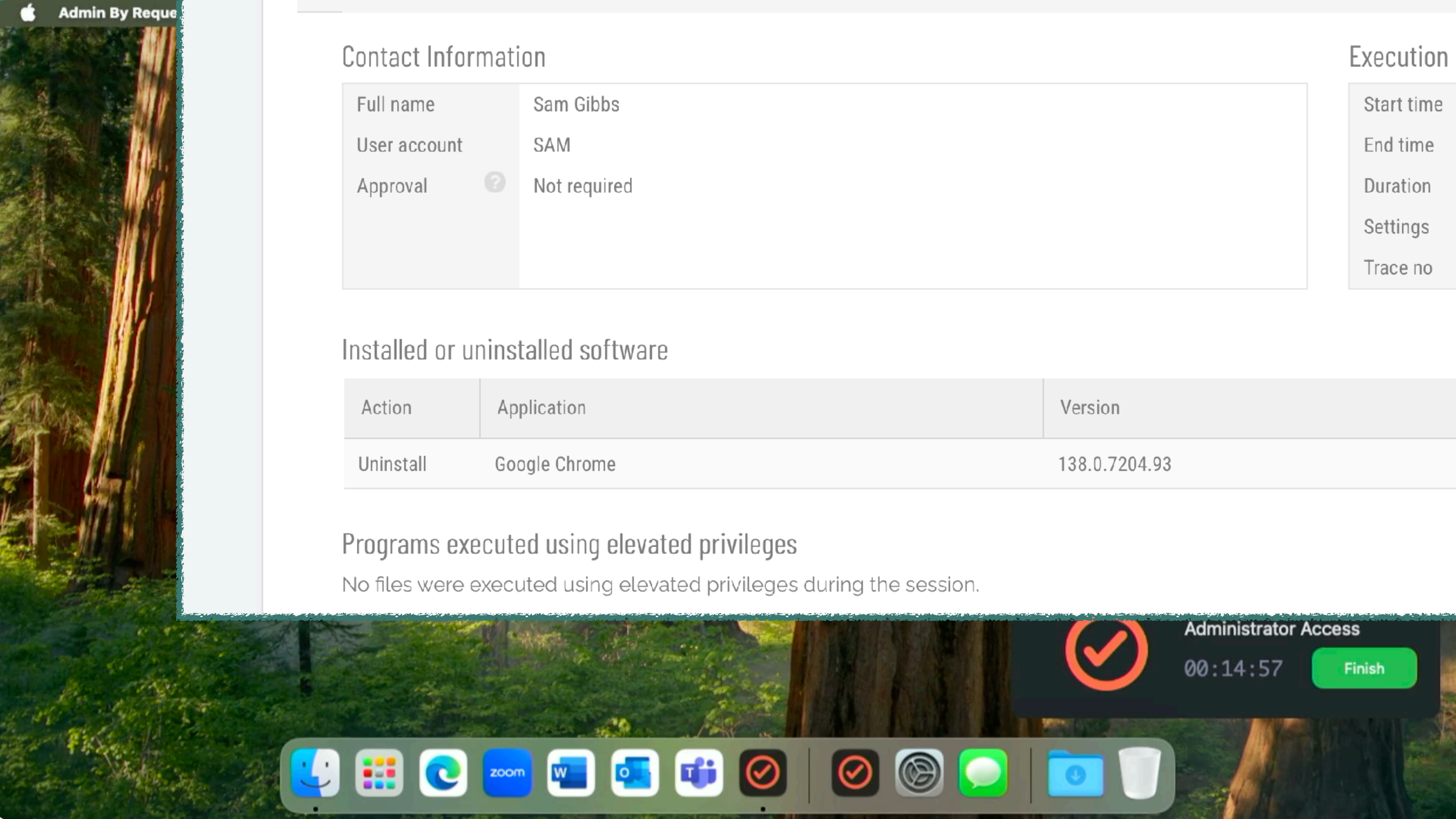
Start time	07/03/2025 01:05:19 PM
End time	07/03/2025 01:05:37 PM
Duration	00:00:18
Settings	Global Settings
Trace no	90313865

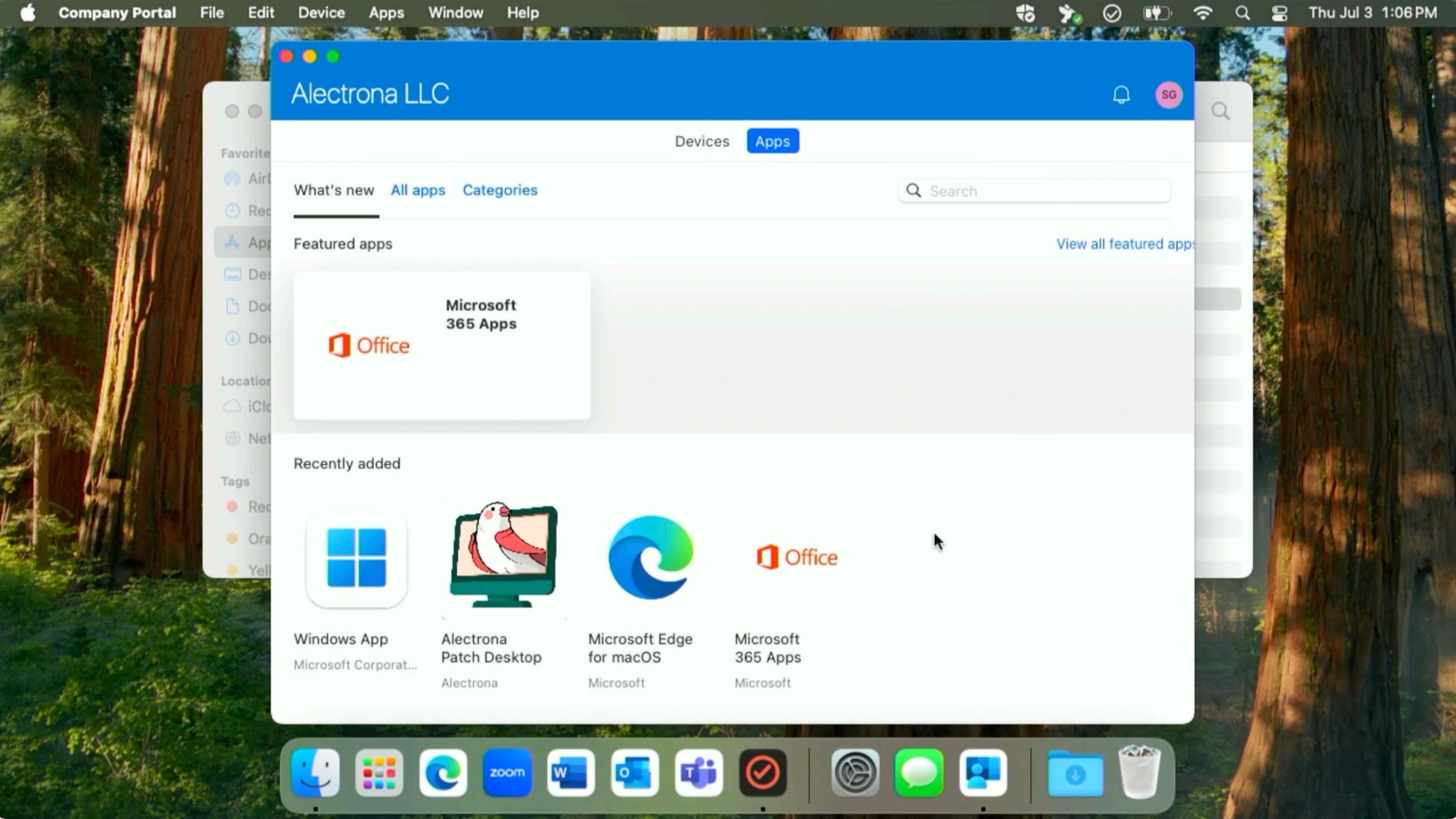
Installed or uninstalled software

Action	Application	Version	Publisher
Uninstall	Google Chrome	138.0.7204.93	Google LLC

Programs executed using elevated privileges

No files were executed using elevated privileges during the session.


Admin By Reque
Contact Information
Full name
Sam Gibbs
User account
SAM
Approval
Not required
Execution
Start time
End time
Duration
Settings
Trace no
Installed or uninstalled software
Action
Application
Version
Uninstall
Google Chrome
138.0.7204.93
Programs executed using elevated privileges
No files were executed using elevated privileges during the session.
Administrator Access
00:14:57
Finish


Company Portal File Edit Device Apps Window Help
Thu Jul 3 1:06 PM
Alectrona LLC
SG
Devices
Apps
What's new
All apps
Categories
Search
Featured apps
View all featured apps
Office
Microsoft 365 Apps
Recently added
Windows App
Microsoft Corporat...
Alectrona Patch Desktop
Alectrona
Microsoft Edge for macOS
Microsoft
Office
Microsoft 365 Apps
Microsoft

A good enrollment experience needs…

- [x] A guided onboarding experience
- [x] Apps Ready to Use
- [ ] SSO with cloud services
- [ ] Dock pre-configured
- [ ] Unwanted apps blocked
- [ ] Can elevate to admin
- [ ] A self service portal
- [ ] All the things you don’t see!

A good enrollment experience needs…

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What didn’t we see?!



What didn’t we see?!

- Extra Setup Assistant Panes



What didn’t we see?!

- Extra Setup Assistant Panes
- Login item notifications



What didn’t we see?!

- Extra Setup Assistant Panes
- Login item notifications
- Notification permission prompts



What didn’t we see?!

- Extra Setup Assistant Panes
- Login item notifications
- Notification permission prompts
- System extension prompts



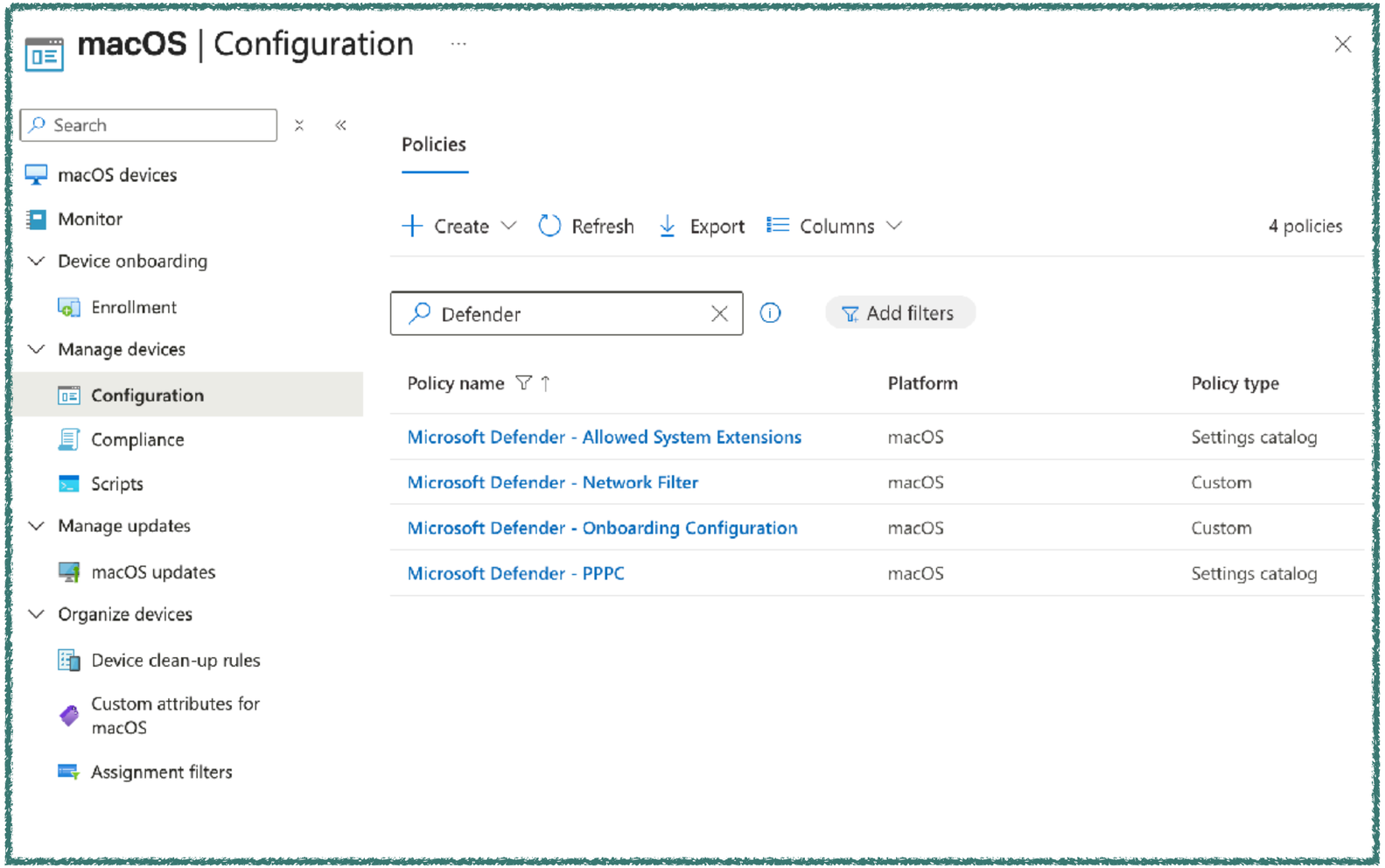
What didn’t we see?!

- Extra Setup Assistant Panes
- Login item notifications
- Notification permission prompts
- System extension prompts
- PPPC requests



What didn’t we see?!

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A good enrollment experience needs…

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One more thing…

A good enrollment experience needs…

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- [x] Unwanted apps blocked
- [x] Can elevate to admin
- [x] A self service portal
- [x] All the things you don’t see!

A good enrollment experience needs...



macOS Security Compliance

Project homepage: https://github.com/usnistgov/macos_security

Deploying mSCP:

Deploying mSCP:

1. Build in Jamf Compliance Editor

Jamf Compliance Editor

Jamf Compliance Editor is a tool that provides macOS, iOS, iPadOS, and visionOS system administrators with an **easy way to establish and manage compliance baselines** on their fleet of Apple devices.

This tool is built on the foundations of the macOS Security Compliance Project, hosted by the United States government agency, NIST, in their Github repo.

This application features:

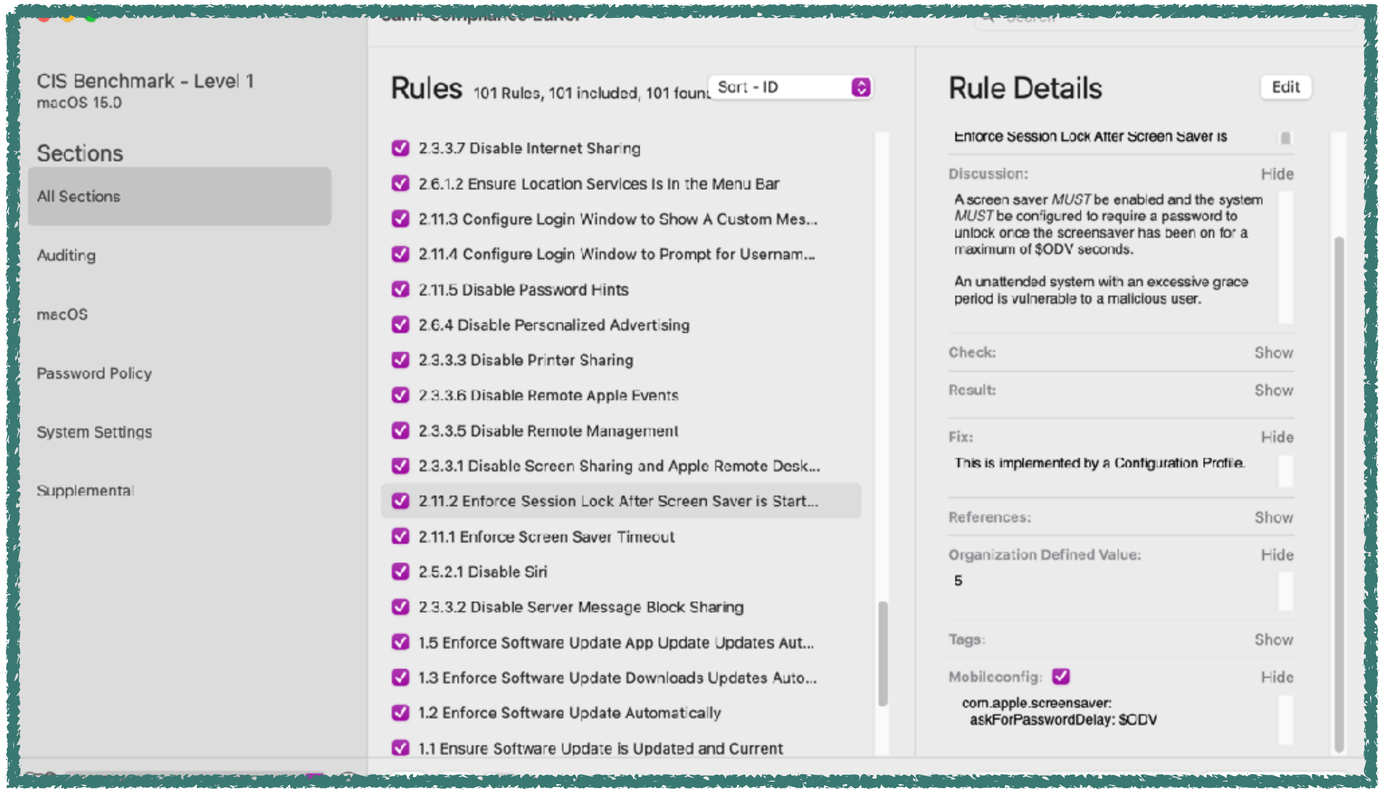
- Easily selectable benchmark/baselines for customization
- Support for all variations of benchmark/baselines currently offered by the macOS Security Compliance Project.
- Support for major macOS, iOS, iPadOS, & visionOS version(s)
- Modificiation of organization-defined values (ODV) from the core compliance project specifications
- Local storage of your custom benchmark(s) for editing later
- An easy-to-use UI that eliminates the need for complicated scripting
- One-click guidance creation that includes:
  - PDF, Excel, HTML, and Adoc for audit review with option to add branding
  - (macOS only) Shell script (zsh) that can audit and remediate endpoint
  - All configuration profiles needed to be uploaded to MDM server
  - (macOS only) Jamf Pro Extension Attributes that will submit status of benchmark/baseline of endpoints

mSCP Project homepage: https://github.com/usnistgov/macos_security

Jamf Compliance Editor: https://trusted.jamf.com/docs/establishing-compliance-baselines

Deploying mSCP:

1. Build in Jamf Compliance Editor

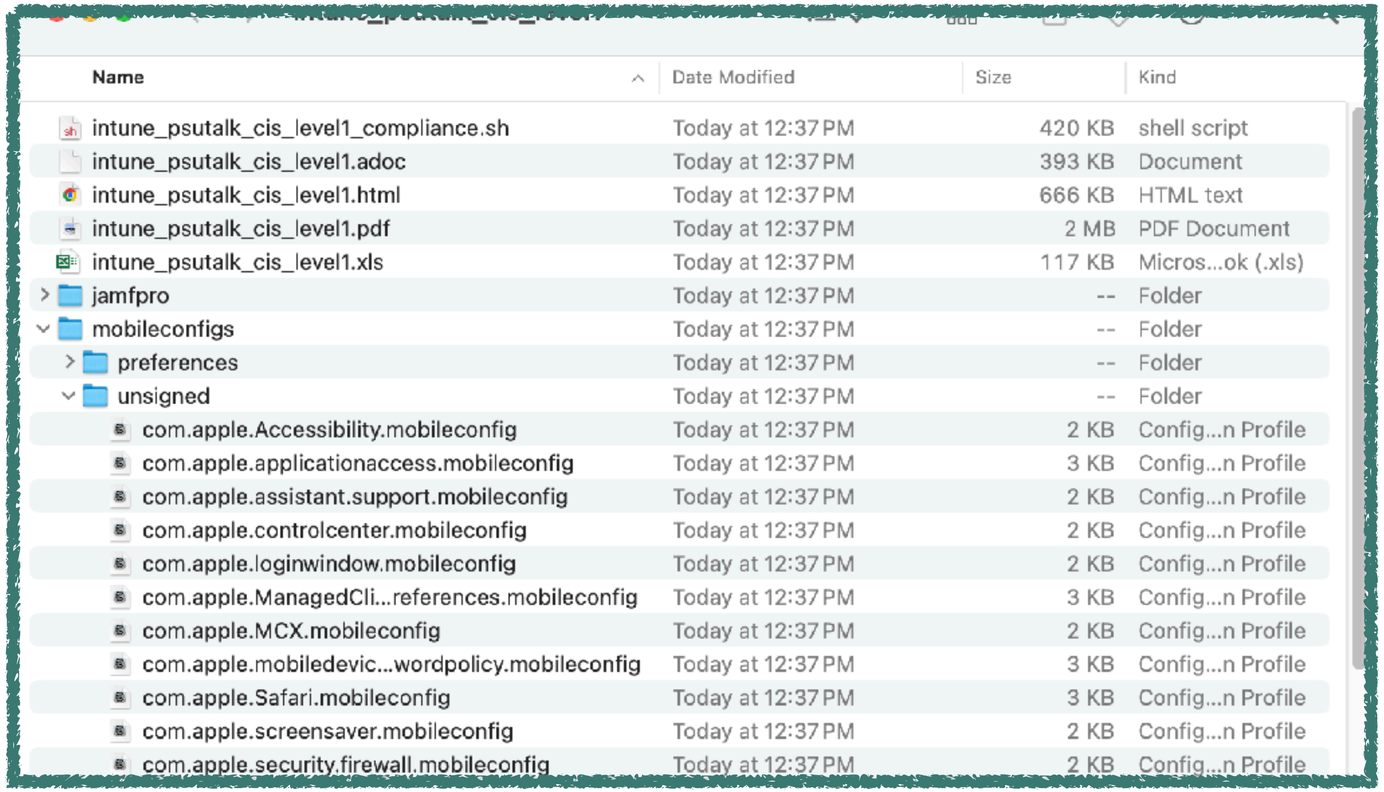


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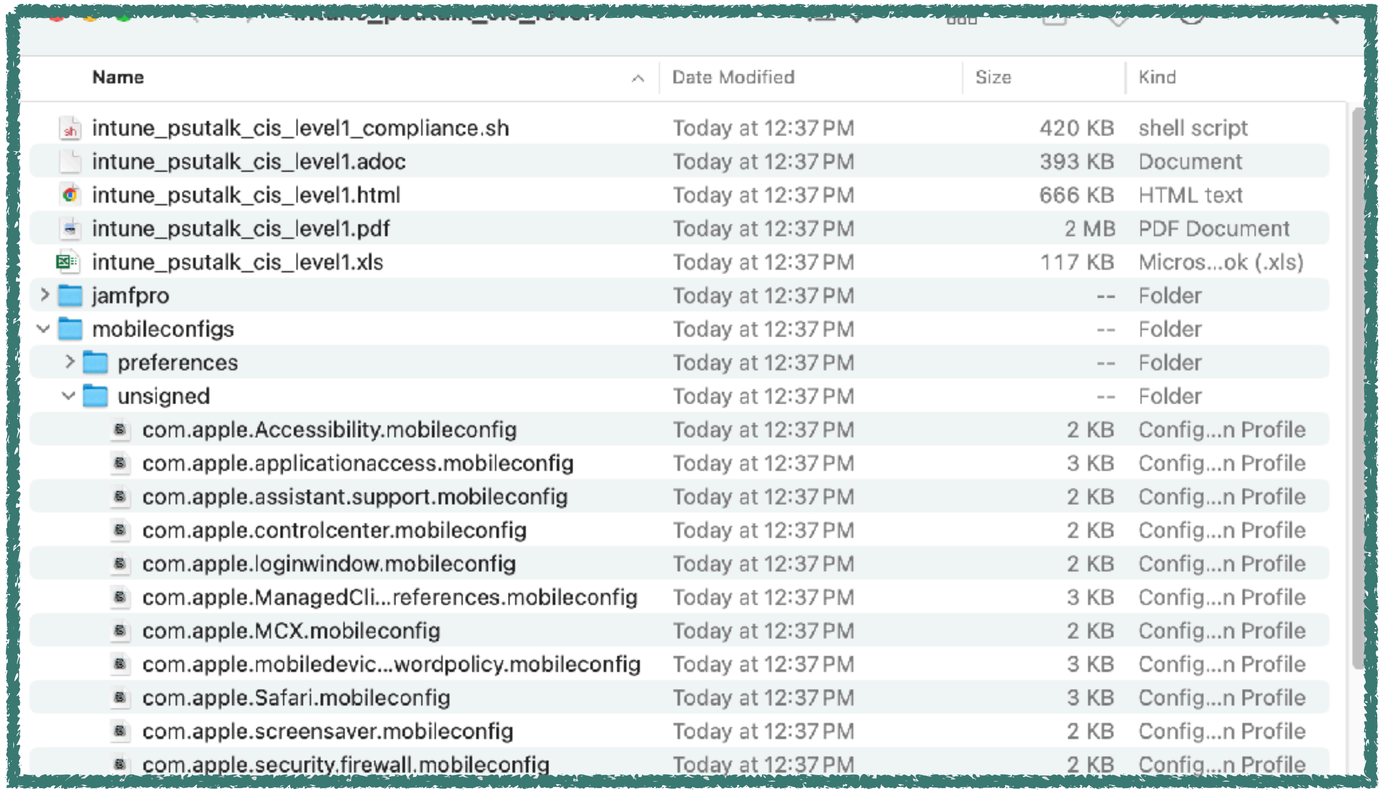
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intune_psutalk_cis_level1.xls	Today at 12:37 PM	117 KB	Micros...ok (.xls)
jamfpro	Today at 12:37 PM	--	Folder
mobileconfigs	Today at 12:37 PM	--	Folder
preferences	Today at 12:37 PM	--	Folder
unsigned	Today at 12:37 PM	--	Folder
com.apple.Accessibility.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.applicationaccess.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.assistant.support.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.controlcenter.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.loginwindow.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
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com.apple.screensaver.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.security.firewall.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile

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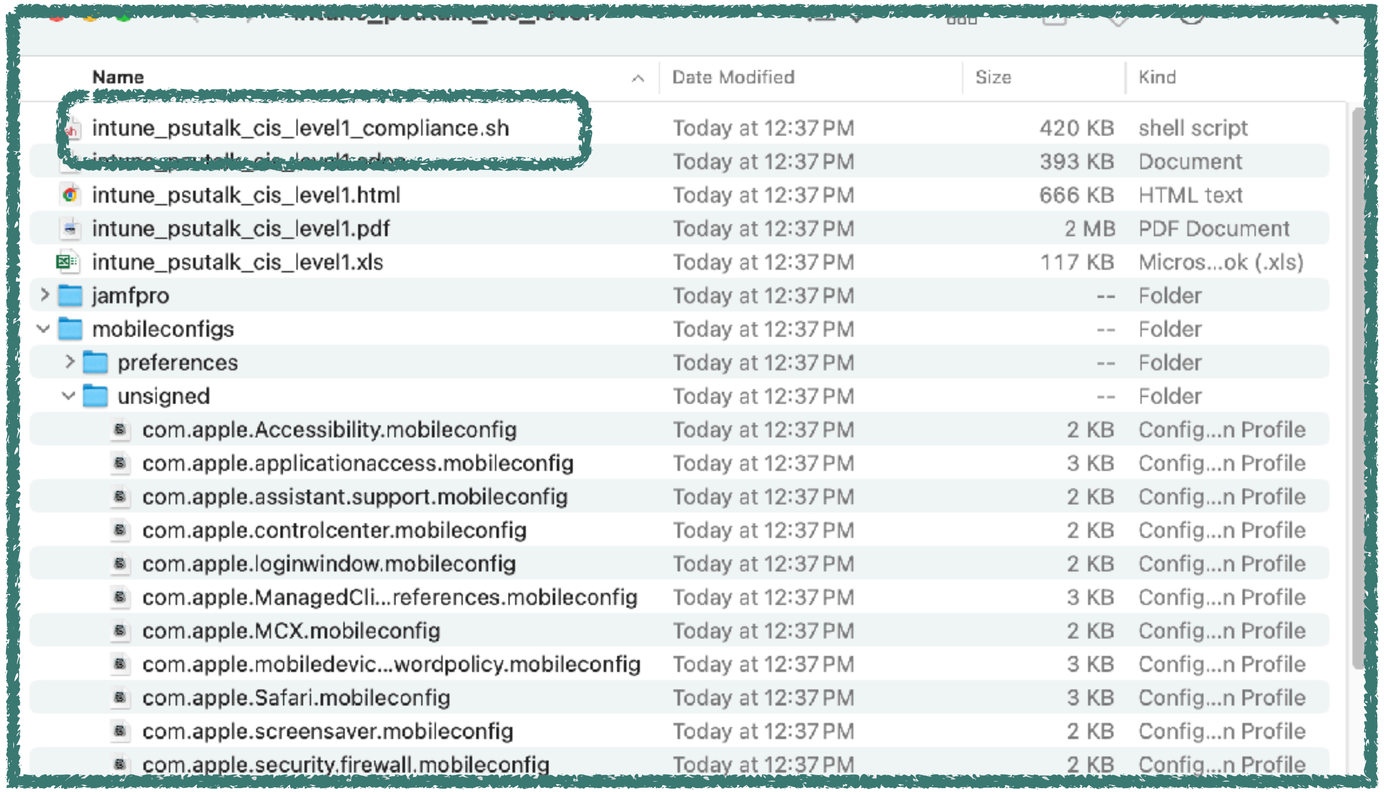
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intune_psutalk_cis_level1.pdf	Today at 12:37 PM	2 MB	PDF Document
intune_psutalk_cis_level1.xls	Today at 12:37 PM	117 KB	Micros...ok (.xls)
jamfpro	Today at 12:37 PM	--	Folder
mobileconfigs	Today at 12:37 PM	--	Folder
preferences	Today at 12:37 PM	--	Folder
unsigned	Today at 12:37 PM	--	Folder
com.apple.Accessibility.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.applicationaccess.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.assistant.support.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.controlcenter.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.loginwindow.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.ManagedCli...references.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
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com.apple.Safari.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.screensaver.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.security.firewall.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile

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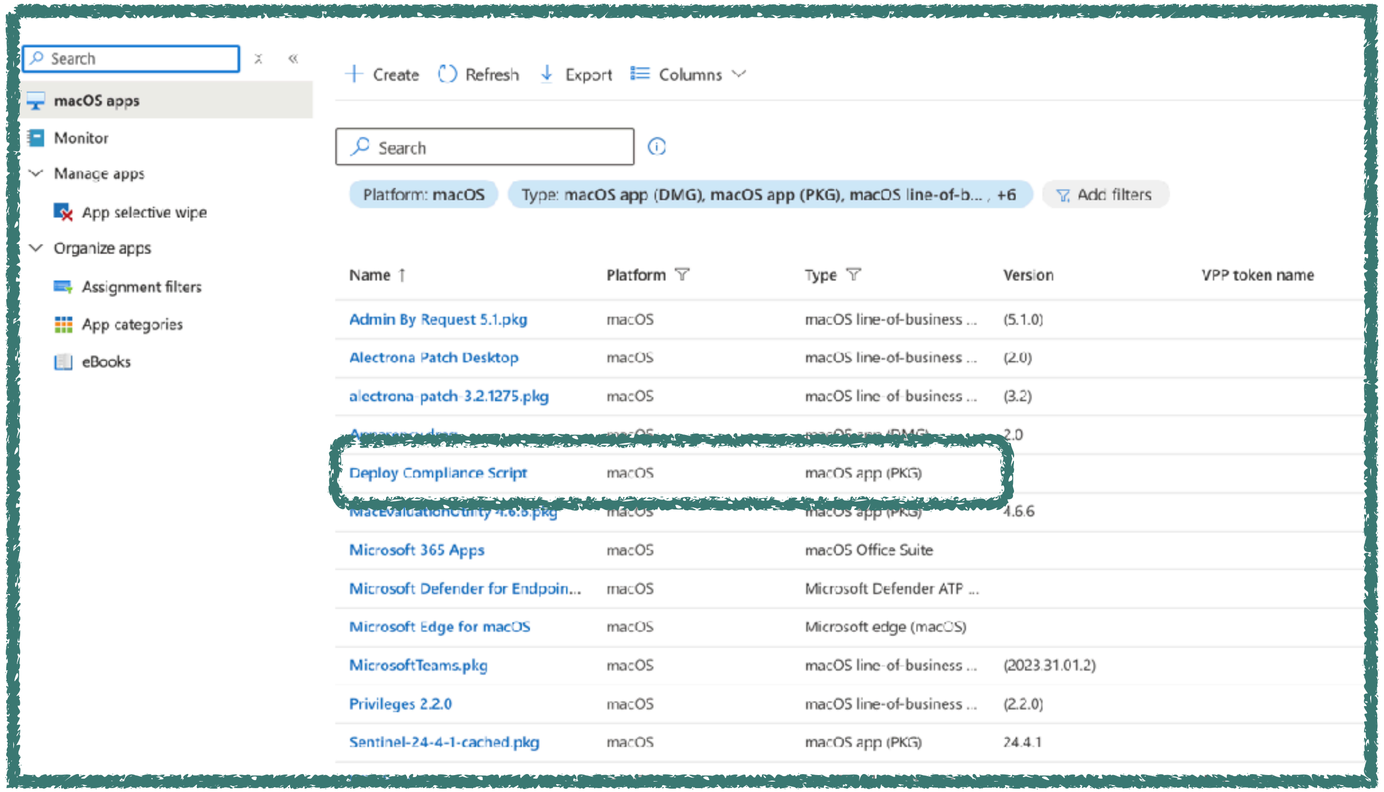


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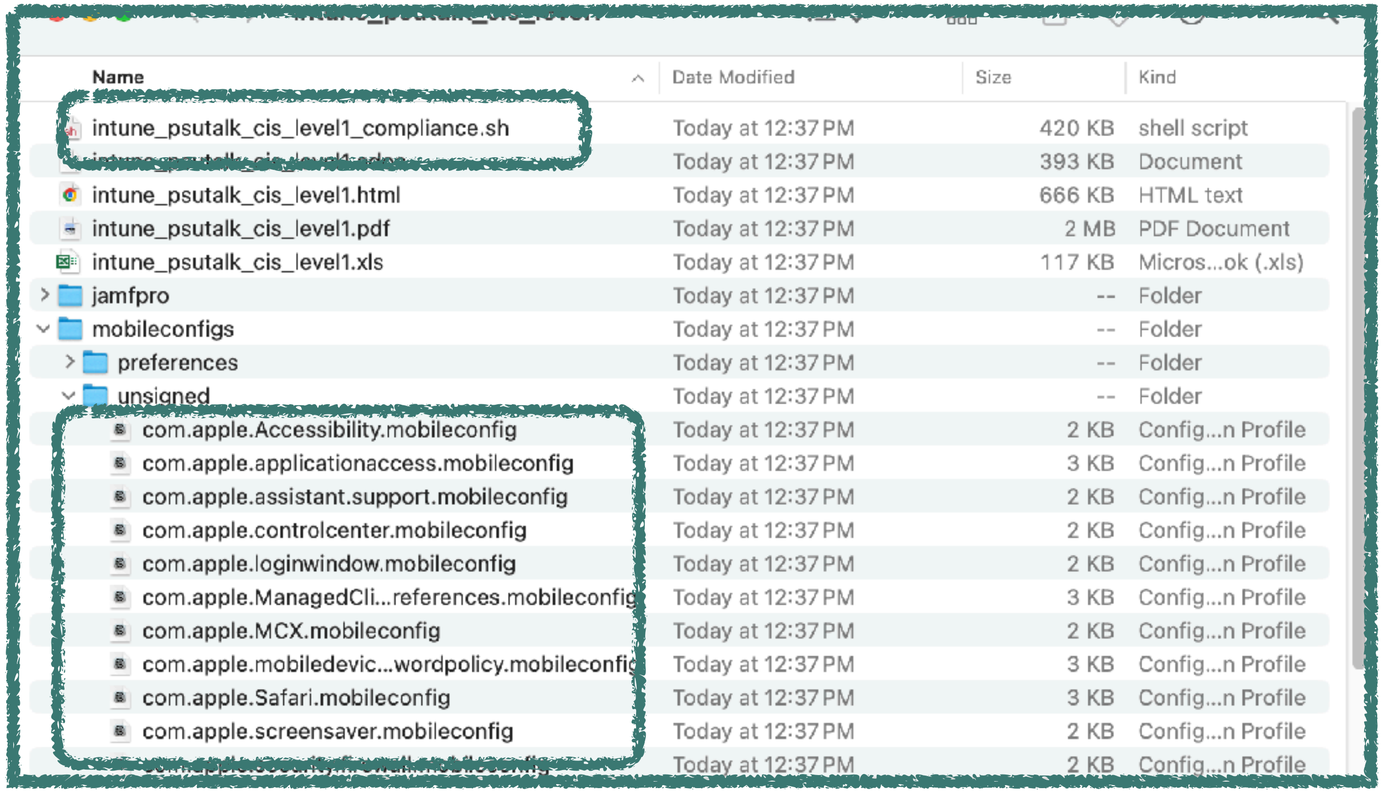


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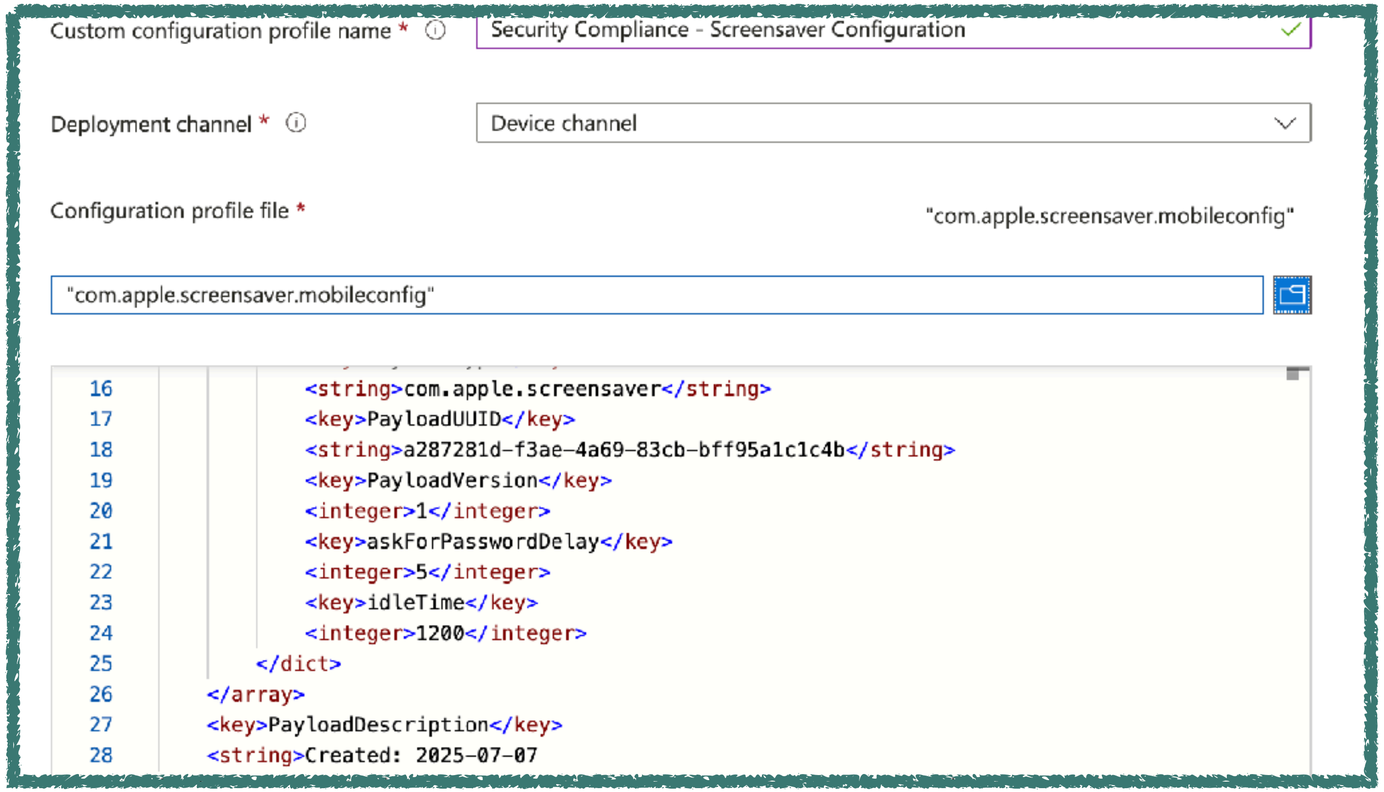


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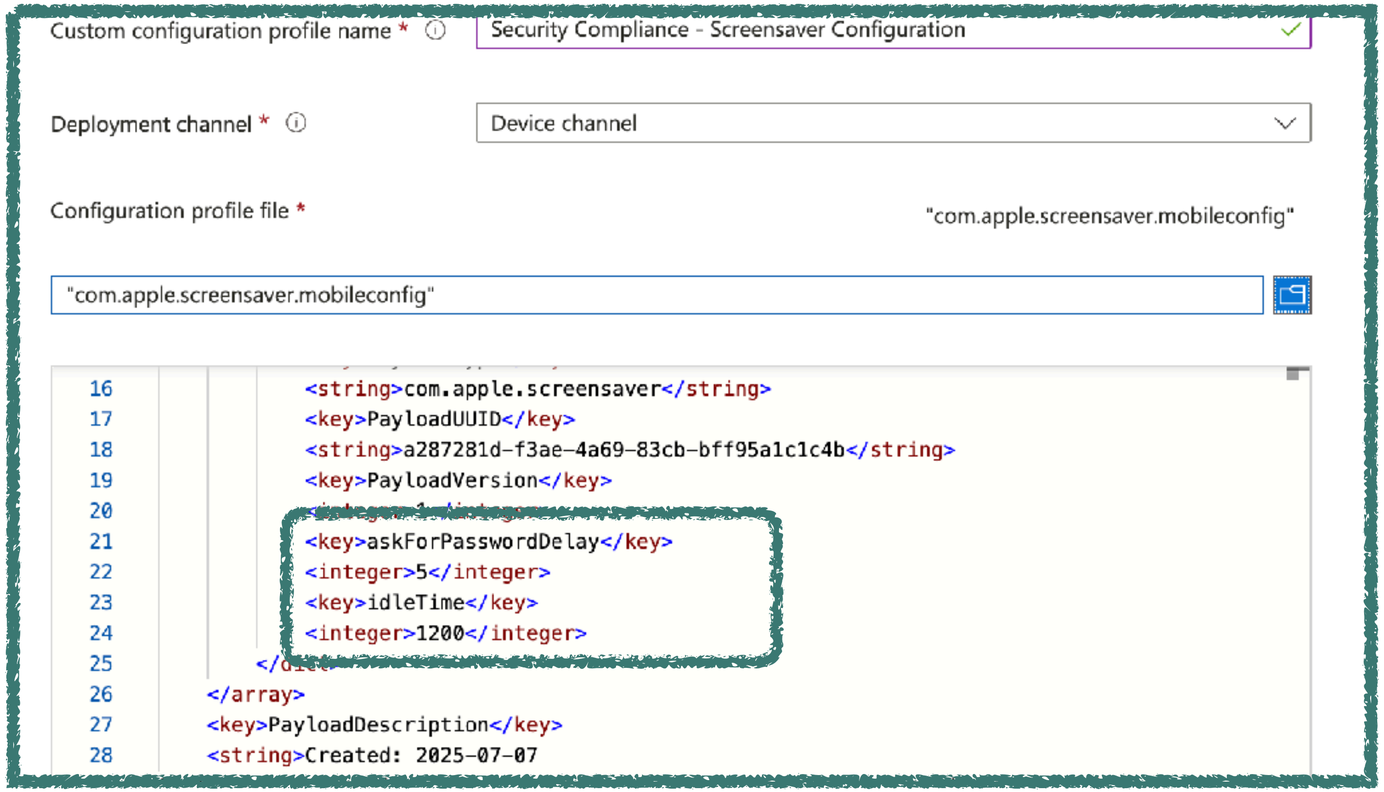


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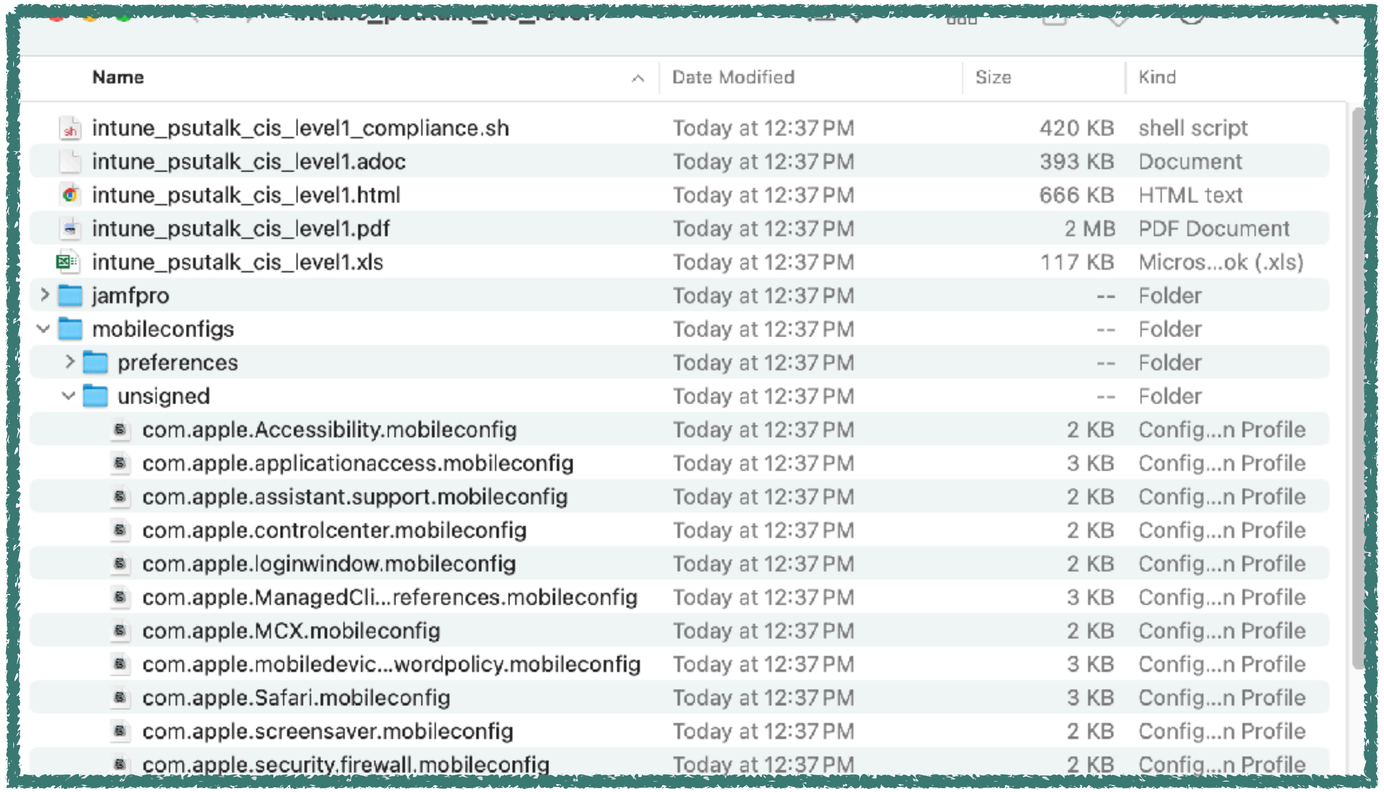


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3. Execute compliance script daily



Name	Date Modified	Size	Kind
intune_psutalk_cis_level1_compliance.sh	Today at 12:37 PM	420 KB	shell script
intune_psutalk_cis_level1.adoc	Today at 12:37 PM	393 KB	Document
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intune_psutalk_cis_level1.xls	Today at 12:37 PM	117 KB	Micros...ok (.xls)
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com.apple.loginwindow.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
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com.apple.mobiledevic...wordpolicy.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
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De
mS

1. Buil
2. Dep
   Intu
   con
3. Exe

Execute Compliance Script.sh — Edited

Shell Script | Run | Stop | Run Settings... | Back/Forward | View

Language

Execute Compliance Script.sh

```
#!/bin/bash

# Written by Alectrona
# Execute Security Baseline Compliance script generated by Jamf Compliance Editor
# Written to be run on a regular (daily or weekly) basis

# Path to compliance script location - must be updated if compliance script is updated/renamed
complianceScriptLocation="/Library/Application Support/Alectrona/intune_psutalk_cis_level1_compliance.sh"

# Check if Compliance script is present
if [[ -f "$complianceScriptLocation" ]]; then
    /bin/echo "Compliance script found, proceeding..."
else
    /bin/echo "Compliance Script not found, exiting..."
    exit 1
fi

### Executing Compliance script ###
# --cfc run a check (audit), fix (remediate), check in order
# --stats returns compliance percentage stats from the latest check (audit) run
# --quiet=1 minimizes output and only reports failures
/bin/zsh "$complianceScriptLocation" --cfc --stats --quiet=1

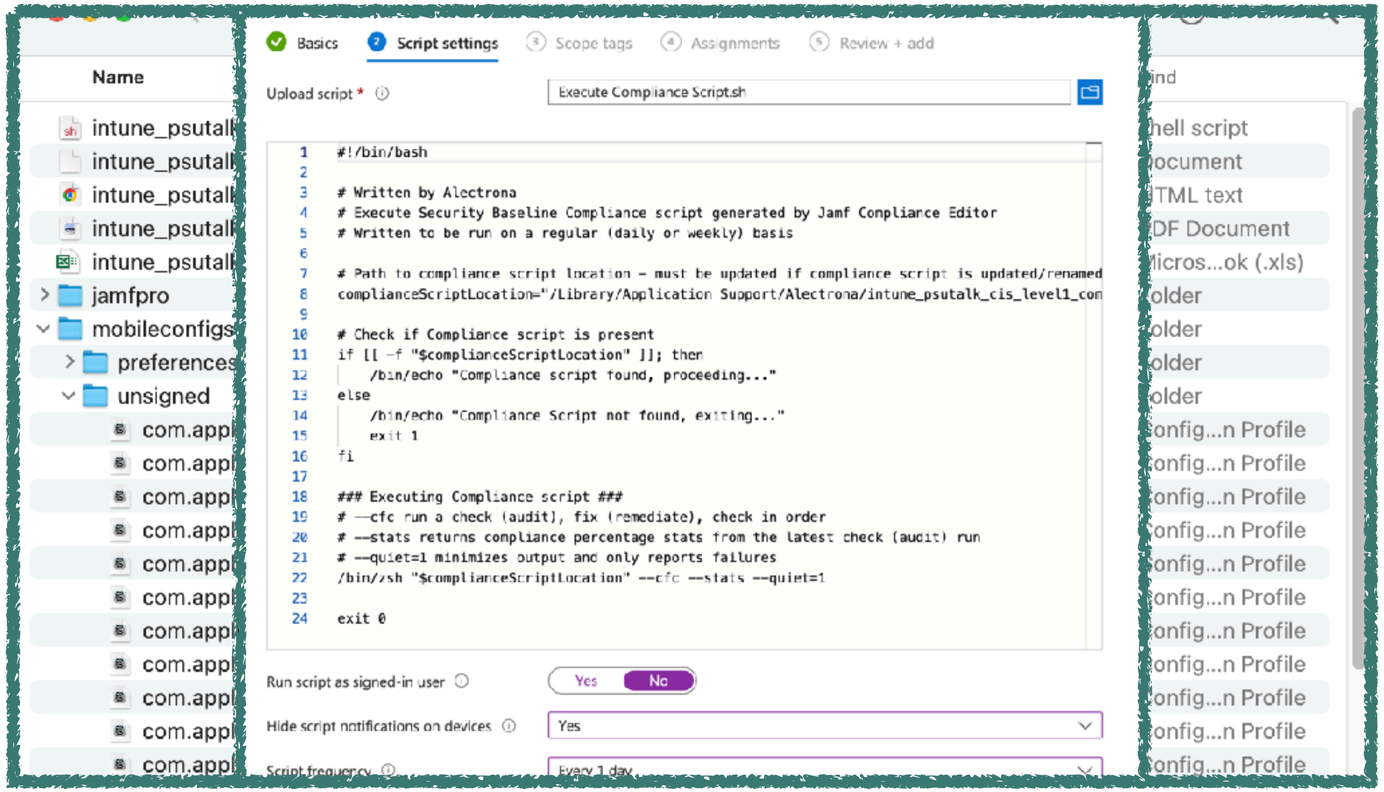
exit 0
```

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Jamf Compliance Editor: https://trusted.jamf.com/docs/establishing-compliance-baselines

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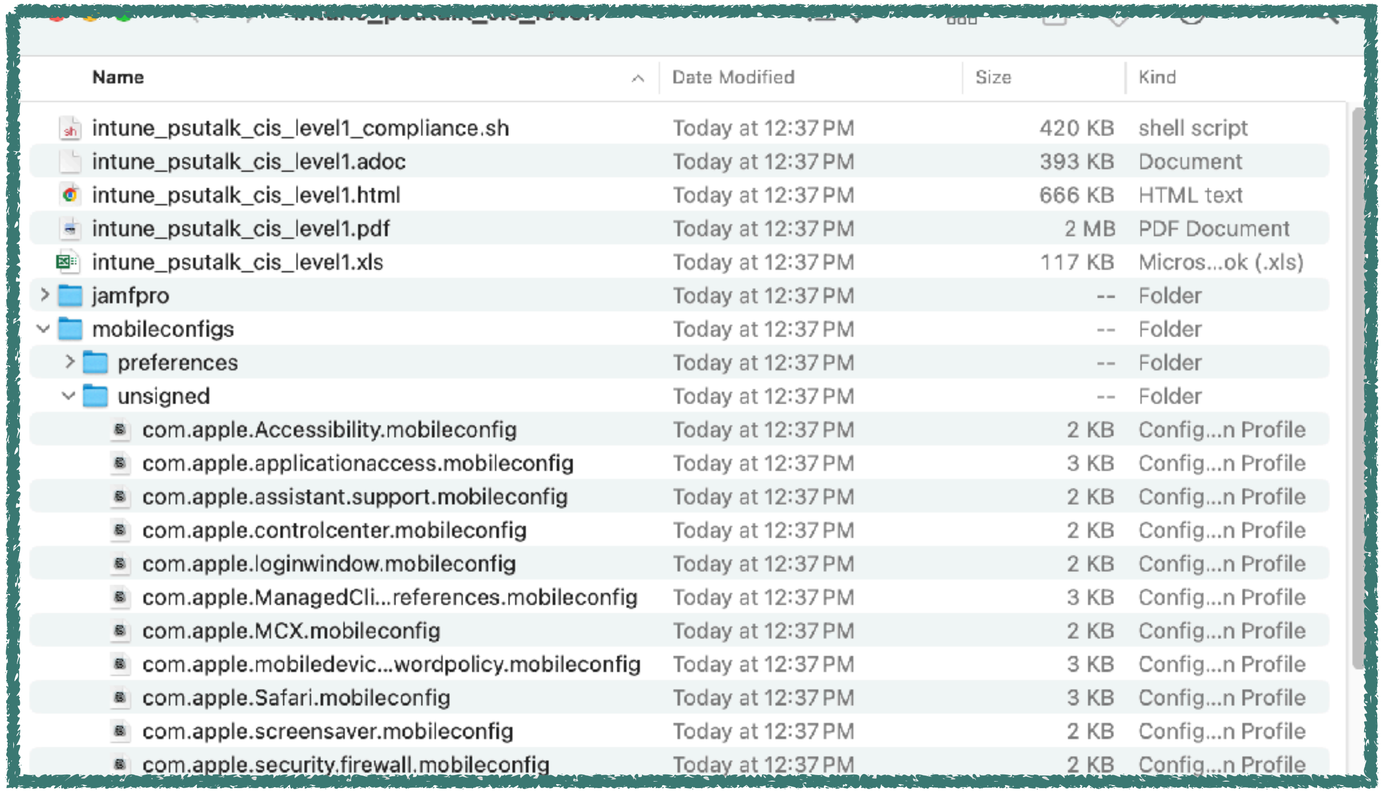


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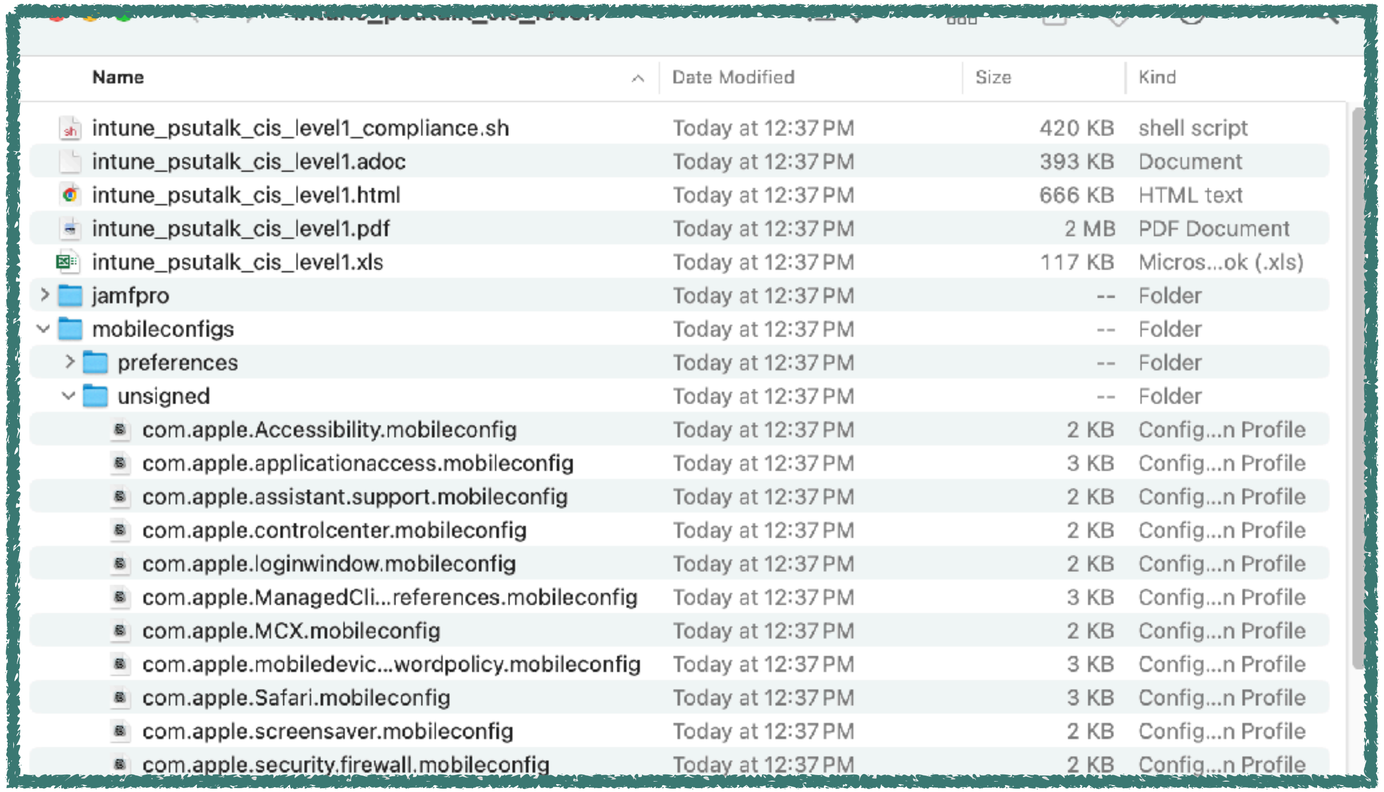
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com.apple.applicationaccess.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.assistant.support.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.controlcenter.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.loginwindow.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.ManagedCli...references.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.MCX.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.mobiledevic...wordpolicy.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.Safari.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.screensaver.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.security.firewall.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile

mSCP Project homepage: https://github.com/usnistgov/macos_security

Jamf Compliance Editor: https://trusted.jamf.com/docs/establishing-compliance-baselines

Deploying mSCP:

1. Build in Jamf Compliance Editor
2. Deploy compliance script in Intune via package and upload config profiles
3. Execute compliance script daily
4. Create custom attribute to gather reports



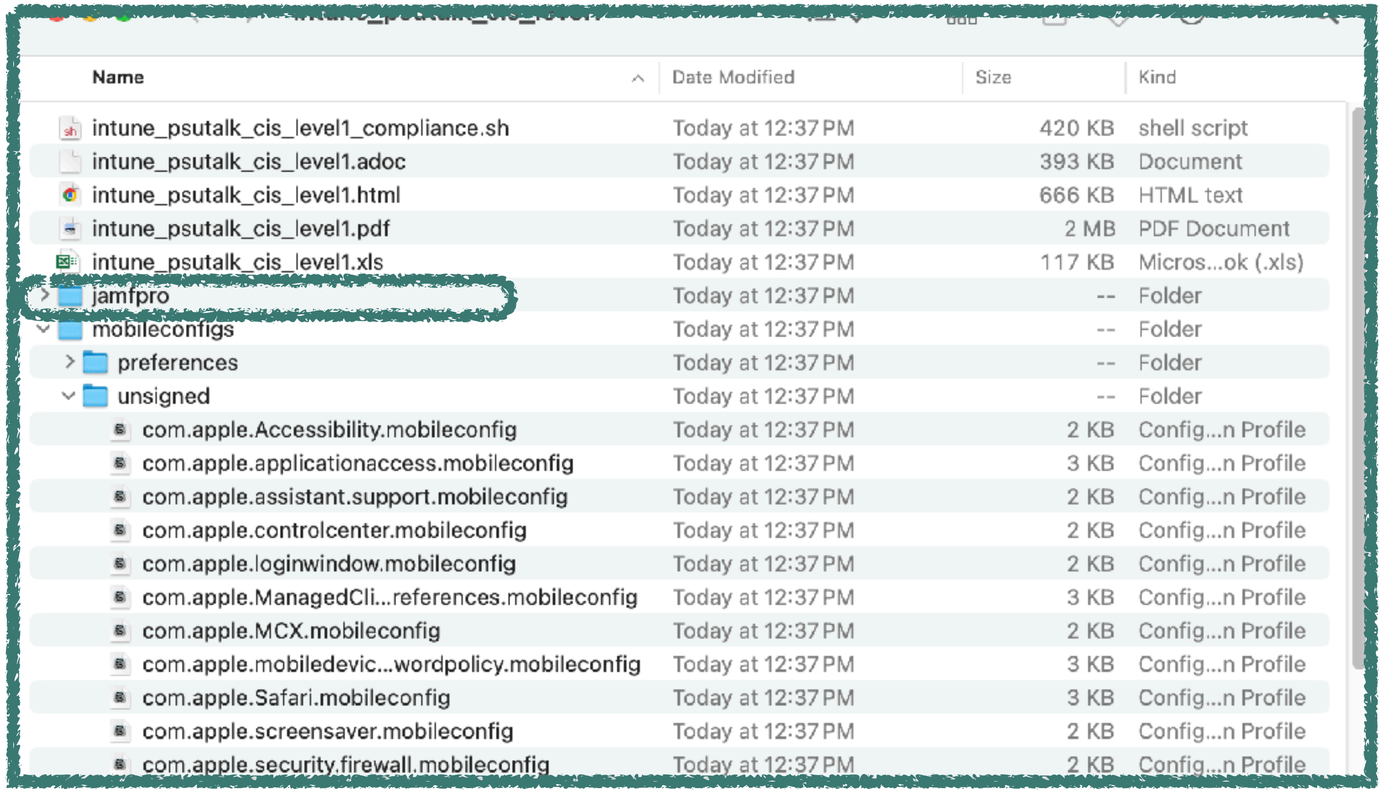
Name	Date Modified	Size	Kind
intune_psutalk_cis_level1_compliance.sh	Today at 12:37 PM	420 KB	shell script
intune_psutalk_cis_level1.adoc	Today at 12:37 PM	393 KB	Document
intune_psutalk_cis_level1.html	Today at 12:37 PM	666 KB	HTML text
intune_psutalk_cis_level1.pdf	Today at 12:37 PM	2 MB	PDF Document
intune_psutalk_cis_level1.xls	Today at 12:37 PM	117 KB	Micros...ok (.xls)
jamfpro	Today at 12:37 PM	--	Folder
mobileconfigs	Today at 12:37 PM	--	Folder
preferences	Today at 12:37 PM	--	Folder
unsigned	Today at 12:37 PM	--	Folder
com.apple.Accessibility.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.applicationaccess.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.assistant.support.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.controlcenter.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.loginwindow.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.ManagedCli...references.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.MCX.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.mobiledevic...wordpolicy.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.Safari.mobileconfig	Today at 12:37 PM	3 KB	Config...n Profile
com.apple.screensaver.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile
com.apple.security.firewall.mobileconfig	Today at 12:37 PM	2 KB	Config...n Profile

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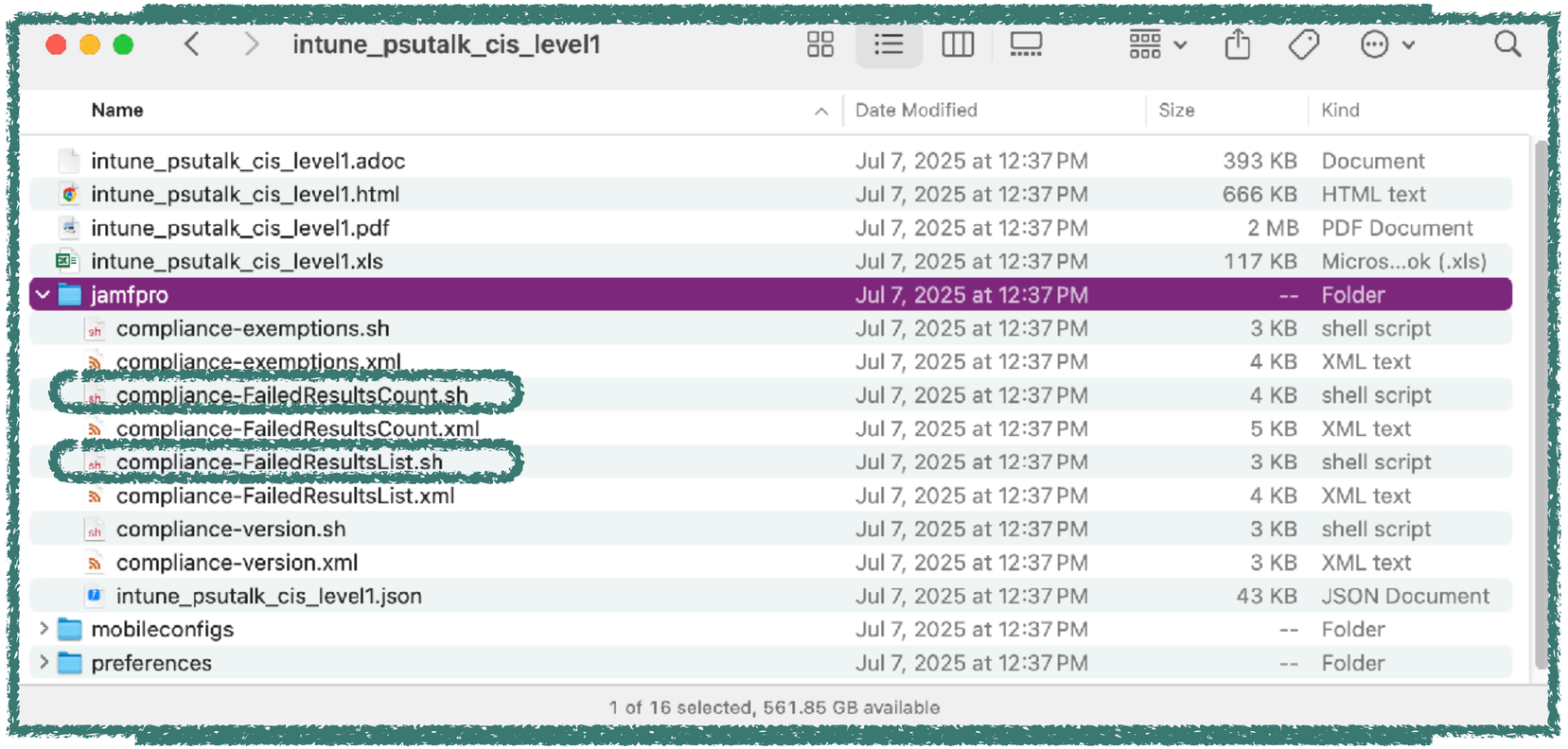


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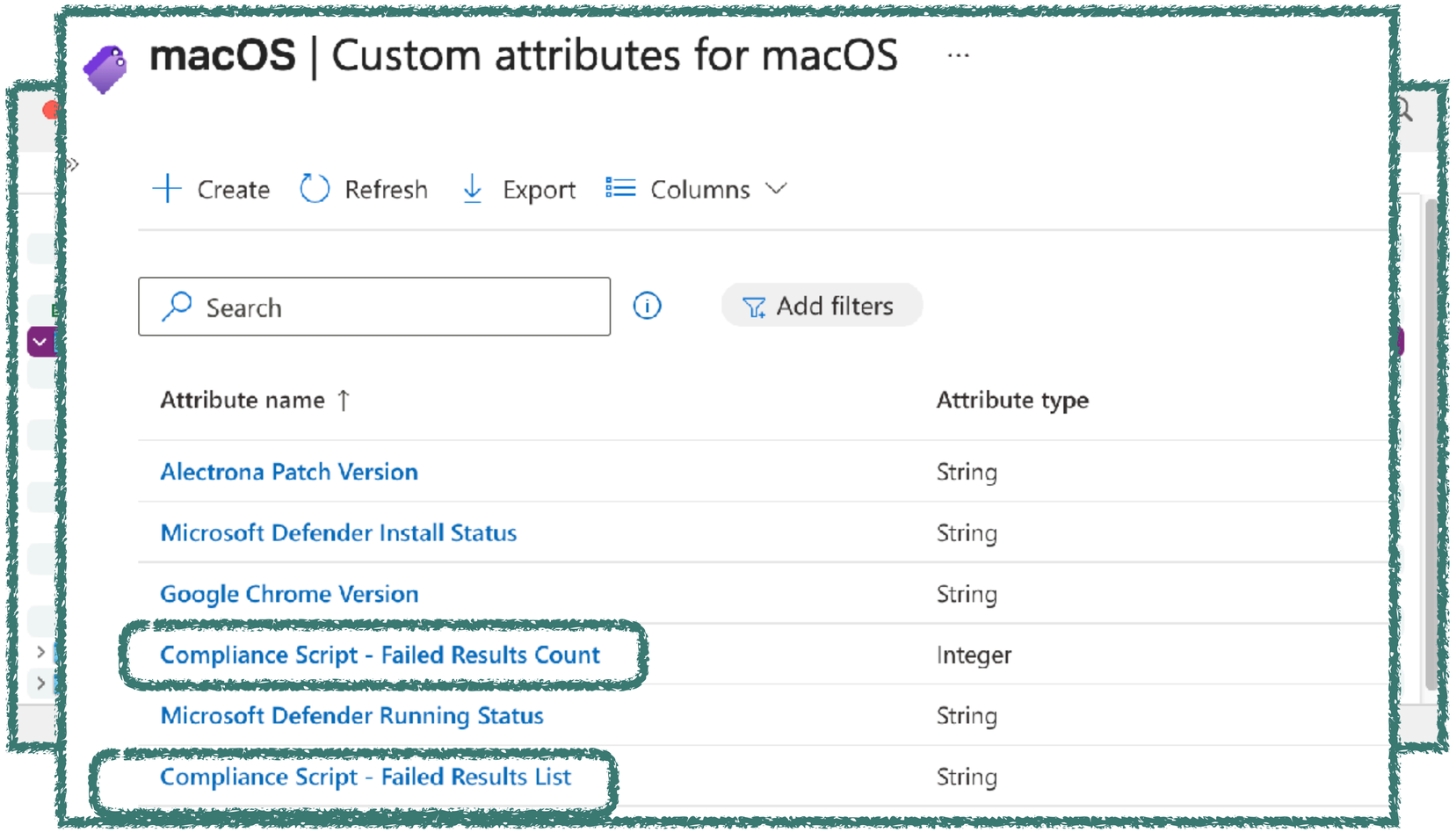


mSCP Project homepage: https://github.com/usnistgov/macos_security

Jamf Compliance Editor: https://trusted.jamf.com/docs/establishing-compliance-baselines

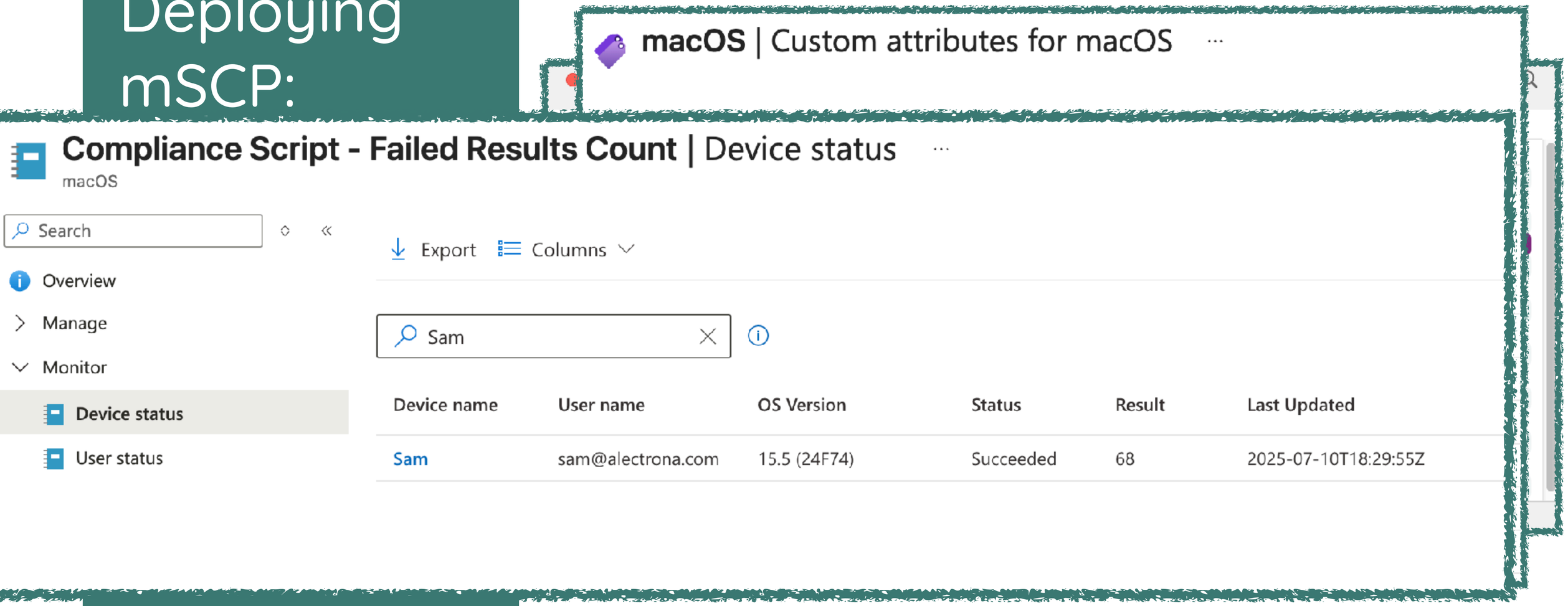
Deploying mSCP:

1. Build in Jamf Compliance Editor
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3. Execute compliance script daily
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Jamf Compliance Editor: https://trusted.jamf.com/docs/establishing-compliance-baselines

Deploying mSCP:

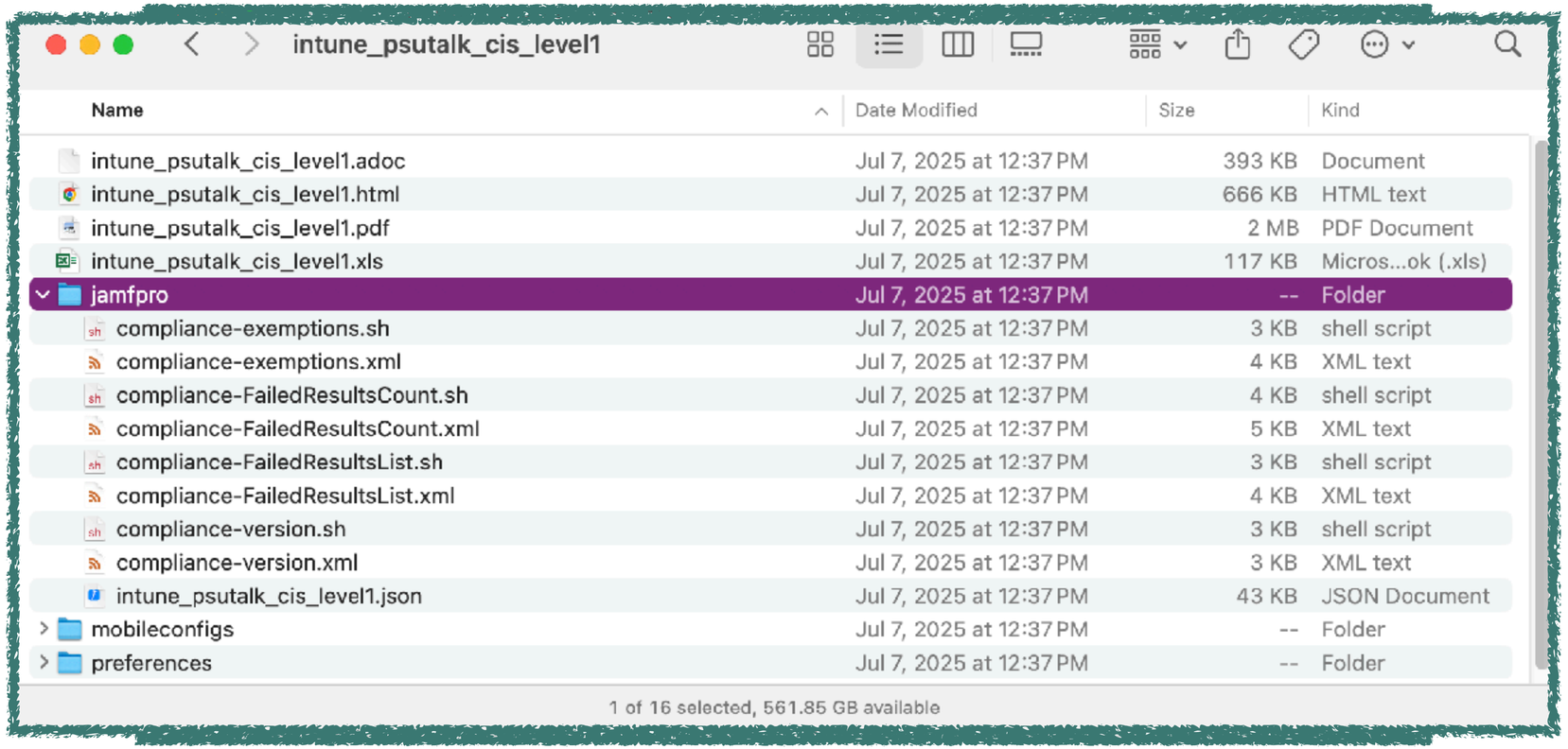


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What Intune needs help with

Enrollment
App Management
  App Restrictions
Reporting

App Management

Deploying apps with Intune



Line of Business (LOB)



Built In (Office, Defender, Edge)



Volume Purchase Program (VPP)



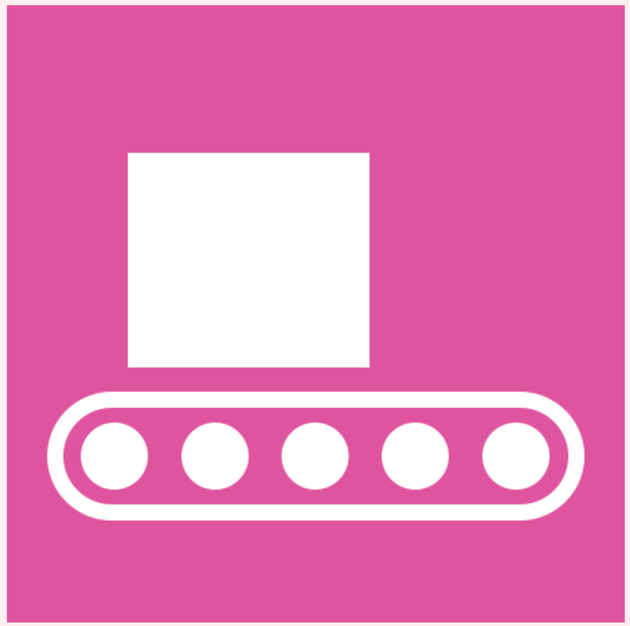
macOS app PKG / DMG (unmanaged)



Scripts

Deploying apps with 3rd party tools

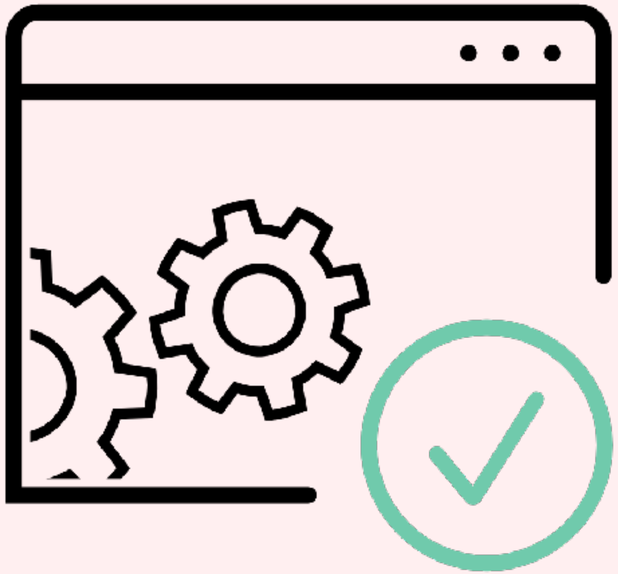
Deploying apps with 3rd party tools



Autopkg



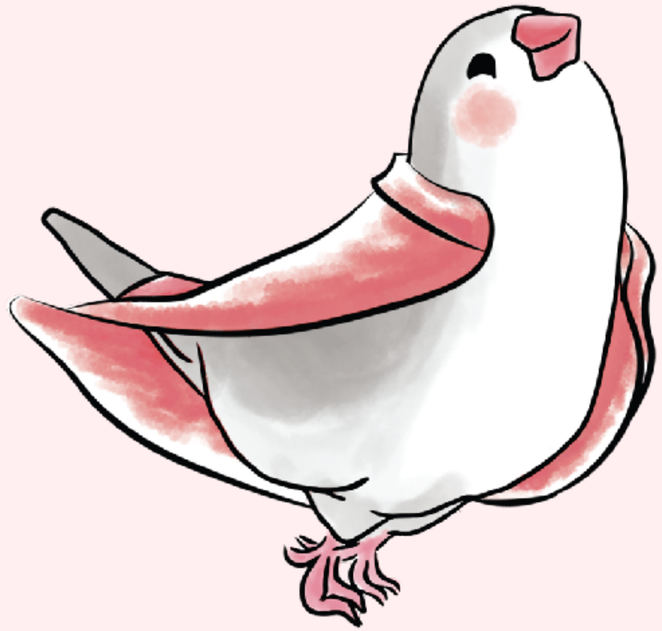
Munki



Installomator



IntuneBrew



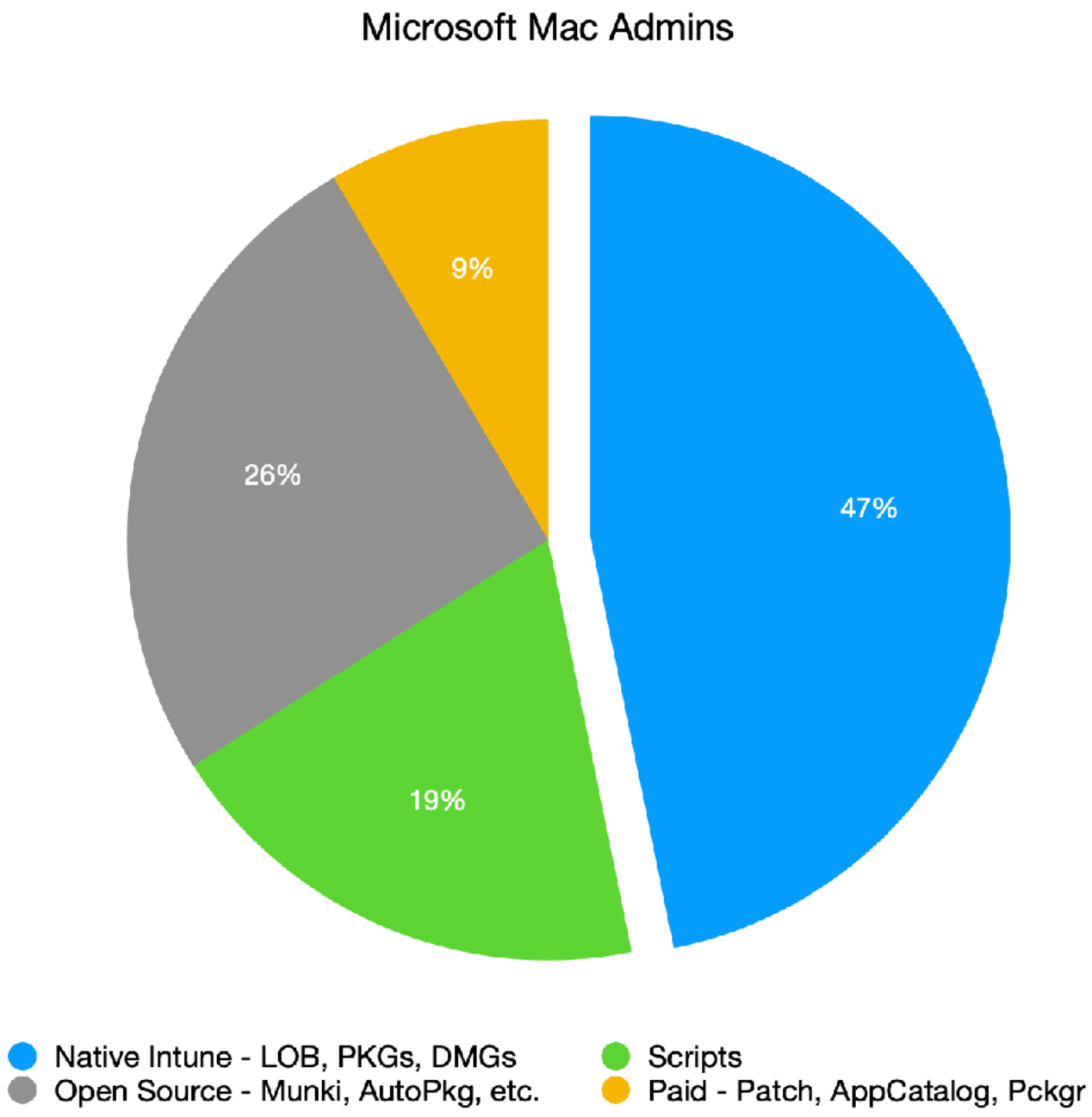
Alectrona Patch



What are you using for Application deployment/management in Intune?

You can see how people vote. **Learn more**

Native Intune - LOB,PKGs,DMGs	47%
Scripts	19%
OpenSource - Munki,AutoPkg,etc	26%
Paid - Patch,AppCatalog,Pckgr	9%



Microsoft Mac Admins App Installation Method

Method	Votes
Native Intune - LOB, PKGs, DMGs	22
Scripts	9
Open Source - Munki, AutoPkg, etc.	12
Paid - Patch, AppCatalog, Pckgr	4

Simple Poll APP 9:30 AM

What are you using for Application deployment/management in Intune?

1 Native Intune (LOB, macOS app, DMGs, etc) 25 — 1
@Evan M, @Benjamin Høegh, @Ability_CN, @rfreeman, @Keyofmiracles, @thomasdam, @umllr, @mac4thewin, @Jose Castillo, @Dustin Kraus, @tcp, @roberthammen, @Antoine R, @Kristian, @Liongs, @KP, @Fernando Mata, @igu, @Nico Johann, @andyc, @Øystein Svendsen, @Semin, @J.T. Graanstra, @ttvgd, @Dean

2 Scripts (s3, azure blob, webhosted, directly from vendor's cdn) 9 — 2
@michaelpetrella, @George Babichev, @Jose Castillo, @Partario, @Jotai, @anthony, @Liongs, @Benjamin Høegh, @Dean

3 AutoPkg 8 — 3
@Tobias Almen, @Jose Castillo, @Antoine R, @Steve, @gilburns, @Aayden M, @ttvgd, @Dean

4 Munki 13 — 4
@fatmrcrab, @gilburns, @Tobias Almen, @Glaurung, @rrenstrom, @Jotai, @Jose Castillo, @nathanr, @Antoine R, @Randy, @Isaac R, @J.T. Graanstra, @ttvgd

5 Alectrona Patch 1 — 5
@amyers22

6 Installomator 5 — 6
@Benjamin Høegh, @Jose Castillo, @igu, @coasty, @Øystein Svendsen

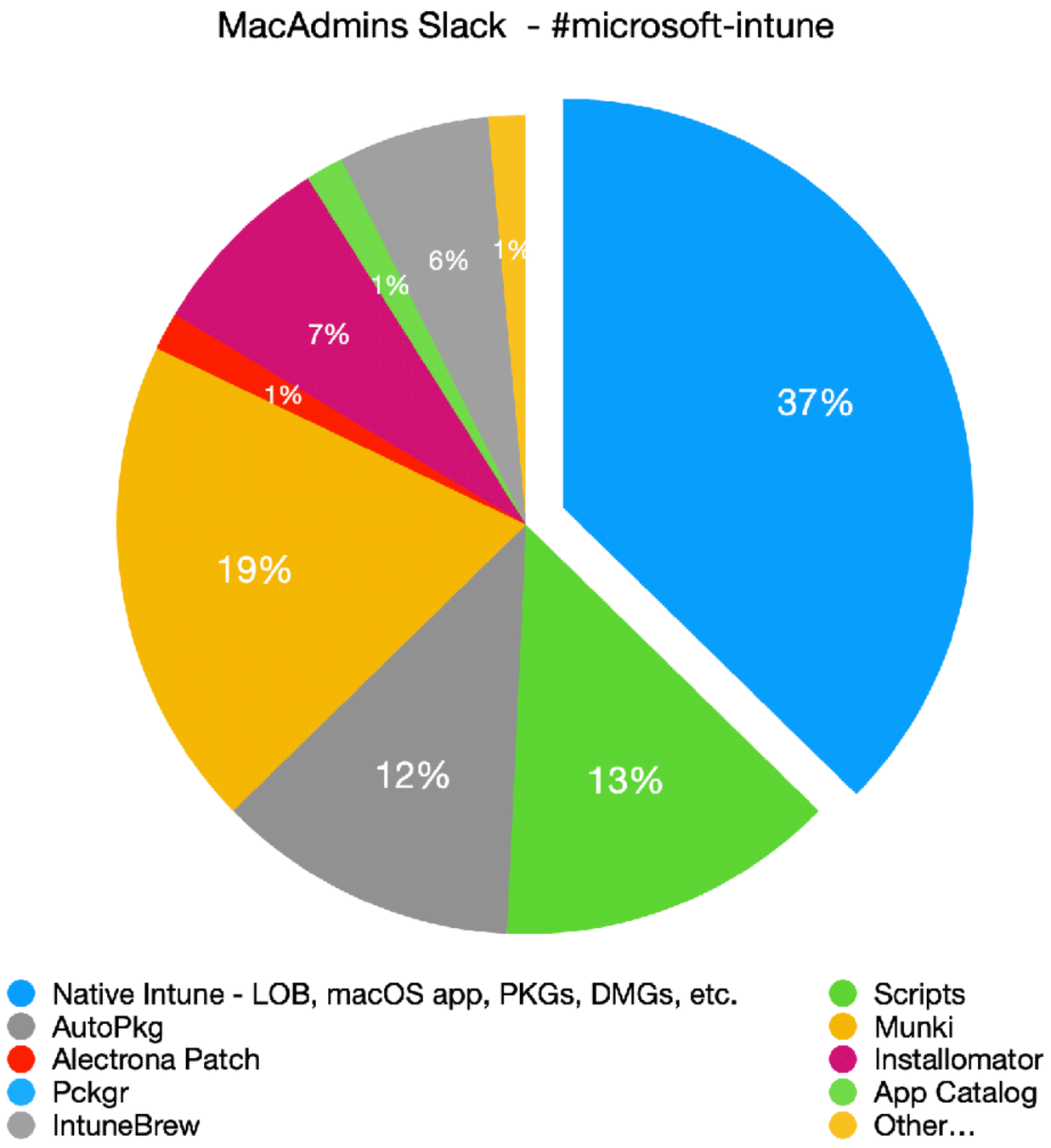
7 Pckgr — 7

8 App Catalog 1 — 8
@techtodd

9 IntuneBrew 4 — 9
@Ability_CN, @Fernando Mata, @Henry, @Chris

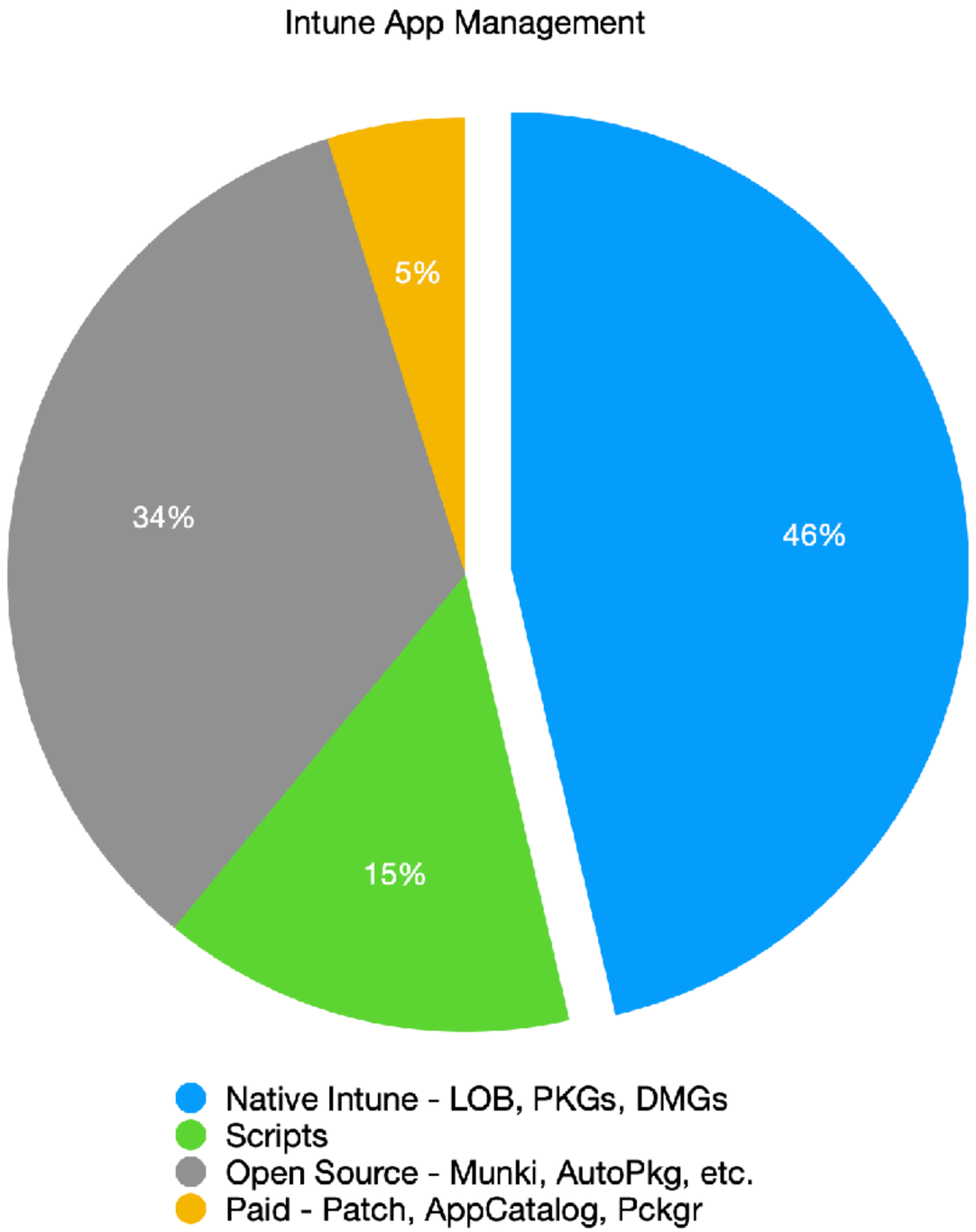
10 Other... (comment in thread) 1 — 10
@Benjamin Høegh

Respondents: 45



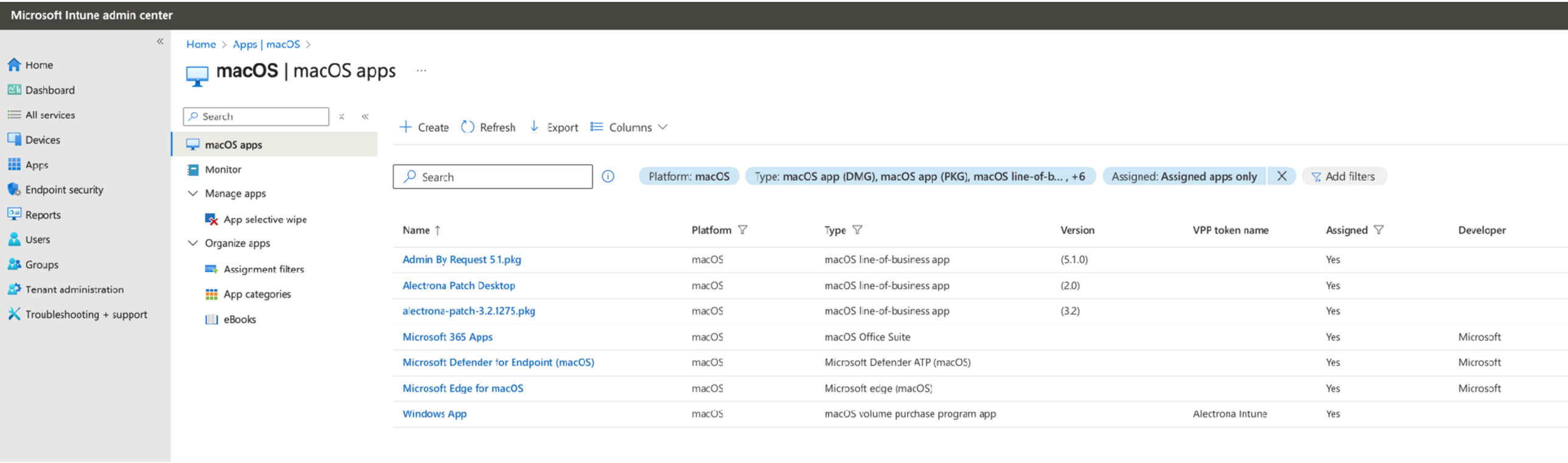
MacAdmins Slack - #microsoft-intune

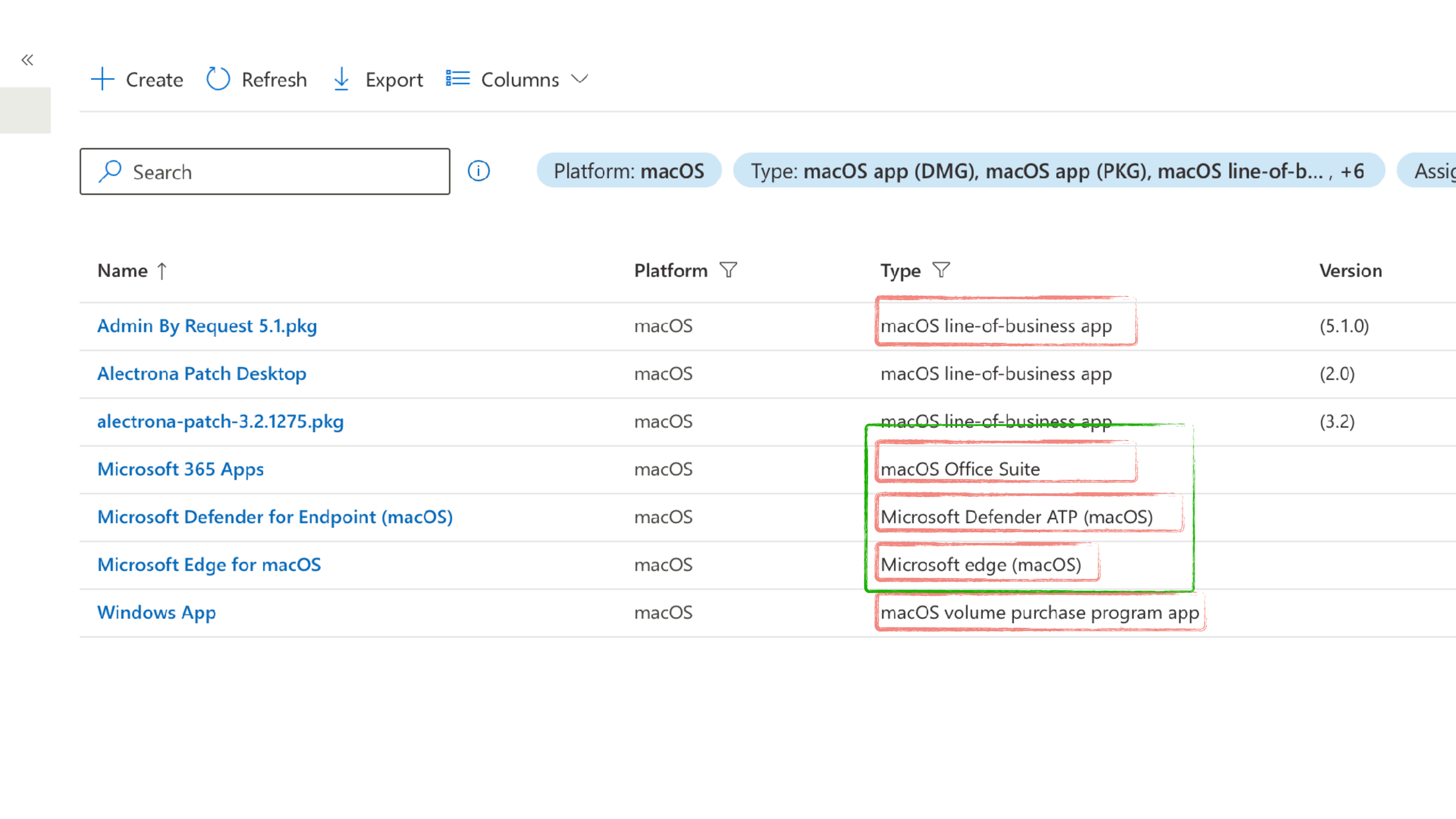
Method	Votes
Native Intune - LOB, macOS app, PKGs, DMGs, etc.	25
Scripts	9
AutoPkg	8
Munki	13
Alectrona Patch	1
Installomator	5
Pckgr	
App Catalog	1
IntuneBrew	4
Other…	1



Intune App Management

Method	Votes
Native Intune - LOB, PKGs, DMGs	57
Scripts	18
Open Source - Munki, AutoPkg, etc.	42
Paid - Patch, AppCatalog, Pckgr	6


Microsoft Intune admin center
Home
Dashboard
All services
Devices
Apps
Endpoint security
Reports
Users
Groups
Tenant administration
Troubleshooting + support
Home > Apps | macOS >
macOS | macOS apps
Search
macOS apps
Monitor
Manage apps
App selective wipe
Organize apps
Assignment filters
App categories
eBooks
Create
Refresh
Export
Columns
Search
Platform: macOS
Type: macOS app (DMG), macOS app (PKG), macOS line-of-b... , +6
Assigned: Assigned apps only
Add filters
Name
Platform
Type
Version
VPP token name
Assigned
Developer
Admin By Request 5.1.pkg
macOS
macOS line-of-business app
(5.1.0)
Yes
Alectrona Patch Desktop
macOS
macOS line-of-business app
(2.0)
Yes
alectrona-patch-3.2.1275.pkg
macOS
macOS line-of-business app
(3.2)
Yes
Microsoft 365 Apps
macOS
macOS Office Suite
Yes
Microsoft
Microsoft Defender for Endpoint (macOS)
macOS
Microsoft Defender ATP (macOS)
Yes
Microsoft
Microsoft Edge for macOS
macOS
Microsoft edge (macOS)
Yes
Microsoft
Windows App
macOS
macOS volume purchase program app
Alectrona Intune
Yes


Create
Refresh
Export
Columns
Search
Platform: macOS
Type: macOS app (DMG), macOS app (PKG), macOS line-of-b... , +6
Name
Platform
Type
Version
Admin By Request 5.1.pkg
macOS
macOS line-of-business app
(5.1.0)
Alectrona Patch Desktop
macOS
macOS line-of-business app
(2.0)
alectrona-patch-3.2.1275.pkg
macOS
macOS line-of-business app
(3.2)
Microsoft 365 Apps
macOS
macOS Office Suite
Microsoft Defender for Endpoint (macOS)
macOS
Microsoft Defender ATP (macOS)
Microsoft Edge for macOS
macOS
Microsoft edge (macOS)
Windows App
macOS
macOS volume purchase program app



+ Create Refresh Export Columns

Search

Platform: **macOS** Type: **macOS app (DMG), macOS app (PKG), macOS line-of-b... , +6** Assig

Name ↑	Platform	Type	Version
Admin By Request 5.1.pkg	macOS	macOS line-of-business app	(5.1.0)
Alectrona Patch Desktop	macOS	macOS line-of-business app	(2.0)
alectrona-patch-3.2.1275.pkg	macOS	macOS line-of-business app	(3.2)
Microsoft 365 Apps	macOS	macOS Office Suite	
Microsoft Defender for Endpoint (macOS)	macOS	Microsoft Defender ATP (macOS)	
Microsoft Edge for macOS	macOS	Microsoft edge (macOS)	
Windows App	macOS	macOS volume purchase program app	

Edit application

Microsoft 365 Apps (macOS)

App information | Review + save

Name * : Microsoft 365 Apps

Description * : Microsoft 365 Apps for macOS

Publisher : Microsoft

Category : Productivity

Show this as a featured app in the Company Portal : Yes | No

Information URL : https://products.office.com/explore-office-for-home

Privacy URL : https://privacy.microsoft.com/privacystatement

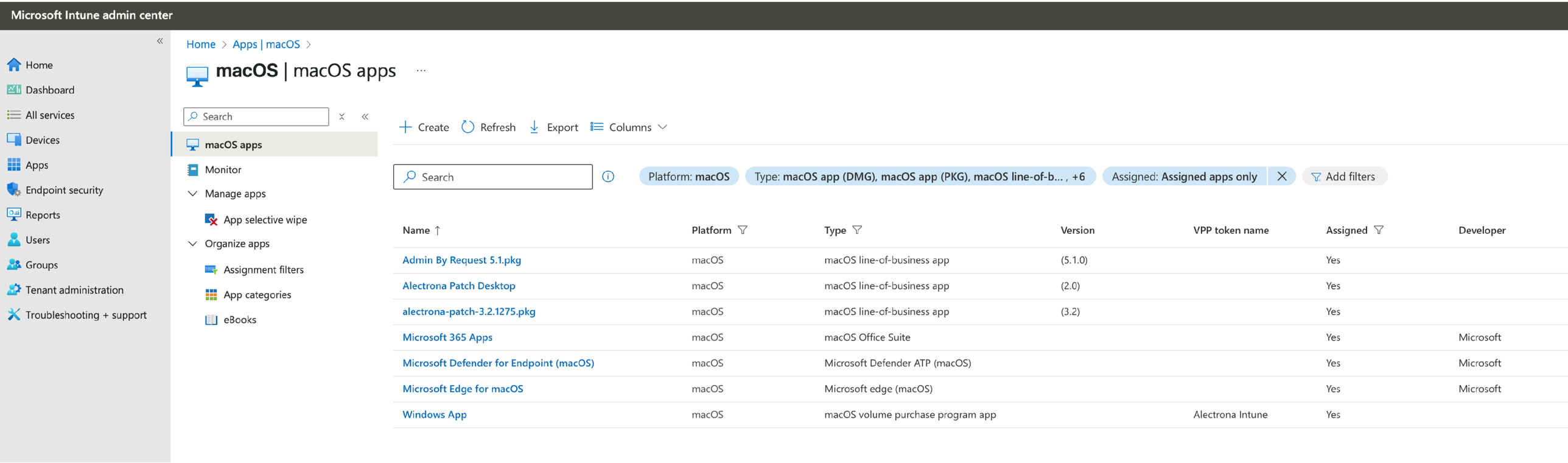
Developer : Microsoft

Owner : Microsoft

Notes :

Logo : Change image

Office


Microsoft Intune admin center
Home
Dashboard
All services
Devices
Apps
Endpoint security
Reports
Users
Groups
Tenant administration
Troubleshooting + support
Home > Apps | macOS >
macOS | macOS apps
Search
macOS apps
Monitor
Manage apps
App selective wipe
Organize apps
Assignment filters
App categories
eBooks
Create
Refresh
Export
Columns
Search
Platform: macOS
Type: macOS app (DMG), macOS app (PKG), macOS line-of-b... , +6
Assigned: Assigned apps only
Add filters
Name
Platform
Type
Version
VPP token name
Assigned
Developer
Admin By Request 5.1.pkg
macOS
macOS line-of-business app
(5.1.0)
Yes
Alectrona Patch Desktop
macOS
macOS line-of-business app
(2.0)
Yes
alectrona-patch-3.2.1275.pkg
macOS
macOS line-of-business app
(3.2)
Yes
Microsoft 365 Apps
macOS
macOS Office Suite
Yes
Microsoft
Microsoft Defender for Endpoint (macOS)
macOS
Microsoft Defender ATP (macOS)
Yes
Microsoft
Microsoft Edge for macOS
macOS
Microsoft edge (macOS)
Yes
Microsoft
Windows App
macOS
macOS volume purchase program app
Alectrona Intune
Yes

+ Create Refresh Export Columns

Search

Platform: **macOS** Type: **macOS app (DMG), macOS app (PKG), macOS line-of-b... , +6** Assig

Name ↑	Platform	Type	Version
Admin By Request 5.1.pkg	macOS	macOS line-of-business app	(5.1.0)
Alectrona Patch Desktop	macOS	macOS line-of-business app	(2.0)
alectrona-patch-3.2.1275.pkg	macOS	macOS line-of-business app	(3.2)
Microsoft 365 Apps	macOS	macOS Office Suite	
Microsoft Defender for Endpoint (macOS)	macOS	Microsoft Defender ATP (macOS)	
Microsoft Edge for macOS	macOS	Microsoft edge (macOS)	
Windows App	macOS	macOS volume purchase program app	

Edit application

macOS volume purchase program app

App information | Review + save

Name	Windows App
Description	Enter a description...
Publisher	Microsoft Corporation
Appstore URL	
Applicable device type	0 selected
Category	Other apps
Show this as a featured app in the Company Portal	Yes / No
Information URL	https://apps.apple.com/us/app/windows-app/id1295203466?mt=12
Privacy URL	Enter a valid url
Developer	
Owner	
Notes	
Logo	Change image

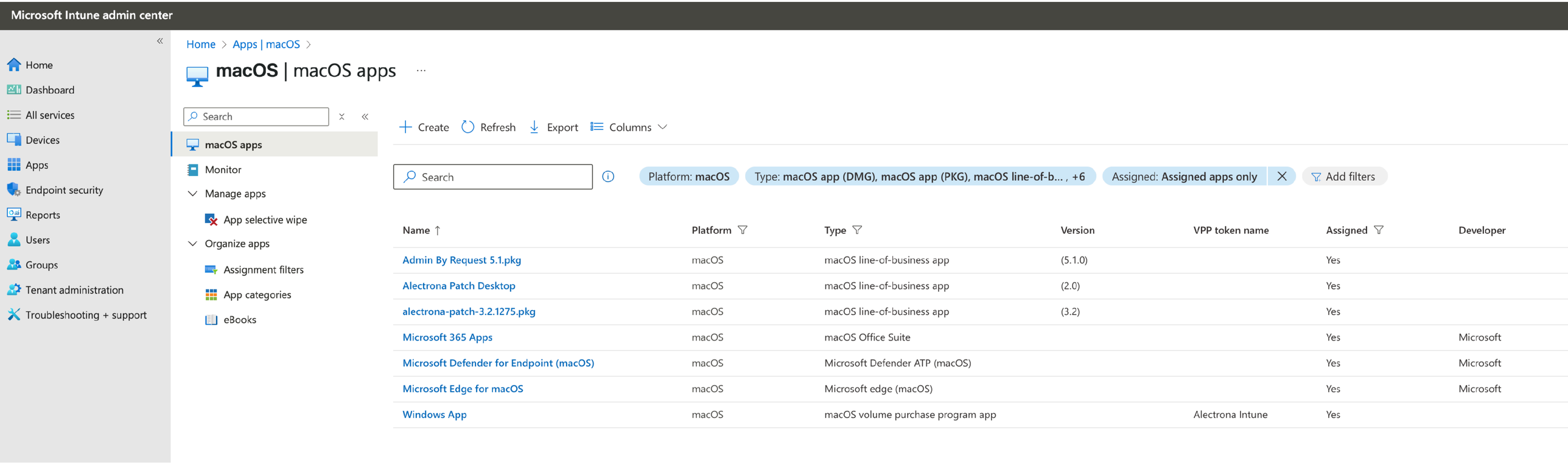


App type	macOS volume purchase program app
Supports device context assignment	true
Available licenses	47
Total licenses	50

Description	Enter a description...
Publisher	Microsoft Corporation
Appstore URL	
Applicable device type	0 selected
Category	Other apps
Show this as a featured app in the Company Portal	Yes / No
Information URL	https://apps.apple.com/us/app/windows-app/id1295203466?mt=12
Privacy URL	Enter a valid url
Developer	
Owner	
Notes	
Logo	Change image



App type	macOS volume purchase program app
Supports device context assignment	true
Available licenses	47
Total licenses	50


Microsoft Intune admin center
Home
Dashboard
All services
Devices
Apps
Endpoint security
Reports
Users
Groups
Tenant administration
Troubleshooting + support
Home > Apps | macOS >
macOS | macOS apps
Search
macOS apps
Monitor
Manage apps
App selective wipe
Organize apps
Assignment filters
App categories
eBooks
Create
Refresh
Export
Columns
Search
Platform: macOS
Type: macOS app (DMG), macOS app (PKG), macOS line-of-b... , +6
Assigned: Assigned apps only
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Platform
Type
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VPP token name
Assigned
Developer
Admin By Request 5.1.pkg
macOS
macOS line-of-business app
(5.1.0)
Yes
Alectrona Patch Desktop
macOS
macOS line-of-business app
(2.0)
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alectrona-patch-3.2.1275.pkg
macOS
macOS line-of-business app
(3.2)
Yes
Microsoft 365 Apps
macOS
macOS Office Suite
Yes
Microsoft
Microsoft Defender for Endpoint (macOS)
macOS
Microsoft Defender ATP (macOS)
Yes
Microsoft
Microsoft Edge for macOS
macOS
Microsoft edge (macOS)
Yes
Microsoft
Windows App
macOS
macOS volume purchase program app
Alectrona Intune
Yes

+ Create Refresh Export Columns

Search

Platform: **macOS** Type: **macOS app (DMG), macOS app (PKG), macOS line-of-b... , +6** Assig

Name ↑	Platform	Type	Version
Admin By Request 5.1.pkg	macOS	macOS line-of-business app	(5.1.0)
Alectrona Patch Desktop	macOS	macOS line-of-business app	(2.0)
alectrona-patch-3.2.1275.pkg	macOS	macOS line-of-business app	(3.2)
Microsoft 365 Apps	macOS	macOS Office Suite	
Microsoft Defender for Endpoint (macOS)	macOS	Microsoft Defender ATP (macOS)	
Microsoft Edge for macOS	macOS	Microsoft edge (macOS)	
Windows App	macOS	macOS volume purchase program app	

Home
Dashboard
All services
Devices
Apps
Endpoint security
Reports
Users
Groups
Tenant administration
Troubleshooting + support

Edit application

macOS line-of-business app

App information | Review + save

Select file to update * — Admin By Request 5.1.pkg

Name * — Admin By Request 5.1.pkg

Description * — Admin By Request 5.1.pkg

Publisher * — Admin by Request

The minimum operating system for uploading a .pkg file is macOS 10.14. Upload a .pkg file to select an older minimum operating system.

Minimum operating system * — macOS Mojave 10.14

Ignore app version — Yes / No

Install as managed — Yes / No

Included apps *

Review the included apps list to edit apps or remove anything that isn't an app. The app listed first is used as the primary app in app reporting. The app version can be the CFBundleShortVersionString or CFBundleVersion. Learn more about included apps.

App bundle ID (CFBundleIdentifier)	App version (CFBundleShortVersionString)
com.fasttracksoftware.adminbyrequest	5.1.0
Enter bundle ID	Enter app version

Category — 0 selected

Show this as a featured app in the Company Portal — Yes / No

Information URL — Enter a valid url

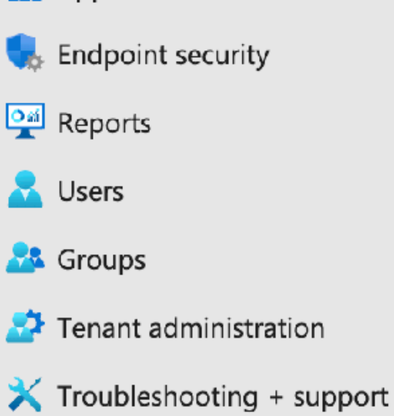
Privacy URL — Enter a valid url

Developer

Owner

Notes

Logo — Select image



Select file to update * Admin By Request 5.1.pkg

Name * Admin By Request 5.1.pkg

Description * Admin By Request 5.1.pkg

Publisher * Admin by Request

The minimum operating system for uploading a .pkg file is macOS 10.14. Upload a .pkg file to select an older minimum operating system.

Minimum operating system * macOS Mojave 10.14

Ignore app version Yes No

Install as managed Yes No

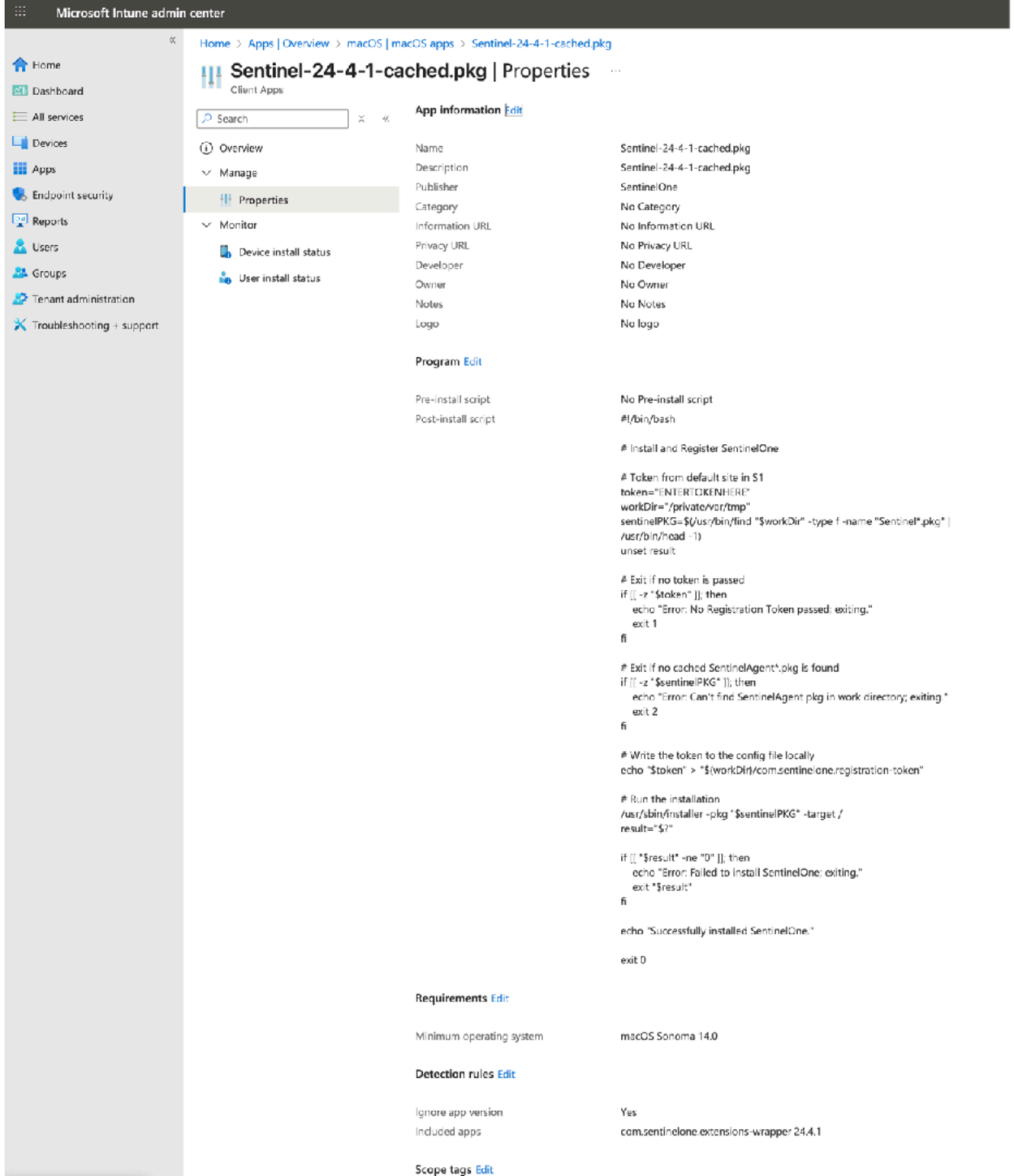
Included apps *

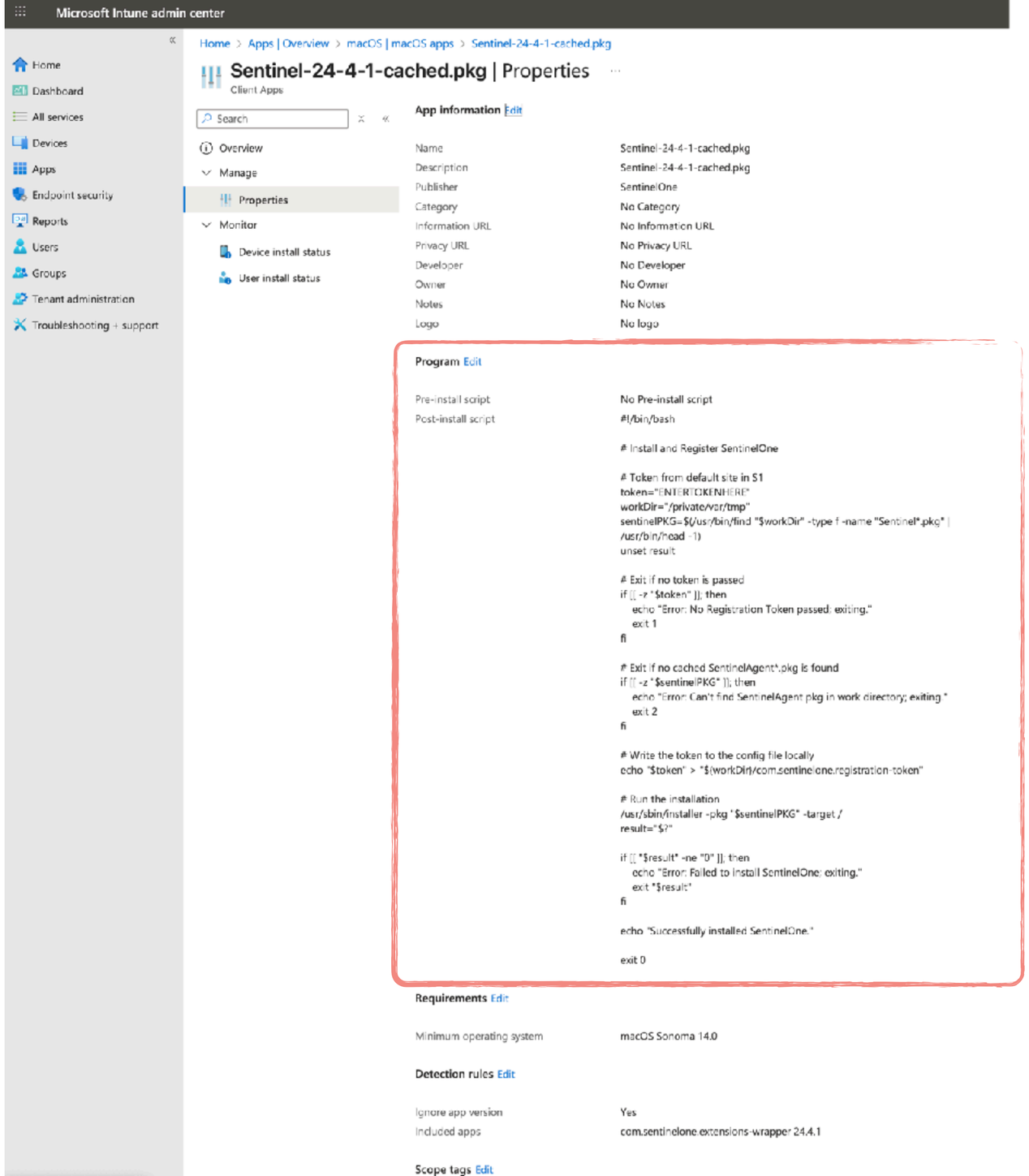
Review the included apps list to edit apps or remove anything that isn't an app. The app listed first is used as the primary app in app reporting. The app version can be the CFBundleShortVersionString or CFBundleVersion. Learn more about included apps.

App bundle ID (CFBundleIdentifier)	App version (CFBundleShortVersionString)
com.fasttracksoftware.adminbyrequest	5.1.0
Enter bundle ID	Enter app version

Category 0 selected

Show this as a featured app in the Yes No


Microsoft Intune admin center
Home
Dashboard
All services
Devices
Apps
Endpoint security
Reports
Users
Groups
Tenant administration
Troubleshooting + support
Home > Apps | Overview > macOS | macOS apps > Sentinel-24-4-1-cached.pkg
Sentinel-24-4-1-cached.pkg | Properties
Client Apps
Search
Overview
Manage
Properties
Monitor
Device install status
User install status
App information Edit
Name Sentinel-24-4-1-cached.pkg
Description Sentinel-24-4-1-cached.pkg
Publisher SentinelOne
Category No Category
Information URL No Information URL
Privacy URL No Privacy URL
Developer No Developer
Owner No Owner
Notes No Notes
Logo No logo
Program Edit
Pre-install script No Pre-install script
Post-install script
#!/bin/bash
Install and Register SentinelOne
Token from default site in S1
token="ENTERTOKENHERE"
workDir="/private/var/tmp"
sentinelPKG=$(/usr/bin/find "$workDir" -type f -name "Sentinel*.pkg" | /usr/bin/head -1)
unset result
Exit if no token is passed
if [[-z "$token"]]; then
echo "Error: No Registration Token passed; exiting."
exit 1
fi
Exit if no cached SentinelAgent*.pkg is found
if [[-z "$sentinelPKG"]]; then
echo "Error: Can't find SentinelAgent pkg in work directory; exiting."
exit 2
fi
Write the token to the config file locally
echo "$token" > "${workDir}/com.sentinelone.registration-token"
Run the installation
/usr/sbin/installer -pkg "$sentinelPKG" -target /
result="$?"
if [["$result" -ne "0"]]; then
echo "Error: Failed to install SentinelOne; exiting."
exit "$result"
fi
echo "Successfully installed SentinelOne."
exit 0
Requirements Edit
Minimum operating system macOS Sonoma 14.0
Detection rules Edit
Ignore app version Yes
Included apps com.sentinelone.extensions-wrapper 24.4.1
Scope tags Edit


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Description Sentinel-24-4-1-cached.pkg
Publisher SentinelOne
Category No Category
Information URL No Information URL
Privacy URL No Privacy URL
Developer No Developer
Owner No Owner
Notes No Notes
Logo No logo
Program Edit
Pre-install script No Pre-install script
Post-install script
#!/bin/bash
Install and Register SentinelOne
Token from default site in S1
token="ENTERTOKENHERE"
workDir="/private/var/tmp"
sentinelPKG=$(/usr/bin/find "$workDir" -type f -name "Sentinel*.pkg" | /usr/bin/head -1)
unset result
Exit if no token is passed
if [[-z "$token"]]; then
echo "Error: No Registration Token passed; exiting."
exit 1
fi
Exit if no cached SentinelAgent*.pkg is found
if [[-z "$sentinelPKG"]]; then
echo "Error: Can't find SentinelAgent pkg in work directory; exiting."
exit 2
fi
Write the token to the config file locally
echo "$token" > "${workDir}/com.sentinelone.registration-token"
Run the installation
/usr/sbin/installer -pkg "$sentinelPKG" -target /
result="$?"
if [["$result" -ne "0"]]; then
echo "Error: Failed to install SentinelOne; exiting."
exit "$result"
fi
echo "Successfully installed SentinelOne."
exit 0
Requirements Edit
Minimum operating system macOS Sonoma 14.0
Detection rules Edit
Ignore app version Yes
Included apps com.sentinelone.extensions-wrapper 24.4.1
Scope tags Edit

Pre-install script

No Pre-install script

Post-install script

```
#!/bin/bash

# Install and Register SentinelOne

# Token from default site in S1
token="ENTERTOKENHERE"
workDir="/private/var/tmp"
sentinelPKG=$(/usr/bin/find "$workDir" -type f -name "Sentinel*.pkg" |
/usr/bin/head -1)
unset result

# Exit if no token is passed
if [[ -z "$token" ]]; then
   echo "Error: No Registration Token passed; exiting."
   exit 1
fi

# Exit if no cached SentinelAgent*.pkg is found
if [[ -z "$sentinelPKG" ]]; then
   echo "Error: Can't find SentinelAgent pkg in work directory; exiting."
   exit 2
fi

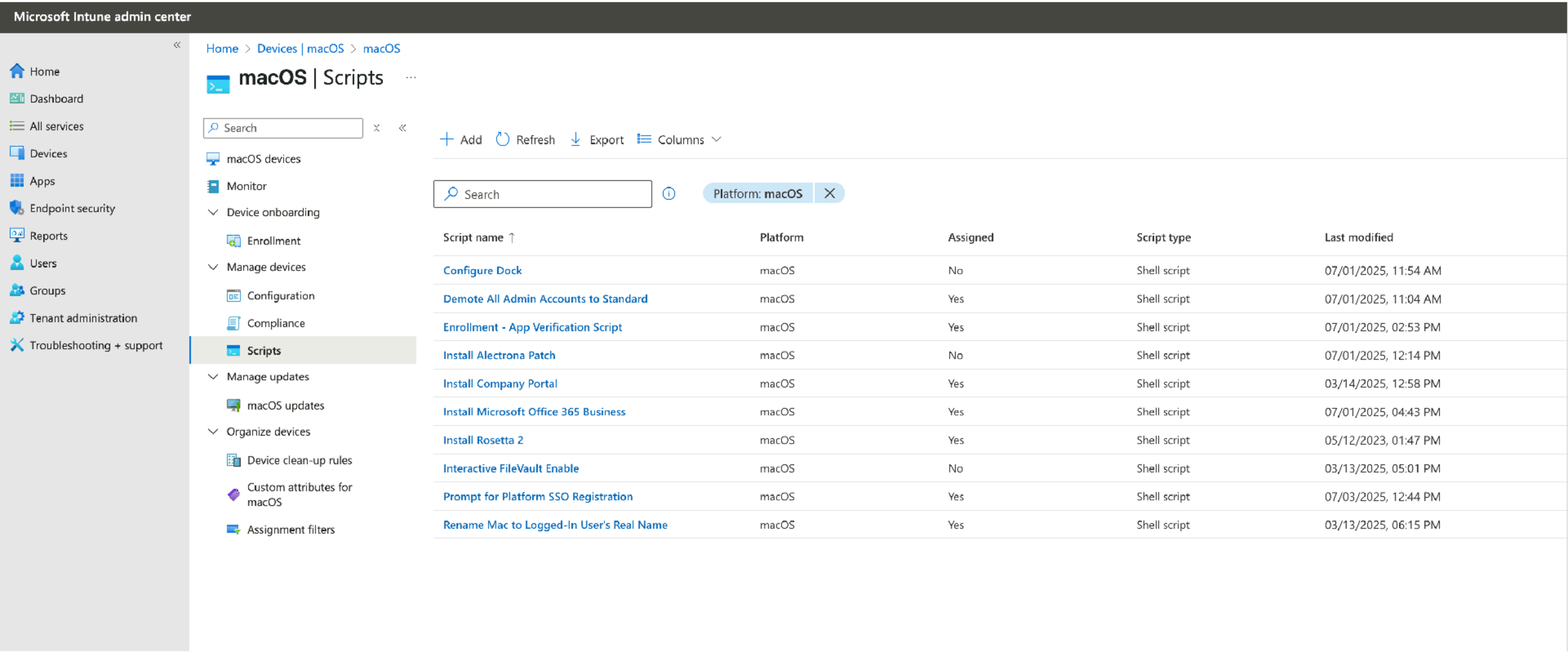
# Write the token to the config file locally
echo "$token" > "${workDir}/com.sentinelone.registration-token"

# Run the installation
/usr/sbin/installer -pkg "$sentinelPKG" -target /
result="$?"

if [[ "$result" -ne "0" ]]; then
   echo "Error: Failed to install SentinelOne; exiting."
   exit "$result"
fi

echo "Successfully installed SentinelOne."

exit 0
```


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Enrollment - App Verification Script macOS Yes Shell script 07/01/2025, 02:53 PM
Install Alectrona Patch macOS No Shell script 07/01/2025, 12:14 PM
Install Company Portal macOS Yes Shell script 03/14/2025, 12:58 PM
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Platform: **macOS**

Script name ↑	Platform	Assigned	Script type
Configure Dock	macOS	No	Shell script
Demote All Admin Accounts to Standard	macOS	Yes	Shell script
Enrollment - App Verification Script	macOS	Yes	Shell script
Install Alectrona Patch	macOS	No	Shell script
Install Company Portal	macOS	Yes	Shell script
Install Microsoft Office 365 Business	macOS	Yes	Shell script
Install Rosetta 2	macOS	Yes	Shell script
Interactive FileVault Enable	macOS	No	Shell script
Prompt for Platform SSO Registration	macOS	Yes	Shell script
Rename Mac to Logged-In User's Real Name	macOS	Yes	Shell script

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Search

Platform: macOS

Script name ↑	Platform	Assigned	Script type
Configure Dock	macOS	No	Shell script
Demote All Admin Accounts to Standard	macOS	Yes	Shell script
Enrollment - App Verification Script	macOS	Yes	Shell script
Install Alectrona Patch	macOS	No	Shell script
Install Company Portal	macOS	Yes	Shell script
Install Microsoft Office 365 Business	macOS	Yes	Shell script
Install Rosetta 2	macOS	Yes	Shell script
Interactive FileVault Enable	macOS	No	Shell script
Prompt for Platform SSO Registration	macOS	Yes	Shell script
Rename Mac to Logged-In User's Real Name	macOS	Yes	Shell script

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Basics Edit

Name	Install Microsoft Office 365 Business
Description	No Description

Settings Edit

Shell script

Intune - Install Microsoft Office 365 Business.sh

File contents

```
#!/bin/bash

# Default choices (1 = install, 0 = don't install)
installWordChoice="1"
installExcelChoice="1"
installPowerPointChoice="1"
installOutlookChoice="1"
installOneNoteChoice="1"
installOneDriveChoice="0"
installAutoUpdateChoice="1"
```

Run script as signed-in user	No
Hide script notifications on devices	Yes
Script frequency	Not configured
Max number of times to retry if script fails	3 times

Scope tags Edit

Default

Assignments Edit

Included groups	All Devices
Excluded groups	No Excluded groups

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Install Microsoft Office 365 Business | Properties

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Basics Edit

Name	Install Microsoft Office 365 Business
Description	No Description

Settings Edit

Shell script: Intune - Install Microsoft Office 365 Business.sh

File contents

```
#!/bin/bash

# Default choices (1 = install, 0 = don't install)
installWordChoice="1"
installExcelChoice="1"
installPowerPointChoice="1"
installOutlookChoice="1"
installOneNoteChoice="1"
installOneDriveChoice="0"
installAutoUpdateChoice="1"
```

Run script as signed-in user	No
Hide script notifications on devices	Yes
Script frequency	Not configured
Max number of times to retry if script fails	3 times

Scope tags Edit

Default

Assignments Edit

Included groups	All Devices
Excluded groups	No Excluded groups

```
#!/bin/bash

# Default choices (1 = install, 0 = don't install)
installWordChoice="1"
installExcelChoice="1"
installPowerPointChoice="1"
installOutlookChoice="1"
installOneNoteChoice="1"
installOneDriveChoice="0"
installAutoUpdateChoice="1"
installTeamsChoice="0"

# Additional variables
downloadURL="https://go.microsoft.com/fwlink/?linkid=2009112"
uuid=$(/usr/bin/uuidgen)
workDir="/private/tmp/$uuid"

function clean_up () {
    echo "Cleaning up installation files..."
    /bin/rm -Rf "$workDir"
    /bin/ps -p "$caffeinatePID" > /dev/null && /bin/kill "$caffeinatePID"; wait "$caffeinatePID" 2>/dev/null
}

# Clean up our temporary files upon exiting at any time
trap "clean_up" EXIT

# Caffeinate the Mac so it does not sleep
/usr/bin/caffeinate -d -i -m -u &
caffeinatePID=$!

# Make our working directory with our unique UUID generated in the variables section
/bin/mkdir -p "$workDir"

# Create the choices.xml
echo "Creating the choices.xml..."
/bin/cat << EOF > "$workDir/choices.xml"
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<array>
    <dict>
        <key>attributeSetting</key>
        <integer>$installWordChoice</integer>
        <key>choiceAttribute</key>
        <string>selected</string>
        <key>choiceIdentifier</key>
        <string>com.microsoft.word</string>
    </dict>
    <dict>
        <key>attributeSetting</key>
        <integer>$installExcelChoice</integer>
        <key>choiceAttribute</key>
        <string>selected</string>
        <key>choiceIdentifier</key>
        <string>com.microsoft.excel</string>
    </dict>
    <dict>
        <key>attributeSetting</key>
        <integer>$installPowerPointChoice</integer>
        <key>choiceAttribute</key>
        <string>selected</string>
        <key>choiceIdentifier</key>
        <string>com.microsoft.powerpoint</string>
    </dict>
    <dict>
        <key>attributeSetting</key>
        <integer>$installAutoUpdateChoice</integer>
        <key>choiceAttribute</key>
        <string>selected</string>
        <key>choiceIdentifier</key>
        <string>com.microsoft.autoupdate</string>
    </dict>
    <dict>
        <key>attributeSetting</key>
        <integer>$installOneNoteChoice</integer>
        <key>choiceAttribute</key>
        <string>selected</string>
        <key>choiceIdentifier</key>
        <string>com.microsoft.onenote.mac</string>
    </dict>
    <dict>
        <key>attributeSetting</key>
        <integer>$installOutlookChoice</integer>
        <key>choiceAttribute</key>
        <string>selected</string>
        <key>choiceIdentifier</key>
        <string>com.microsoft.outlook</string>
    </dict>
    <dict>
        <key>attributeSetting</key>
        <integer>$installOneDriveChoice</integer>
        <key>choiceAttribute</key>
        <string>selected</string>
        <key>choiceIdentifier</key>
        <string>com.microsoft.OneDrive</string>
    </dict>
    <dict>
        <key>attributeSetting</key>
        <integer>$installTeamsChoice</integer>
        <key>choiceAttribute</key>
        <string>selected</string>
        <key>choiceIdentifier</key>
        <string>com.microsoft.teams2</string>
    </dict>
</array>
</plist>
EOF

# Exit if there was an error with the curl
echo "Downloading the installation files..."
if ! /usr/bin/curl -s -L -f "$downloadURL" -o "$workDir/installMedium.pkg" ; then
    echo "Error while downloading the installation files; exiting."
    exit 2
fi

# Exit if the PKG errored during install
if ! /usr/sbin/installer -pkg "$workDir/installMedium.pkg" -target / -applyChoiceChangesXML "$workDir/choices.xml"; then
    echo "Failed to install the pkg; exiting."
    exit 3
fi

exit 0
```

```
#!/bin/bash

# Default choices (1 = install, 0 = don't install)
installWordChoice="1"
installExcelChoice="1"
installPowerPointChoice="1"
installOutlookChoice="1"
installOneNoteChoice="1"
installOneDriveChoice="0"
installAutoUpdateChoice="1"
installTeamsChoice="0"

# Additional variables
downloadURL="https://go.microsoft.com/fwlink/?linkid=2009112"
uuid=$(/usr/bin/uuidgen)
workDir="/private/tmp/$uuid"

function clean_up () {
    echo "Cleaning up installation files..."
    /bin/rm -Rf "$workDir"
    /bin/ps -p "$caffeinatePID" > /dev/null && /bin/kill "$caffeinatePID"; wait "$caffeinatePID" 2>/dev/null
}

# Clean up our temporary files upon exiting at any time
trap "clean_up" EXIT

# Caffeinate the Mac so it does not sleep
/usr/bin/caffeinate -d -i -m -u &
caffeinatePID=$!

# Make our working directory with our unique UUID generated in the variables section
/bin/mkdir -p "$workDir"

# Create the choices.xml
echo "Creating the choices.xml ..."
```

```
#!/bin/bash

# Default choices (1 = install, 0 = don't install)
installWordChoice="1"
installExcelChoice="1"
installPowerPointChoice="1"
installOutlookChoice="1"
installOneNoteChoice="1"
installOneDriveChoice="0"
installAutoUpdateChoice="1"
installTeamsChoice="0"

# Additional variables
downloadURL="https://go.microsoft.com/fwlink/?linkid=2009112"
uuid=$(/usr/bin/uuidgen)
workDir="/private/tmp/$uuid"

function clean_up () {
    echo "Cleaning up installation files..."
    /bin/rm -Rf "$workDir"
    /bin/ps -p "$caffeinatePID" > /dev/null && /bin/kill "$caffeinatePID"; wait "$caffeinatePID" 2>/dev/null
}

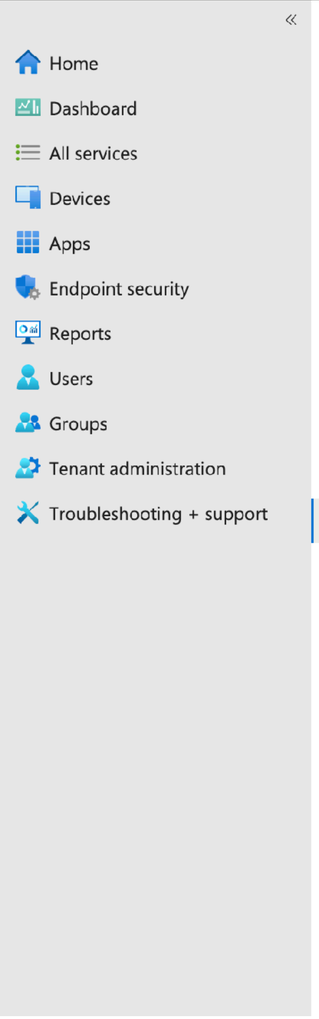
# Clean up our temporary files upon exiting at any time
trap "clean_up" EXIT

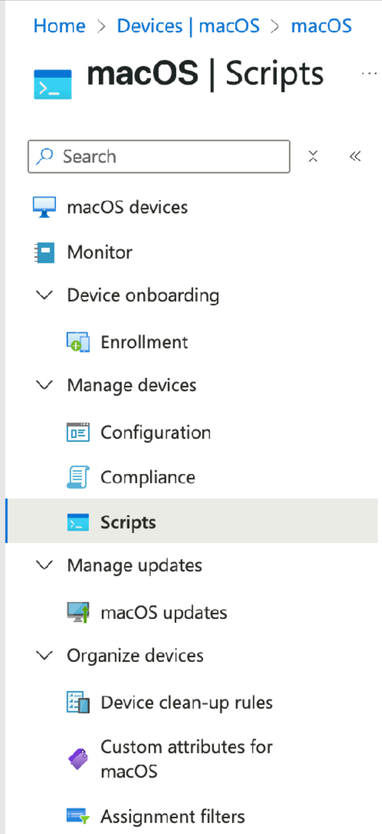
# Caffeinate the Mac so it does not sleep
/usr/bin/caffeinate -d -i -m -u &
caffeinatePID=$!

# Make our working directory with our unique UUID generated in the variables section
/bin/mkdir -p "$workDir"

# Create the choices.xml
echo "Creating the choices.xml ..."
```

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Platform: macOS

Script name ↑	Platform	Assigned	Script type	Last modified
Configure Dock	macOS	No	Shell script	07/01/2025, 11:54 AM
Demote All Admin Accounts to Standard	macOS	Yes	Shell script	07/01/2025, 11:04 AM
Enrollment - App Verification Script	macOS	Yes	Shell script	07/01/2025, 02:53 PM
Install Alectrona Patch	macOS	No	Shell script	07/01/2025, 12:14 PM
Install Company Portal	macOS	Yes	Shell script	03/14/2025, 12:58 PM
Install Microsoft Office 365 Business	macOS	Yes	Shell script	07/01/2025, 04:43 PM
Install Rosetta 2	macOS	Yes	Shell script	05/12/2023, 01:47 PM
Interactive FileVault Enable	macOS	No	Shell script	03/13/2025, 05:01 PM
Prompt for Platform SSO Registration	macOS	Yes	Shell script	07/03/2025, 12:44 PM
Rename Mac to Logged-In User's Real Name	macOS	Yes	Shell script	03/13/2025, 06:15 PM

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Search

Platform: **macOS**

Script name ↑	Platform	Assigned	Script type
Configure Dock	macOS	No	Shell script
Demote All Admin Accounts to Standard	macOS	Yes	Shell script
Enrollment - App Verification Script	macOS	Yes	Shell script
Install Alectrona Patch	macOS	No	Shell script
Install Company Portal	macOS	Yes	Shell script
Install Microsoft Office 365 Business	macOS	Yes	Shell script
Install Rosetta 2	macOS	Yes	Shell script
Interactive FileVault Enable	macOS	No	Shell script
Prompt for Platform SSO Registration	macOS	Yes	Shell script
Rename Mac to Logged-In User's Real Name	macOS	Yes	Shell script

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Platform: macOS

Script name ↑	Platform	Assigned	Script type
Configure Dock	macOS	No	Shell script
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Install Company Portal	macOS	Yes	Shell script
Install Microsoft Office 365 Business	macOS	Yes	Shell script
Install Rosetta 2	macOS	Yes	Shell script
Interactive FileVault Enable	macOS	No	Shell script
Prompt for Platform SSO Registration	macOS	Yes	Shell script
Rename Mac to Logged-In User's Real Name	macOS	Yes	Shell script

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Name	Enrollment - App Verification Script
Description	No Description

Settings Edit

Shell script: Intune - POC Onboarding Script - Alectrona.sh

File contents:

```
#!/bin/bash

##### Intune POC Onboarding script ######

# Variables
dialogBinary="/usr/local/bin/dialog"
appVerifyCommandFile=$(mktemp /Users/Shared/dialogComma
/bin/chmod 755 "$appVerifyCommandFile" # Make command f
dialogIcon="https://cdn.prod.website-files.com/62e1470f
alectronaPatch="/Library/Application Support/Alectrona/
```

Run script as signed-in user	No
Hide script notifications on devices	Yes
Script frequency	Not configured
Max number of times to retry if script fails	3 times

Scope tags Edit

Default

Assignments Edit

Included groups	All Users
Excluded groups	MacAdmin

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Name	Enrollment - App Verification Script
Description	No Description

Settings Edit

Shell script: Intune - POC Onboarding Script - Alectrona.sh

File contents

```
#!/bin/bash

##### Intune POC Onboarding script ######

# Variables
dialogBinary="/usr/local/bin/dialog"
appVerifyCommandFile=$(mktemp /Users/Shared/dialogComma
/bin/chmod 755 "$appVerifyCommandFile" # Make command f
dialogIcon="https://cdn.prod.website-files.com/62e1470f
alectronaPatch="/Library/Application Support/Alectrona/
```

Run script as signed-in user	No
Hide script notifications on devices	Yes
Script frequency	Not configured
Max number of times to retry if script fails	3 times

Scope tags Edit

Default

Assignments Edit

Included groups	All Users
Excluded groups	MacAdmin

```
#!/bin/bash

##### Intune POC Onboarding script #####

# Variables
dialogBinary='/usr/local/bin/dialog'
appNewPrefsCommandFile=$(mktemp /tmp/Shared/dialogCommandFile.XXX)
/bin/chmod 755 "$appNewPrefsCommandFile" # Make command file readable by everyone
dialogIcon="https://code.gov.website.files.com/82/a7f8f6f8e7b41d0b835c82c37cb0c8c9beb61481_Logo_Birdenly.png"
autoMacPath="/Library/Application Support/Electronsa/Patch"
logo="/private/var/log/intune_enboarding.log"
tenantURL="https://asdfmeow.sharepoint.com/sites/Users"
intuneMinutes="Please wait while apps are installed on your device. \n \n Contact End User Support: 212-456-7890"
autoPatchDir="/Library/Application Support/Electronsa"
complete1BGPreferenceFile="/Library/Application Support/JAMFSoftware/com.electronsa.autoenrollment.plist"
jsonLoc="/usr/tmp/appsToVerify.json"

# Cleaning any weak files we exist
function clean_up () {
    echo 'Cleaning up installation files...'
    /bin/rm -f "$appNewPrefsCommandFile"
    /bin/rm -rp '$softwareUpdate' > /dev/null && /bin/kill '$softwareUpdate'; wait 'scriptBinaryFile' 2>/dev/null
}

trap 'clean_up' EXIT

# All output from now on is written also to a log file
/bin/exec > >(while read line; do echo "$(date +"%Y-%m-%d %H:%M:%S") $line" | done | tee "$LOGD"; fi)

# Verify no existing broadcasts already exist for some reason (the mac was previously provisioned with an older version of the onboarding script) and exit if that is the case
if [[ -e "$provisionedMonitored" ]]; then
    /bin/echo "An onboarding script has already run previously on this mac (a location or onboarding breadcrumb exists in Silentreverbs). exiting..."
    exit 0
fi

# Create Electrona directory if needed
/bin/mkdir -p "$electronaDir"

# Confirm swiftDialog is installed, and if needed, wait until it is
while [[ ! -e "$dialogBinary" ]]; do

    if [[ -e "$electronaPatch" ]]; then
        echo "Installing swiftDialog with Electronsa Patch"
        /Library/Application\ Support/Electronsa/Patch/patch :install swiftDialog --force
        sleep 5
        dialogProvisionedV="/usr/local/bin/dialog --version )
        echo "swiftDialog version $(dialogProvision) provisioned"
    else
        echo "Installing swiftDialog MDM direct mode"
        # Get the URL of the latest PKG from the Dialog GitHub repo
        dialogURL=$(curl -L --silent --fail "https://api.github.com/repos/bwi'BDialog/BwiBDialog/releases/latest" | awk -F '"' '/browser_download_url/ && /pkg\"/ { print $4; exit }')

        # Create temporary working directory
        workDirectory=$( /usr/bin/basename "$0" )
        tempDirectory=$( /usr/bin/mktemp -d "/private/tmp/$workDirectory.XXXXXX" )

        # Download the installer package
        /usr/bin/curl --location --silent "$dialogURL" -o "$tempDirectory/Dialog.pkg"
        /usr/sbin/installer -pkg "$tempDirectory/Dialog.pkg" -target /
        sleep 2
        dialogVersion=$( /usr/local/bin/dialog --version )
        echo "swiftDialog version $dialogVersion installed"
        # Remove the temporary working directory when done
        /bin/rm -Rf "$tempDirectory"
    fi
done

echo 'swiftDialog installed, proceeding...'

# Wait for user to sign in before running - below code taken from Dan Snelson's Setup Script (https://github.com/setup-your-mac/setup-your-mac)
until pgrep -q -x "Finder" && pgrep -q -x "Dock"; do
    echo "Finder & Docs are not running; pausing for 1 second"
    sleep 1
done
echo "Finder & Docs are running; proceeding..."

sleep 5

# Caffeinate the Mac so it does not sleep
/usr/bin/caffeinate -d -i -m -u &
caffeinatepid=$!

# Gather logged in user
loggedInUser=$( echo "show State:/Users/ConsoleUser" | /usr/sbin/scutil | /usr/bin/awk '/Name :/ && ! /loginwindow/ { print $3 }' )
loggedInUID=$(/usr/bin/id -u "$loggedInUser" 2>/dev/null)

# Setting up various functions for updating the different dialogs, calculating time, grepping json, etc.
function updateAppleVersionDialog() {
    echo "$1:" >> "${appPrefsCommandFile}"
    sleep 0.1
}

# Adapted from https://github.com/Microsoft/shell-intune-samples/blob/master/macOS/Config/Dock/docks.sh
dockapps=(

    "/System/Applications/Launchpad.app"
    "/Applications/Microsoft Edge.app"
    "/Applications/zoom.us.app"
    "/Applications/Microsoft Word.app"
    "/Applications/Microsoft Excel.app"
    "/Applications/Microsoft PowerPoint.app"
    "/Applications/Microsoft Teams.app"
    "/Applications/Admin Br Request.app"
)

# Run a command as the current user
function run_as_user() {
    if [[ "$(id -u "$USER")" != "$UNIFIED_ID" ]]; then
        launchctl asuser "$loggedInUID" sudo -u "$loggedInUser" "$@"
    fi
}

function configure_dock_for_me. () {

    # Clearing Docs
    /bin/echo "Clearing user's dock..."
    #run_as_user defaults delete com.apple.docs
    run_as_user defaults delete com.apple.dock persistent-apps
    run_as_user defaults delete com.apple.dock persistent-others

    /bin/echo "Adding apps to Dock..."
    for i in "${DOCKAPPS[@]}"; do
        if [[ -a "$i" ]] ; then
            basename "Adding ($i) to Dock"
            run_as_user defaults write com.apple.dock persistent-apps -array-add "<dict><key>tile-data</key><dict><key>file-data</key><dict><key>_CFURLString</key><string>$i</string><key>_CFURLStringType</key><integer>0</integer></
                dict></dict></dict>"
        fi
    done

    /bin/echo "Adding Downloads Stack"
    # Sets Downloads folder to be represented as a folder icon, sorted by date added, with fanning out
    downloadFolder="/Users/$loggedInUser/Downloads"
    run_as_user defaults write com.apple.dock persistent-others -array-add "<dict><key>tile-data</key><dict><key>arrangement</key><integer>1</integer><key>displayas</key><integer>1</integer><key>file-type</key><integer>0</integer><key>
        kind</key><string>_CFURLString</key><string>$downloadFolder</string><key>_CFURLStringType</key><integer>0</integer></dict></dict>"
        key><integer>1</integer></dict></dict><key>tile-type</key><string>directory-tile</string></dict>"

    /bin/echo "Disable show recent items"
    Defaults write com.apple.docs show-recents -bool /FALSE

    /bin/echo "Restarting Dock"
    killall -KILL Dock

}

function appverifyTimeLoop() {

    while kill -0 $appverify_ding_pid 2> /dev/null; do
        timeElapsed=$(($SECONDS
        formattedTimeElapsed="$(printf '%dm:%ds' $((timeElapsed/60)) $((timeElapsed%60)))"
        updateNewVersDialogMsg "progress:0, Applications Installing...time elapsed: $formattedTimeElapsed"
        sleep 1
        if [[ -e "$DONEFILE.APPVERIFIED" ]]; then
            echo "App Verification is done! Ending app verification timer..."
            break
        fi
#       if [[ "$timeRemainingCalculation" -lt 60 ]]; then
#           /bin/echo "$timeRemainingCalculation seconds left on timer; exiting script..."
#           timeElapsedExit
#       fi
    done
}

# Create json file of apps to verify
echo 'Creating json file...'
/bin/cat << EOF > /private/var/tmp/appsToVerify.json

{
            "listItems" : [

                        {'title' : 'Company Portal', "icon" : "$iconURL/microsoft-intune-company-portal", "status" : "wait", "statusText" : "Installing..."},
                        {'title' : 'Google Chrome', 'icon' : '$iconURL/google-chrome', 'status' : 'wait', 'statusText' : 'Installing...'},
                        {'title' : 'Microsoft Defender', "icon" : "$iconURL/microsoft-defender", "status" : "wait" "statusText" : "Installing..."},
                        {'title' : 'Microsoft Edge', "icon" : "$iconURL/microsoft-edge", "status" : "wait", "statusText" : "Installing..."},
                        {'title' : 'Microsoft Excel', "icon" : "$iconURL/microsoft-excel-365", "status" : "wait", "statusText" : "Installing..."},
                        {'title' : 'Microsoft OneNote', 'icon' : 'iconURL/microsoft-onenote', "status" : "wait", "statusText" : "Installing..."},
                        {'title' : 'Microsoft Outlook', 'icon' : '$iconURL/microsoft-outlook-365', "status" : "wait", 'statusText' : 'Installing...'},
                        {'title' : 'Microsoft PowerPoint', 'icon' : "iconURL/microsoft-powerpoint-365", "status" : "wait", "statusText" : "Installing..."},
                        {'title' : 'Microsoft Word', "icon" : "$iconURL/microsoft-word-365", "status" : "wait", "statusText" : "Installing..."},
                        {'title' : 'OneDrive', "icon" : "$iconURL/microsoft-onedrive", "status" : "wait", "statusText" : "Installing..."},
                        {'title' : 'Zoom.us', "icon" : "iconURL/zoom-us", "status" : "wait", "statusText" : "Installing..."}

                    ]
```

```
# Wait for user to arrive at the desktop - below code taken from Dan Snelson's SYM script (https://github.com/setup-your-mac/Setup-Your-Mac)
until pgrep -q -x "Finder" && pgrep -q -x "Dock"; do
    echo "Finder & Dock are NOT running; pausing for 1 second"
    sleep 1
done
echo "Finder & Dock are running; proceeding..."

sleep 5

# Caffeinate the Mac so it does not sleep
/usr/bin/caffeinate -d -i -m -u &
caffeinatePID=$!

# Gather logged in user
loggedInUser=$( echo "show State:/Users/ConsoleUser" | /usr/sbin/scutil | /usr/bin/awk '/Name :/ && ! /loginwindow/ { print $3 }' )
loggedInUID=$(/usr/bin/id -u "$loggedInUser" 2>/dev/null)

# Setting up various functions for updating the different dialogs, calculating time, prepping json, etc.
function updateAppVerifyDialog() {
    echo "${1}" >> "${appVerifyCommandFile}"
    sleep 0.1
}

# Adapted from https://github.com/microsoft/shell-intune-samples/blob/master/macOS/Config/Dock/dockv5.sh
dockapps=(

    "/System/Applications/Launchpad.app"
    "/Applications/Microsoft Edge.app"
    "/Applications/zoom.us.app"
    "/Applications/Microsoft Word.app"
    "/Applications/Microsoft Outlook.app"
    "/Applications/Microsoft Teams.app"
    "/Applications/Admin By Request.app"
)

# Run a command as the current user
function run_as_user() {
    if [[ "${loggedInUser}" != "loginwindow" ]]; then
        launchctl asuser "$loggedInUID" sudo -u "${loggedInUser}" "$@"
    fi
}

function configure_dock_via_plist () {

    # Clearing Dock
    /bin/echo "Clearing user's dock..."
    #run_as_user defaults delete com.apple.dock
    run_as_user defaults delete com.apple.dock persistent-apps
    run_as_user defaults delete com.apple.dock persistent-others

    /bin/echo "Adding Apps to Dock..."
    for i in "${dockapps[@]}"; do
        if [[ -a "$i" ]] ; then
            /bin/echo "Adding [$i] to Dock"
            run_as_user defaults write com.apple.dock persistent-apps -array-add "<dict><key>tile-data</key><dict><key>file-data</key><dict><key>_CFURLString</key><string>$i</string><key>_CFURLStringType</key><integer>0</integer></dict></dict></dict>"
        fi
    done

    /bin/echo "Adding Downloads Stack"
```

```
    /bin/echo "Adding Downloads Stack"
    # Sets downloads folder to be represented by a folder icon, sorted by date added, with fanning out
    downloadfolder="/Users/$loggedInUser/Downloads"
    run_as_user defaults write com.apple.dock persistent-others -array-add "<dict><key>tile-data</key><dict><key>arrangement</key><integer>2</integer><key>displayas</key><integer>1</integer><key>file-data</
        key><dict><key>_CFURLString</key><string>$downloadfolder</string><key>_CFURLStringType</key><integer>0</integer></dict><key>file-label</key><string>Downloads</string><key>file-type</key><string>2</string><key>showas</
        key><integer>1</integer></dict><key>tile-type</key><string>directory-tile</string></dict>"

    /bin/echo "Disable show recent items"
    defaults write com.apple.dock show-recents -bool FALSE

    /bin/echo "Restarting Dock"
    killall -KILL Dock

}

function appverifyTimerLoop() {

    while kill -0 $appverify_dialog_pid 2> /dev/null; do
        timeElapsed=$SECONDS
        formattedTimeElapsed=$(printf '%dm:%ds\n' $(($timeElapsed%3600/60)) $(($timeElapsed%60)))
        updateAppVerifyDialog "progresstext:  Applications installing...time elapsed: $formattedTimeElapsed"
        sleep 1
        if [[ -e "$completionBreadcrumb" ]]; then
            echo "App Verification is done! Ending app verification timer..."
            break
        fi
#       if [[ "$timeRemainingCalcuation" -le 60 ]]; then
#           /bin/echo "$timeRemainingCalcuation seconds left in timer; exiting script..."
#           timeElapsedExit
#       fi
    done
}

# Create json file of apps to verify
echo "Creating json file..."
/bin/cat << EOF > /private/var/tmp/appsToVerify.json

{

"listitem" : [

                {"title" : "Company Portal", "icon" : "$iconURL/microsoft-intune-company-portal", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "Google Chrome", "icon" : "$iconURL/google-chrome", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "Microsoft Defender", "icon" : "$iconURL/microsoft-defender", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "Microsoft Edge", "icon" : "$iconURL/microsoft-edge", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "Microsoft Excel", "icon" : "$iconURL/microsoft-excel-365", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "Microsoft OneNote", "icon" : "$iconURL/microsoft-onenote", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "Microsoft Outlook", "icon" : "$iconURL/microsoft-outlook-365", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "Microsoft PowerPoint", "icon" : "$iconURL/microsoft-powerpoint-365", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "Microsoft Word", "icon" : "$iconURL/microsoft-word-365", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "OneDrive", "icon" : "$iconURL/microsoft-onedrive", "status" : "wait", "statustext" : "Installing..."},
                {"title" : "zoom.us", "icon" : "$iconURL/zoom-us", "status" : "wait", "statustext" : "Installing..."}

]
```

Devices | Configuration

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Group Policy analytics
eSIM cellular profiles (preview)
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Manage updates
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Apple updates
Android FOTA deployments
Organize devices
Device clean-up rules
Assignment filters
Help and support
Help and support

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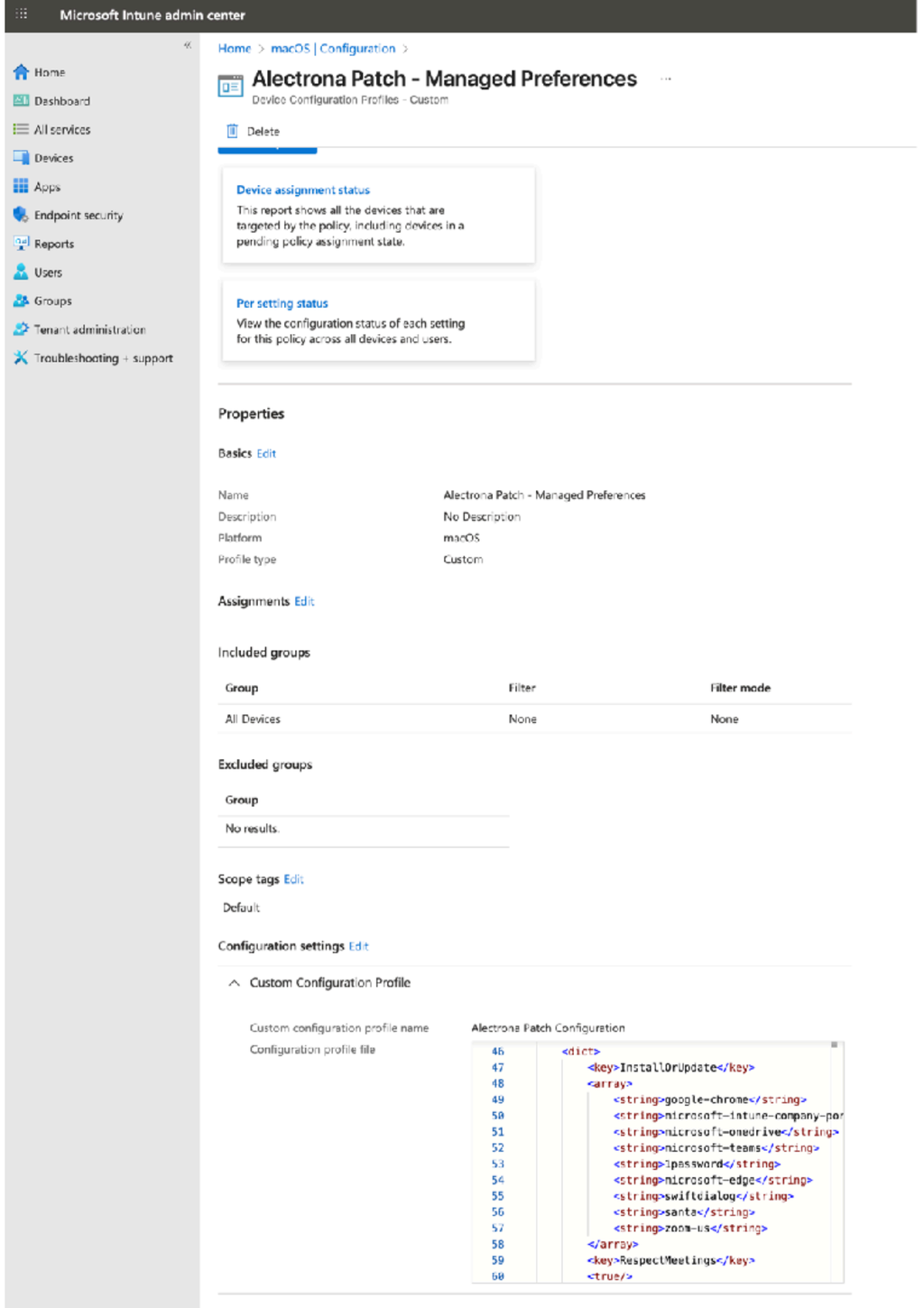
Search | Platform: macOS | Add filters

Policy name	Platform	Policy type	Last modified	Scope tags
AdminByRequest - PPPC	macOS	Custom	7/3/2025, 11:33:46 AM	Default
AdminByRequest - System Extension	macOS	Custom	7/1/2025, 11:58:05 AM	Default
Alectrona Patch - Managed Preferences	macOS	Custom	7/3/2025, 11:37:17 AM	Default
Alectrona Patch - PPPC	macOS	Custom	7/3/2025, 11:31:45 AM	Default
Alectrona Patch Profile	macOS	Custom	3/13/2025, 2:30:27 PM	Default
Allow Notifications for Managed Applications	macOS	Settings catalog	7/3/2025, 11:23:38 AM	Default
DDM - Custom Version	macOS	Settings catalog	7/25/2024, 1:19:27 PM	Default
Disable UI Extensions Management	macOS	Settings catalog	7/3/2025, 11:32:42 AM	Default
Enable FileVault	macOS	Settings catalog	3/13/2025, 4:55:43 PM	Default
Login Window	macOS	Settings catalog	3/12/2025, 1:08:59 PM	Default
Login Window Settings	macOS	Preference file	6/26/2024, 12:37:29 PM	Default
Managed Login Items	macOS	Settings catalog	7/3/2025, 11:24:58 AM	Default
Managed Login Items - Import	macOS	Custom	7/3/2025, 11:25:32 AM	Default
Microsoft Defender - Allowed System Extensions	macOS	Settings catalog	7/1/2025, 12:02:49 PM	Default
Microsoft Defender - Network Filter	macOS	Custom	7/1/2025, 12:03:31 PM	Default
Microsoft Defender - Onboarding Configuration	macOS	Custom	7/1/2025, 12:04:37 PM	Default
Microsoft Defender - PPPC	macOS	Settings catalog	7/1/2025, 12:05:08 PM	Default
Microsoft Edge - Managed Preferences	macOS	Settings catalog	7/3/2025, 11:31:17 AM	Default
Microsoft Office - Managed Preferences	macOS	Settings catalog	3/14/2025, 12:02:41 PM	Default
Microsoft OneDrive - Managed Preferences	macOS	Settings catalog	3/12/2025, 1:04:23 PM	Default
Microsoft Outlook - Managed Preferences	macOS	Settings catalog	3/12/2025, 11:12:14 AM	Default
Microsoft Teams - PPPC	macOS	Settings catalog	7/3/2025, 11:32:10 AM	Default
Platform SSO	macOS	Settings catalog	7/3/2025, 11:33:14 AM	Default
Restrictions	macOS	Settings catalog	7/3/2025, 11:33:02 AM	Default
Santa - Managed Preferences	macOS	Custom	3/13/2025, 4:00:58 PM	Default
Santa - Notifications	macOS	Custom	3/13/2025, 3:48:07 PM	Default
Santa - PPPC	macOS	Custom	3/13/2025, 3:55:13 PM	Default
Santa - System Extensions	macOS	Custom	3/13/2025, 3:50:44 PM	Default
SentinelOne - Network Filter	macOS	Settings catalog	3/14/2025, 10:00:27 AM	Default
SentinelOne - Notifications	macOS	Settings catalog	3/14/2025, 9:47:52 AM	Default
SentinelOne - PPPC	macOS	Settings catalog	3/14/2025, 10:50:06 AM	Default
SentinelOne - System Extensions	macOS	Settings catalog	3/14/2025, 10:57:24 AM	Default
Skip Additional Setup Assistant Panes	macOS	Preference file	7/1/2025, 12:12:19 PM	Default
Software Update	macOS	Settings catalog	4/11/2023, 5:03:54 PM	Default

Add or remove favorites by pressing Ctrl+Shift+F

Policy name	Platform	Policy type	Last modified
AdminByRequest - PPPC	macOS	Custom	7/3/2025, 11:33:4
AdminByRequest - System Extension	macOS	Custom	7/1/2025, 11:58:0
Alectrona Patch - Managed Preferences	macOS	Custom	7/3/2025, 11:37:1
Alectrona Patch - PPPC	macOS	Custom	7/3/2025, 11:31:4
Alectrona Patch Profile	macOS	Custom	3/13/2025, 2:30:2
Allow Notifications for Managed Applications	macOS	Settings catalog	7/3/2025, 11:23:3
DDM - Custom Version	macOS	Settings catalog	7/25/2024, 1:19:2
Disable UI Extensions Management	macOS	Settings catalog	7/3/2025, 11:32:4
Enable FileVault	macOS	Settings catalog	3/13/2025, 4:55:4
Login Window	macOS	Settings catalog	3/12/2025, 1:08:5
Login Window Settings	macOS	Preference file	6/26/2024, 12:37:
Managed Login Items	macOS	Settings catalog	7/3/2025, 11:24:5
Managed Login Items - Import	macOS	Custom	7/3/2025, 11:25:3
Microsoft Defender - Allowed System Extensions	macOS	Settings catalog	7/1/2025, 12:02:4
Microsoft Defender - Network Filter	macOS	Custom	7/1/2025, 12:03:3
Microsoft Defender - Onboarding Configuration	macOS	Custom	7/1/2025, 12:04:3
Microsoft Defender - PPPC	macOS	Settings catalog	7/1/2025, 12:05:0
Microsoft Edge - Managed Preferences	macOS	Settings catalog	7/3/2025, 11:31:1
Microsoft Office - Managed Preferences	macOS	Settings catalog	3/14/2025, 12:02:
Microsoft OneDrive - Managed Preferences	macOS	Settings catalog	3/12/2025, 1:04:2

Policy name	Platform	Policy type	Last modified
AdminByRequest - PPPC	macOS	Custom	7/3/2025, 11:33:4
AdminByRequest - System Extension	macOS	Custom	7/1/2025, 11:58:0
Alectrona Patch - Managed Preferences	macOS	Custom	7/3/2025, 11:37:1
Alectrona Patch - PPPC	macOS	Custom	7/3/2025, 11:31:4
Alectrona Patch Profile	macOS	Custom	3/13/2025, 2:30:2
Allow Notifications for Managed Applications	macOS	Settings catalog	7/3/2025, 11:23:3
DDM - Custom Version	macOS	Settings catalog	7/25/2024, 1:19:2
Disable UI Extensions Management	macOS	Settings catalog	7/3/2025, 11:32:4
Enable FileVault	macOS	Settings catalog	3/13/2025, 4:55:4
Login Window	macOS	Settings catalog	3/12/2025, 1:08:5
Login Window Settings	macOS	Preference file	6/26/2024, 12:37:
Managed Login Items	macOS	Settings catalog	7/3/2025, 11:24:5
Managed Login Items - Import	macOS	Custom	7/3/2025, 11:25:3
Microsoft Defender - Allowed System Extensions	macOS	Settings catalog	7/1/2025, 12:02:4
Microsoft Defender - Network Filter	macOS	Custom	7/1/2025, 12:03:3
Microsoft Defender - Onboarding Configuration	macOS	Custom	7/1/2025, 12:04:3
Microsoft Defender - PPPC	macOS	Settings catalog	7/1/2025, 12:05:0
Microsoft Edge - Managed Preferences	macOS	Settings catalog	7/3/2025, 11:31:1
Microsoft Office - Managed Preferences	macOS	Settings catalog	3/14/2025, 12:02:
Microsoft OneDrive - Managed Preferences	macOS	Settings catalog	3/12/2025, 1:04:2


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Alectrona Patch - Managed Preferences
Device Configuration Profiles - Custom
Delete
Device assignment status
This report shows all the devices that are targeted by the policy, including devices in a pending policy assignment state.
Per setting status
View the configuration status of each setting for this policy across all devices and users.
Properties
Basics Edit
Name Alectrona Patch - Managed Preferences
Description No Description
Platform macOS
Profile type Custom
Assignments Edit
Included groups
Group Filter Filter mode
All Devices None None
Excluded groups
Group
No results.
Scope tags Edit
Default
Configuration settings Edit
Custom Configuration Profile
Custom configuration profile name Alectrona Patch Configuration
Configuration profile file
<dict>
<key>InstallOrUpdate</key>
<array>
<string>google-chrome</string>
<string>microsoft-intune-company-por
<string>microsoft-onedrive</string>
<string>microsoft-teams</string>
<string>1password</string>
<string>microsoft-edge</string>
<string>swiftdialog</string>
<string>santa</string>
<string>zoom-us</string>
</array>
<key>RespectMeetings</key>
<true/>

Default

Configuration settings Edit

Custom Configuration Profile

Custom configuration profile name: Alectrona Patch Configuration

Configuration profile file:

```
46      <dict>
47          <key>InstallOrUpdate</key>
48          <array>
49              <string>google-chrome</string>
50              <string>microsoft-intune-company-por
51              <string>microsoft-onedrive</string>
52              <string>microsoft-teams</string>
53              <string>1password</string>
54              <string>microsoft-edge</string>
55              <string>swiftdialog</string>
56              <string>santa</string>
57              <string>zoom-us</string>
58          </array>
59          <key>RespectMeetings</key>
60          <true/>
```

macOS | Configuration

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Policy name	Platform	Policy type	Last modified	Scope tags
Allow Notifications for Managed Appl...	macOS	Settings catalog	7/3/2025, 11:23:38 AM	Default
DDM - Custom Version	macOS	Settings catalog	7/25/2024, 1:19:27 PM	Default
Disable UI Extensions Management	macOS	Settings catalog	7/3/2025, 11:32:42 AM	Default
Enable FileVault	macOS	Settings catalog	3/13/2025, 4:55:43 PM	Default
Login Window	macOS	Settings catalog	3/12/2025, 1:08:59 PM	Default
Login Window Settings	macOS	Preference file	6/26/2024, 12:37:29 PM	Default
Managed Login Items	macOS	Settings catalog	7/3/2025, 11:24:58 AM	Default
Managed Login Items - Import	macOS	Custom	7/3/2025, 11:25:32 AM	Default
Managed Login Items - Prefs	macOS	Preference file	7/15/2025, 3:58:24 PM	Default
Microsoft Defender - Allowed System ...	macOS	Settings catalog	7/1/2025, 12:02:49 PM	Default
Microsoft Defender - Network Filter	macOS	Custom	7/1/2025, 12:03:31 PM	Default
Microsoft Defender - Onboarding Con...	macOS	Custom	7/1/2025, 12:04:37 PM	Default
Microsoft Defender - PPPC	macOS	Settings catalog	7/1/2025, 12:05:08 PM	Default

Policy name	Platform	Policy type
Allow Notifications for Managed Appl...	macOS	Settings catalog
DDM - Custom Version	macOS	Settings catalog
Disable UI Extensions Management	macOS	Settings catalog
Enable FileVault	macOS	Settings catalog
Login Window	macOS	Settings catalog
Login Window Settings	macOS	Preference file
Managed Login Items	macOS	Settings catalog
Managed Login Items - Import	macOS	Custom
Managed Login Items - Prefs	macOS	Preference file
Microsoft Defender - Allowed System ...	macOS	Settings catalog
Microsoft Defender - Network Filter	macOS	Custom

Managed Login Items - Prefs

Device Configuration Profiles

Delete

Excluded groups

Group
No results.

Scope tags Edit

Default

Configuration settings Edit

Preference file

Preference domain name: com.apple.servicemanagement

Property list file:

```
<key>Rules</key>
<array>
    <dict>
        <key>Comment</key>
        <string>Alectrona LLC</string>
        <key>RuleType</key>
        <string>TeamIdentifier</string>
        <key>RuleValue</key>
        <string>FHGVDQ8V3Q</string>
    </dict>
    <dict>
        <key>Comment</key>
        <string>Microsoft Corporation</string>
        <key>RuleType</key>
        <string>TeamIdentifier</string>
```

Managed Login Items - Prefs

Device Configuration Profiles

Delete

Excluded groups

Group
No results.

Scope tags Edit

Default

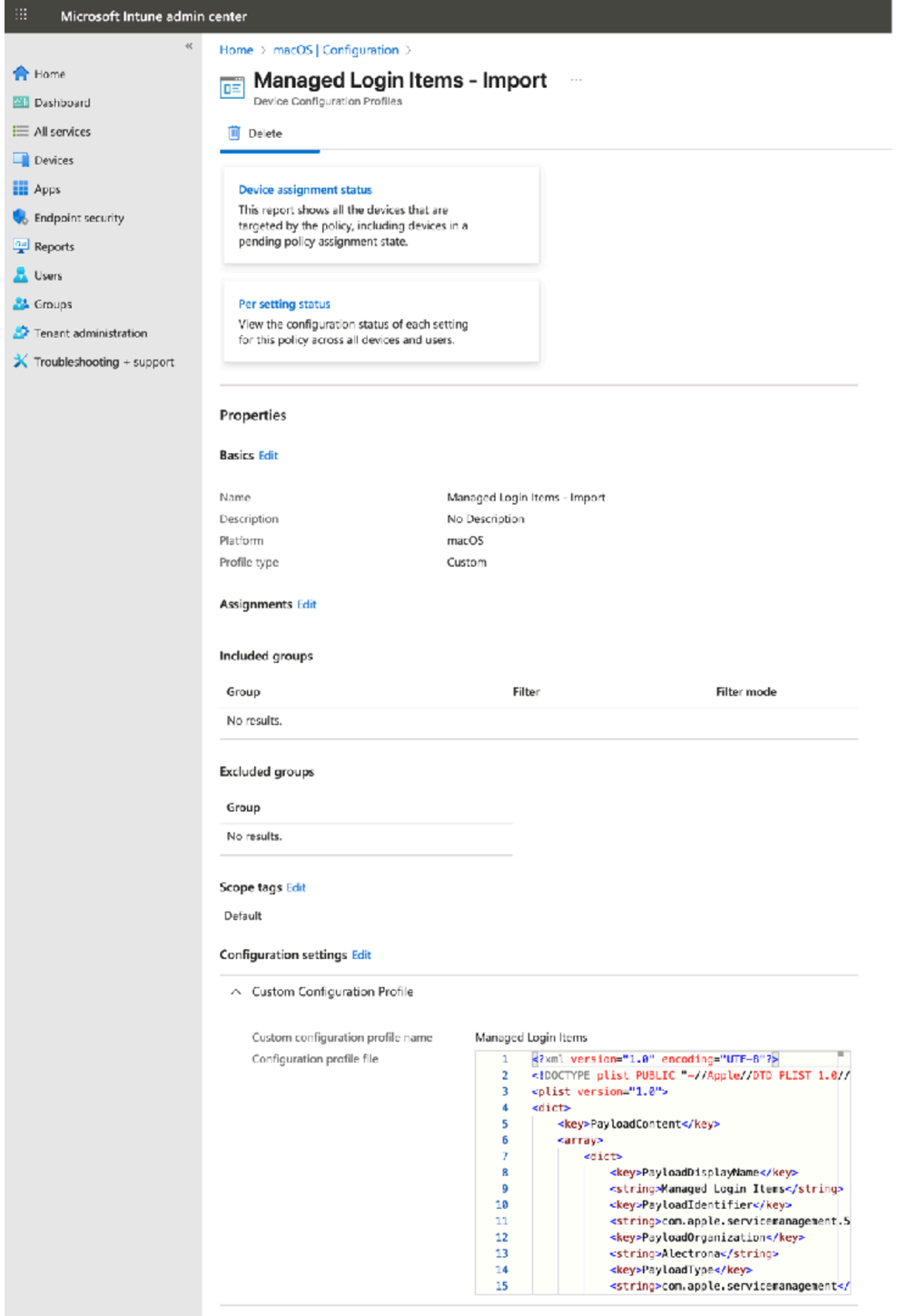
Configuration settings Edit

Preference file

Preference domain name: com.apple.servicemanagement

Property list file:

```
<key>Rules</key>
<array>
    <dict>
        <key>Comment</key>
        <string>Alectrona LLC</string>
        <key>RuleType</key>
        <string>TeamIdentifier</string>
        <key>RuleValue</key>
        <string>FHGVDQ8V3Q</string>
    </dict>
    <dict>
        <key>Comment</key>
        <string>Microsoft Corporation</string>
        <key>RuleType</key>
        <string>TeamIdentifier</string>
```


Microsoft Intune admin center
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Home > macOS | Configuration >
Managed Login Items - Import
Device Configuration Profiles
Delete
Device assignment status
This report shows all the devices that are targeted by the policy, including devices in a pending policy assignment state.
Per setting status
View the configuration status of each setting for this policy across all devices and users.
Properties
Basics Edit
Name Managed Login Items - Import
Description No Description
Platform macOS
Profile type Custom
Assignments Edit
Included groups
Group
Filter
Filter mode
No results.
Excluded groups
Group
No results.
Scope tags Edit
Default
Configuration settings Edit
Custom Configuration Profile
Custom configuration profile name Managed Login Items
Configuration profile file
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//
<plist version="1.0">
<dict>
<key>PayloadContent</key>
<array>
<dict>
<key>PayloadDisplayName</key>
<string>Managed Login Items</string>
<key>PayloadIdentifier</key>
<string>com.apple.servicemanagement.5
<key>PayloadOrganization</key>
<string>Alectrona</string>
<key>PayloadType</key>
<string>com.apple.servicemanagement</

Scope tags Edit

Default

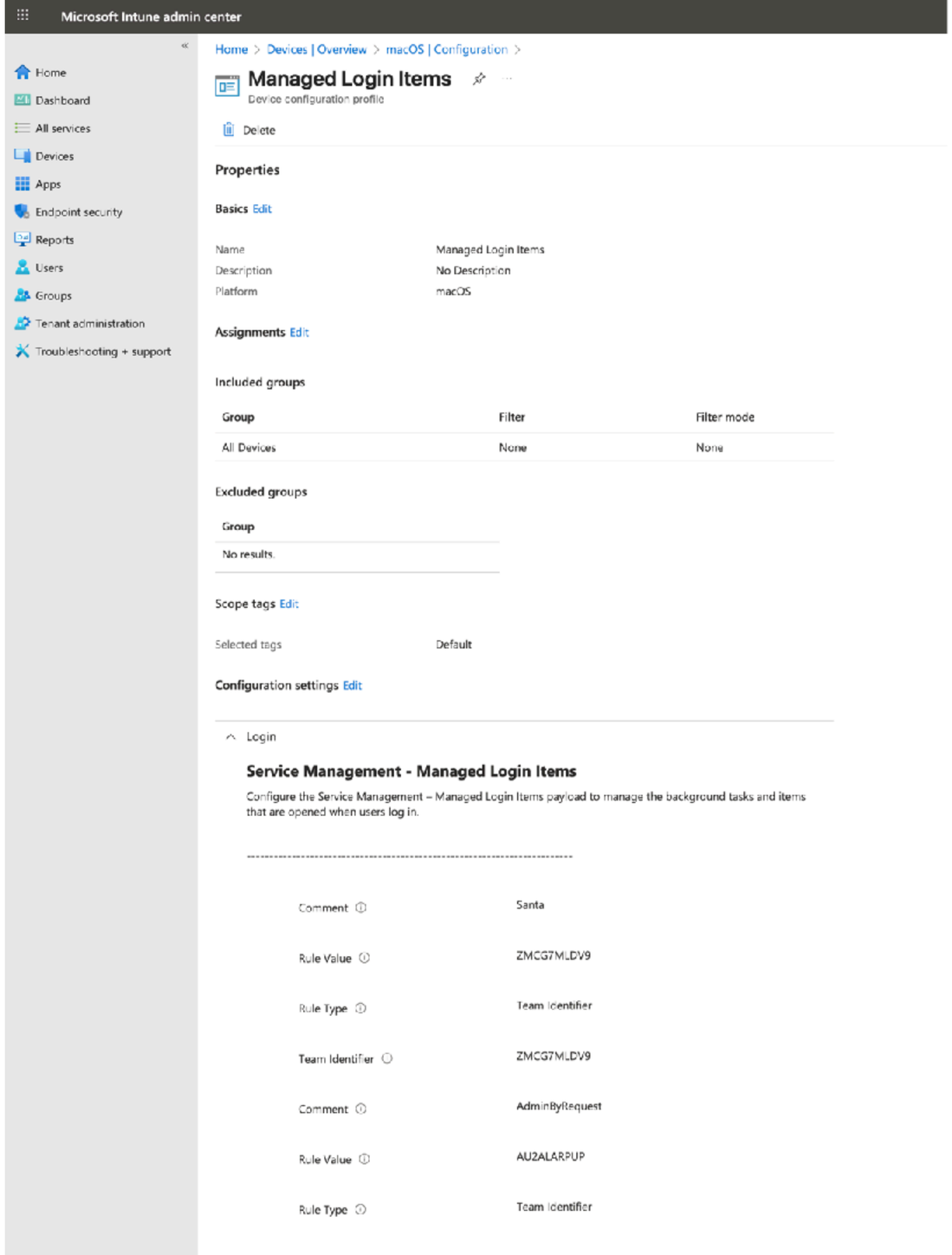
Configuration settings Edit

Custom Configuration Profile

Custom configuration profile name: Managed Login Items

Configuration profile file:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//
<plist version="1.0">
<dict>
    <key>PayloadContent</key>
    <array>
        <dict>
            <key>PayloadDisplayName</key>
            <string>Managed Login Items</string>
            <key>PayloadIdentifier</key>
            <string>com.apple.servicemanagement.5
            <key>PayloadOrganization</key>
            <string>Alectrona</string>
            <key>PayloadType</key>
            <string>com.apple.servicemanagement</
```


Microsoft Intune admin center
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Managed Login Items
Device configuration profile
Delete
Properties
Basics Edit
Name Managed Login Items
Description No Description
Platform macOS
Assignments Edit
Included groups
Group Filter Filter mode
All Devices None None
Excluded groups
Group
No results.
Scope tags Edit
Selected tags Default
Configuration settings Edit
Login
Service Management - Managed Login Items
Configure the Service Management – Managed Login Items payload to manage the background tasks and items that are opened when users log in.
Comment Santa
Rule Value ZMCG7MLDV9
Rule Type Team Identifier
Team Identifier ZMCG7MLDV9
Comment AdminByRequest
Rule Value AU2ALARPUP
Rule Type Team Identifier

Configuration settings Edit

Login

Service Management - Managed Login Items

Configure the Service Management – Managed Login Items payload to manage the background tasks and items that are opened when users log in.

Comment ⓘ	Santa
Rule Value ⓘ	ZMCG7MLDV9
Rule Type ⓘ	Team Identifier
Team Identifier ⓘ	ZMCG7MLDV9
Comment ⓘ	AdminByRequest
Rule Value ⓘ	AU2ALARPUP
Rule Type ⓘ	Team Identifier

Configuration settings Edit

Login

Service Management - Managed Login Items

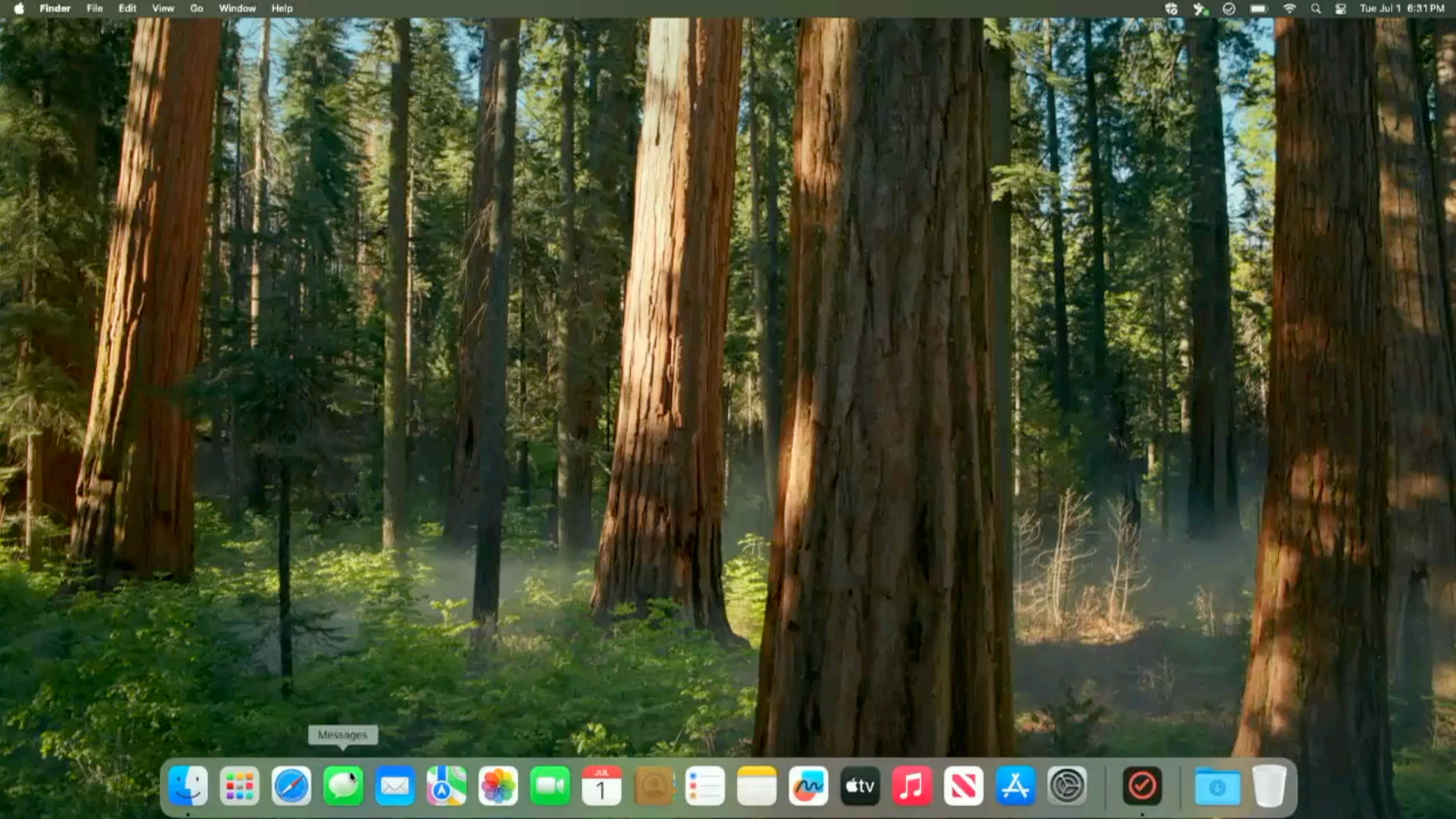
Configure the Service Management – Managed Login Items payload to manage the background tasks and items that are opened when users log in.

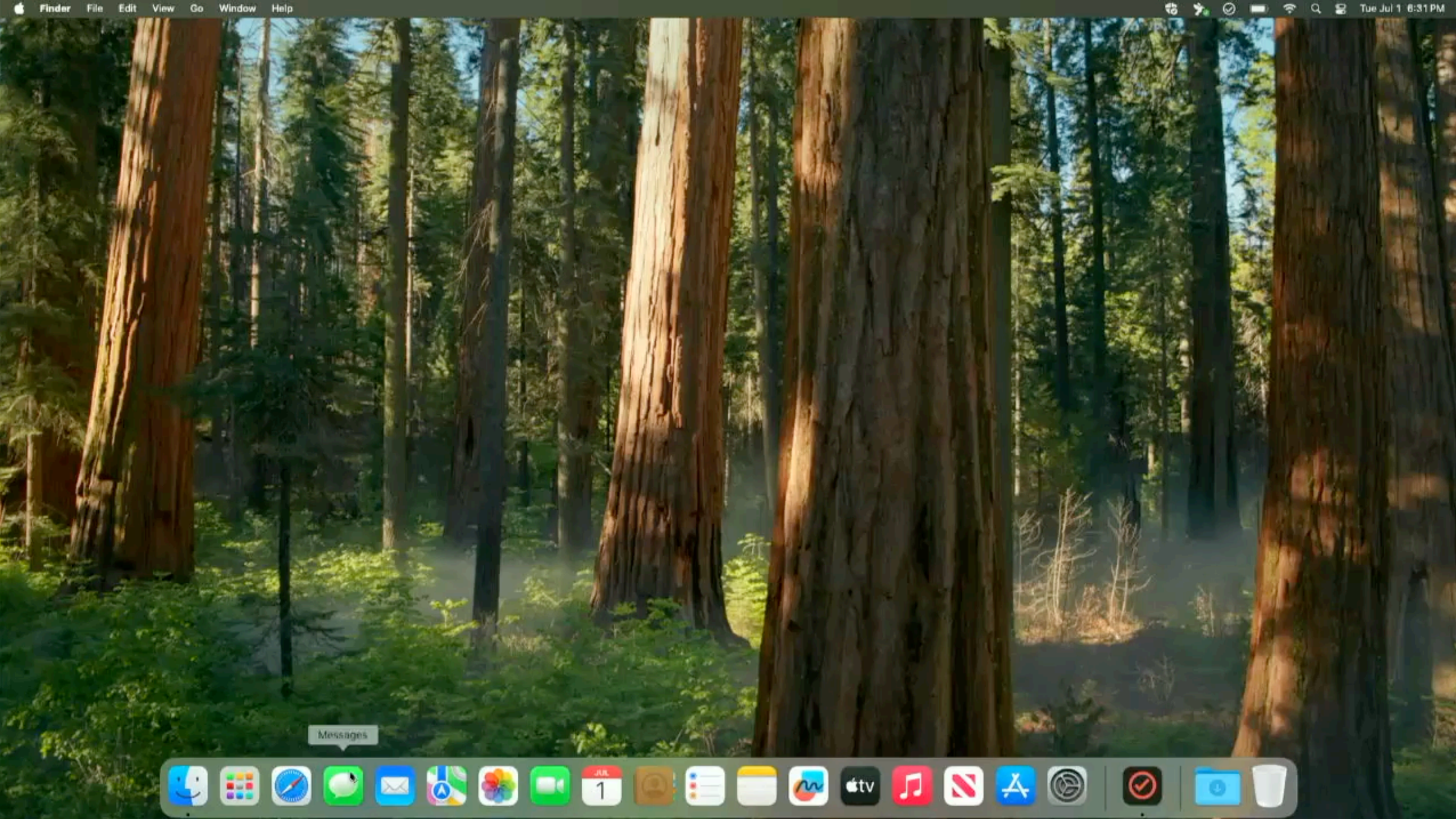
Comment ⓘ	Santa
Rule Value ⓘ	ZMCG7MLDV9
Rule Type ⓘ	Team Identifier
Team Identifier ⓘ	ZMCG7MLDV9
Comment ⓘ	AdminByRequest
Rule Value ⓘ	AU2ALARPUP
Rule Type ⓘ	Team Identifier

What Intune needs help with

Enrollment
App Management
  App Restrictions
Reporting

App Restrictions


Finder
File
Edit
View
Go
Window
Help
Tue Jul 1 8:31 PM
Messages


Finder
File
Edit
View
Go
Window
Help
Tue Jul 1 8:31 PM
Messages

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
    <key>PayloadContent</key>
    <array>
        <dict>
            <key>PayloadContent</key>
            <dict>
                <key>com.northpolesec.santa</key>
                <dict>
                    <key>forced</key>
                    <array>
                        <dict>
                            <key>pmx_preference_settings</key>
                            <dict>
                                <key>BlockedCCMessage</key>
                                <string>This application has been blocked from executing.</string>
                                <key>ClientMode</key>
                                <integer>2</integer>
                                <key>EventLogType</key>
                                <string>syslog</string>
                                <key>EnableMessageTransparency</key>
                                <false/>
                                <key>EnableBlockUSBMount</key>
                                <false/>
                                <key>FileChangeRegex</key>
                                <string>^/(?:[^/]*|private/var)/(?:db|log|MobileSoftwareUpdate|protected)/</string>
                                <key>BlockedNotificationText</key>
                                <string>Entering Lockdown mode</string>
                                <key>ModeNotificationMonitor</key>
                                <string>Entering Monitor mode&lt;br/&gt;Please be cautious</string>
                                <key>StaticRules</key>
                                <array>
                                    <dict>
                                        <!-- Always allow files signed by Google LLC -->
                                        <key>Identifier</key>
                                        <string>EQHXZ8M8AV</string>
                                        <key>policy</key>
                                        <string>ALLOWLIST</string>
                                        <key>rule_type</key>
                                        <string>TEAMID</string>
                                    </dict>
                                    <dict>
                                        <!-- Always allow files signed by North Pole Security Inc -->
                                        <key>Identifier</key>
                                        <string>ZMCG7MLDV9</string>
                                        <key>policy</key>
                                        <string>ALLOWLIST</string>
                                        <key>rule_type</key>
                                        <string>TEAMID</string>
                                    </dict>
                                    <dict>
                                        <!-- Always BLOCK the BundleExample.app binary in Santa's testdata files, for testing -->
                                        <key>Identifier</key>
                                        <string>6d418bf3849d5725185fb82c02cd2ff9e81224d0436d0ddb4d642a8580cf04</string>
                                        <key>policy</key>
                                        <string>BLOCKLIST</string>
                                        <key>rule_type</key>
                                        <string>BINARY</string>
                                    </dict>
                                    <dict>
                                        <key>Identifier</key>
                                        <string>platform:com.apple.iBooks</string>
                                        <key>policy</key>
                                        <string>BLOCKLIST</string>
                                        <key>rule_type</key>
                                        <string>SIGNINGID</string>
                                    </dict>
                                    <dict>
                                        <key>Identifier</key>
                                        <string>platform:com.apple.FaceTime</string>
                                        <key>policy</key>
                                        <string>BLOCKLIST</string>
                                        <key>rule_type</key>
                                        <string>SIGNINGID</string>
                                    </dict>
                                    <dict>
                                        <key>Identifier</key>
                                        <string>platform:com.apple.mobilesms</string>
                                        <key>policy</key>
                                        <string>BLOCKLIST</string>
                                        <key>rule_type</key>
                                        <string>SIGNINGID</string>
                                    </dict>
                                    <dict>
                                        <key>Identifier</key>
                                        <string>platform:com.apple.Music</string>
                                        <key>policy</key>
                                        <string>BLOCKLIST</string>
                                        <key>rule_type</key>
                                        <string>SIGNINGID</string>
                                    </dict>
                                    <dict>
                                        <key>Identifier</key>
                                        <string>platform:com.apple.PhotoBooth</string>
                                        <key>policy</key>
                                        <string>BLOCKLIST</string>
                                        <key>rule_type</key>
                                        <string>SIGNINGID</string>
                                    </dict>
                                    <dict>
                                        <key>Identifier</key>
                                        <string>platform:com.apple.podcasts</string>
                                        <key>policy</key>
                                        <string>BLOCKLIST</string>
                                        <key>rule_type</key>
                                        <string>SIGNINGID</string>
                                    </dict>
                                    <dict>
                                        <key>Identifier</key>
                                        <string>platform:com.apple.TV</string>
                                        <key>policy</key>
                                        <string>BLOCKLIST</string>
                                        <key>rule_type</key>
                                        <string>SIGNINGID</string>
                                    </dict>
                                </array>
                                <key>UnknownBlockMessage</key>
                                <string>This application has been blocked from executing.</string>
                            </dict>
                        </dict>
                    </array>
                </dict>
            </dict>
            <key>PayloadEnabled</key>
            <true/>
            <key>PayloadIdentifier</key>
            <string>E3-2c158-a181-4a98-a0b6--6cc00030a1</string>
            <key>PayloadType</key>
            <string>com.apple.ManagedClient.preferences</string>
            <key>PayloadUUID</key>
            <string>E3a2c158-a181-4a88-a0b6-a6cc00030a1c</string>
            <key>PayloadVersion</key>
            <integer>1</integer>
        </dict>
    </array>
    <key>PayloadDescription</key>
    <string>com.northpolesec.santa</string>
    <key>PayloadDisplayName</key>
    <string>com.northpolesec.santa</string>
    <key>PayloadIdentifier</key>
    <string>com.northpolesec.santa</string>
    <key>PayloadOrganization</key>
    <string></string>
    <key>PayloadRemovalDisallowed</key>
    <true/>
    <key>PayloadScope</key>
    <string>System</string>
    <key>PayloadType</key>
    <string>Configuration</string>
    <key>PayloadUUID</key>
    <string>9624f12f-e1d0-426f-9258-ea1e4868bc04</string>
    <key>PayloadVersion</key>
    <integer>1</integer>
</dict>
</plist>
```

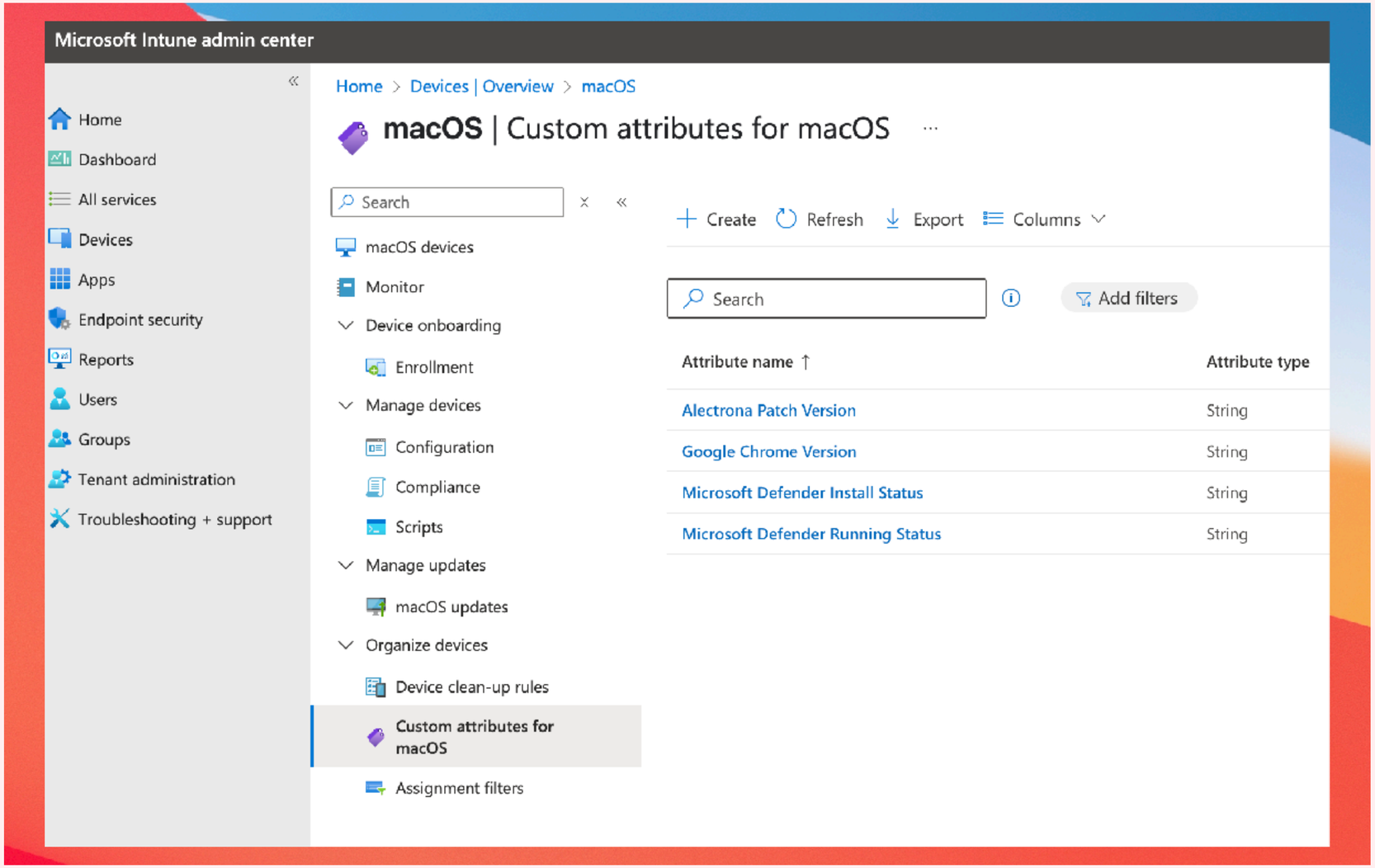
```
<string>Entering Monitor mode&lt;br/&gt;Please be careful!</string>
<key>StaticRules</key>
<array>
    <dict>
        <!-- Always allow files signed by Google LLC -->
        <key>identifier</key>
        <string>EQHXZ8M8AV</string>
        <key>policy</key>
        <string>ALLOWLIST</string>
        <key>rule_type</key>
        <string>TEAMID</string>
    </dict>
    <dict>
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        <key>identifier</key>
        <string>ZMCG7MLDV9</string>
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        <string>ALLOWLIST</string>
        <key>rule_type</key>
        <string>TEAMID</string>
    </dict>
    <dict>
        <!-- Always BLOCK the BundleExample.app binary in Santa's testdata files, for testing -->
        <key>identifier</key>
        <string>b7c1e3fd640c5f211c89b02c2c6122f78ce322aa5c56eb0bb54bc422a8f8b670</string>
        <key>policy</key>
        <string>BLOCKLIST</string>
        <key>rule_type</key>
        <string>BINARY</string>
    </dict>
    <dict>
        <key>identifier</key>
        <string>platform:com.apple.iBooksX</string>
        <key>policy</key>
        <string>BLOCKLIST</string>
        <key>rule_type</key>
        <string>SIGNINGID</string>
    </dict>
    <dict>
        <key>identifier</key>
        <string>platform:com.apple.FaceTime</string>
        <key>policy</key>
        <string>BLOCKLIST</string>
        <key>rule_type</key>
        <string>SIGNINGID</string>
    </dict>
    <dict>
        <key>identifier</key>
        <string>platform:com.apple.MobileSMS</string>
```

What Intune needs help with

Enrollment
App Management
  App Restrictions
Reporting

Reporting

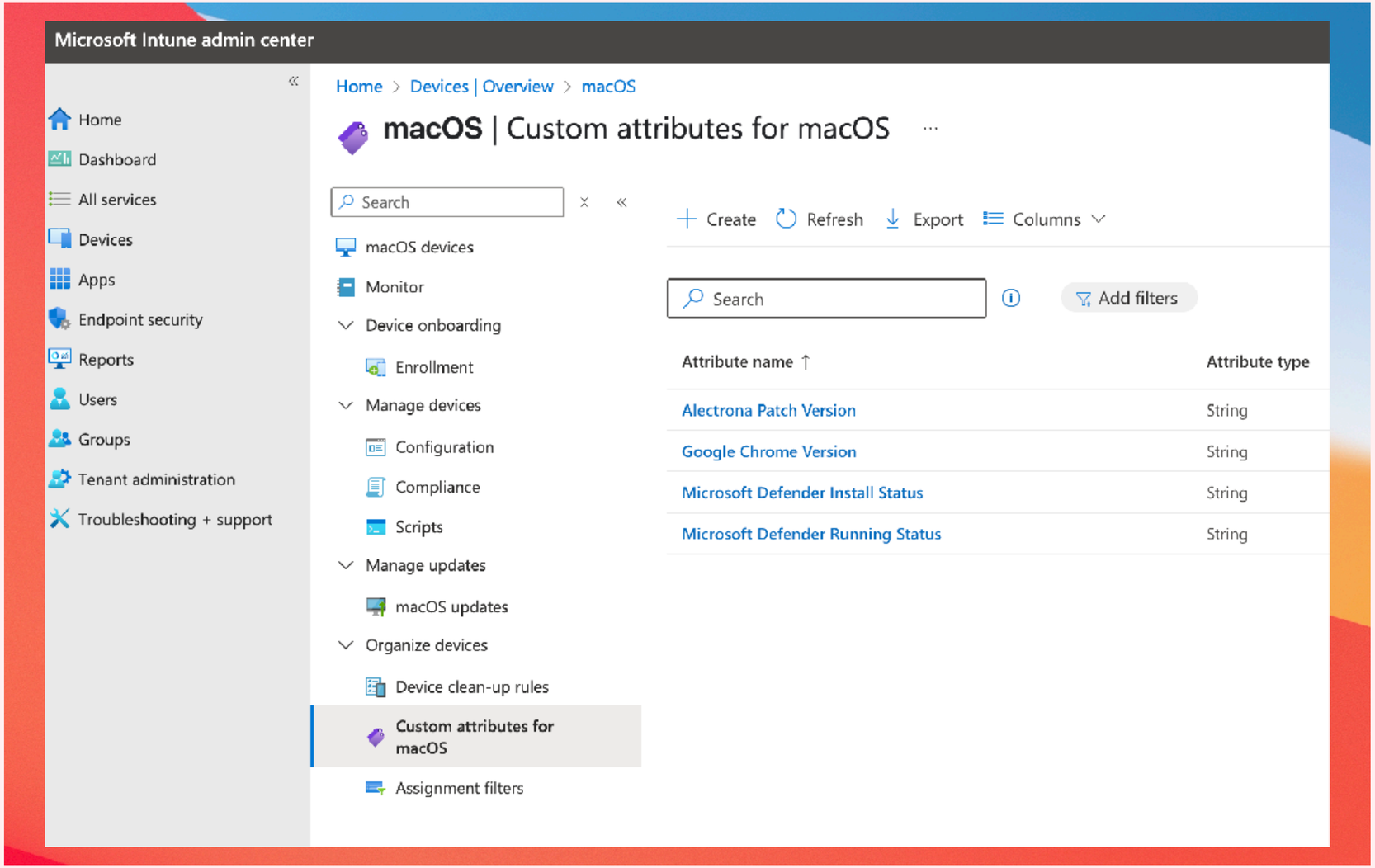
Custom Attributes



Source: https://learn.microsoft.com/en-us/mem/intune/apps/macos-shell-scripts

Custom Attributes

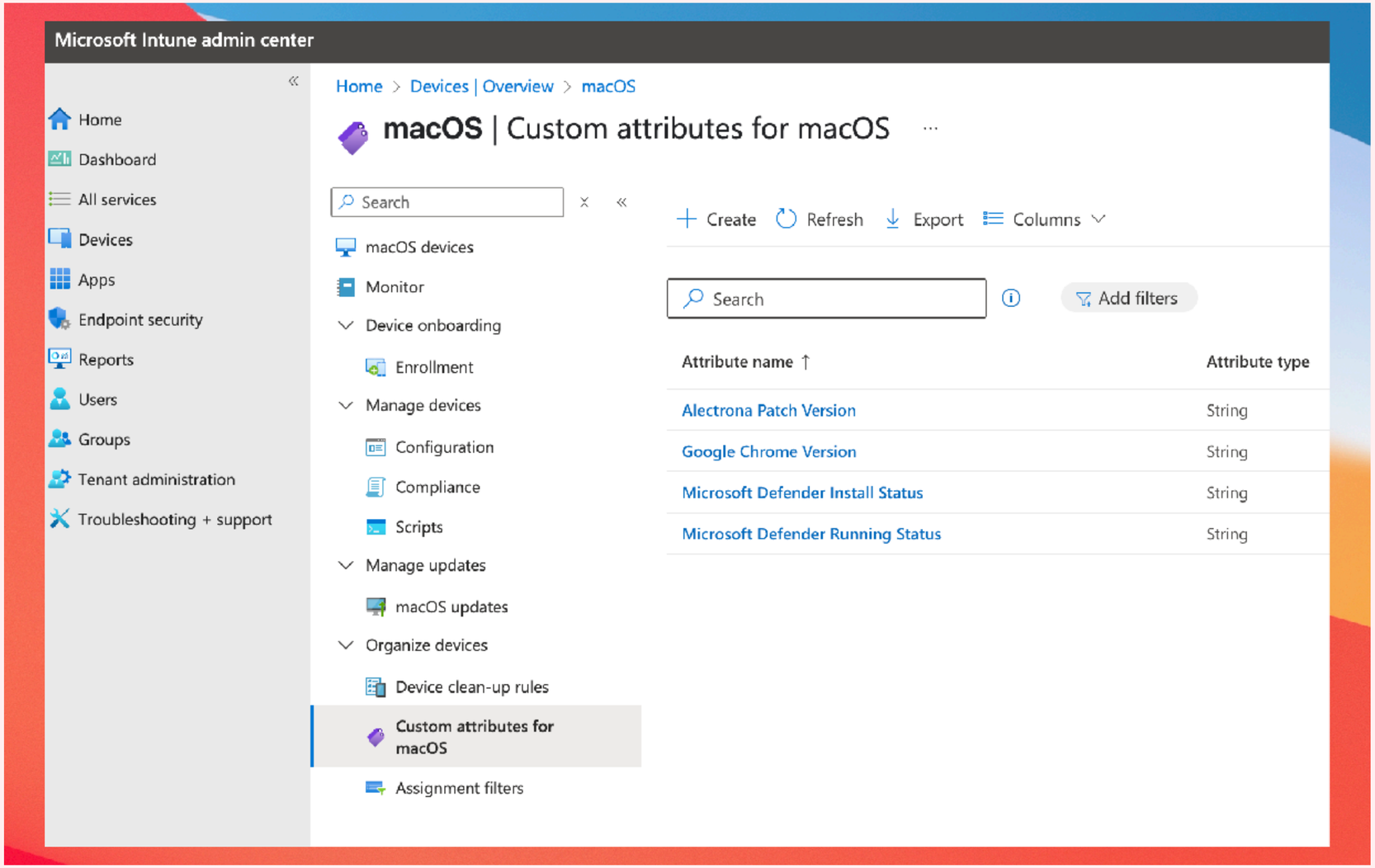
- Similar to Extension Attributes from Jamf



Source: https://learn.microsoft.com/en-us/mem/intune/apps/macos-shell-scripts

Custom Attributes

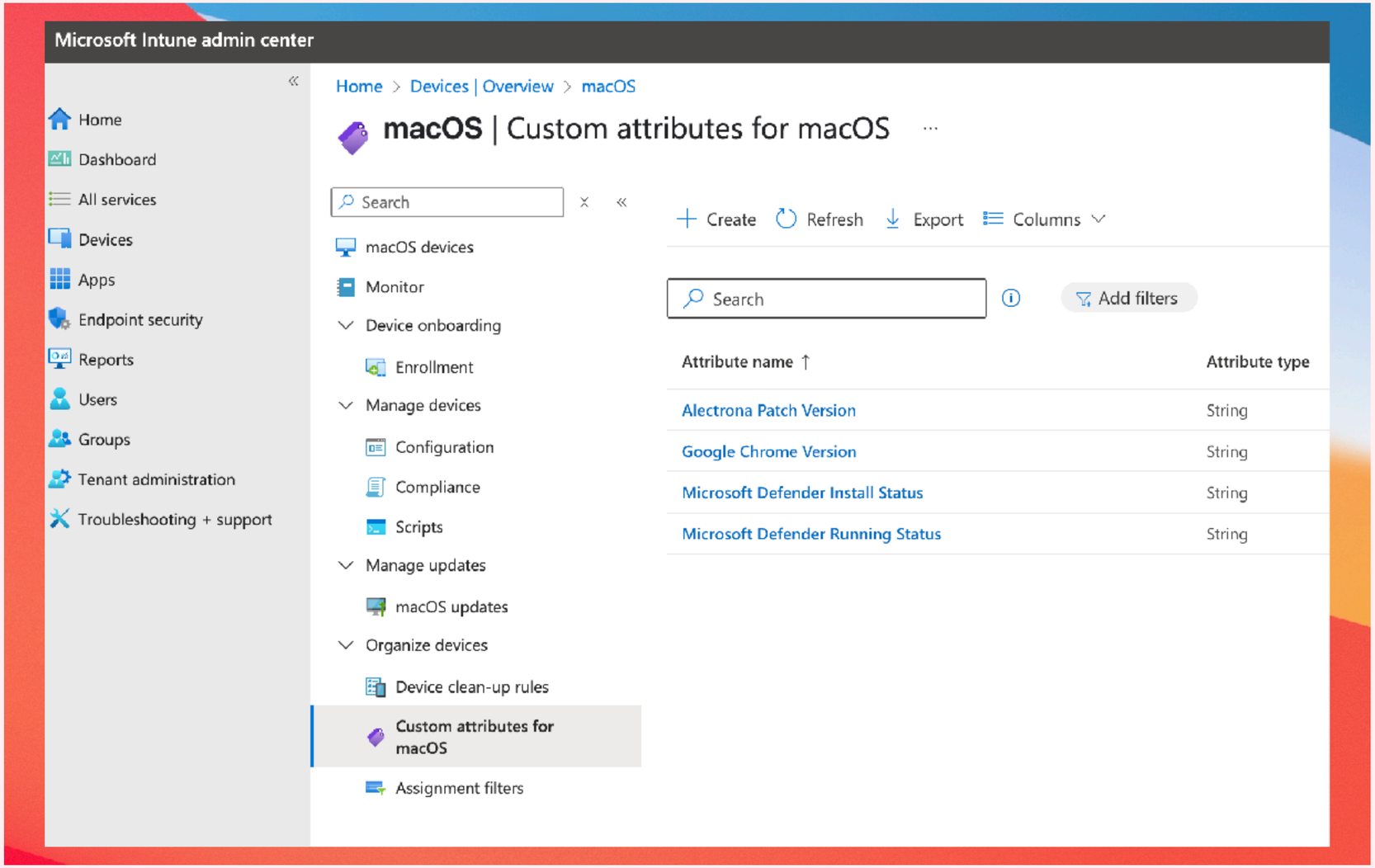
- Similar to Extension Attributes from Jamf
- Microsoft provides dozens of sample scripts at https://github.com/microsoft/shell-intune-samples/tree/master/macOS/Custom%20Attributes



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Custom Attributes

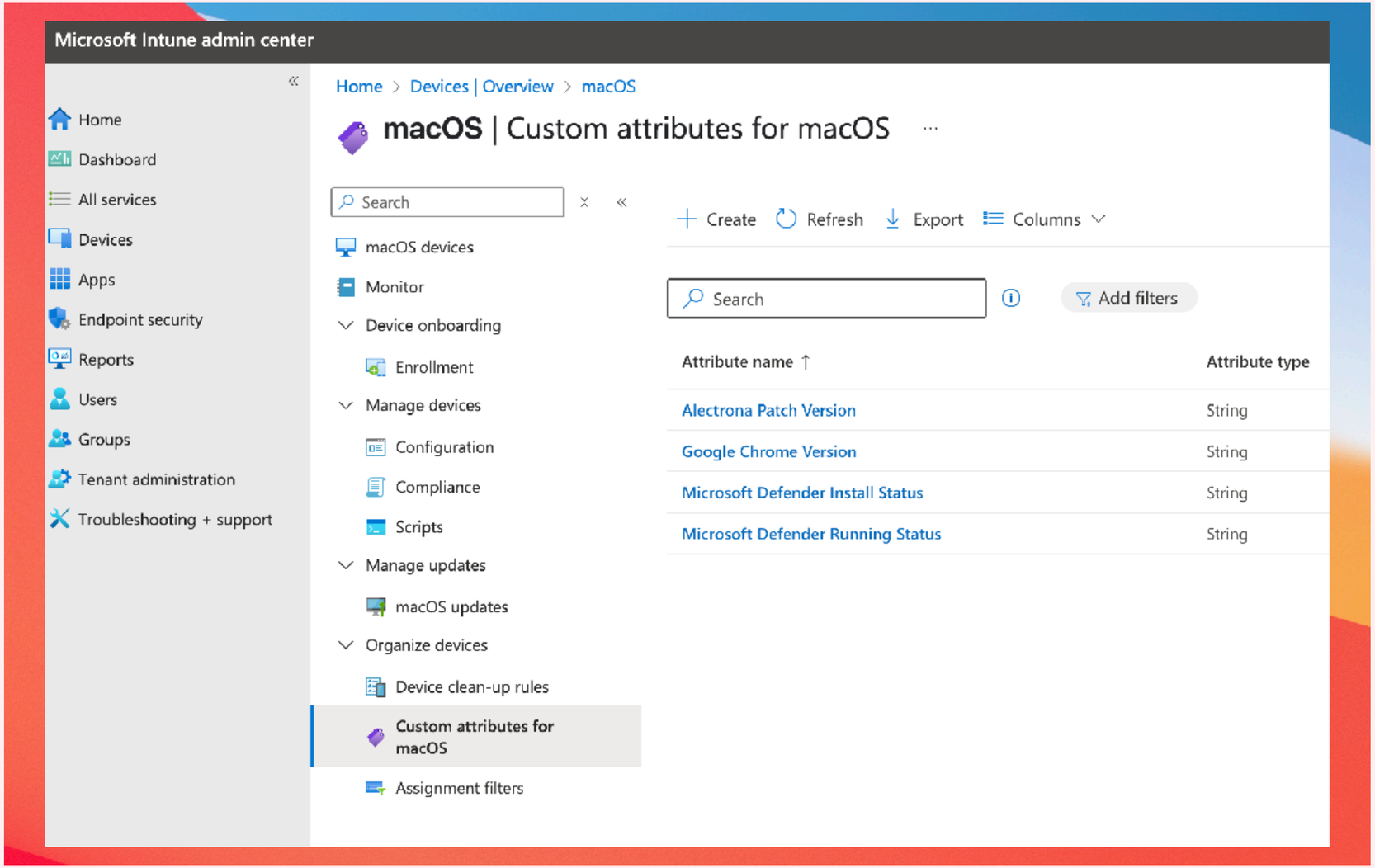
- Similar to Extension Attributes from Jamf
- Microsoft provides dozens of sample scripts at https://github.com/microsoft/shell-intune-samples/tree/master/macOS/Custom%20Attributes
- Execute every 8 hours



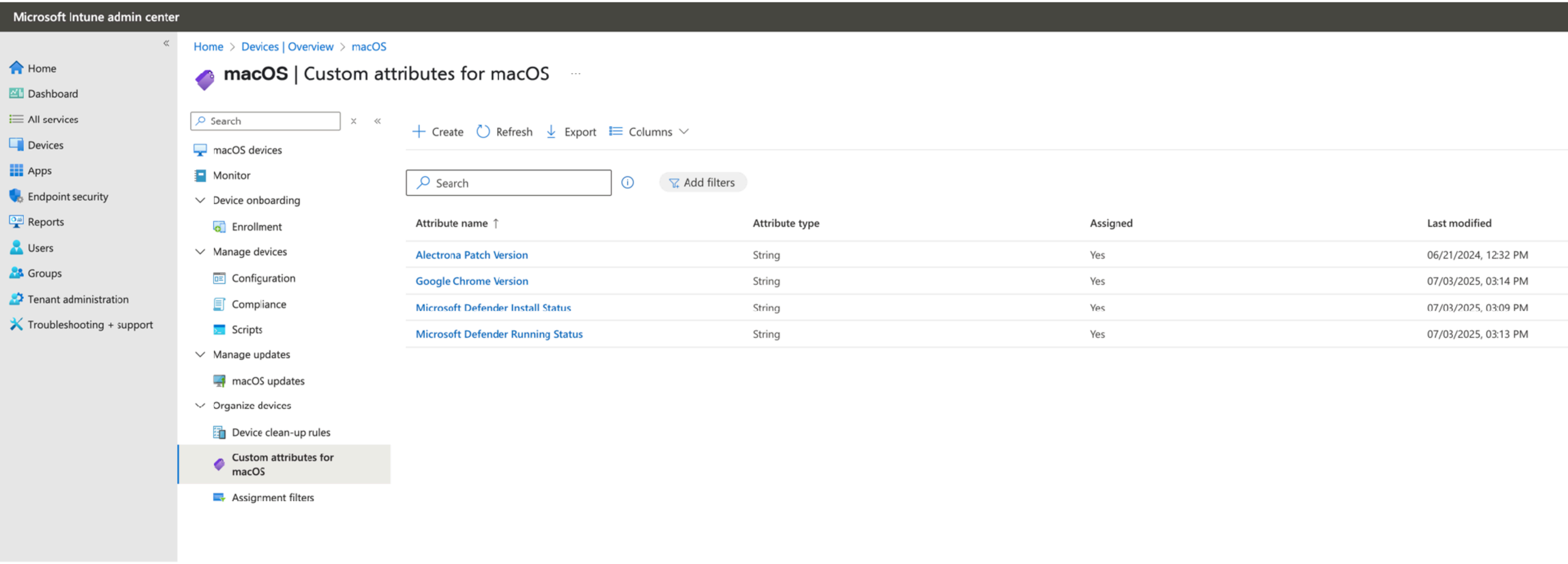
Source: https://learn.microsoft.com/en-us/mem/intune/apps/macos-shell-scripts

Custom Attributes

- Similar to Extension Attributes from Jamf
- Microsoft provides dozens of sample scripts at https://github.com/microsoft/shell-intune-samples/tree/master/macOS/Custom%20Attributes
- Execute every 8 hours
- Viewable globally, but not on device record



Source: https://learn.microsoft.com/en-us/mem/intune/apps/macos-shell-scripts


Microsoft Intune admin center
Home
Dashboard
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Troubleshooting + support
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Custom attributes for macOS
Assignment filters
Create
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Columns
Search
Add filters
Attribute name
Attribute type
Assigned
Last modified
Alectrona Patch Version
String
Yes
06/21/2024, 12:32 PM
Google Chrome Version
String
Yes
07/03/2025, 03:14 PM
Microsoft Defender Install Status
String
Yes
07/03/2025, 03:09 PM
Microsoft Defender Running Status
String
Yes
07/03/2025, 03:13 PM

tributes for macOS ...

+ Create Refresh Export Columns

Search Add filters

Attribute name ↑	Attribute type	Assigned
Alectrona Patch Version	String	Yes
Google Chrome Version	String	Yes
Microsoft Defender Install Status	String	Yes
Microsoft Defender Running Status	String	Yes

tributes for macOS ...

+ Create Refresh Export Columns

Search Add filters

Attribute name ↑	Attribute type	Assigned
Alectrona Patch Version	String	Yes
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Microsoft Defender Running Status	String	Yes

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Troubleshooting + support

Microsoft Defender Install Status | Properties

macOS

Search
Overview
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Basics Edit

Name	Microsoft Defender Install Status
Description	Custom Attribute to return if Microsoft Defender is installed.

Settings Edit

Data type of attribute	String
Custom attribute	MicrosoftDefenderInstallCA.sh
File contents	

```
2
3   # Custom Attribute to return if Microsoft Defender is i
4
5   appPath="/Applications/Microsoft Defender.app"
6
7   if [[ -d "$appPath" ]]; then
8       /bin/echo "Installed"
9   else
10      /bin/echo "Not installed"
11  fi
```

Scope tags Edit

Default

Assignments Edit

Included groups	All Devices
Excluded groups	No Excluded groups

Basics Edit

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Data type of attribute	String
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macOS | Custom attributes for macOS

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Compliance
Scripts
Manage updates
macOS updates
Organize devices
Device clean-up rules
Custom attributes for macOS
Assignment filters

Create Refresh Export Columns

Search Add filters

Attribute name ↑	Attribute type	Assigned	Last modified
Alectrona Patch Version	String	Yes	06/21/2024, 12:32 PM
Google Chrome Version	String	Yes	07/03/2025, 03:14 PM
Microsoft Defender Install Status	String	Yes	07/03/2025, 03:09 PM
Microsoft Defender Running Status	String	Yes	07/03/2025, 03:13 PM

tributes for macOS ...

+ Create Refresh Export Columns

Search Add filters

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Alectrona Patch Version	String	Yes
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Microsoft Defender Running Status	String	Yes

tributes for macOS ...

+ Create Refresh Export Columns

Search Add filters

Attribute name ↑	Attribute type	Assigned
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Microsoft Defender Running Status	String	Yes

Google Chrome Version | Properties

macOS

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Monitor

Saved Google Chrome Version

Basics Edit

Name	Google Chrome Version
Description	Custom Attribute to return the version of Google Chrome that is installed.

Settings Edit

Data type of attribute	String
Custom attribute	getGoogleChromeVersionCA.sh
File contents	

```
11  app="Google Chrome.app"
12
13  # Fixed Variables
14  attribute="CFBundleShortVersionString"
15  InfoPlistPath="/Applications/$app/Contents/Info.plist"
16
17  # Attempt to read CFBundleStringShortVersionString and
18  if [[ -f "$InfoPlistPath" ]]; then
19  ver=$(plutil -p "$InfoPlistPath" | grep "$attribute" |
20      echo $ver
```

Scope tags Edit

Default

Assignments Edit

Included groups	All Devices
Excluded groups	No Excluded groups

Basics Edit

Name	Google Chrome Version
Description	Custom Attribute to return the version of Google Chrome that is installed.

Settings Edit

Data type of attribute	String
Custom attribute	getGoogleChromeVersionCA.sh
File contents	

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Scope tags Edit

Default

Assignments Edit

Included groups	All Devices
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Basics Edit

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Settings Edit

Data type of attribute	String
Custom attribute	getGoogleChromeVersionCA.sh
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Scope tags Edit

Default

Assignments Edit

Included groups	All Devices
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macOS | Custom attributes for macOS

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Compliance
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macOS updates
Organize devices
Device clean-up rules
Custom attributes for macOS
Assignment filters

Create | Refresh | Export | Columns

6 items

Search | Add filters

Attribute name	Attribute type	Assigned	Last modified
Alectrona Patch Version	String	Yes	06/21/2024, 12:32 PM
Microsoft Defender Install Status	String	Yes	07/03/2025, 03:09 PM
Google Chrome Version	String	Yes	07/03/2025, 03:29 PM
Compliance Script - Failed Results Count	Integer	Yes	07/10/2025, 01:41 PM
Microsoft Defender Running Status	String	Yes	07/03/2025, 03:13 PM
Compliance Script - Failed Results List	String	Yes	07/10/2025, 01:41 PM

Microsoft Defender Install Status | Device status

macOS

Search

Overview

Manage

Properties

Monitor

Device status

User status

Export Columns

Search

Device name	User name	OS Version	Status	Result	Last Updated
Andrew Myers	andrew@alectrona.com	15.5 (24F74)	Succeeded	Installed	2025-07-04T13:45:07Z

Microsoft Defender Running Status | Device status

macOS

Search

Overview

Manage

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Monitor

Device status

User status

Export Columns

Search

Device name	User name	OS Version	Status	Result	Last Updated
Andrew Myers	andrew@alectrona.com	15.5 (24F74)	Succeeded	Defender running	2025-07-04T13:45:07Z

Google Chrome Version | Device status

macOS

Search

Overview

Manage

Properties

Monitor

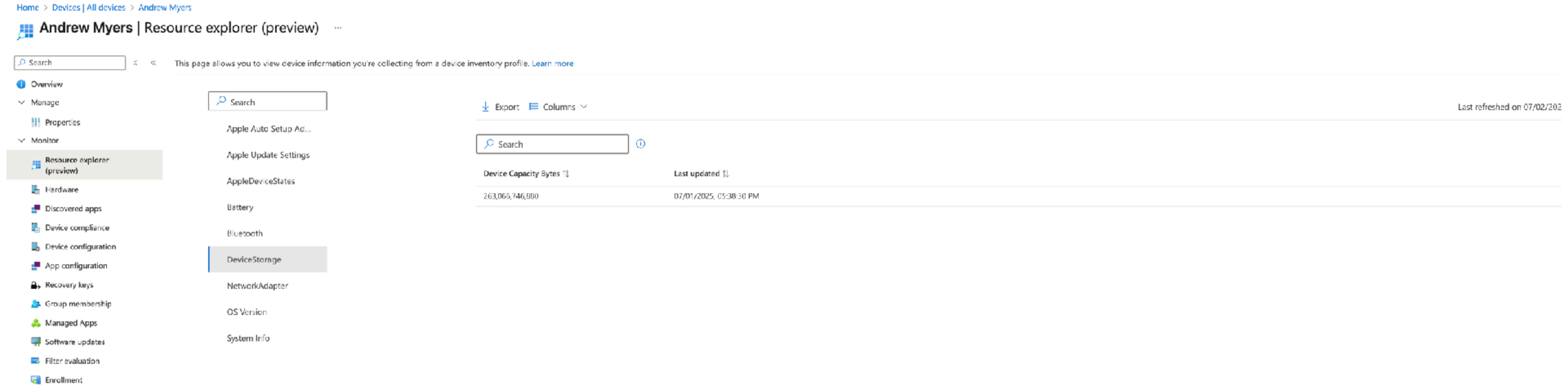
Device status

User status

Export Columns

Search

Device name	User name	OS Version	Status	Result	Last Updated
Andrew Myers	andrew@alectrona.com	15.5 (24F74)	Succeeded	138.0.7204.93	2025-07-04T13:45:07Z


Home > Devices | All devices > Andrew Myers
Andrew Myers | Resource explorer (preview)
Search
This page allows you to view device information you're collecting from a device inventory profile. Learn more
Overview
Manage
Properties
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Resource explorer (preview)
Hardware
Discovered apps
Device compliance
Device configuration
App configuration
Recovery keys
Group membership
Managed Apps
Software updates
Filter evaluation
Enrollment
Search
Apple Auto Setup Ad...
Apple Update Settings
AppleDeviceStates
Battery
Bluetooth
DeviceStorage
NetworkAdapter
OS Version
System Info
Export
Columns
Last refreshed on 07/02/202
Search
Device Capacity Bytes
Last updated
263,065,746,880
07/01/2025, 05:38:30 PM

rce explorer (preview) ...

is page allows you to view device information you're collecting from a device inventory profile. Learn more

Search

- Apple Auto Setup Ad...
- Apple Update Settings
- AppleDeviceStates
- Battery
- Bluetooth
- DeviceStorage
- NetworkAdapter
- OS Version
- System Info

Export | Columns

Search

Device Capacity Bytes	Last updated
263,066,746,880	07/01/2025, 05:38:30 PM

Home > Devices | Overview > macOS | macOS devices > Andrew Myers

Andrew Myers | Resource explorer (preview)

Search

This page allows you to view device information you're collecting from a device inventory profile. Learn more

- Overview
- Manage
  - Properties
- Monitor
  - Resource explorer (preview)
  - Hardware
  - Discovered apps
  - Device compliance
  - Device configuration
  - App configuration
  - Recovery keys
  - Group membership
  - Managed Apps
  - Software updates
  - Filter evaluation
  - Enrollment

Search

- Apple Auto Setup Ad...
- Apple Update Settings
- AppleDeviceStates
- Battery
- Bluetooth
- DeviceStorage
- NetworkAdapter
- OS Version
- System Info

Export | Columns

Last refreshed on 07/02/2025

Search

Patch Version	Apple Supplemental Build Version	Apple Supplemental OS Version	Build Version	Major Version	Minor Version	OS Name	OS Version	Last updated
	24F74		24F74	15	5	macOS 15.5	15.5	07/01/2025, 05:38:30 PM

entory profile. Learn more

Export Columns

Last refreshed on 07

Search

Patch Version	Apple Supplemental Build Version	Apple Supplemental OS Version	Build Version	Major Version	Minor Version	OS Name	OS Version	Last updated
	24F74		24F74	15	5	macOS 15.5	15.5	07/01/2025, 05:38:30 PM

Andrew Myers | Resource explorer (preview)

Search

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Monitor
Resource explorer (preview)
Hardware
Discovered apps
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Device configuration
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Group membership
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Search

Apple Auto Setup Ad...
Apple Update Settings
AppleDeviceStates
Battery
Bluetooth
DeviceStorage
NetworkAdapter
OS Version
System Info

Export Columns

Last refreshed on 07/

Search

Hardware Serial Number	Apple Product Name	Apple Silicon	Apple Software Update Device ID	Computer Name	Device Name	Hardware Model	Marketing Name	UUID	Last updated
FVFFC0E0Q6L7	MacBookAir10,1	true	J313AP	Andrew-Myers	Andrew Myers	MGN93LL/A	MacBook Air (M1, 2020)	00008103-000D39363CDA001E	07/02/2025, 10:40:32 AM

nventory profile. Learn more

Export Columns

Last refres

Search

Hardware Serial Number	Apple Product Name	Apple Silicon	Apple Software Update Device ID	Computer Name	Device Name	Hardware Model	Marketing Name	UUID	Last updated
FVFFC0E0Q6L7	MacBookAir10,1	true	J313AP	Andrew-Myers	Andrew Myers	MGN93LL/A	MacBook Air (M1, 2020)	00008103-000D39363CDA001E	07/02/2025,

Migrating to Intune


YOUR BOSS
CURRENT MDM
INTUNE
imgflip.com

Planning...



Planning...



1. Review current workflows from existing MDM:
   - Device enrollment process
   - App stack
   - Security configuration and requirements

Planning...



1. Review current workflows from existing MDM:
   - Device enrollment process
   - App stack
   - Security configuration and requirements
2. Design in Intune:
   - Implement above workflows in Intune
   - Use the opportunity to redefine and modernize approaches

Planning...



1. Review current workflows from existing MDM:
   - Device enrollment process
   - App stack
   - Security configuration and requirements
2. Design in Intune:
   - Implement above workflows in Intune
   - Use the opportunity to redefine and modernize approaches
3. Test and Pilot:
   - Identify test users early and migrate them
   - Identify and resolve issues quickly - encourage feedback
   - Build up documentation, troubleshooting steps, new processes



Planning...

1. Review current workflows from existing MDM:
   - Device enrollment process
   - App stack
   - Security configuration and requirements
2. Design in Intune:
   - Implement above workflows in Intune
   - Use the opportunity to redefine and modernize approaches
3. Test and Pilot:
   - Identify test users early and migrate them
   - Identify and resolve issues quickly - encourage feedback
   - Build up documentation, troubleshooting steps, new processes
4. Migrate:
   - With Tahoe, use ABM!
   - Aim for seamless experience - don’t need to wipe or provision new hardware

ABM/ASM Migration

Apple KB: https://support.apple.com/guide/apple-business-manager/migrate-devices-to-a-new-management-service-axm2b18cfbd2/web

ABM/ASM Migration

Requirements

- iOS, iPad OS, and macOS 26
- Must be previously enrolled with ADE
- Apple Configurator enrollments must wait 30 days

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ABM/ASM Migration

Requirements

- iOS, iPad OS, and macOS 26
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Configure Migration

- Choose the new target MDM
- Configure the deadline (up to 90 days)

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ABM/ASM Migration



- iOS, iPad OS, and macOS 26
- Must be previously enrolled with ADE
- Apple Configurator enrollments must wait 30 days

- Choose the new target MDM
- Configure the deadline (up to 90 days)

- Review enrollment status in Intune
- Unmanage/cleanup old MDM
- Get feedback

Apple KB: https://support.apple.com/guide/apple-business-manager/migrate-devices-to-a-new-management-service-axm2b18cfbd2/web

ABM Migration

ABM Migration



MacBook Pro 14"

Overview

Device Management Service

Device Model
MacBook Pro 14"

Serial Number

Details

Source
Apple Configurator

Order Number

Part Number
Z15H

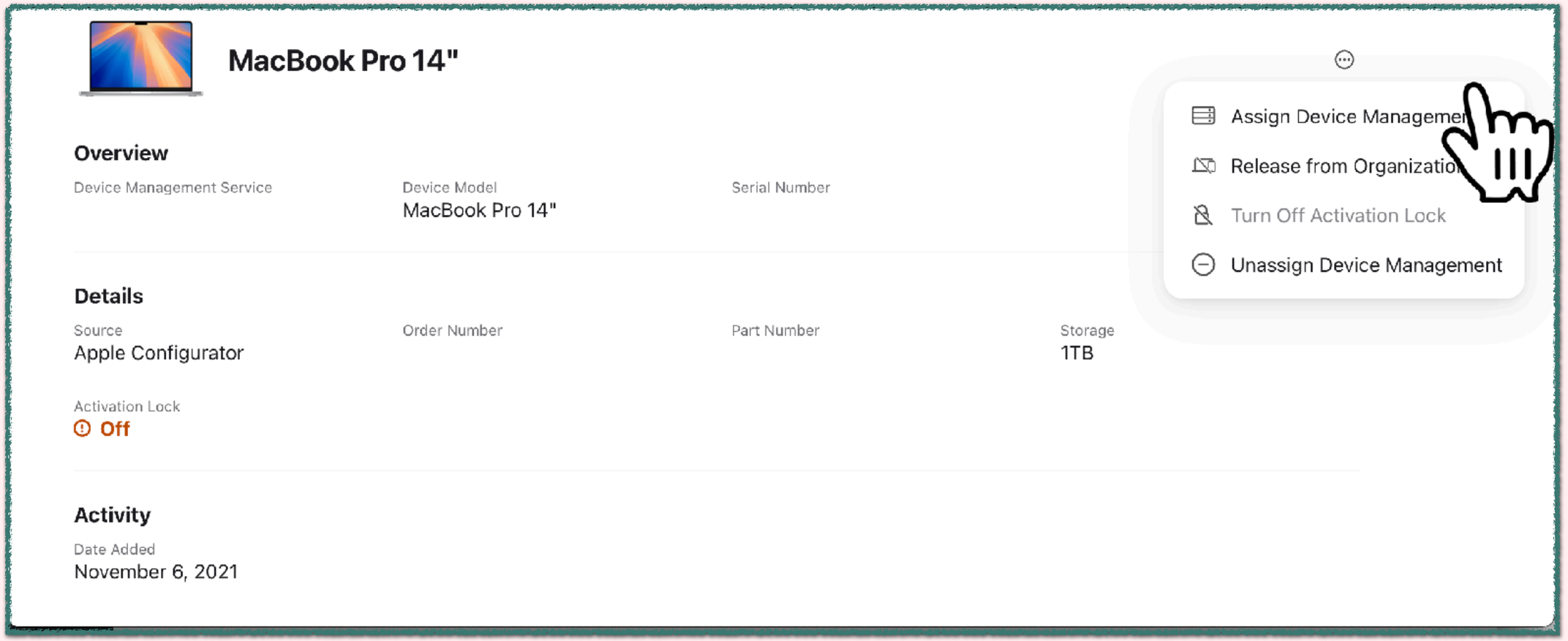
Storage
1TB

Activation Lock
Off

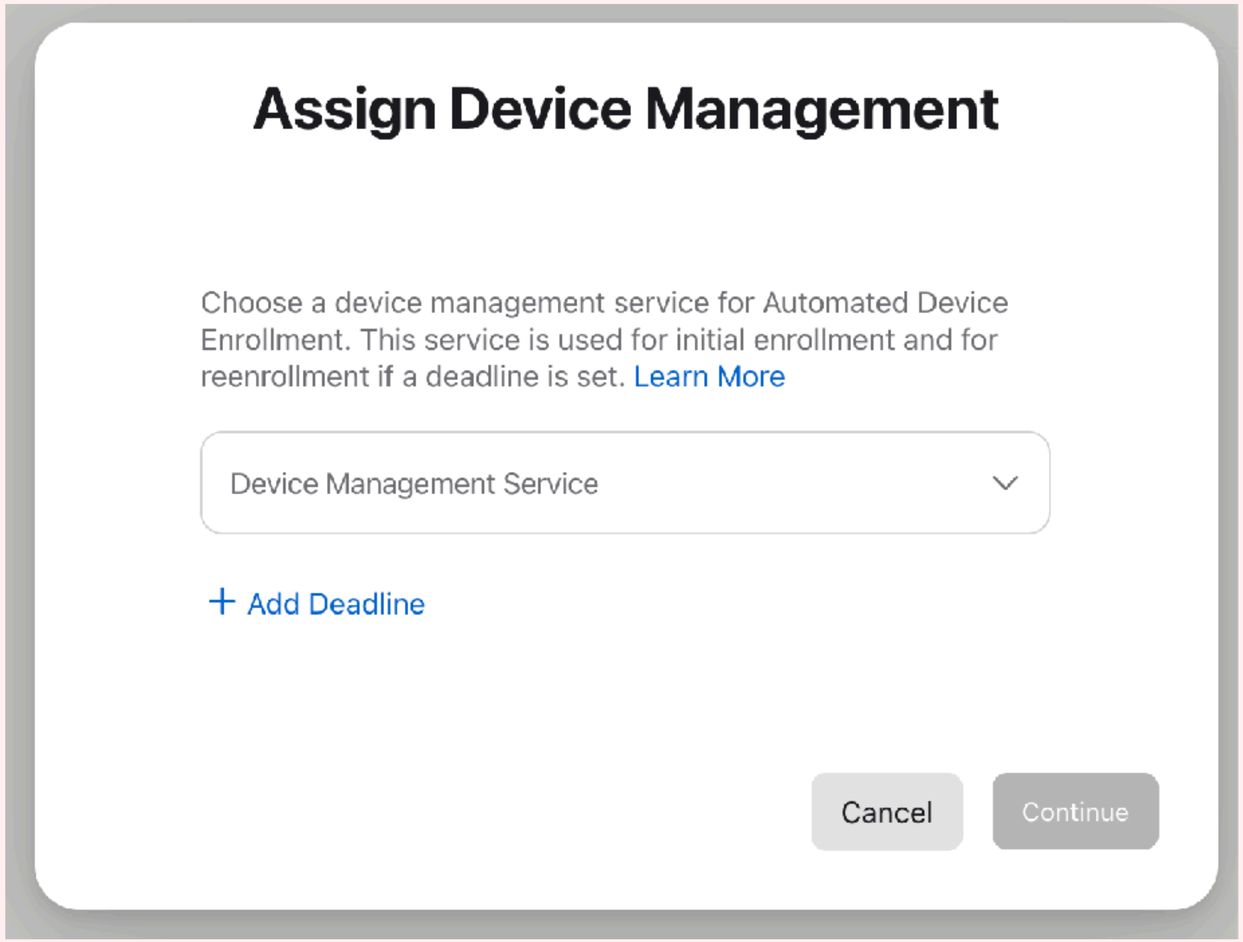
Activity

Date Added
November 6, 2021

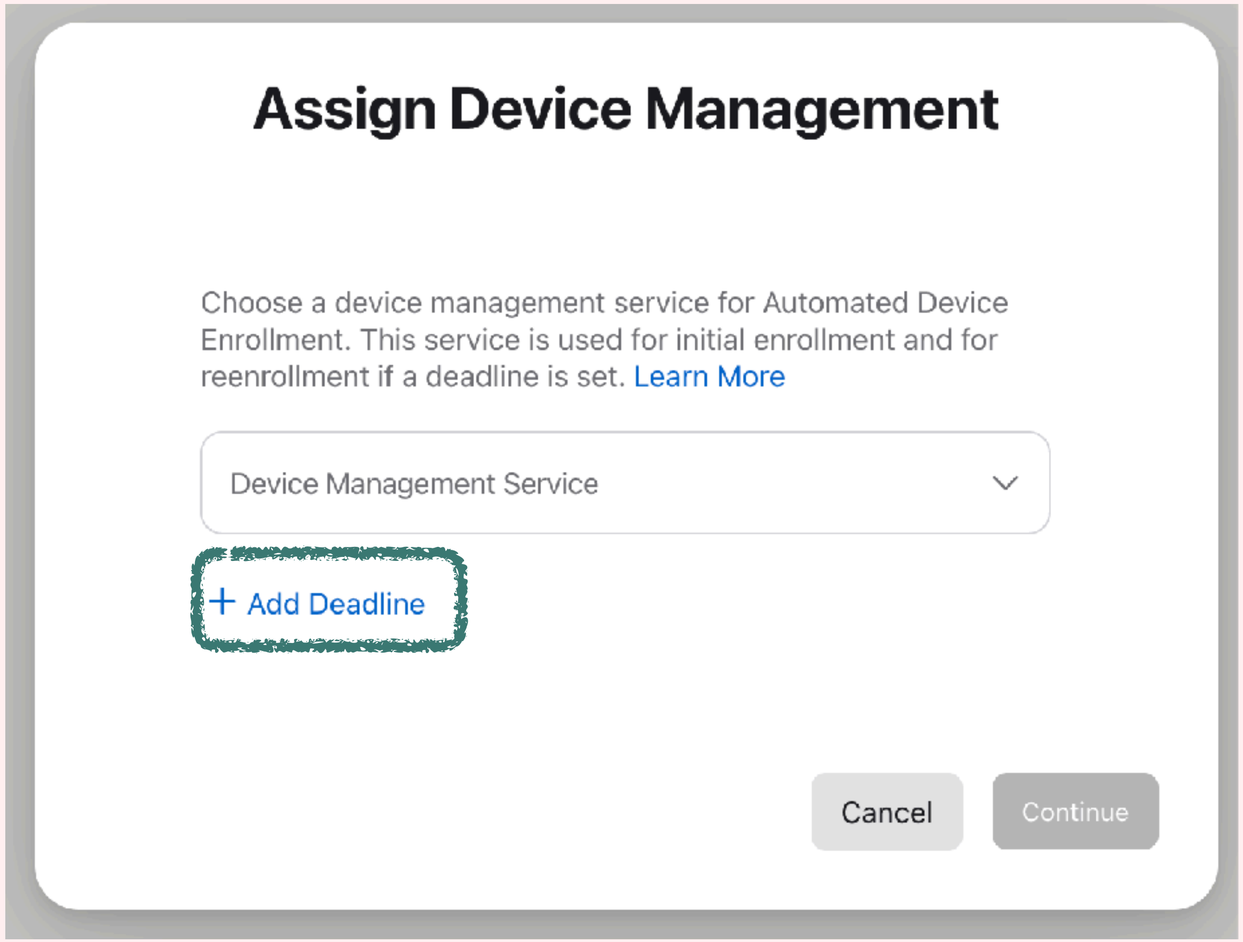
ABM Migration



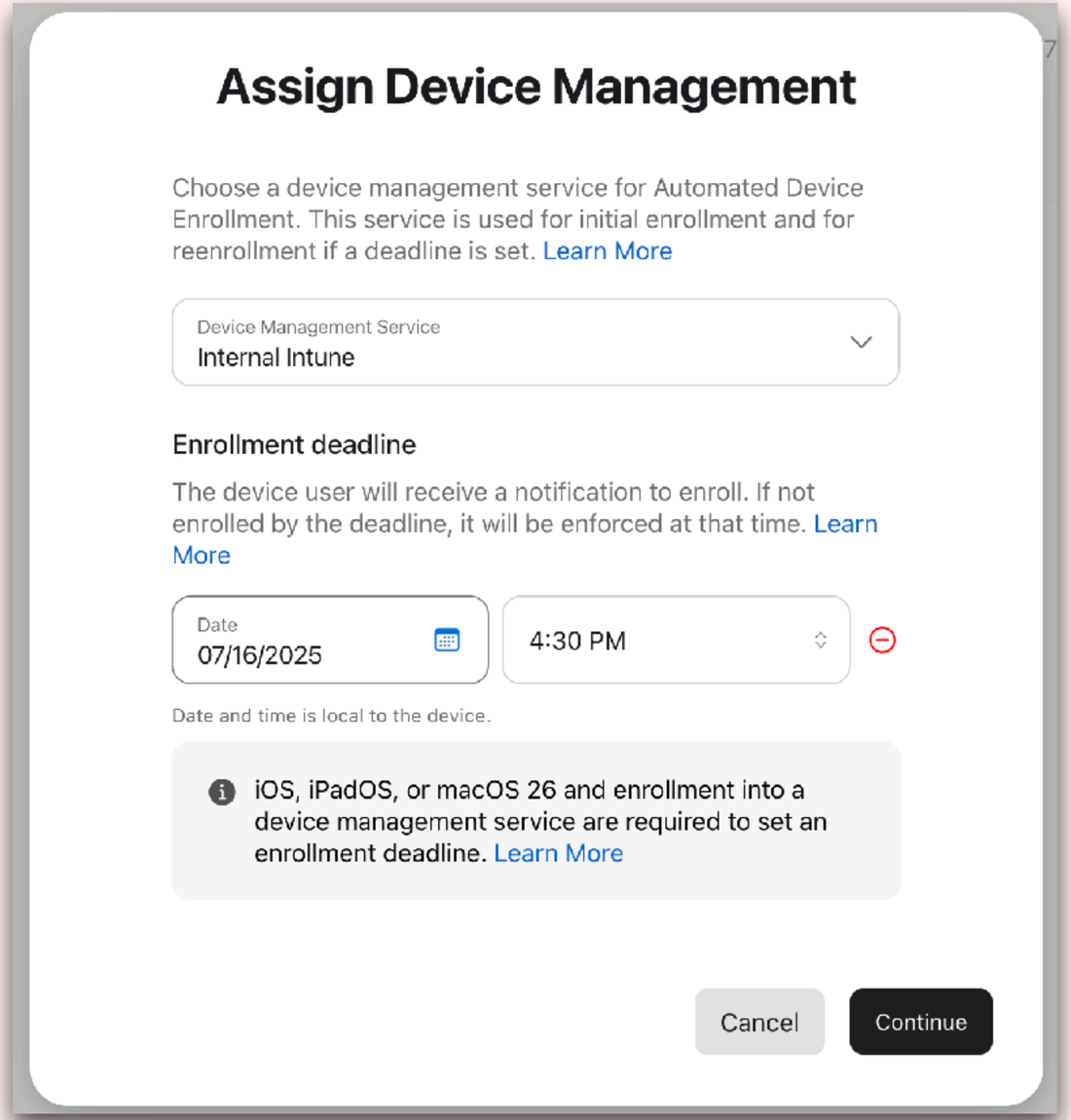
ABM Migration



ABM Migration



ABM Migration



ABM Migration



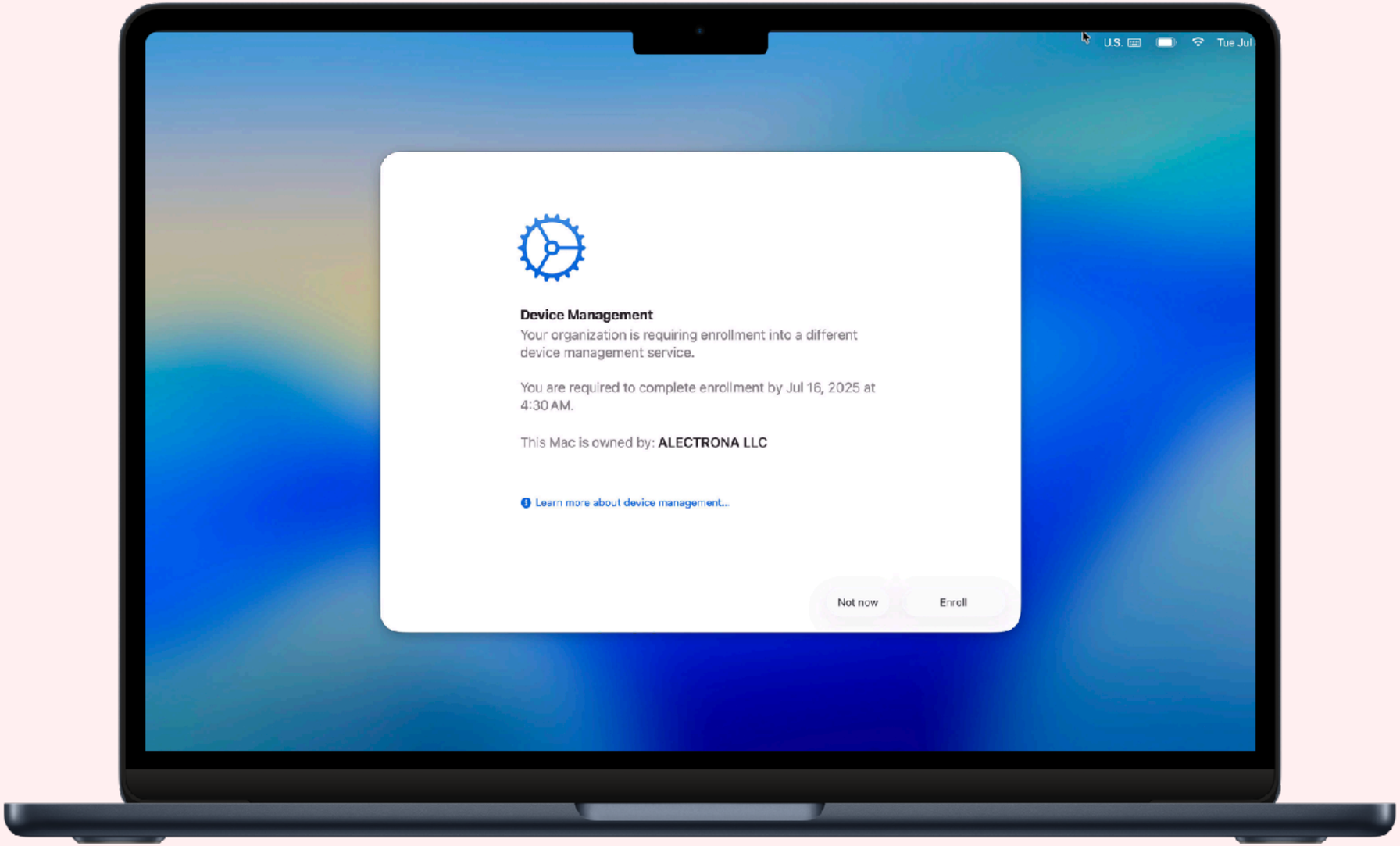
ABM Migration



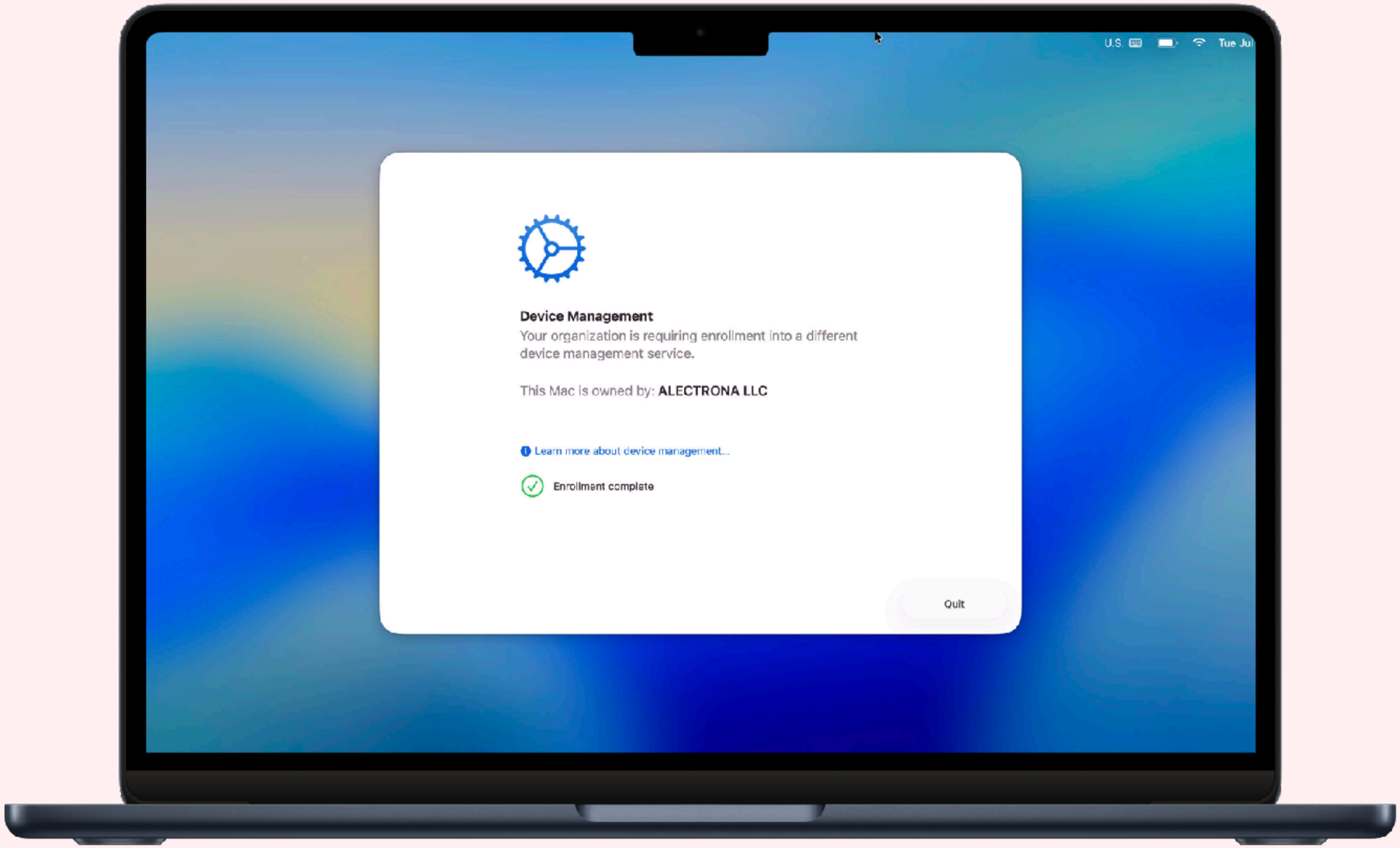
ABM Migration



ABM Migration

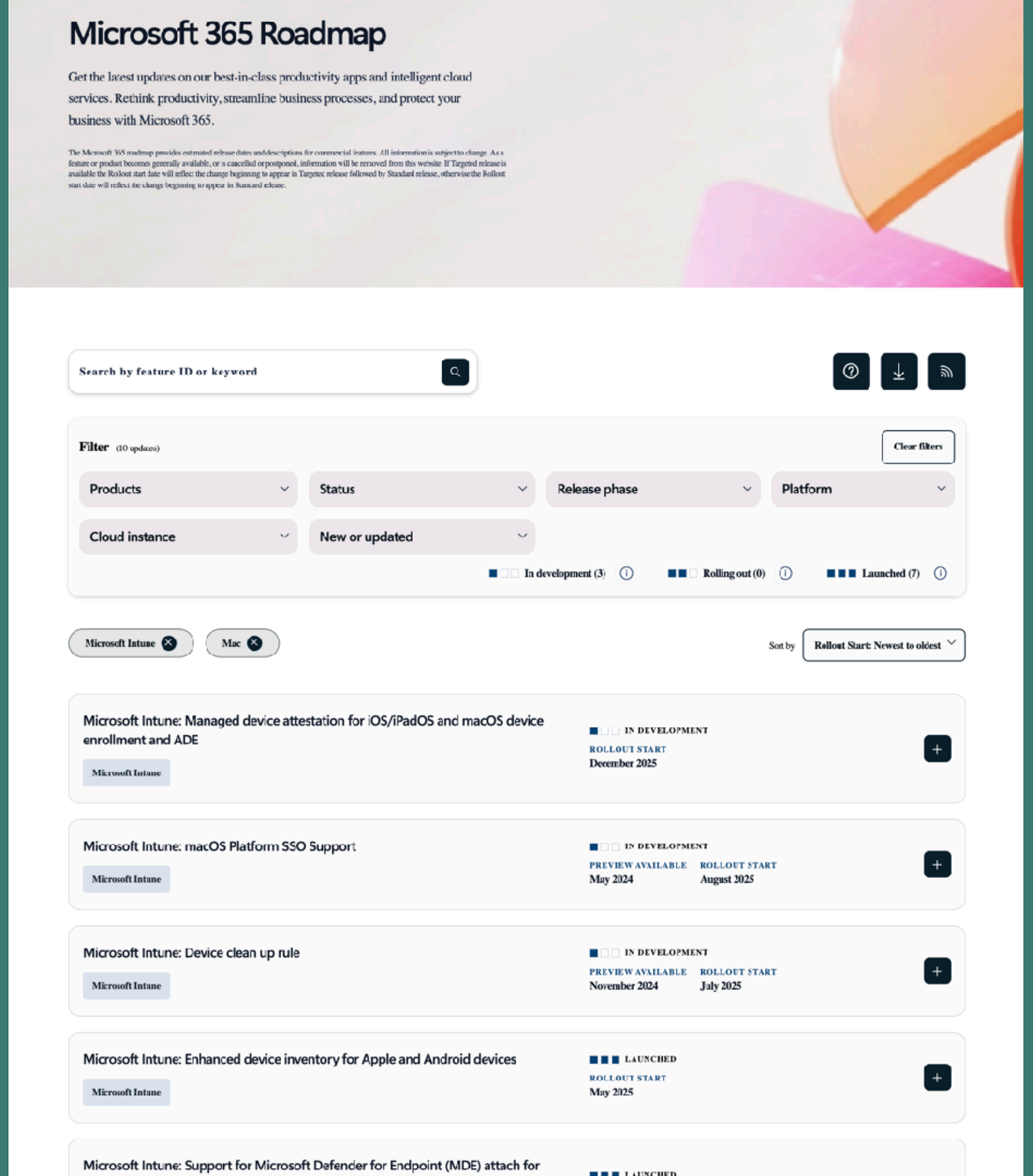


ABM Migration



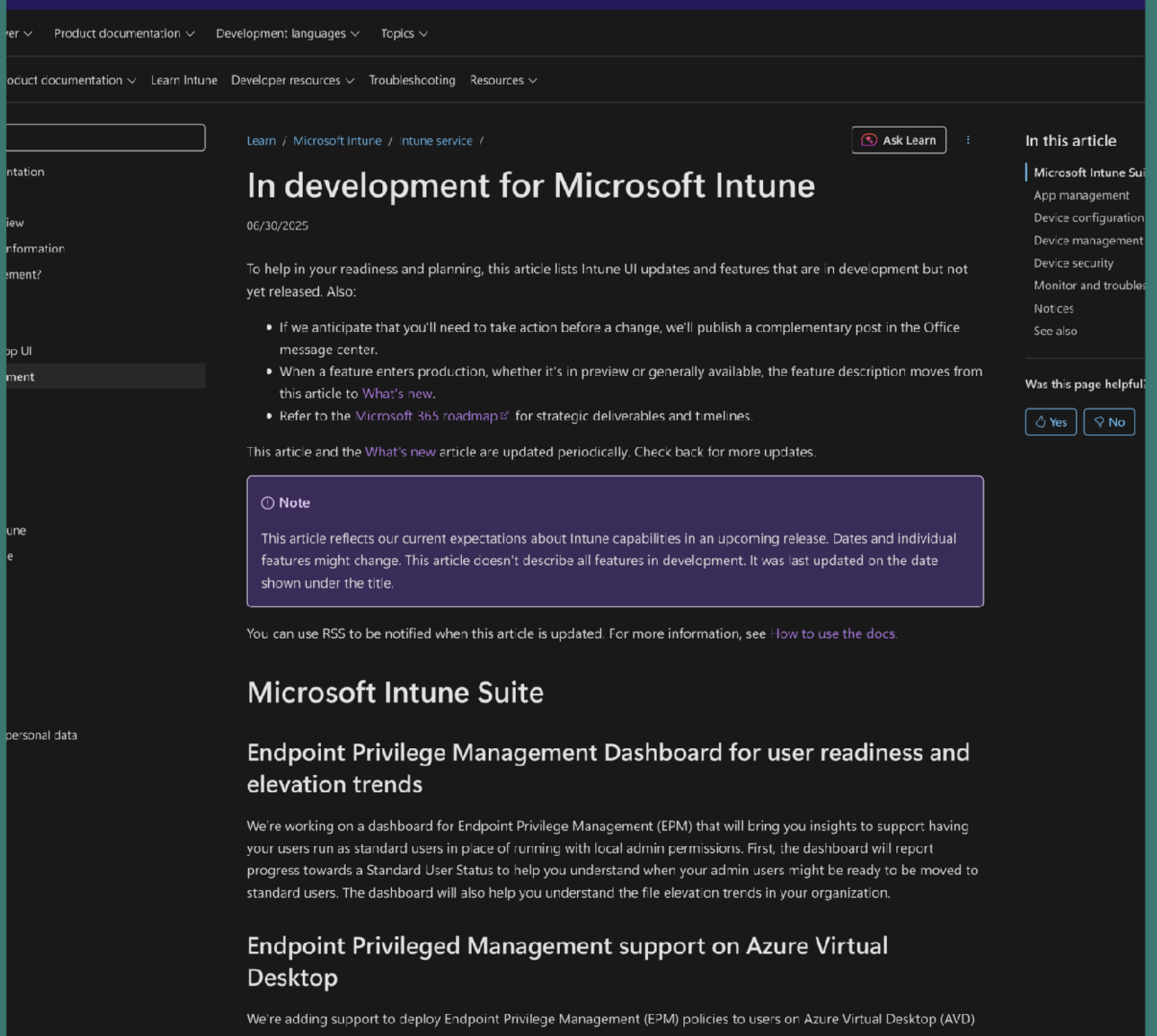
Resources

- Roadmap
  - https://www.microsoft.com/en-us/microsoft-365/roadmap?rtc=3&filters=Microsoft%20Intune%2CMac
- In Development
  - https://learn.microsoft.com/en-us/intune/intune-service/fundamentals/in-development
- Production Release Notes
  - https://learn.microsoft.com/en-us/intune/intune-service/fundamentals/whats-new



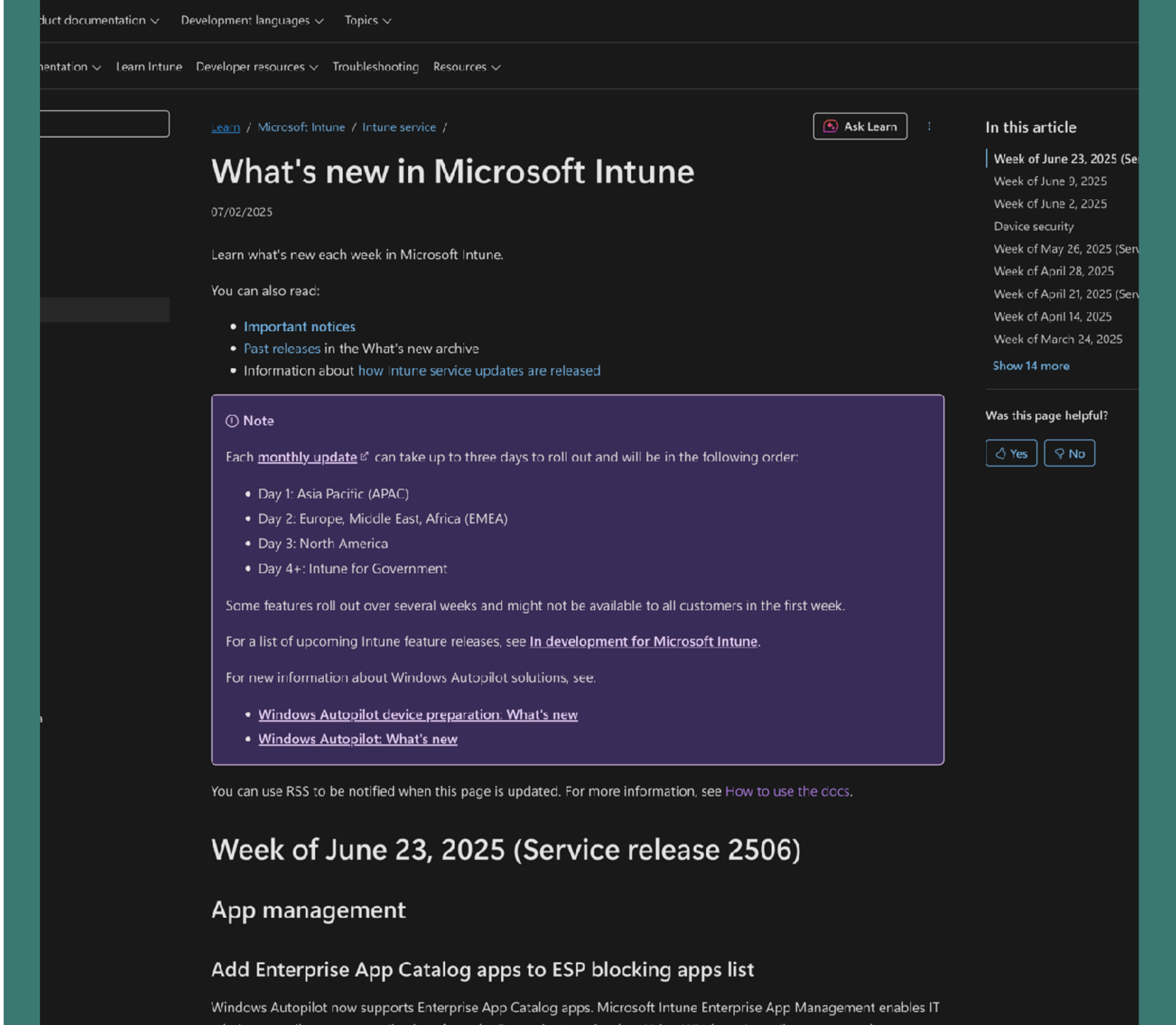
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- Roadmap
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- In Development
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- Production Release Notes
  - https://learn.microsoft.com/en-us/intune/intune-service/fundamentals/whats-new



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Q&A

Thank You

We’d love to connect and discuss this topic more!

> *Visit github.com/alectrona for presentation slides and more info!*

Give us feedback on today’s talk:
https://bit.ly/psumac25-894691



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