a jamf Microsoft Device Compliance and Jamf Pro



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Identity and Access Mgmt

PRESENTING TO

University of Utah - MacAdmins March 2024

Agenda

1 | Conditional Access Recap

Why do I need this thing and how does Conditional Access affect my life as an Apple Administrator?

2 | Deployment

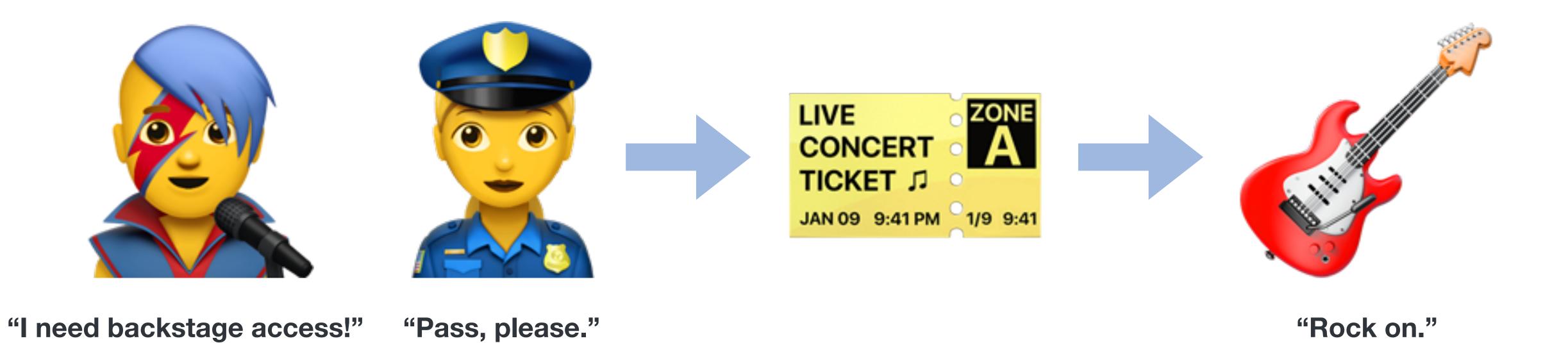
Buttons you press in Jamf Pro, Microsoft Intune, and Microsoft Entra ID to make things happen

3 | Common Ooopsies

Deployment issues, what's the plan for on-premises customers, and Q&A





























Microsoft Entra ID

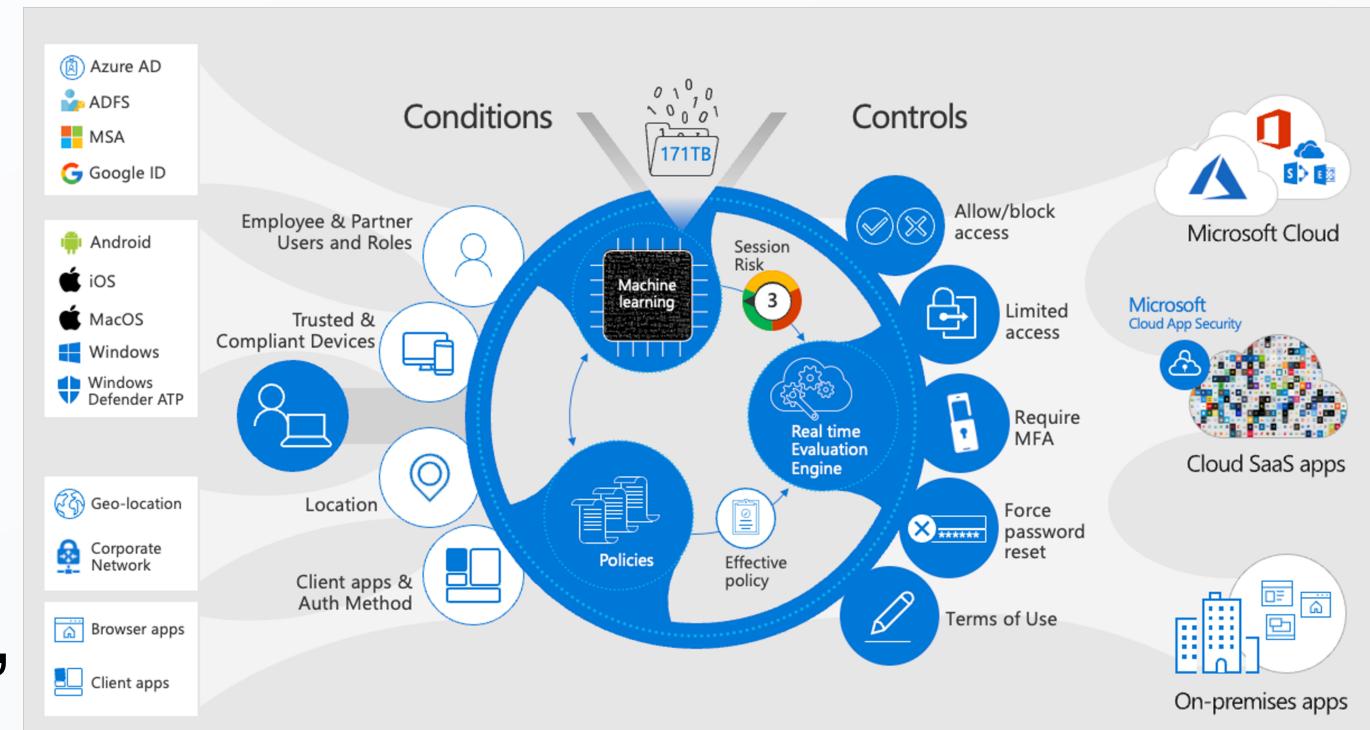
- •Formerly known as Azure Active Directory
- Part of Microsoft Entra
- Full blown IDaaS
- Rich set of features
 - ·SSO, Provisioning
 - ·Governance, Passwordless
 - Conditional Access





Microsoft Entra Conditional Access

- Zero-trust engine
- CA understands user's activity
 - User Location
 - User Risk
 - App Requirements
 - State of Device (Critical!)
- Applies to "Cloud Apps"
- Goal: CA policy in scope for every request





What are cloud apps?

Cloud Apps ARE



Web sites

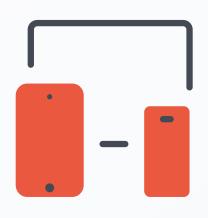
OpenID Connect / OAuth 2.0 confidential clients SAML



Web services

APIs

Cloud Apps ARE NOT



Mobile or desktop apps

OpenID Connect / OAuth 2.0 native clients

Conditional Access is applied to the RESOURCE Ex: You apply it to Exchange Online, NOT Outlook



Conditional Access Policy Evaluation

- All CA policies are ANDed together
- Is Policy in scope of the request
- Block controls satisfied first
- Grant controls applied in order
 - Risk
 - MFA
 - Device
 - Approved client app/app protection
- Tries to satisfy policy without user interaction
 - Example: Control MFA or device compliant. If device is NOT compliant, will THEN prompt for MFA

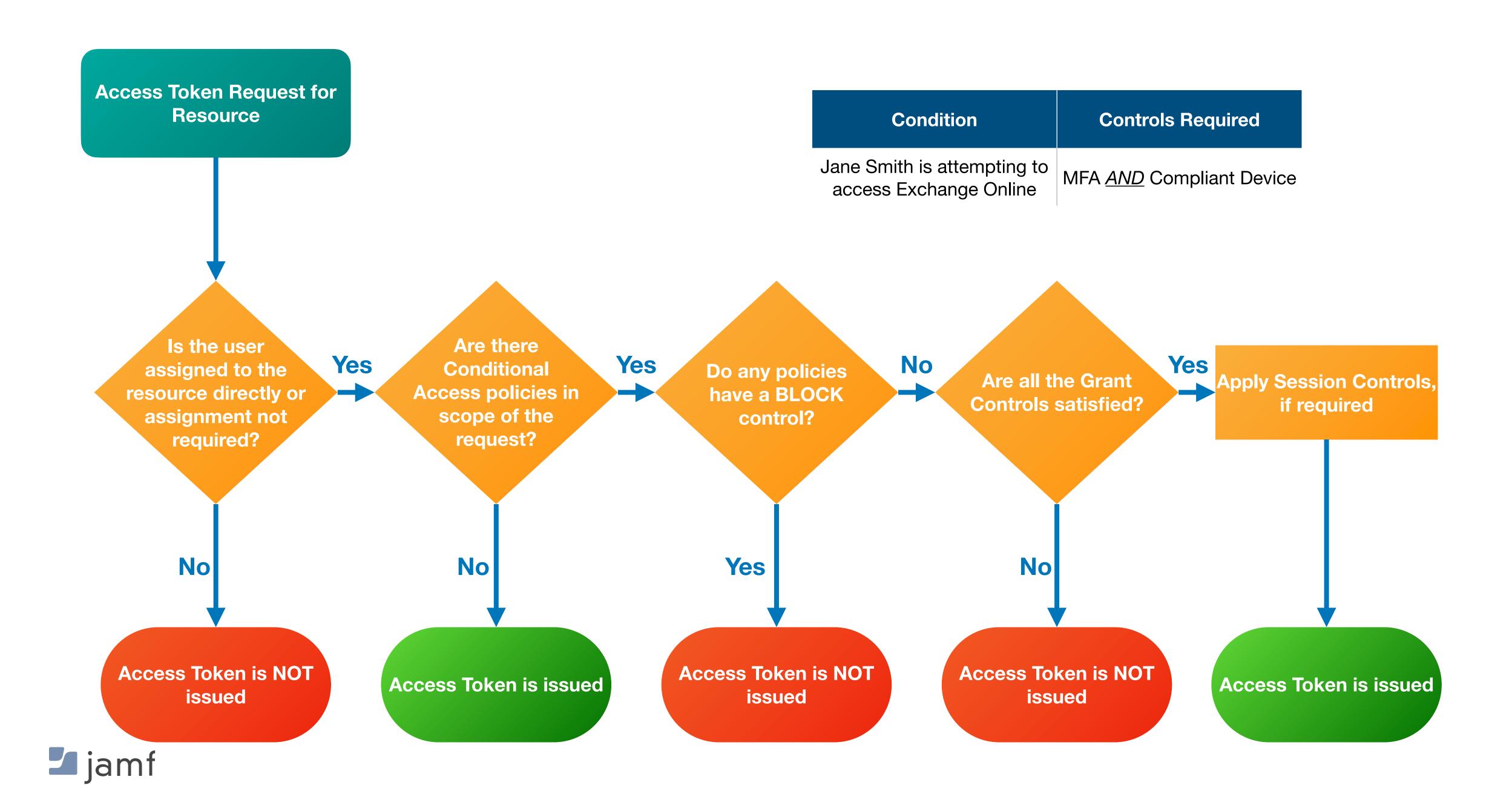
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"userDisplayName": "Michael Epping",
"appDisplayName": "Azure Portal",
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"riskLevelAggregated": "none",
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"riskState": "none",
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```



Policy Number	When this happens	Then do this
1	An access attempt is made: - To Exchange Online - By Jane Smith	Grant access with: - MFA
	An access attempt is made: - To Exchange Online - By Jane Smith	Grant Access with: - Compliant Device

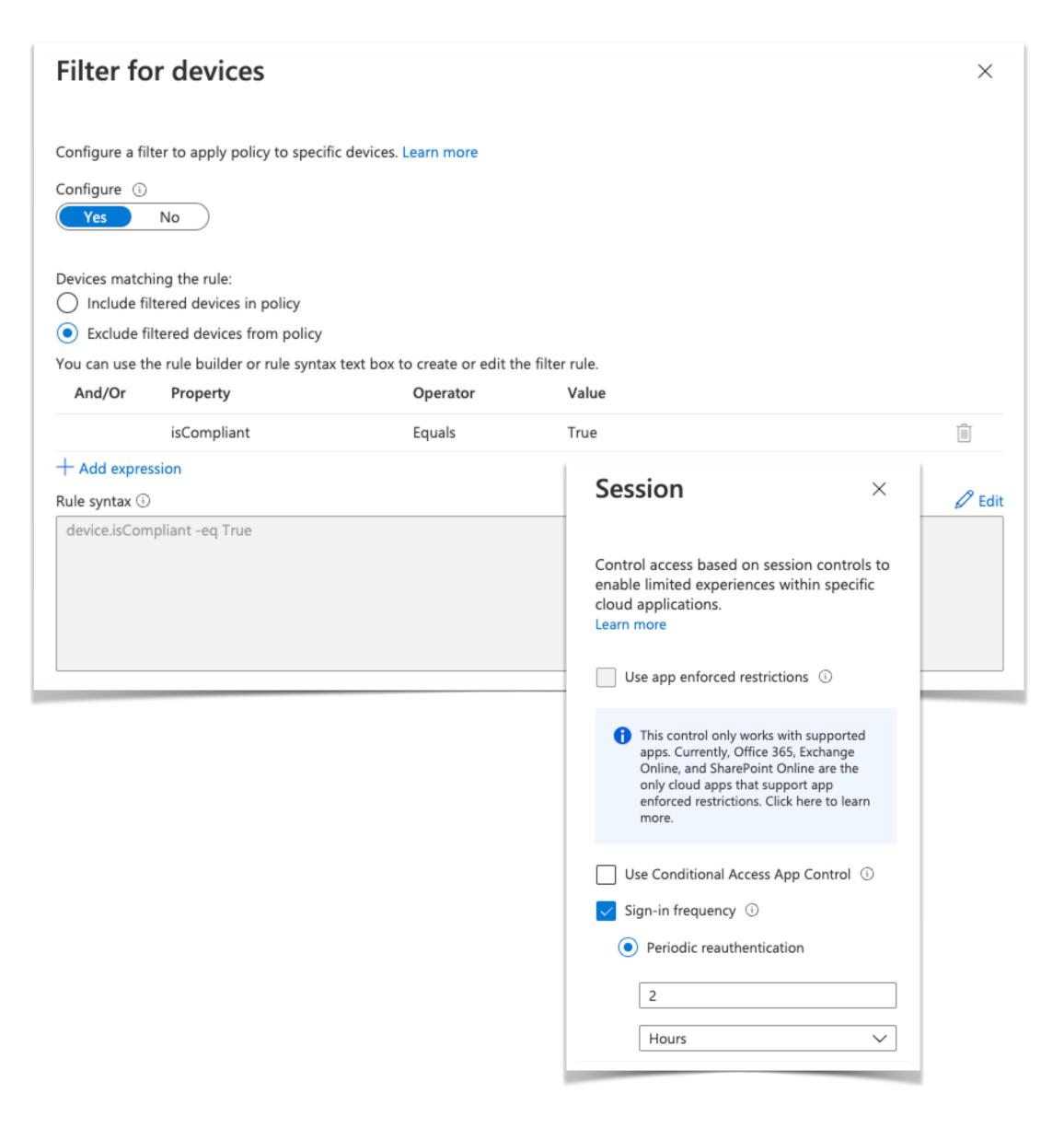
Condition	Controls Required
Jane Smith is attempting to access Exchange Online	MFA <u>AND</u> Compliant Device





Common Conditional Access Policies

- Requiring strong authentication (MFA, phishresistant credentials)
- Blocking legacy auth
- Blocking access by country location
- Require compliant or hybrid join device
- Stricter Controls for non-corp managed devices (is this macOS in your environment?)
 - Sign-In Frequency to 2 hours for everything not filtered out
- Applying polices to "All Apps"

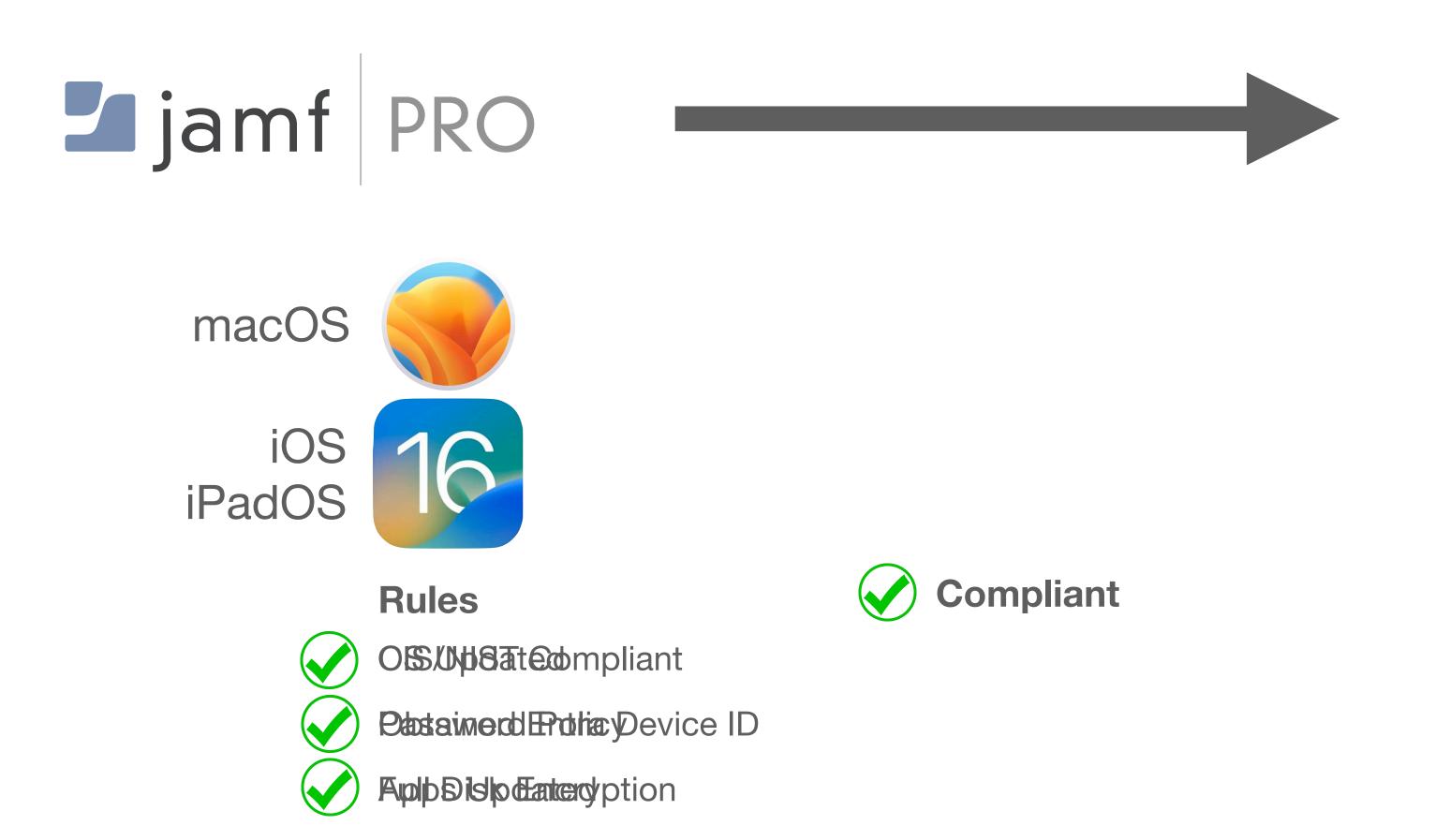




Jamf Pro, or why this is really important to Apple administrators



Device Compliance







Device Compliance

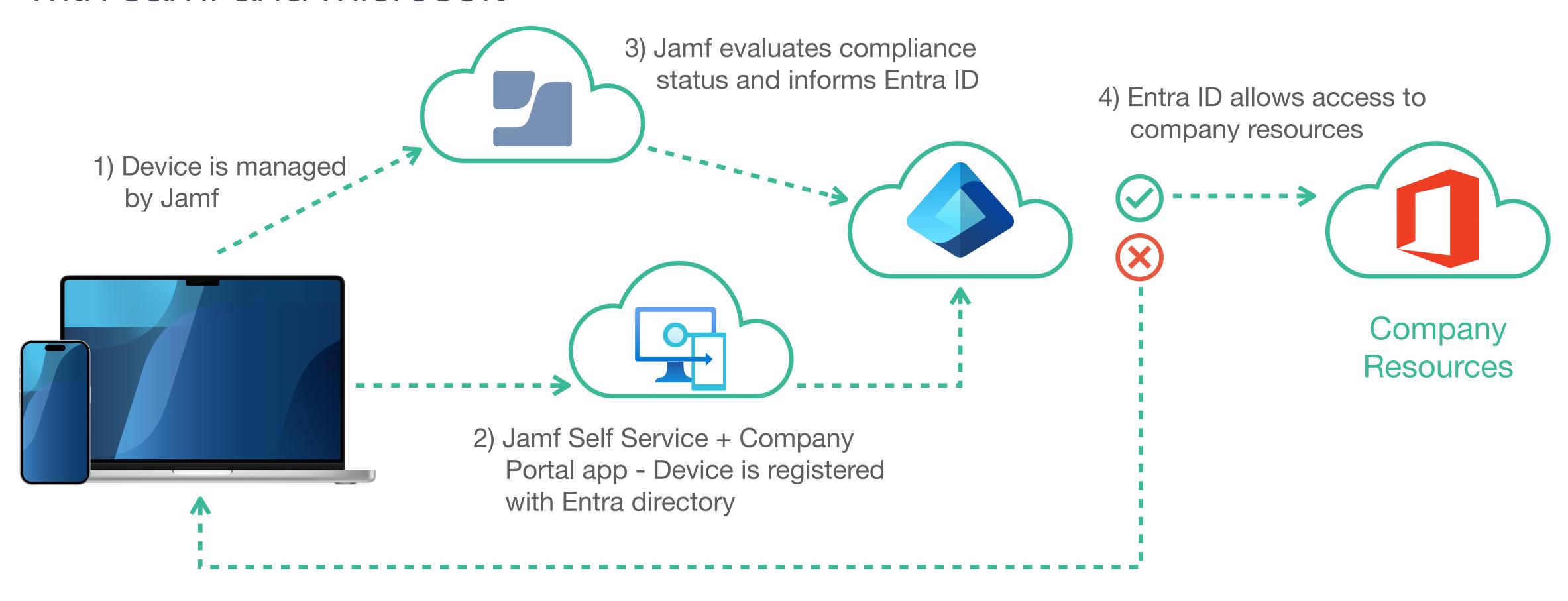






Device Compliance

with Jamf and Microsoft



5) Entra ID blocks access from noncompliant devices, Jamf provides a user-friendly remediation experience



Prerequisites:

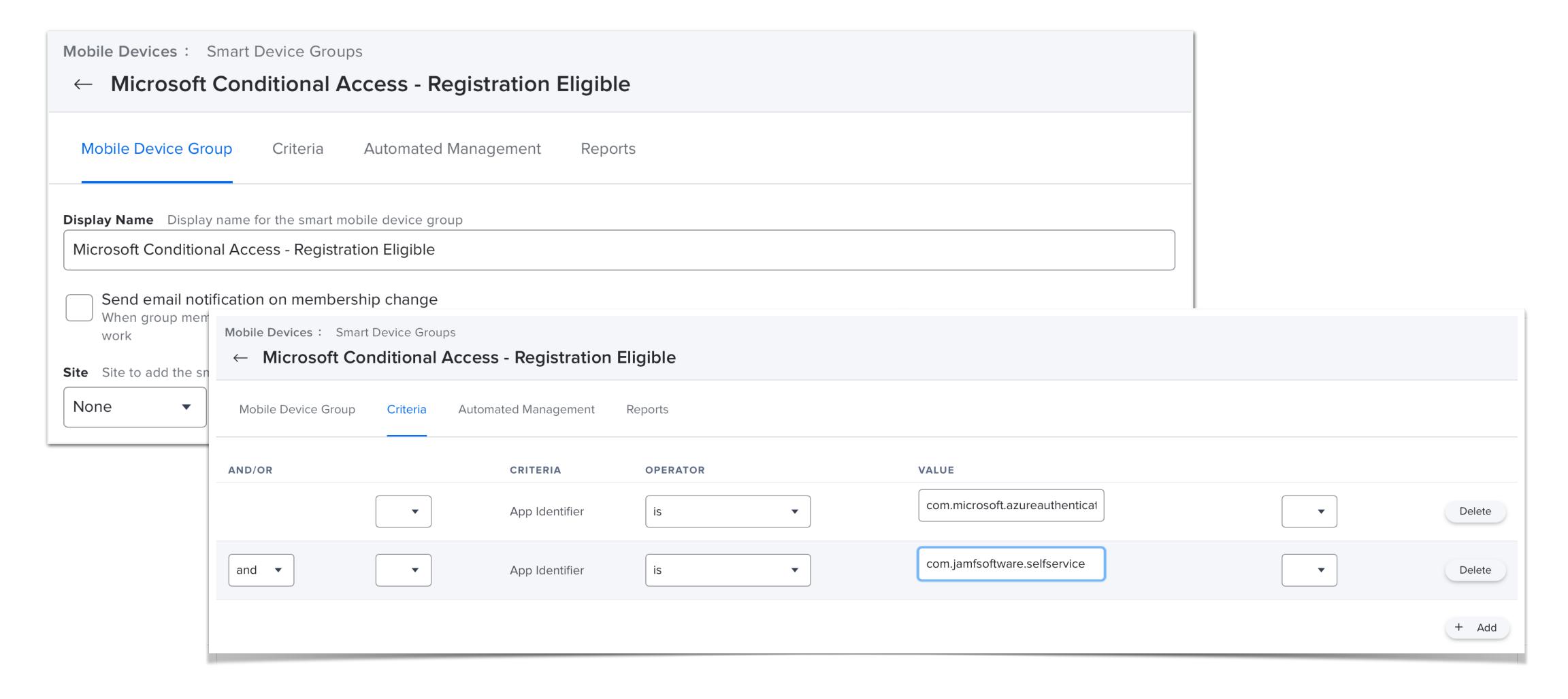
- Jamf Pro 10.43 or greater cloud hosted
- Microsoft Endpoint Manager / Intune administrator
- Microsoft Entra ID administrator
- VPP licenses for Microsoft Authenticator app
- Microsoft Company Portal app



<u>learn.jamf.com</u>
Search: Device Compliance

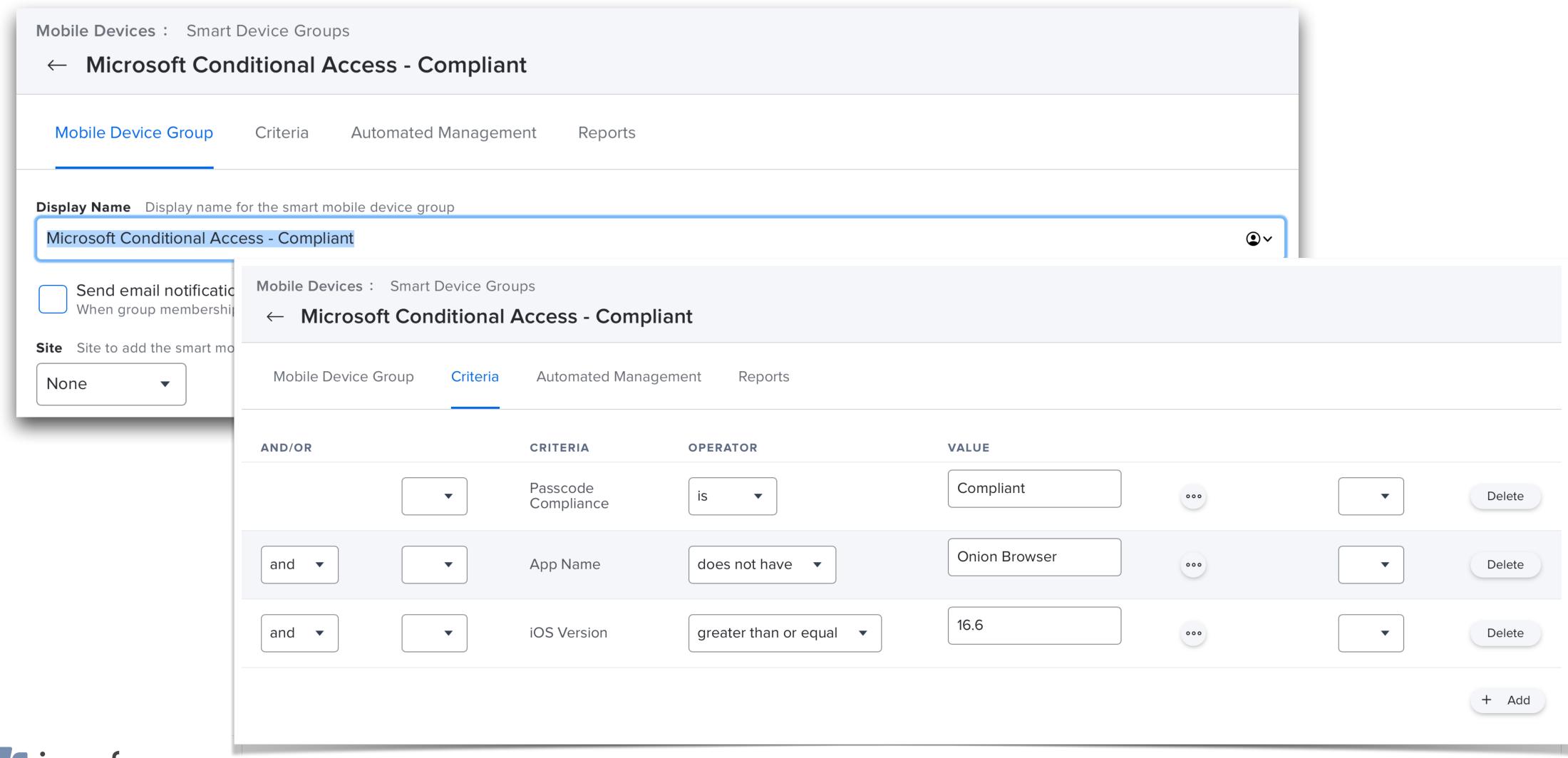


Jamf Pro Setup - Mobile and Wearable devices



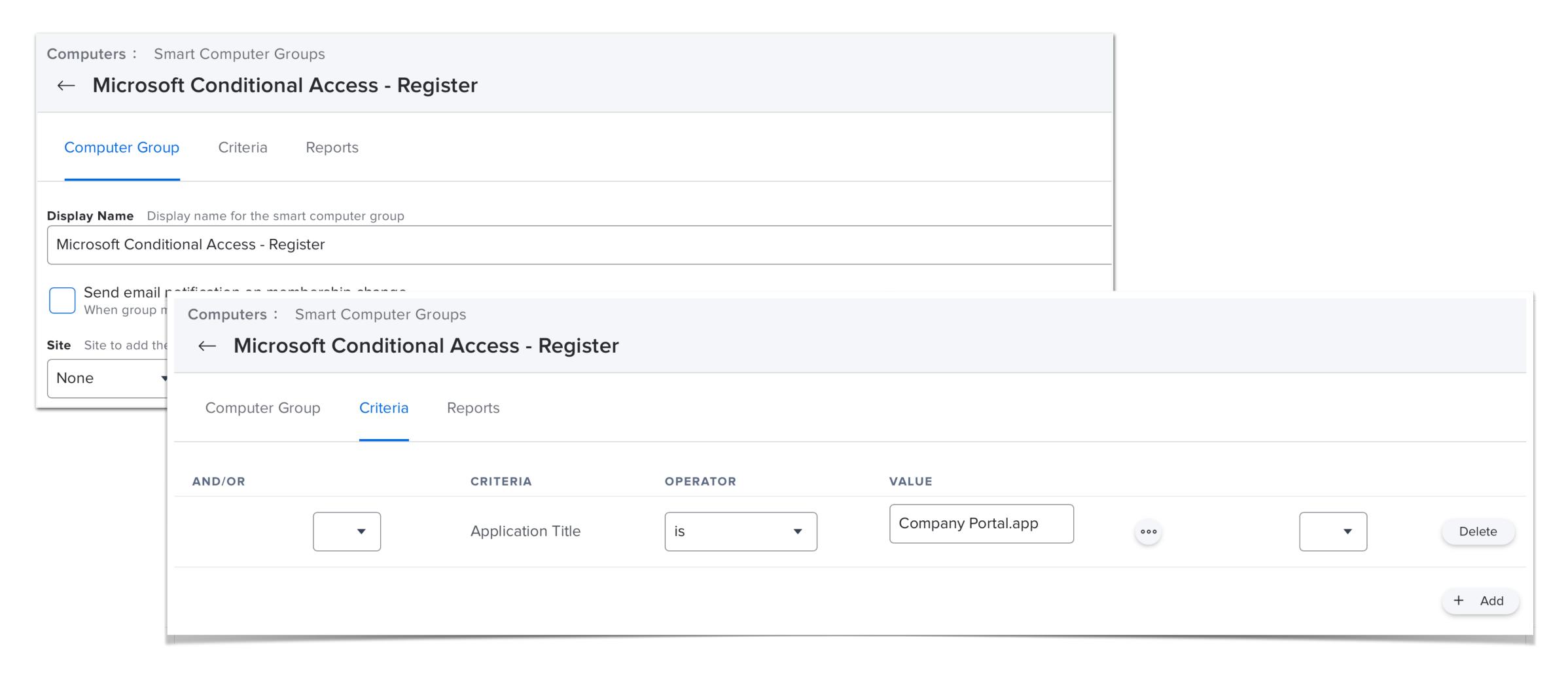


Jamf Pro Setup - Mobile and Wearable devices



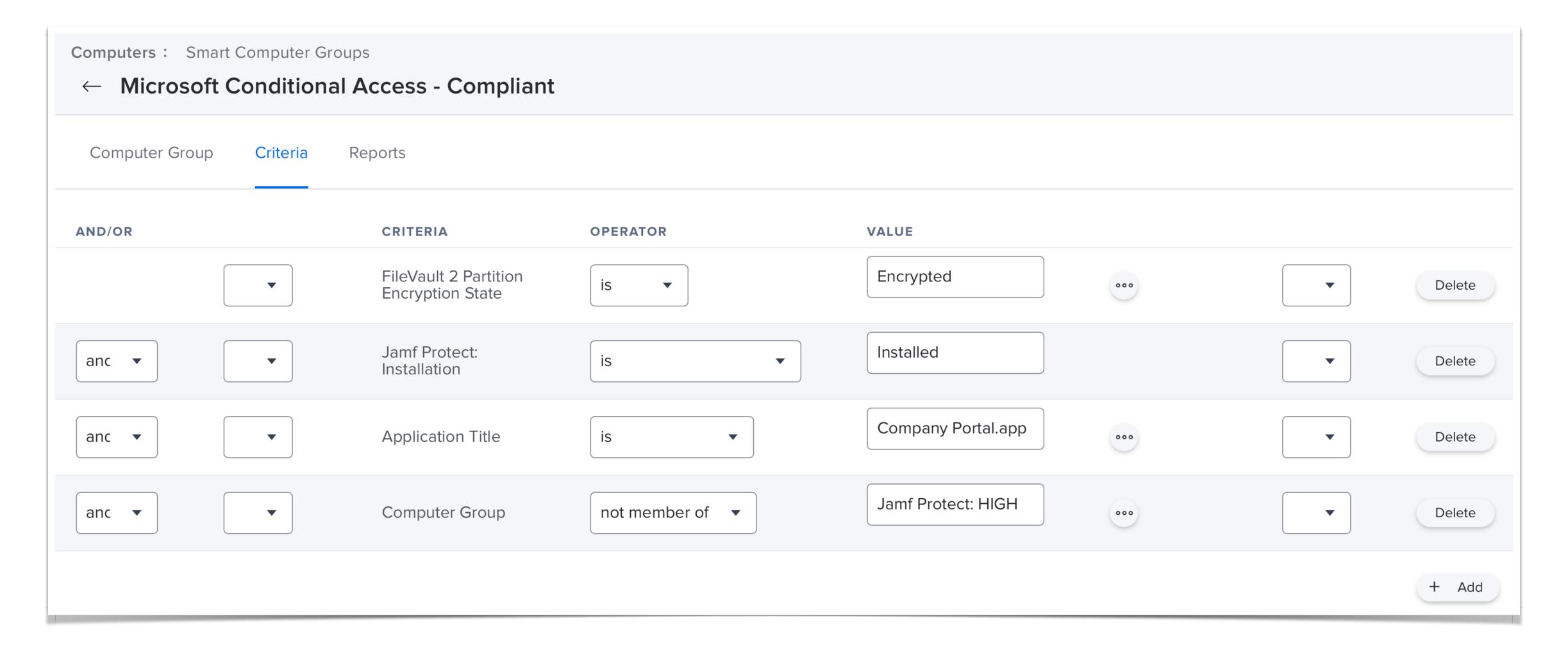


Jamf Pro Setup - macOS

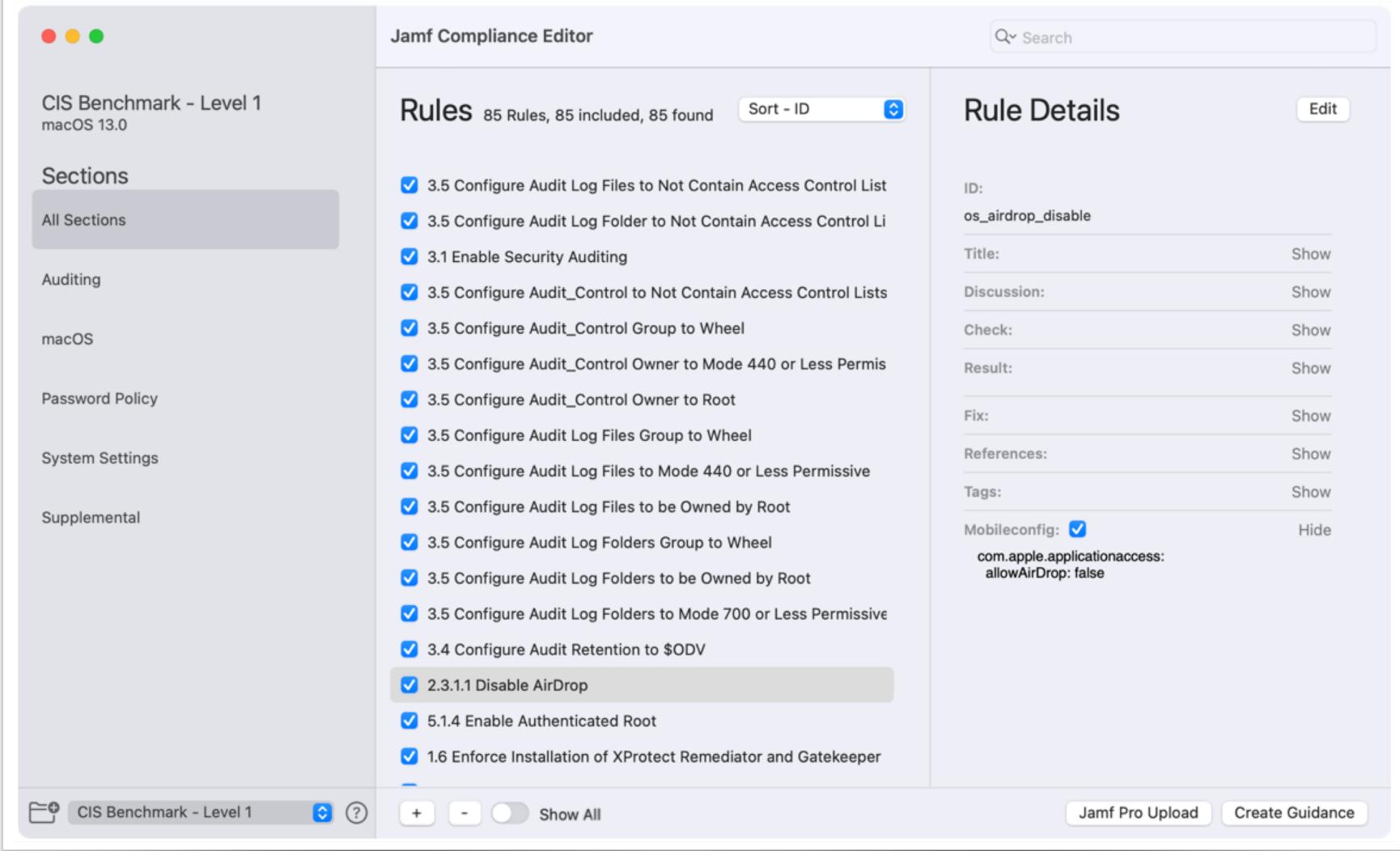




Jamf Pro Setup - macOS



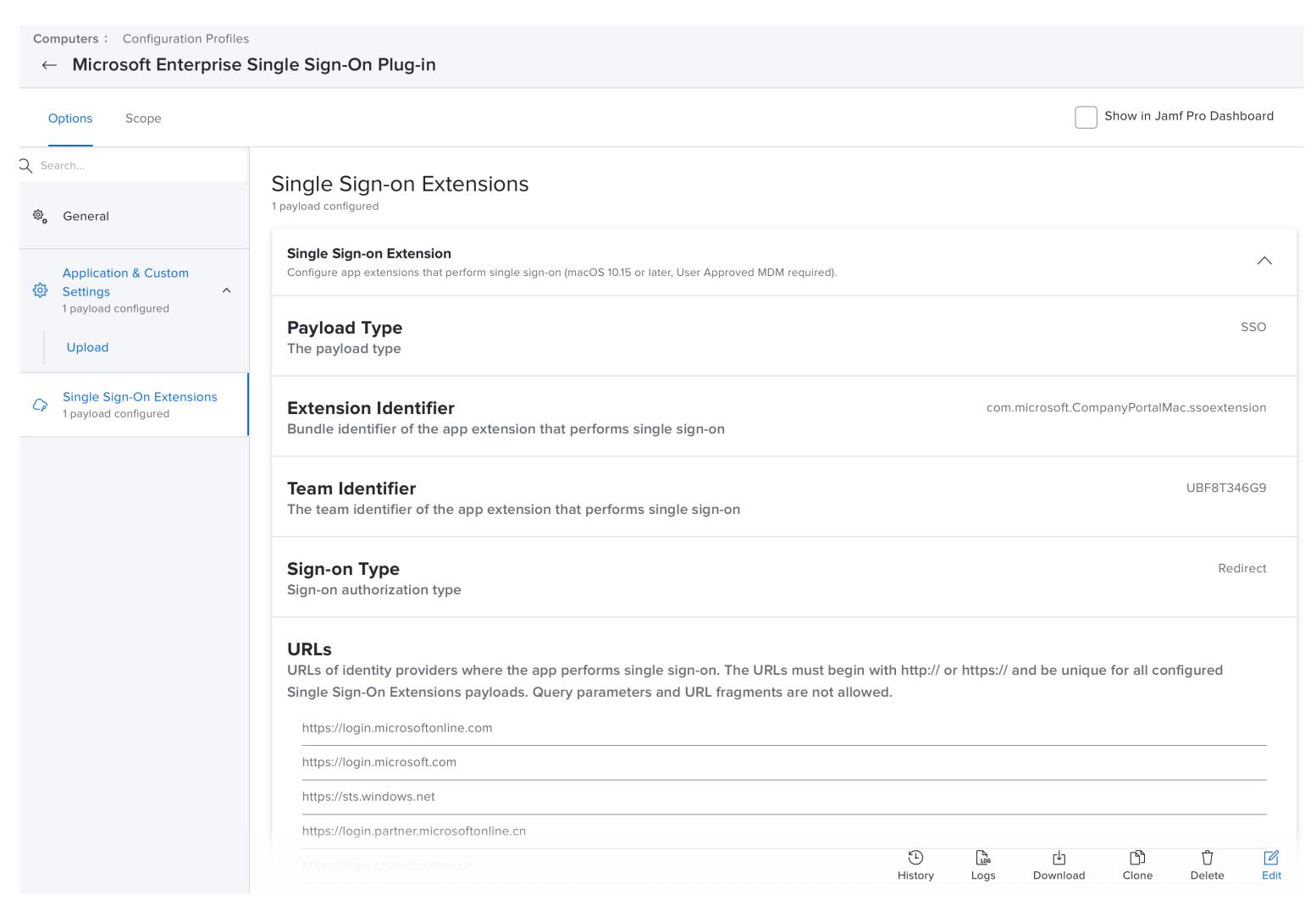






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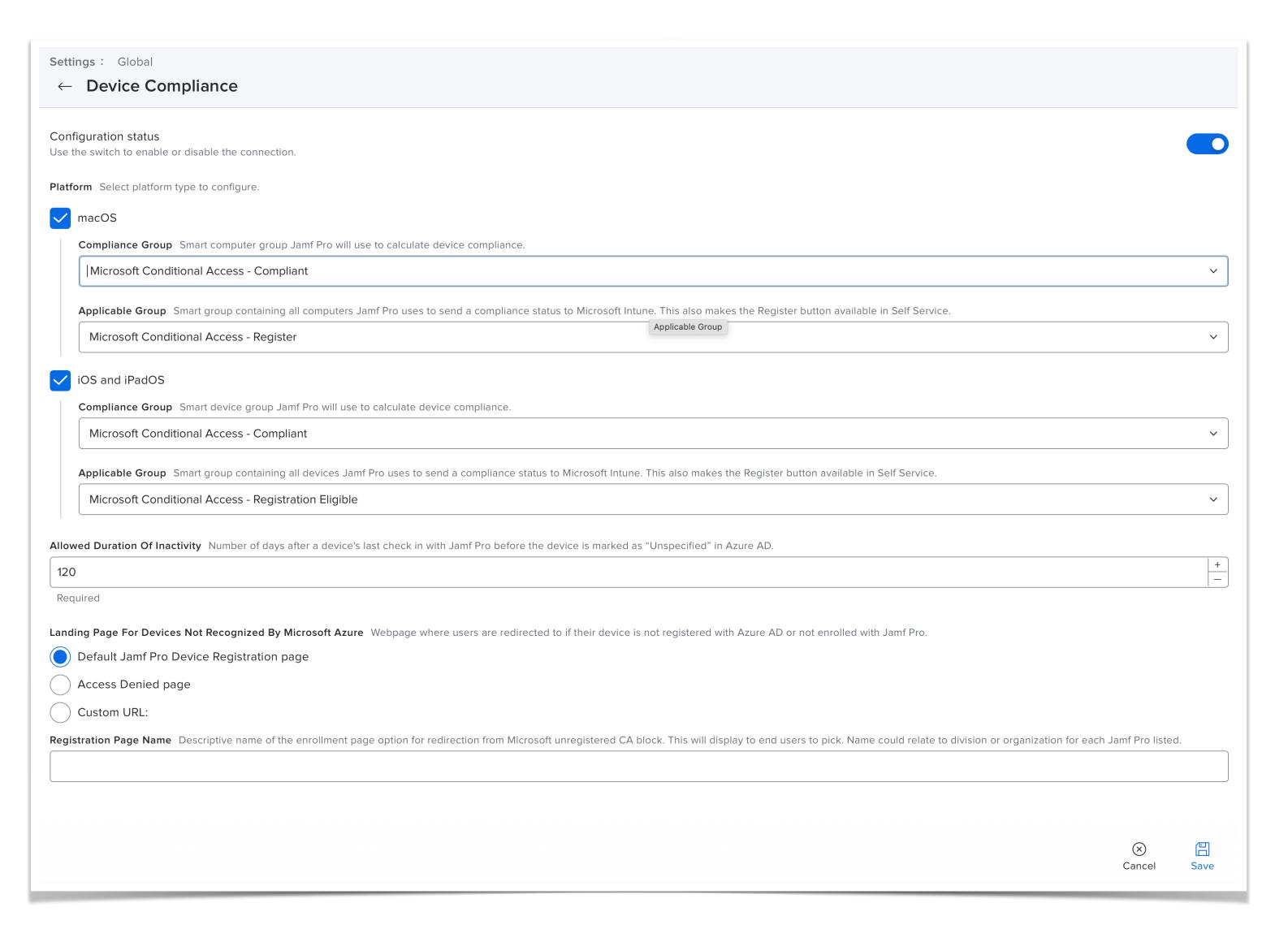
jamf.it/entraSSOe



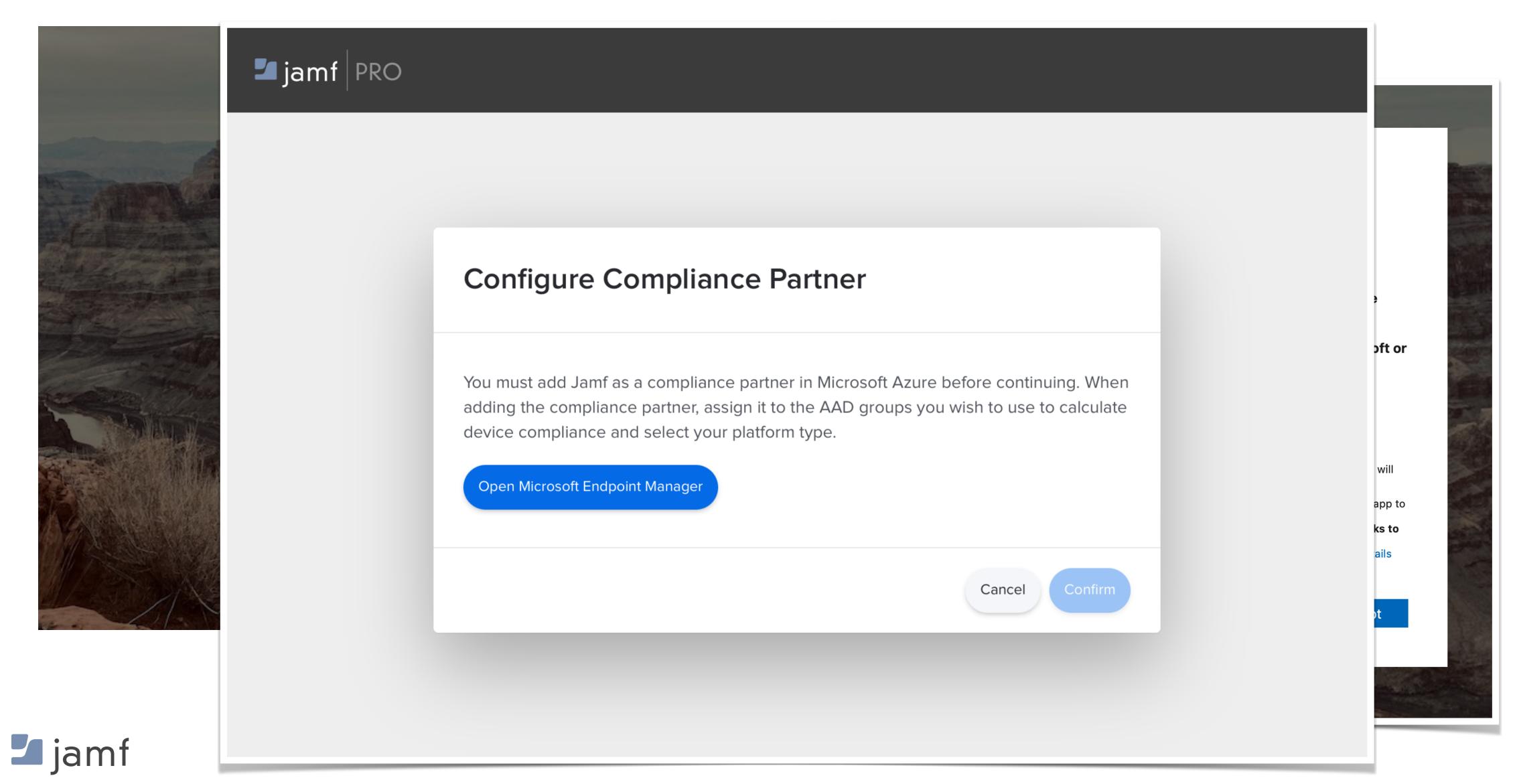
https://jamf.it/entrassoe-ios

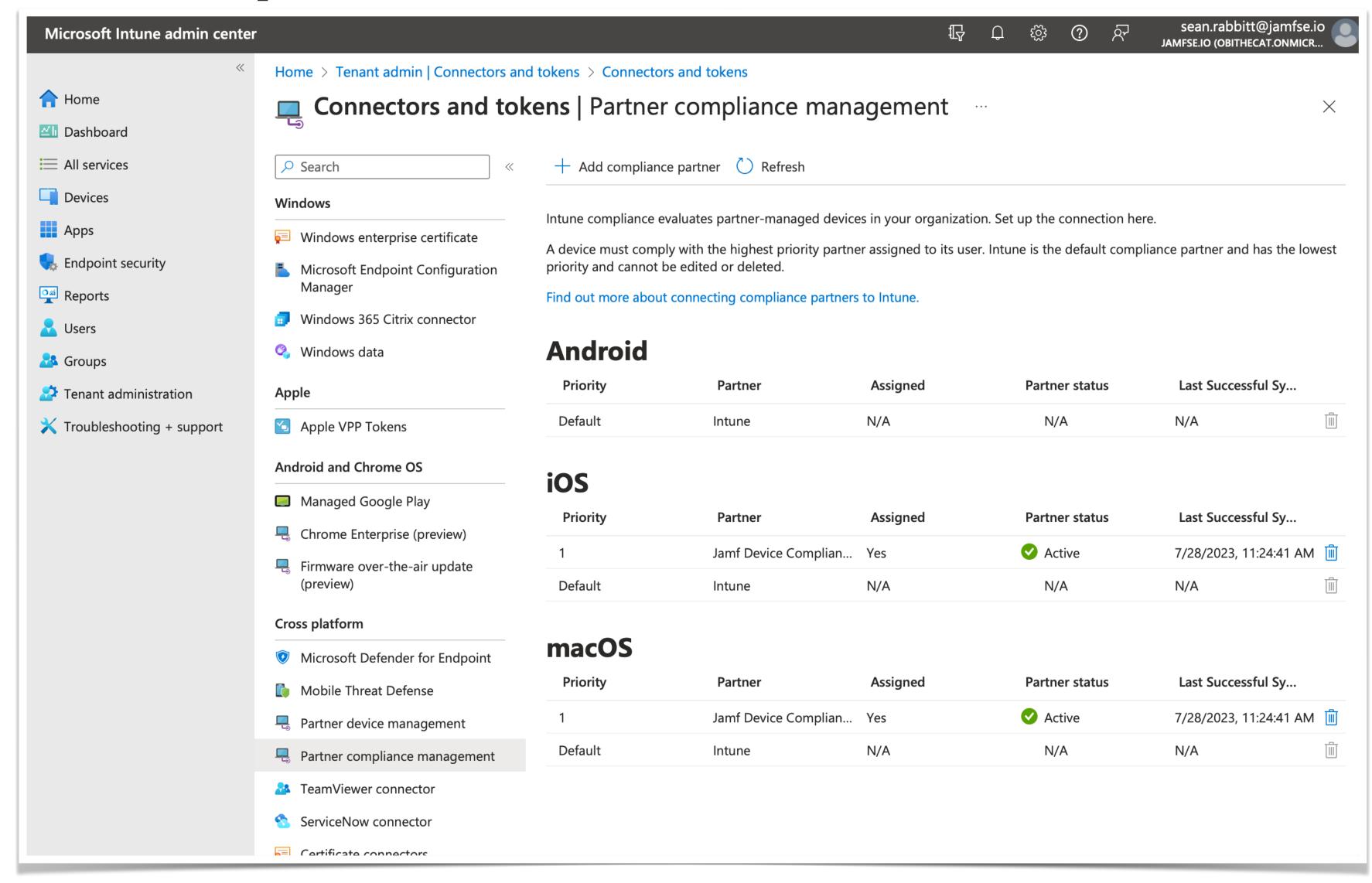


Jamf Pro Settings ->
Global ->
Device Compliance

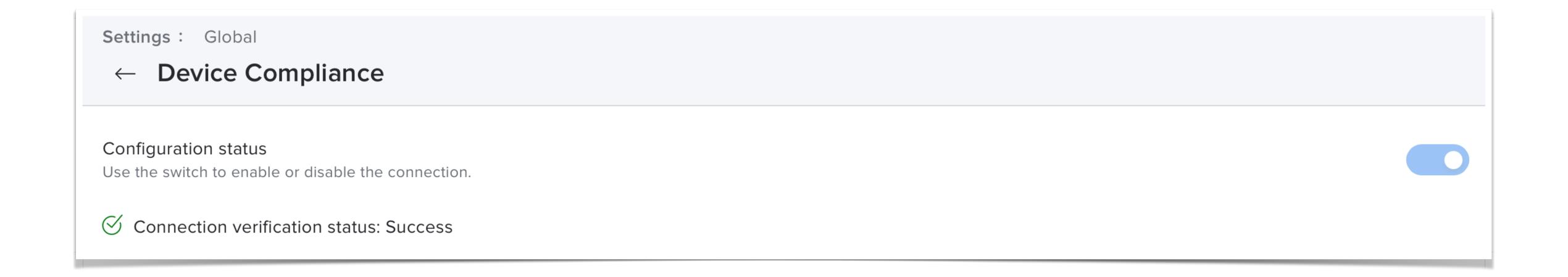








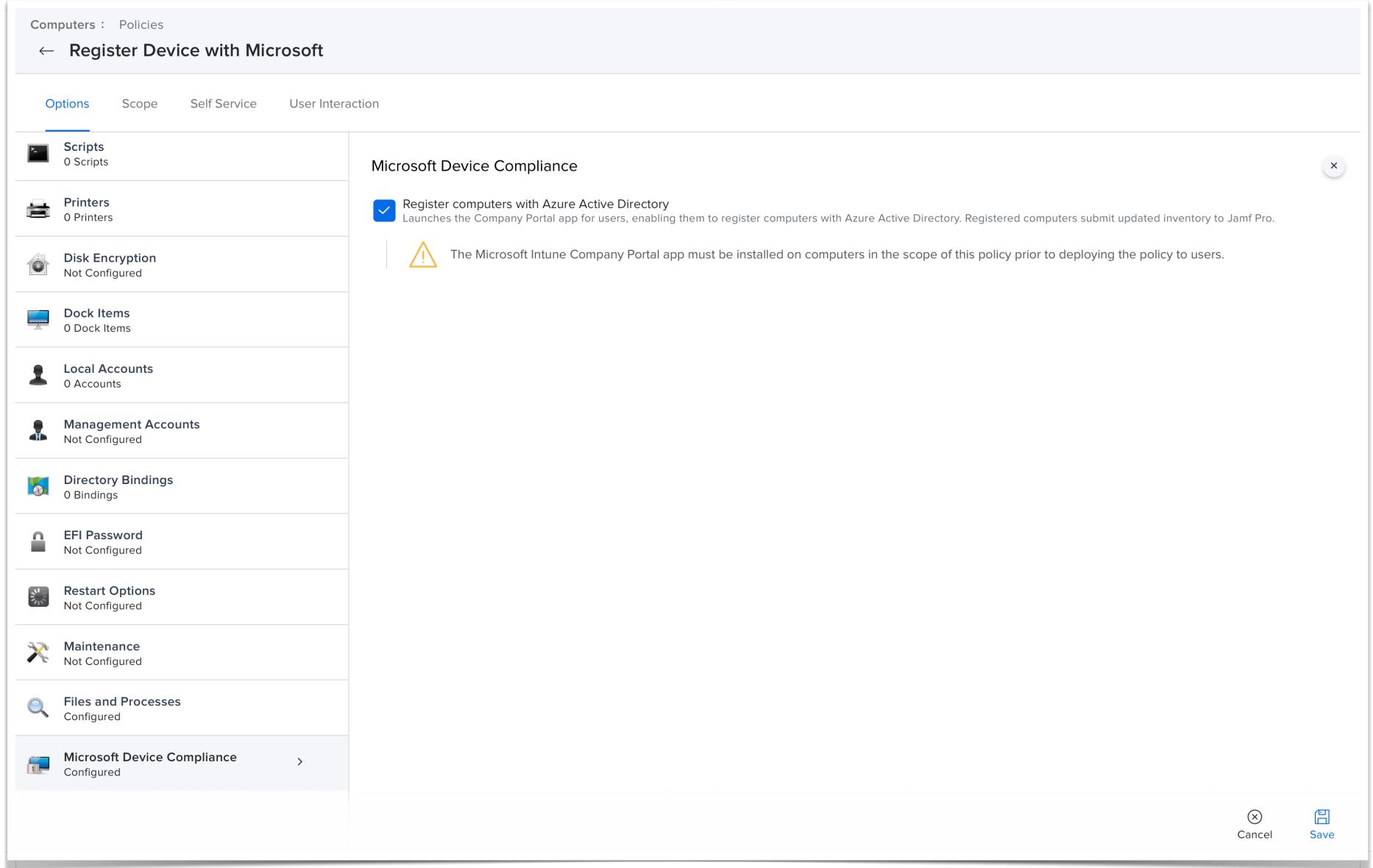




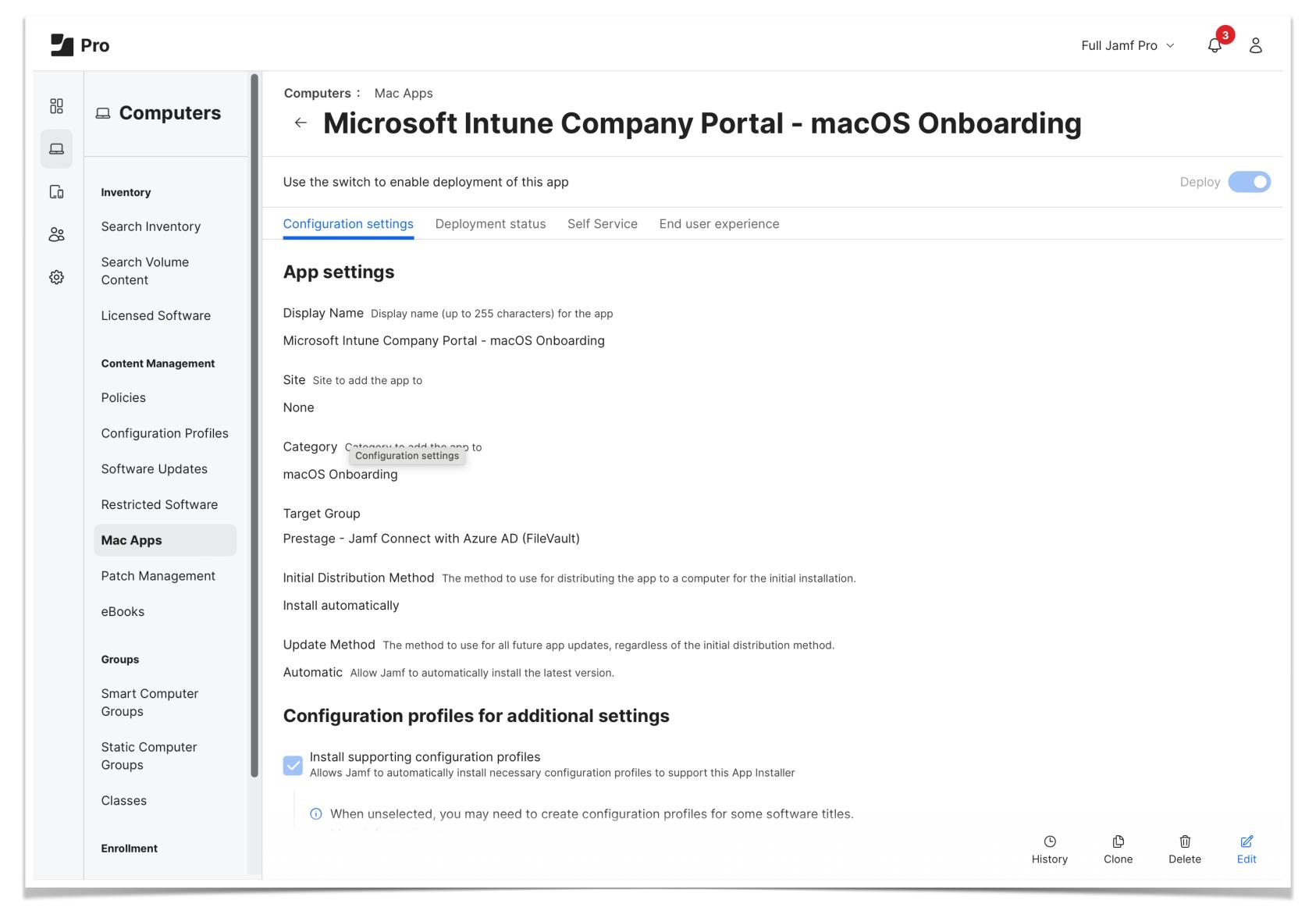


Jamf Pro Setup - macOS

jamf

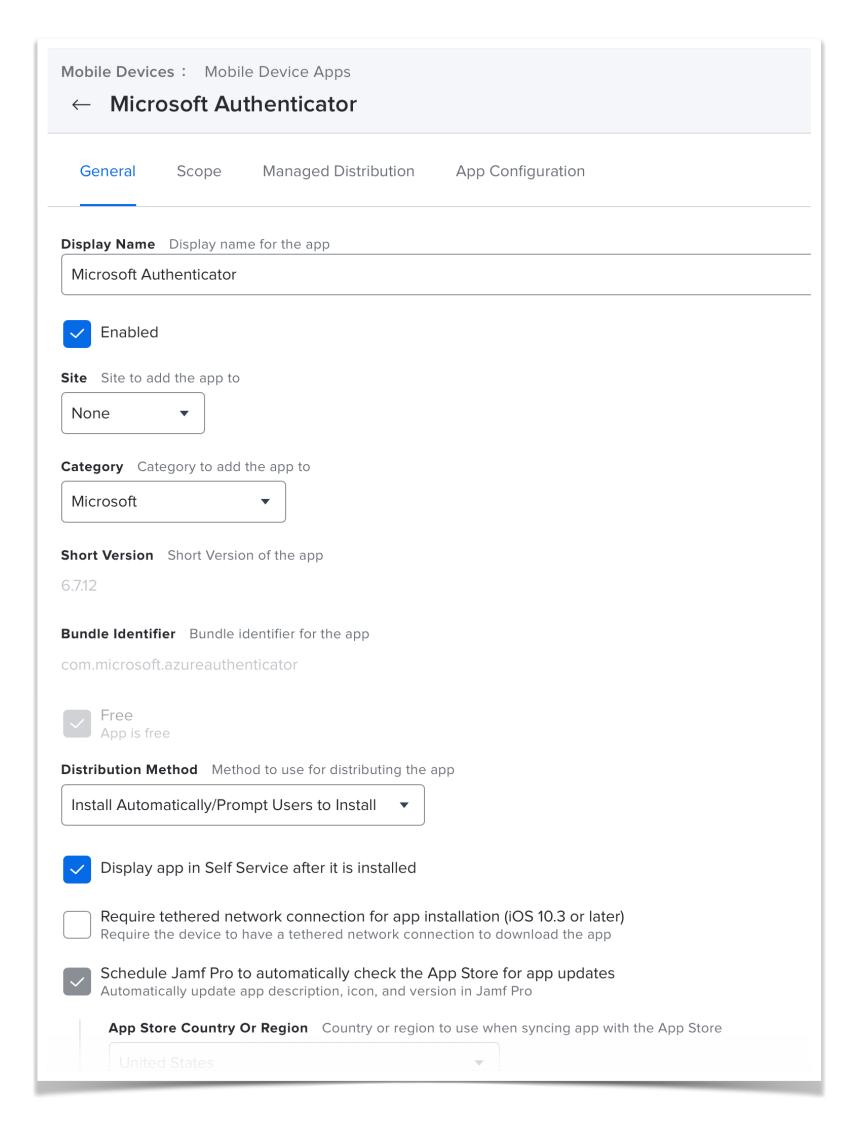


Jamf Pro Setup - macOS





Jamf Pro Setup - Mobile and Wearable devices





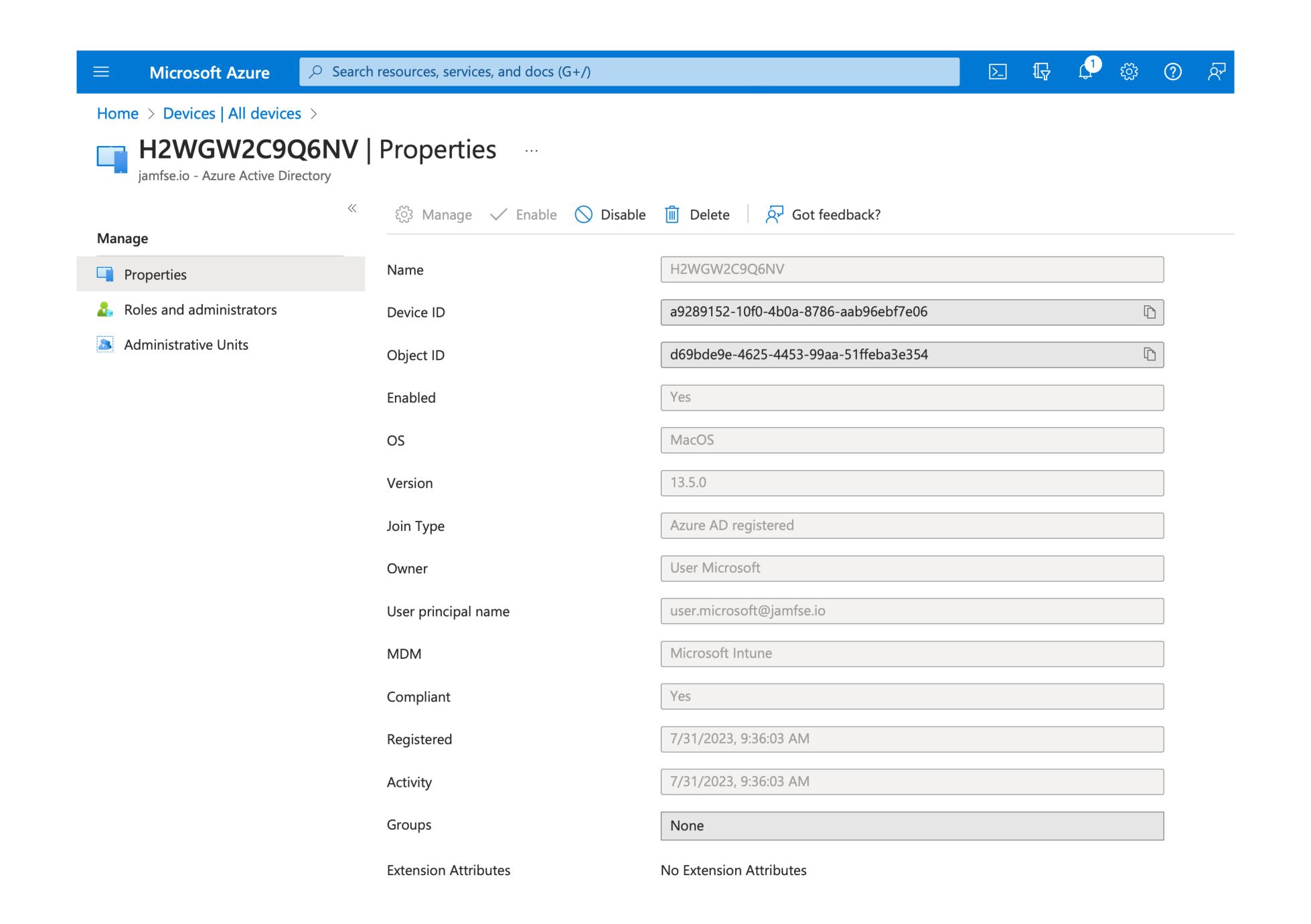


Self Service **Device Compliance** A...Z ≎ Q Search Browse V Bookmarks Register Device Firewall (Turn On) Featured with Microsoft Device Compliance Re-Register Enable Apple Microsoft Developer Tools Productivity Tools Certificates Compliance FileVault 2 Jamf Connect Maintenance OS Installers TeamViewer Reprovisioning Security TnC △ Log In

Finder File Edit View Go Window Help



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Common Ooopsies or why didn't this work, dang it!



Common Ooopsies

Using something other than Safari than the default browser Device Registration Failures
Frequent Authentication Prompts
Compliant Device Check Fail
Confusion around which policy did what
Jamf Connect and Conditional Access w/ MFA



Q&A
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