Manage & Secure your macOS devices w/ Intune

Fabian Rodriguez
IT Analyst @ Recast Software

Who is this guy?

Developer ⓘ Fabian Rodriguez

Owner ⓘ Podcast: Diary Of A SysAdmin

Notes ⓘ IT Analyst @ Recast Software
VP of Twin Cities Systems Management User Group

Logo ⓘ Change image

Previous Next

Why Intune?

SINGLE GLASS PANE

REDUCE IT COST

IMPROVE SECURITY

Agenda:
Management and Security

Management

- Enrollment (Autopilotish, Local Primary Account, Await Config)
- Application Deployments (DMG, PKG management)
- Platform SSO

Security

- Filevault Encryption (Encryption during setup assistant)
- Microsoft Defender for Endpoint (Configuration kind of)
- Software Updates (Declarative Device Management)

Autopilotish for macOS

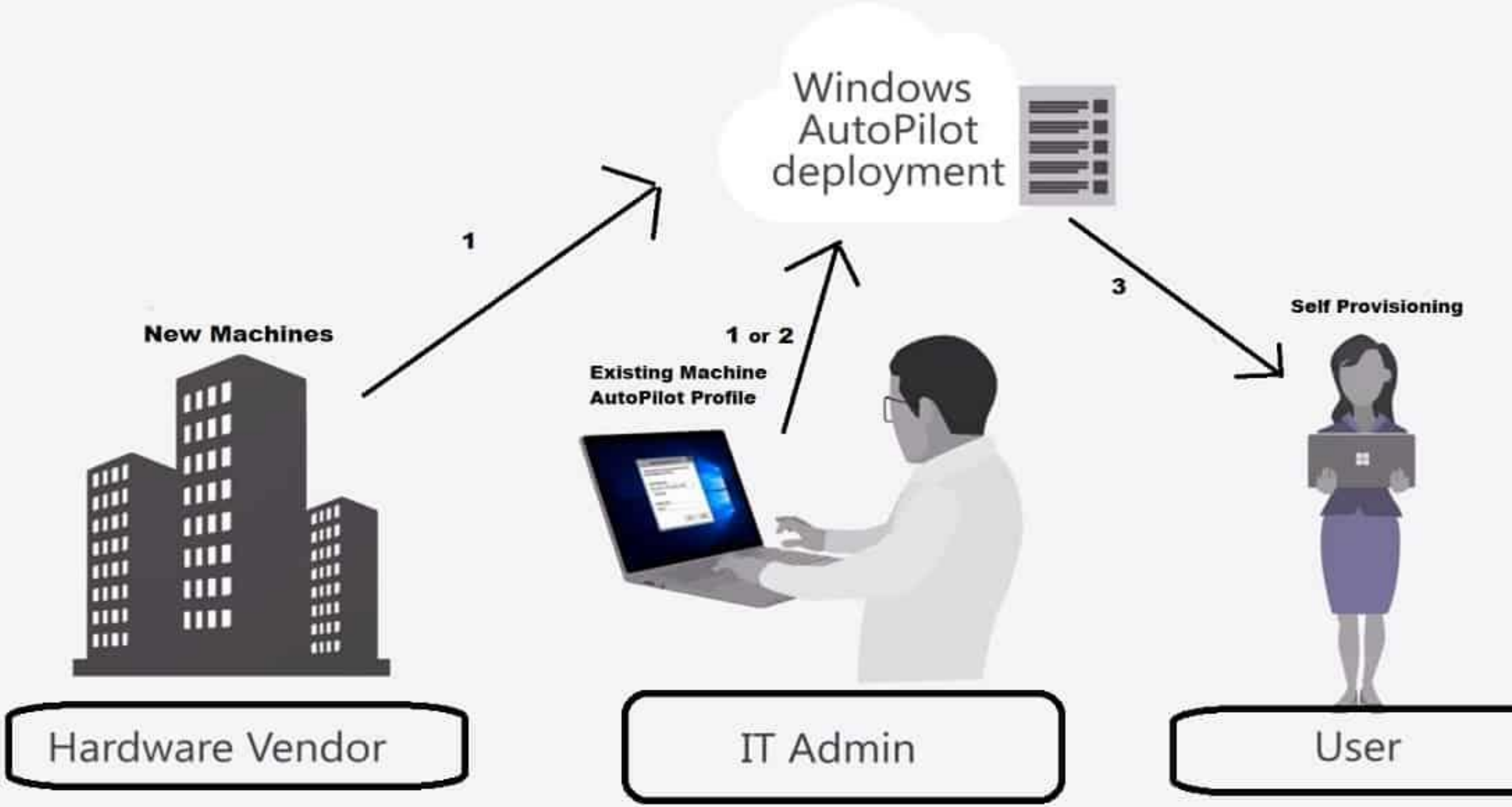
Ecommerce (Apple Store)

Device info goes to Apple Business Manager

Sync device to Microsoft Intune Server

Assign enrollment profile inside of Intune Enrollment program tokens

User logins


Windows
AutoPilot
deployment
1
New Machines
1 or 2
Existing Machine
AutoPilot Profile
3
Self Provisioning
Hardware Vendor
IT Admin
User

Create profile

macOS

Basics | Management Settings | Setup Assistant | 4 Account Settings | 5 Review + create

If you create a local account, Await final configuration is set to Yes regardless of any other configuration even if the toggle for this setting in Management settings displays No. Learn more about local account management

Local primary account (preview)

Create a local primary account * : Yes

Prefill account info : Yes | Not configured

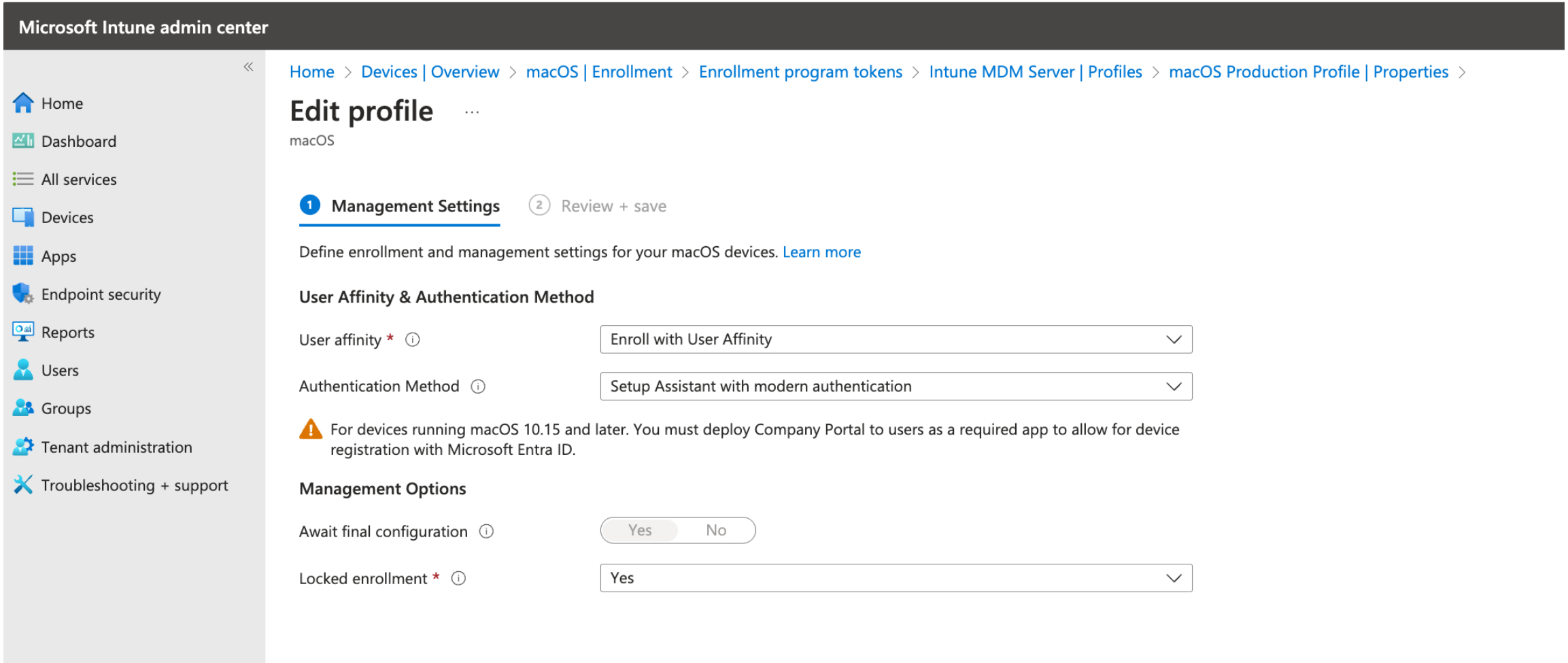
Primary account name : {{partialupn}}

Supported variables: {{partialupn}}

Primary account full name : {{username}}

Supported variables: {{username}}

Restrict editing : Yes | Not configured


Microsoft Intune admin center
Home
Dashboard
All services
Devices
Apps
Endpoint security
Reports
Users
Groups
Tenant administration
Troubleshooting + support
Home > Devices | Overview > macOS | Enrollment > Enrollment program tokens > Intune MDM Server | Profiles > macOS Production Profile | Properties >
Edit profile
macOS
1 Management Settings
2 Review + save
Define enrollment and management settings for your macOS devices. Learn more
User Affinity & Authentication Method
User affinity *
Enroll with User Affinity
Authentication Method
Setup Assistant with modern authentication
For devices running macOS 10.15 and later. You must deploy Company Portal to users as a required app to allow for device registration with Microsoft Entra ID.
Management Options
Await final configuration
Yes
No
Locked enrollment *
Yes

Intune MDM Server | Profiles

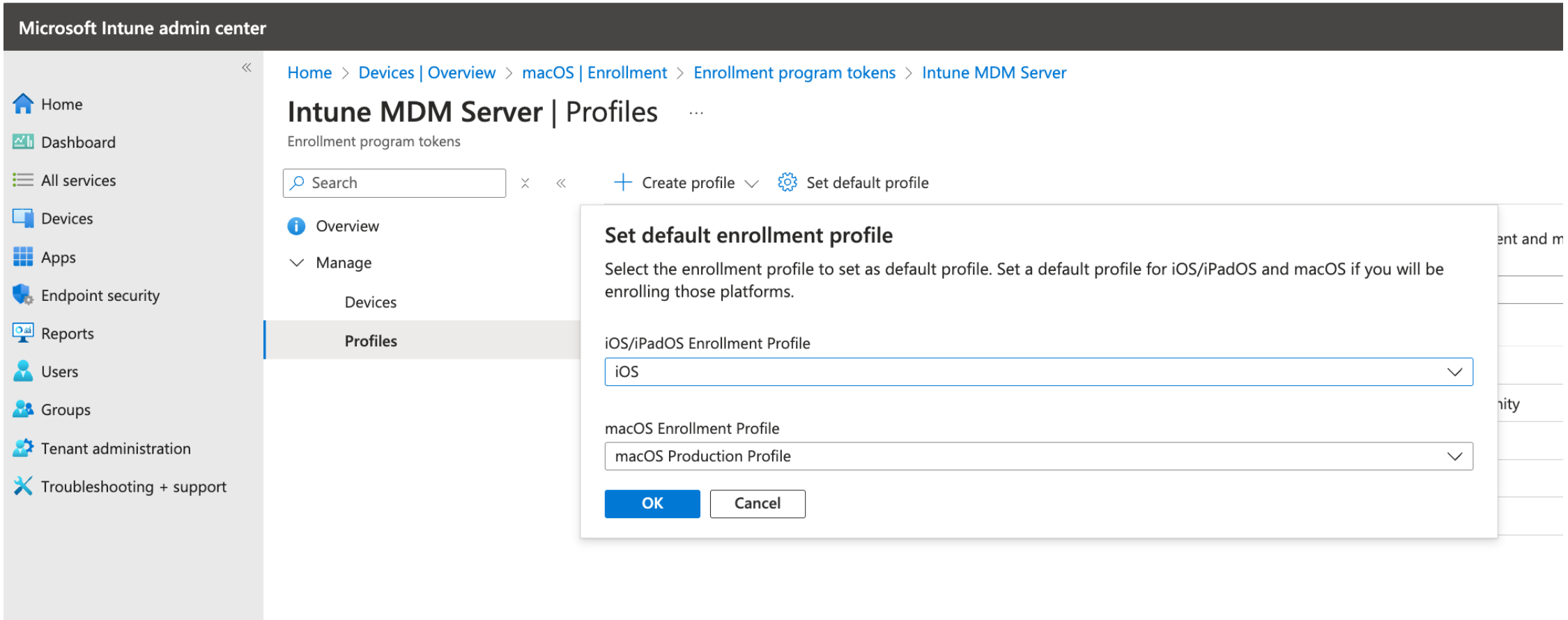
Enrollment program tokens

Create profile | Set default profile

Devices must have an enrollment profile assigned before they are powered on to successfully enroll. Profiles define the enrollment and management settings

Search by profile name

Name	Description	User Affinity	Supervised	De
iPadOS Test Profile		Enroll with User Affinity	Yes	IT
iPad Enrollment Profile		Enroll without User Affinity	Yes	IT
iOS		Enroll with User Affinity	Yes	IT
macOS Production Profile		Enroll with User Affinity	Yes	IT


Microsoft Intune admin center
Home
Dashboard
All services
Devices
Apps
Endpoint security
Reports
Users
Groups
Tenant administration
Troubleshooting + support
Home > Devices | Overview > macOS | Enrollment > Enrollment program tokens > Intune MDM Server
Intune MDM Server | Profiles
Enrollment program tokens
Search
Create profile
Set default profile
Overview
Manage
Devices
Profiles
Set default enrollment profile
Select the enrollment profile to set as default profile. Set a default profile for iOS/iPadOS and macOS if you will be enrolling those platforms.
iOS/iPadOS Enrollment Profile
iOS
macOS Enrollment Profile
macOS Production Profile
OK
Cancel

FileVault Encryption (Setup Assistant)

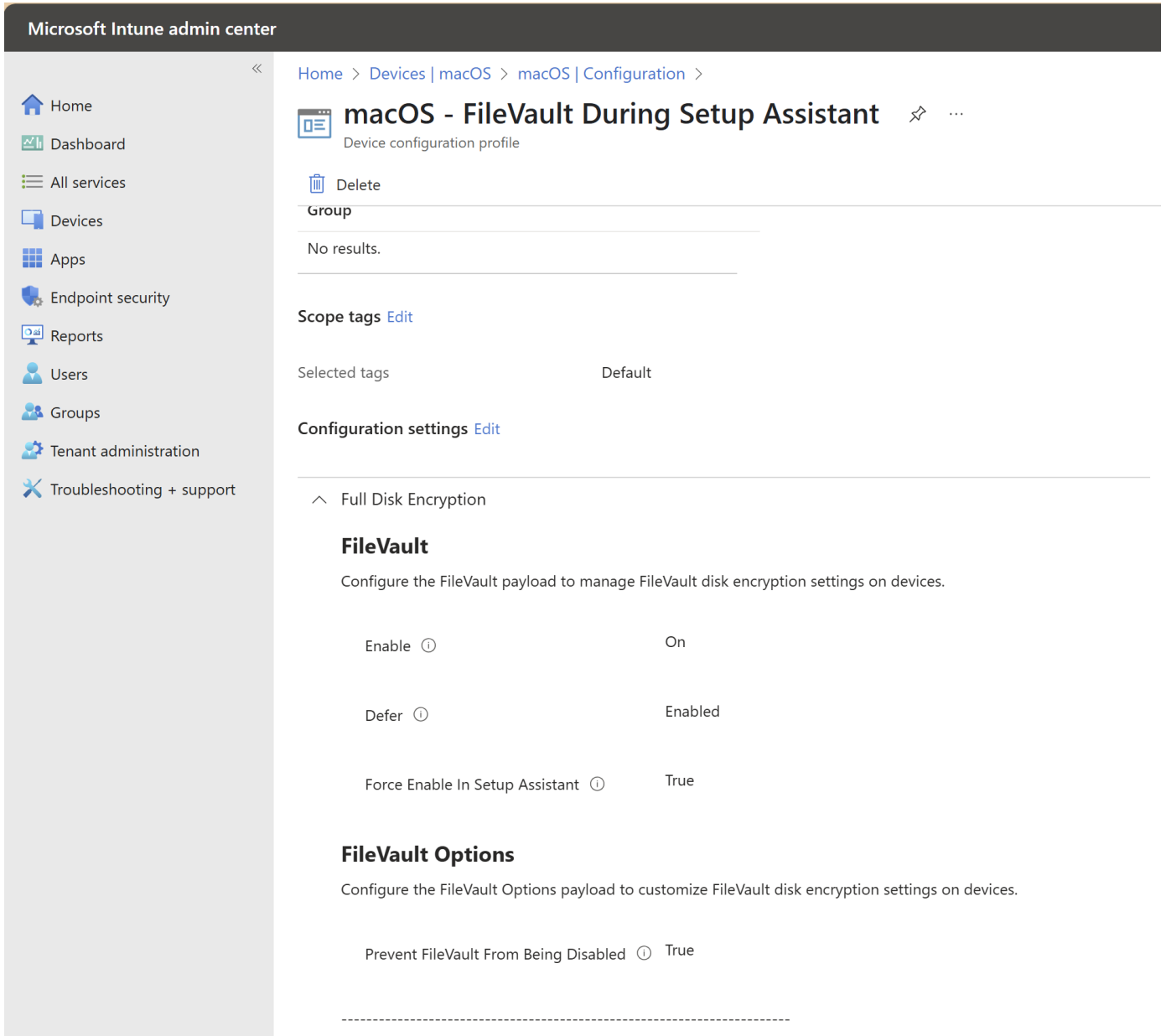
Like BitLocker

Enforce during user onboarding

Where else can I setup FileVault Encryption? Endpoint Security Policy or Settings Catalog policy.

***Optional*:** Block end users from disabling FileVault

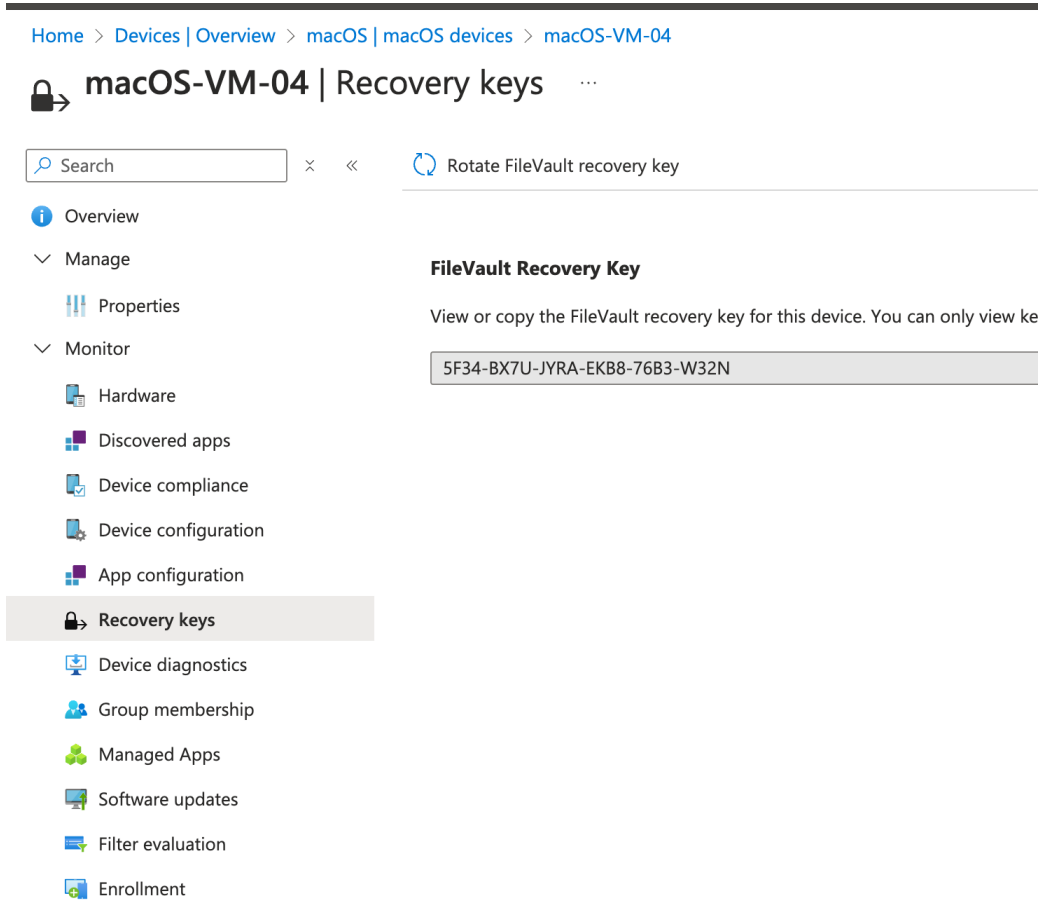
FileVault Setup Assistant

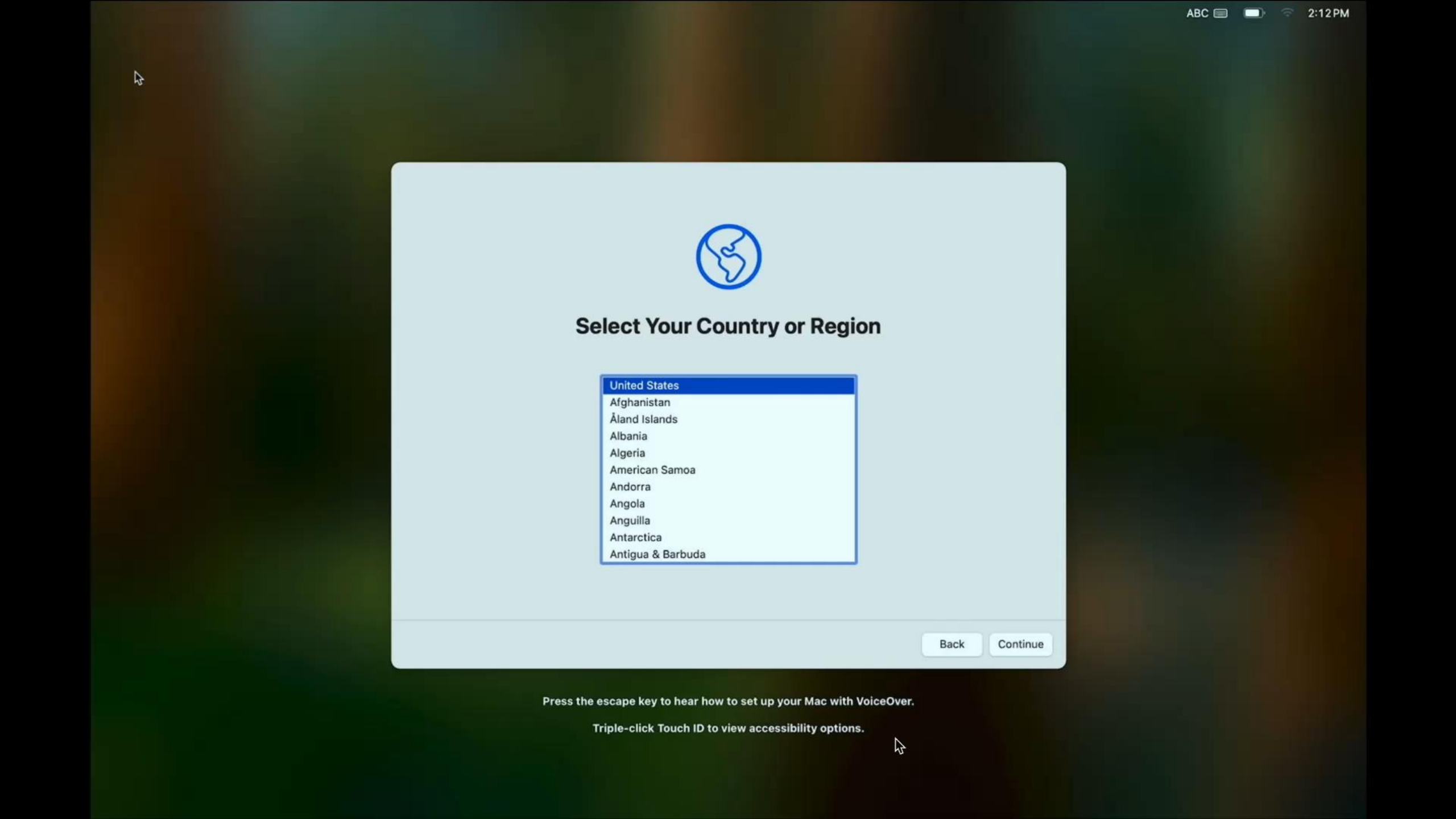


Show me the recovery keys

- **End User:** Can retrieve personal recovery keys from Company Portal Website (portal.manage.microsoft.com), iOS/iPadOS Company Portal, Android Company Portal.

- **IT Admins:** Inside of Microsoft Intune and we can also rotate the keys.




ABC
2:12 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.

Application Deployments

Intune agent channel apps

macOS DMG app

An admin has to upload a DMG file from local when creating a new app policy in admin portal. The .app under the DMG file will be copied to the Application folder to install on the device.

Recommended usage scenario: You need to deploy a disk image that contains one or more applications in .app format to be installed to the Applications folder.

Note that all apps are unmanaged and won't be uninstalled when the MDM profile is removed.

Find more details in: Add a macOS DMG app to Microsoft Intune.

macOS PKG app

An admin has to upload a PKG file from local when creating a new app policy in the admin center. Complex PKGs are also supported by this deployment type.

Complex PKG: A complex PKG refers to a type of package file used primarily in macOS environments that includes more intricate configurations and requirements compared to standard PKG files. These packages often contain multiple components, scripts, and dependencies that need to be managed during the installation process.

Recommended usage scenario:

1. You need to deploy a PKG with advanced controls for pre-install or post-install scripts.
2. You need to deploy a PKG containing only scripts and no app payload.
3. You need to deploy a PKG that the macOS LOB app workflow cannot install.
4. You need to deploy a PKG that is not signed by an Apple Developer ID installer certificate.

Pre-install and post-install scripts are available for apps installed via Intune agent.

Note that all apps are unmanaged and won't be uninstalled when the MDM profile is removed.

Find more details in: Add an unmanaged macOS PKG app to Microsoft Intune.

Platform SSO

FRAMEWORK BUILT BY APPLE

CONNECTS YOUR MAC TO YOUR IDP

AVAILABLE ON MACOS 13+

What do we need?

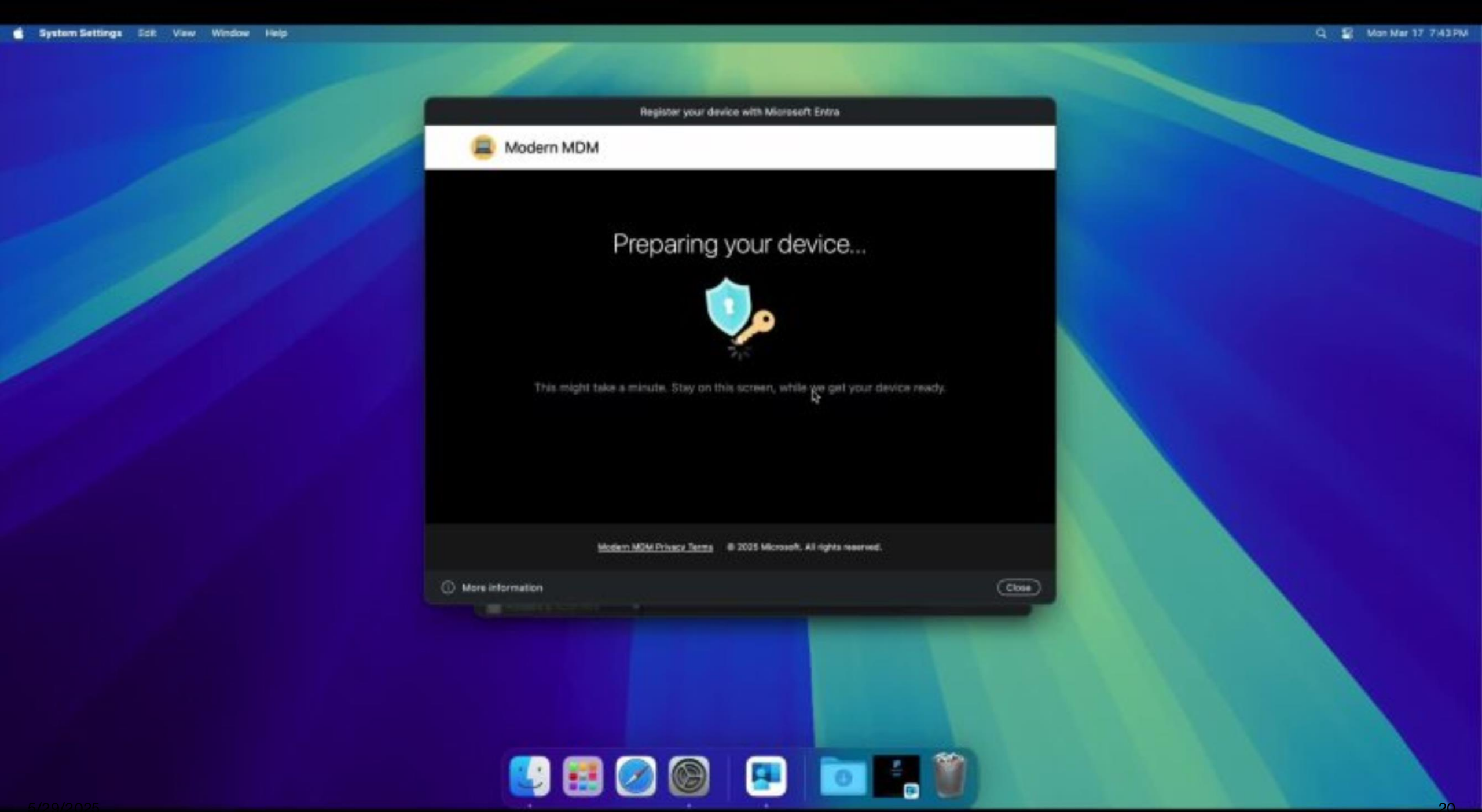
Requirements

To deploy Platform SSO for macOS, you need the meet following minimum requirements.

- A recommended minimum version of macOS 14 Sonoma. While macOS 13 Ventura is supported, we strongly recommend using macOS 14 Sonoma for the best experience.
- Microsoft Authenticator
- Microsoft Intune Company Portal app version 5.2404.0 or later installed. This version is required before users are targeted for PSSO.

Expand table

Feature	Secure Enclave	Smart Card	Password
Passwordless (phishing resistant)	✅	✅	❌
TouchID supported for unlock	✅	✅	✅
Can be used as passkey	✅	❌	❌
MFA mandatory for setup Multifactor authentication (MFA) is always recommended	✅	✅	❌
Local Mac password synced with Entra ID	❌	❌	✅
Supported on macOS 13.x +	✅	❌	✅
Supported on macOS 14.x +	✅	✅	✅
Optionally, allow new users to log in with Entra ID credentials (macOS 14.x +)	✅	✅	✅


System Settings
Edit
View
Window
Help
Mon Mar 17 7:43 PM
Register your device with Microsoft Entra
Modern MDM
Preparing your device...
This might take a minute. Stay on this screen, while we get your device ready.
Modern MDM Privacy Terms
© 2025 Microsoft. All rights reserved.
More information
Close

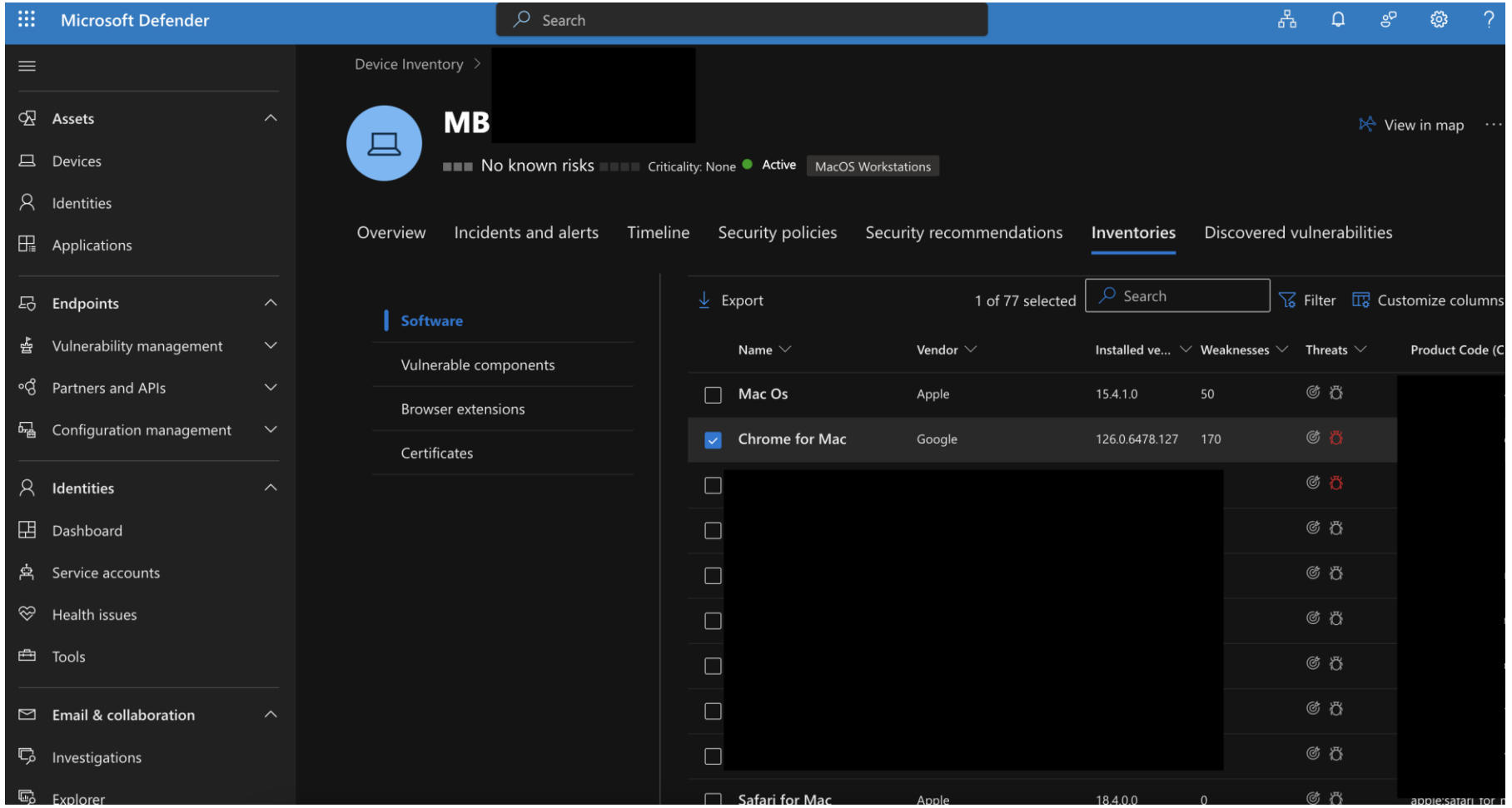
Microsoft Defender for Endpoint (macOS)

- **What is Microsoft Defender for Endpoint?**

Microsoft Defender for Endpoint is an enterprise endpoint security platform designed to help enterprise networks prevent, detect, investigate, and respond to advanced threats.

It’s available for macOS devices and you can deploy with Microsoft Intune

Microsoft Defender Portal



Is it setup by default? No

- https://youtu.be/M2mSCTrYgCY?si=pUpJJ3rpXU-be24u

What is Declarative Device Management?

Declarative device management is an update to the existing protocol for device management that can be used in combination with the existing MDM protocol capabilities. It allows the device to asynchronously apply settings and report status back to the MDM solution without constant polling. This is ideal for performance and scalability.

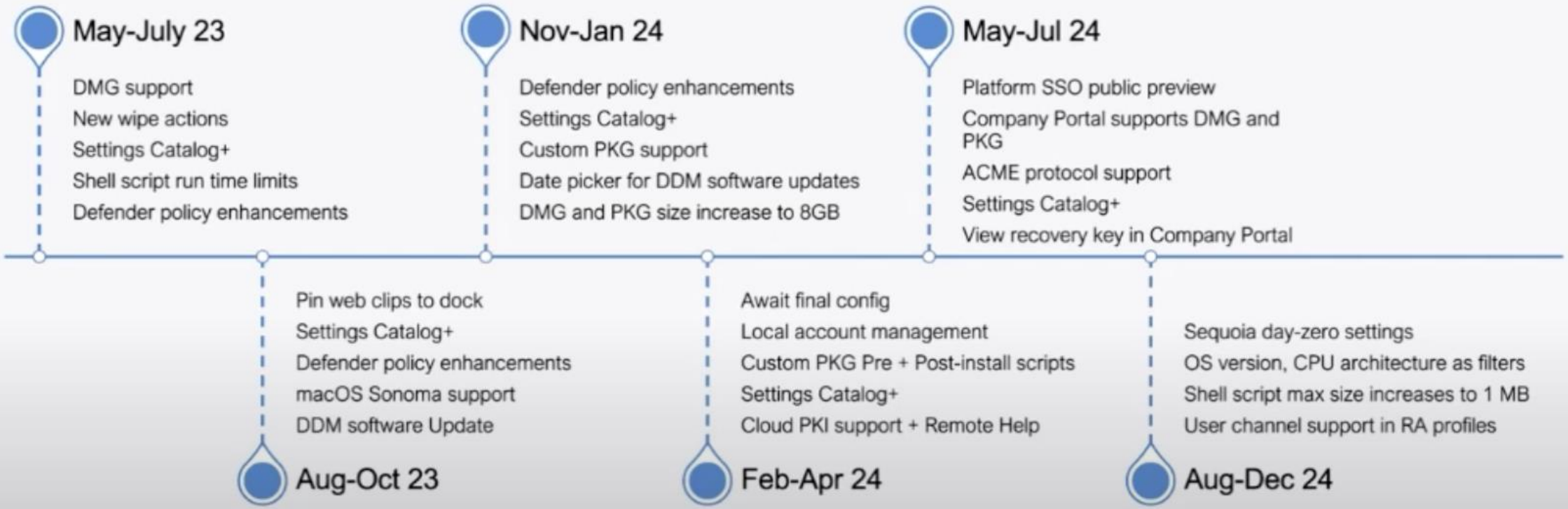
- Available on macOS 14.0 and later

Currently Available inside of Intune

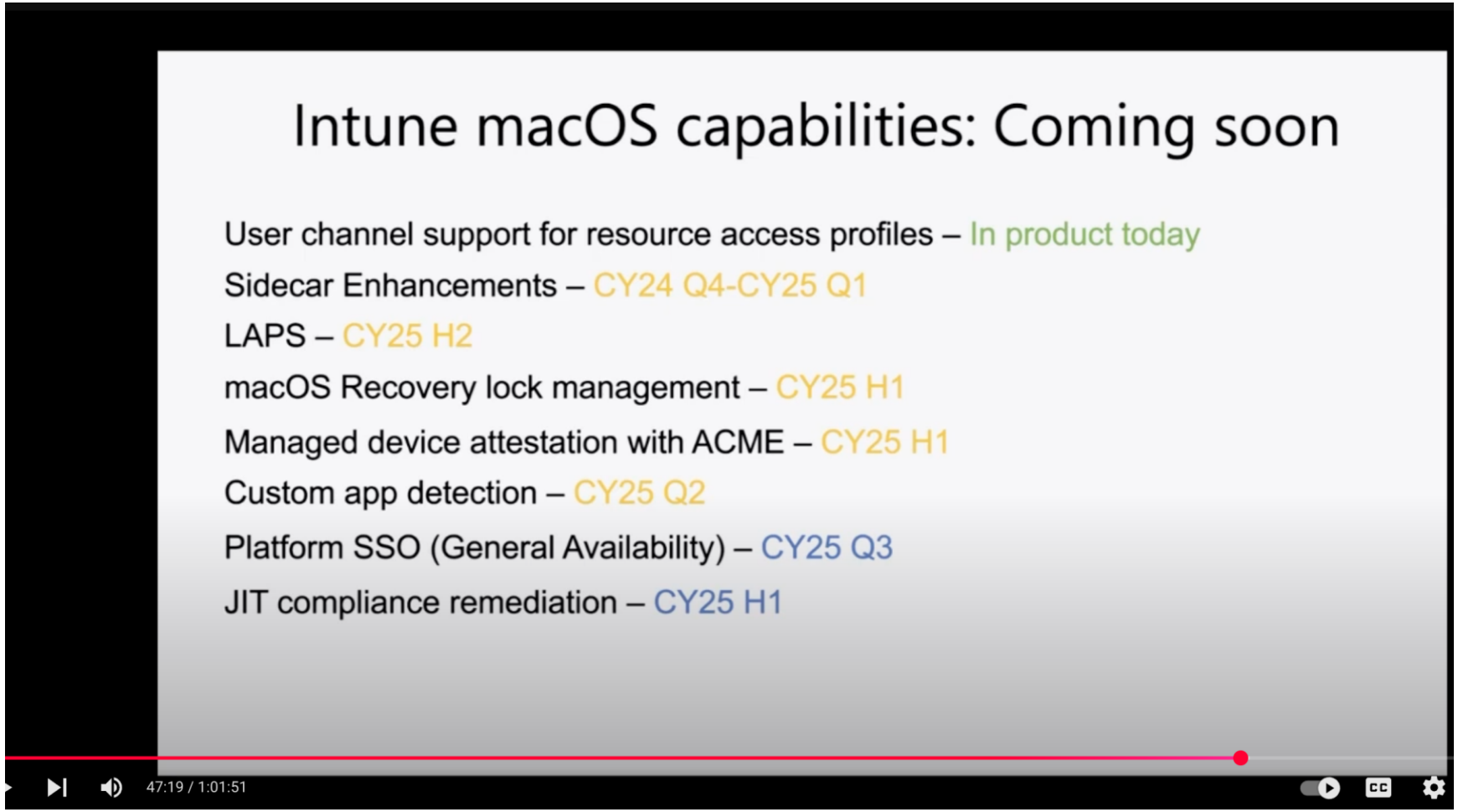
- Declarative Device Management (DDM)
  - Disk Management
  - Math Settings
  - Passcode
  - Safari Extension Settings
  - Software Update
  - Software Update Enforce Latest
  - Software Update Settings

Configure DDM & Demo

Intune macOS capabilities: Recent updates



Coming soon....


Intune macOS capabilities: Coming soon
User channel support for resource access profiles – In product today
Sidecar Enhancements – CY24 Q4-CY25 Q1
LAPS – CY25 H2
macOS Recovery lock management – CY25 H1
Managed device attestation with ACME – CY25 H1
Custom app detection – CY25 Q2
Platform SSO (General Availability) – CY25 Q3
JIT compliance remediation – CY25 H1
47:19 / 1:01:51

Thanks Again NWSCUG!

- Questions or stay in touch at
- **Bluesky:** fabianrodriguez.bksy.social
- **Linkedin:** Fabian Rodriguez
- **Blog:** fabianrodriguez.blog
- **Podcast**: Diary Of A SysAdmin