

● JAMF NATION LIVE

Zero-Touch, Zero-Hassle

Rethinking Secure Access
for Apple Fleets



Craig Donovan

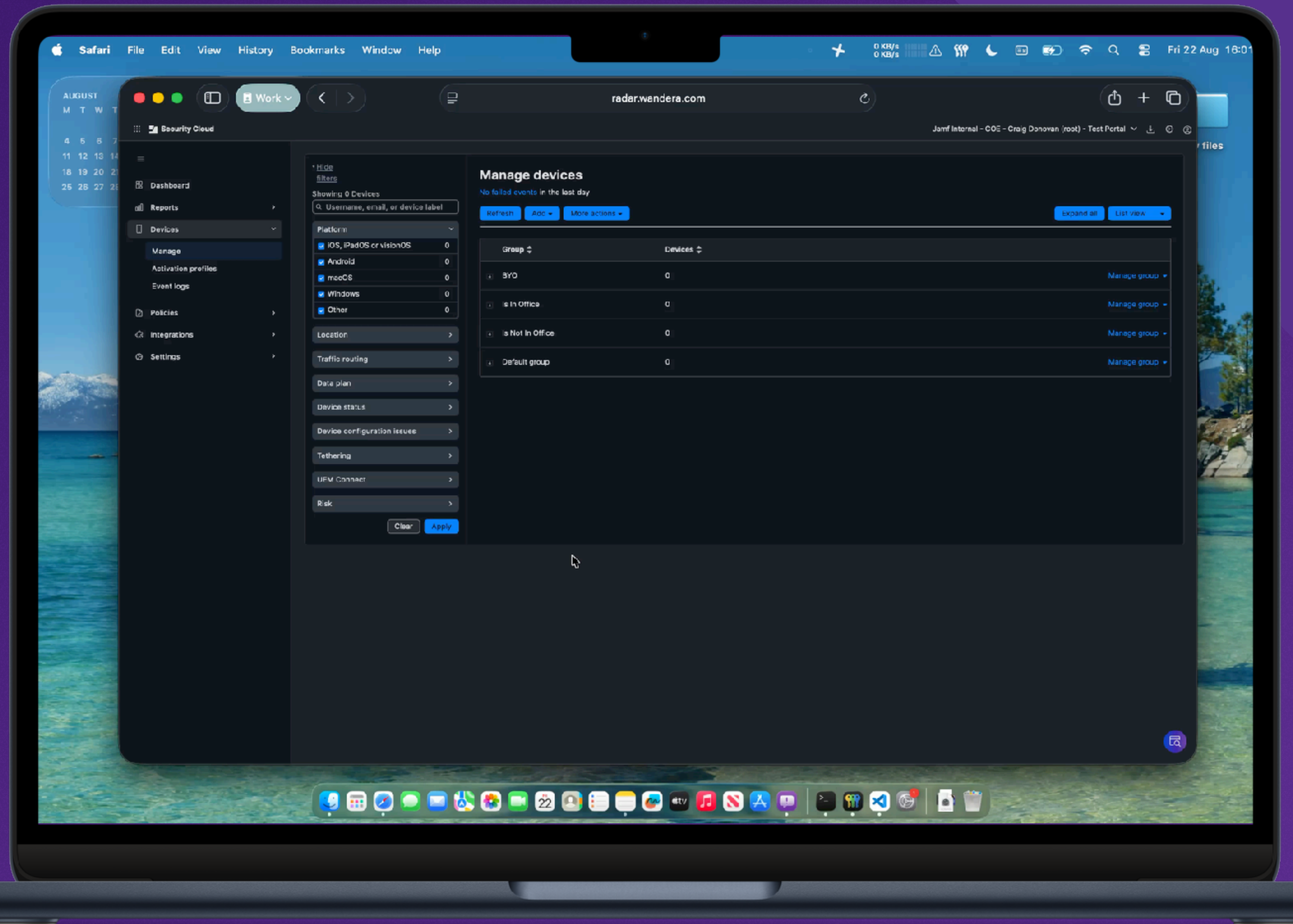
SENIOR ENTERPRISE CUSTOMER
SUCCESS ENGINEER

Zero-Touch, Zero-Hassle: Rethinking Secure Access for Apple Fleets

- ▶ What's changing in Access & Identity
- ▶ Managed Device Attestation (MDA)
- ▶ Zero-Touch Zero Trust Network Access

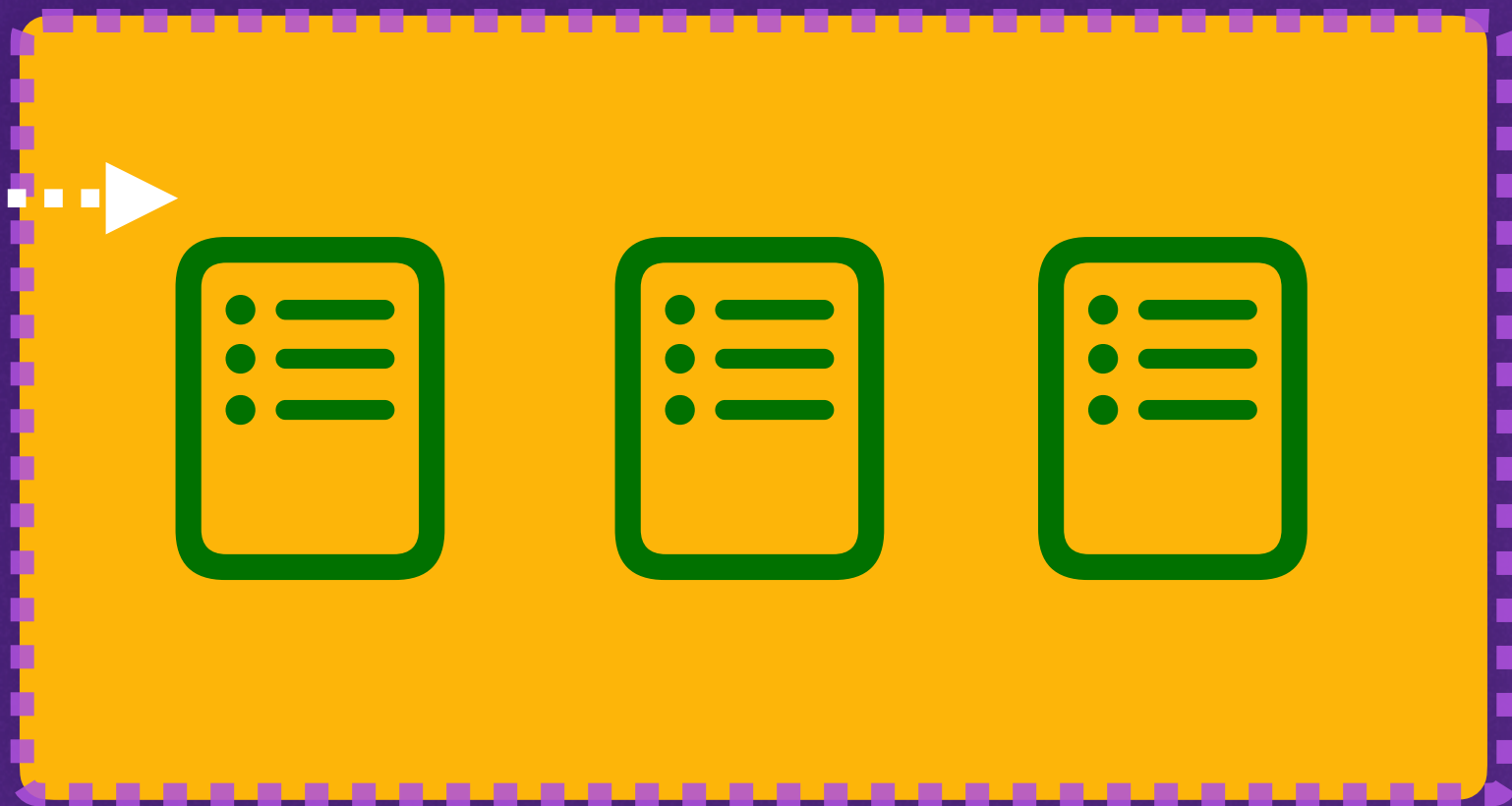
Before we start ...

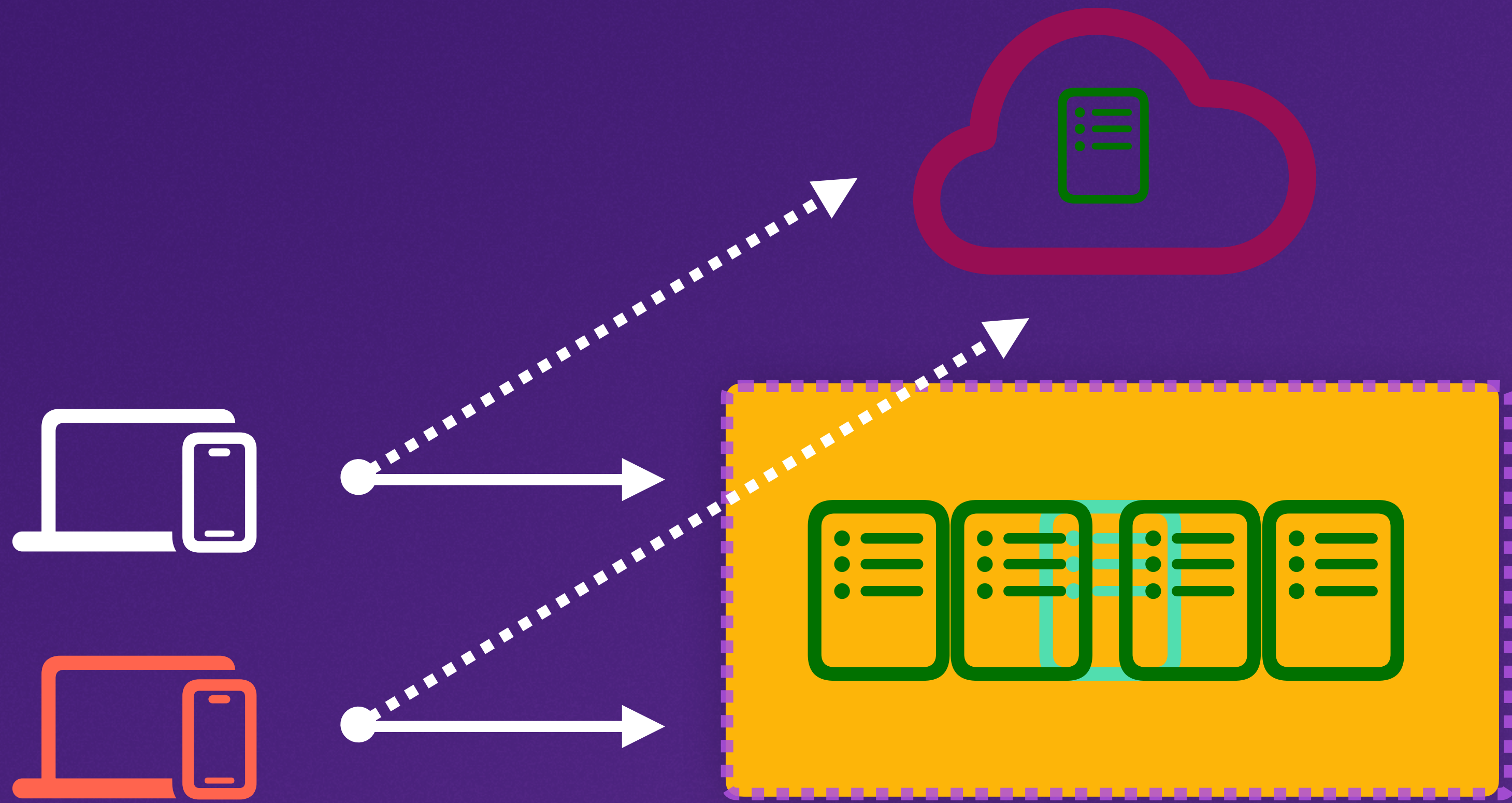
Preamble to Demo

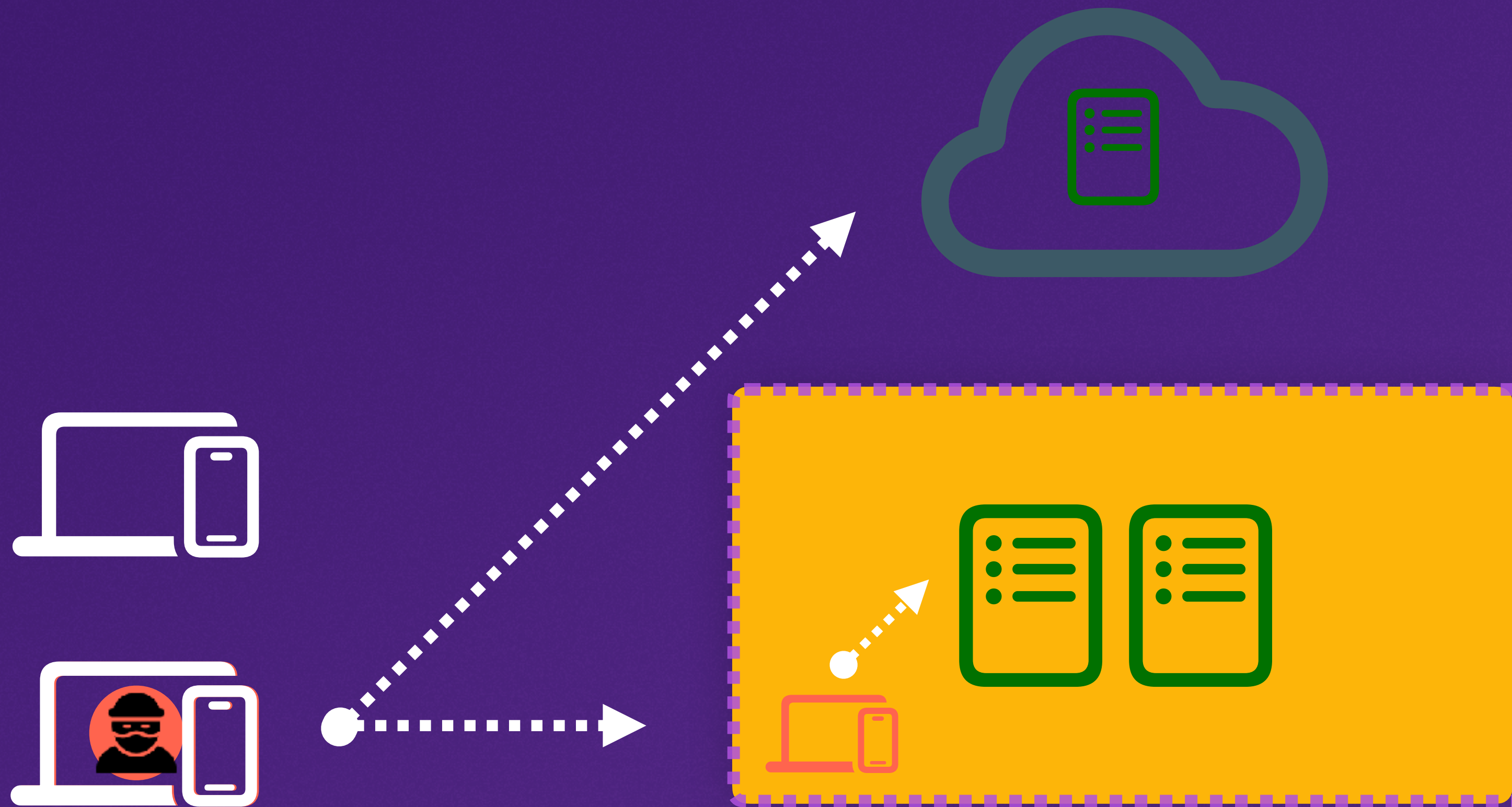


What's changing in Access and Identity

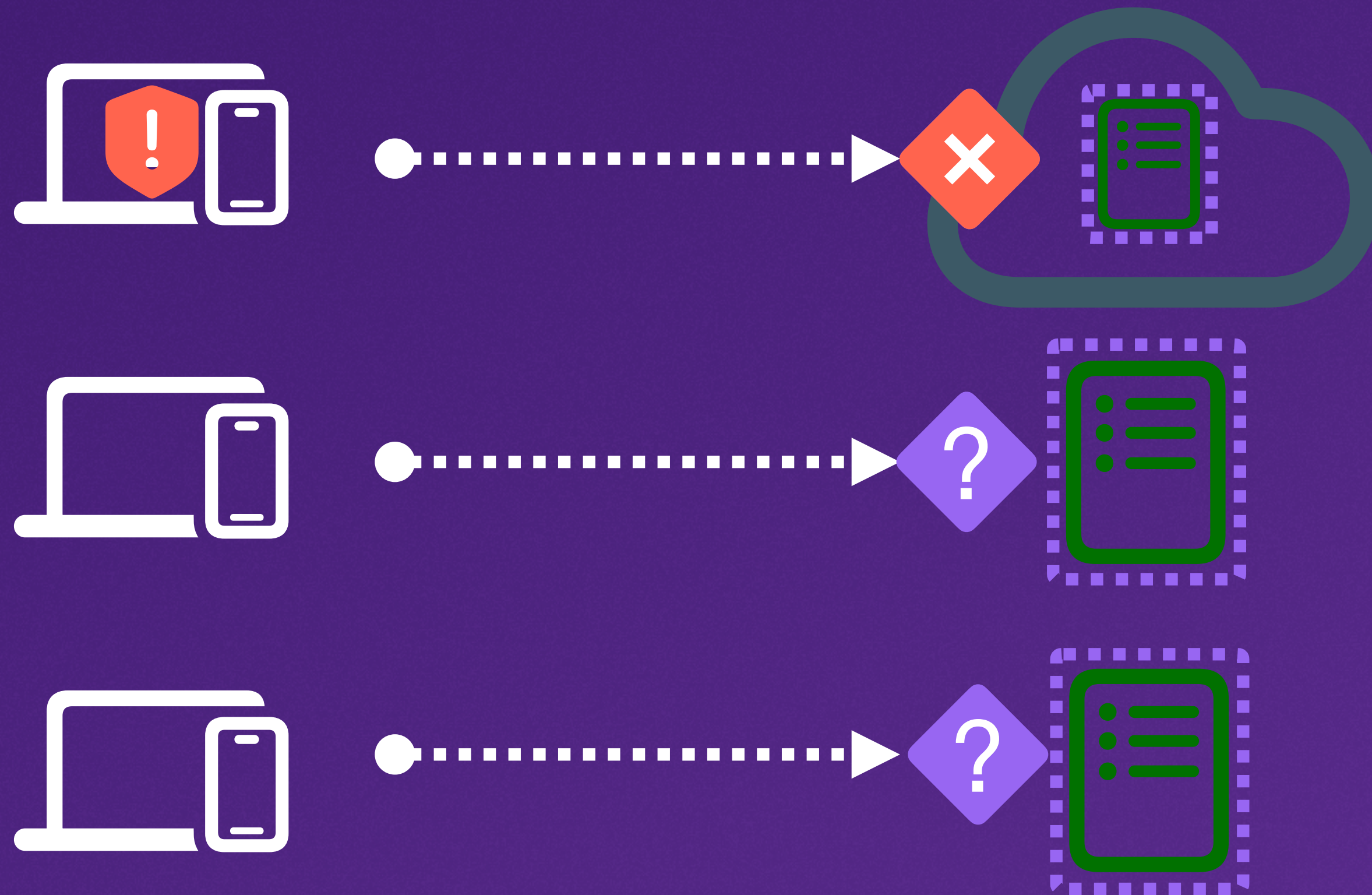




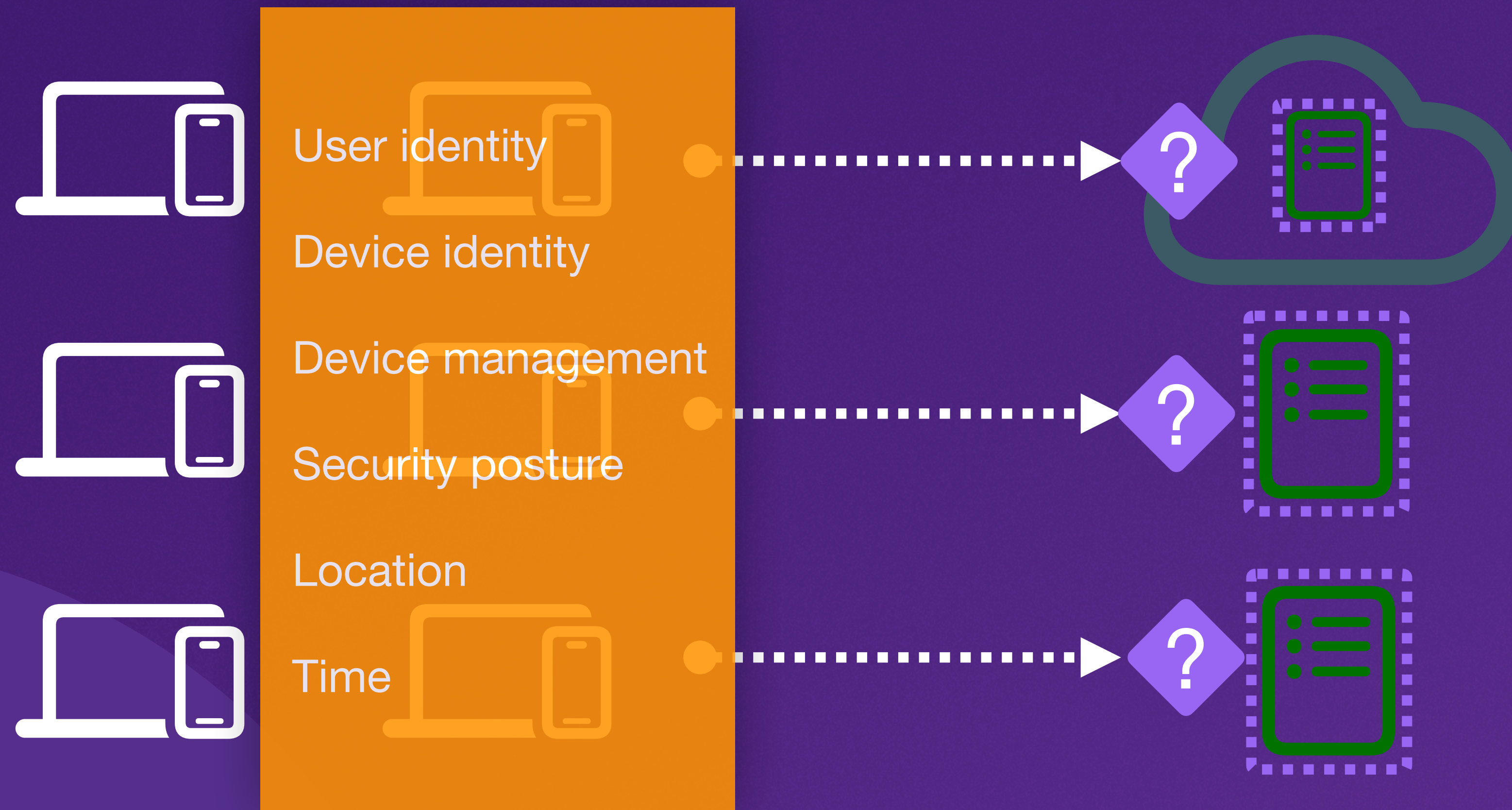




Zero Trust Access Security Model



Zero Trust Access Security Model

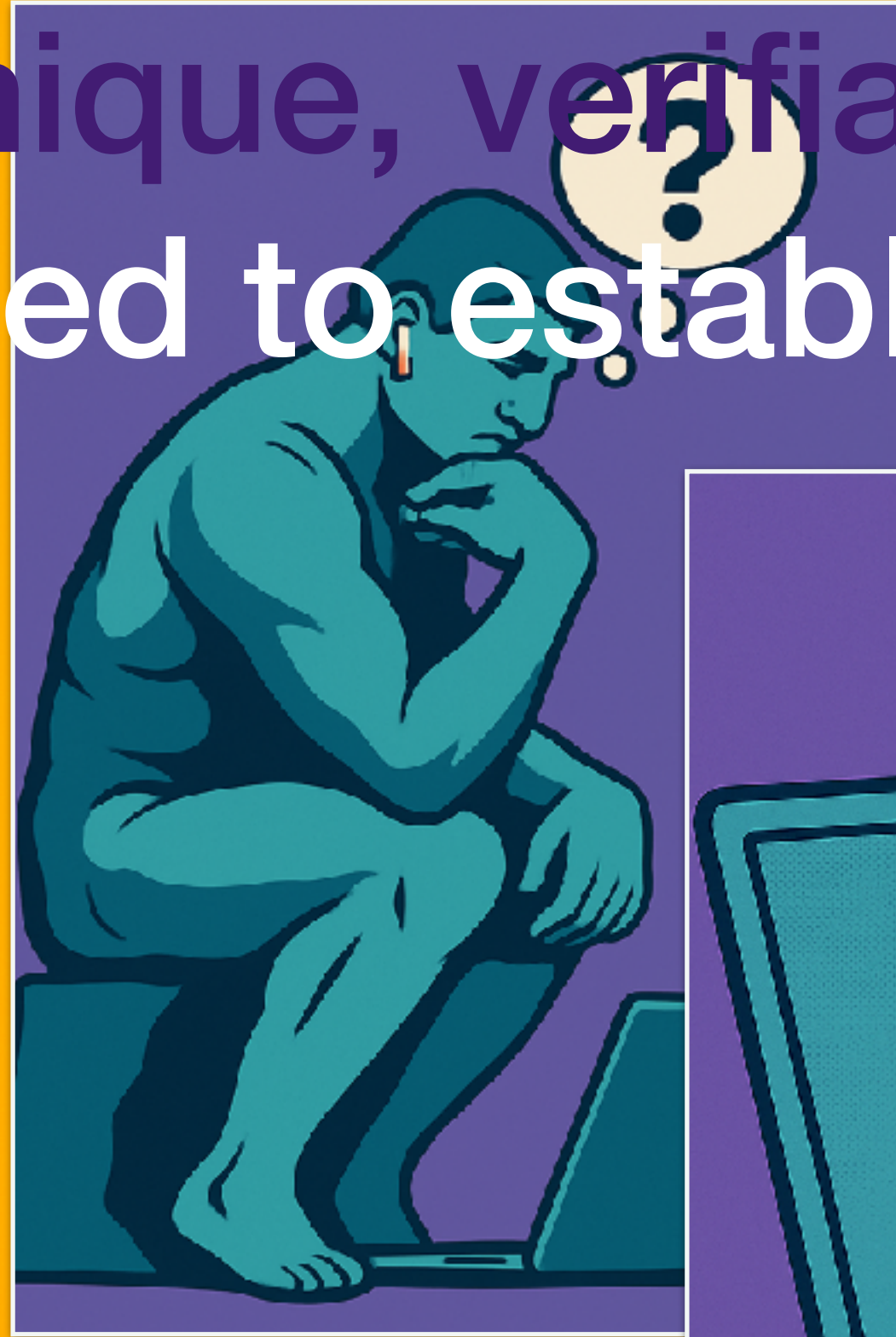


Keep the bad guys
out **by building trust**
before allowing
access.



Zero Trust starts with Identity

A unique, verifiable representation of a device used to establish trust and authenticate it.

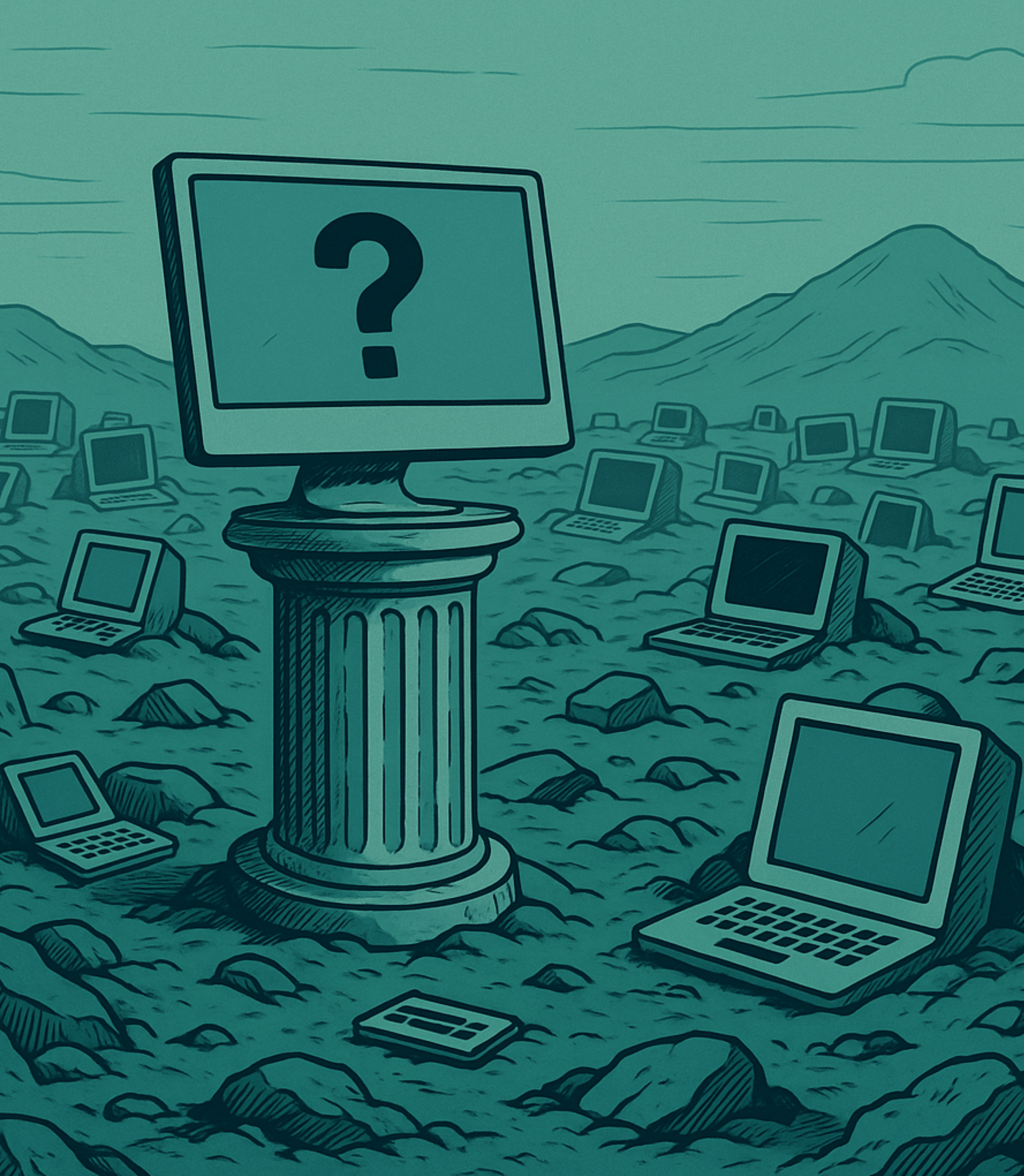


USER



DEVICE





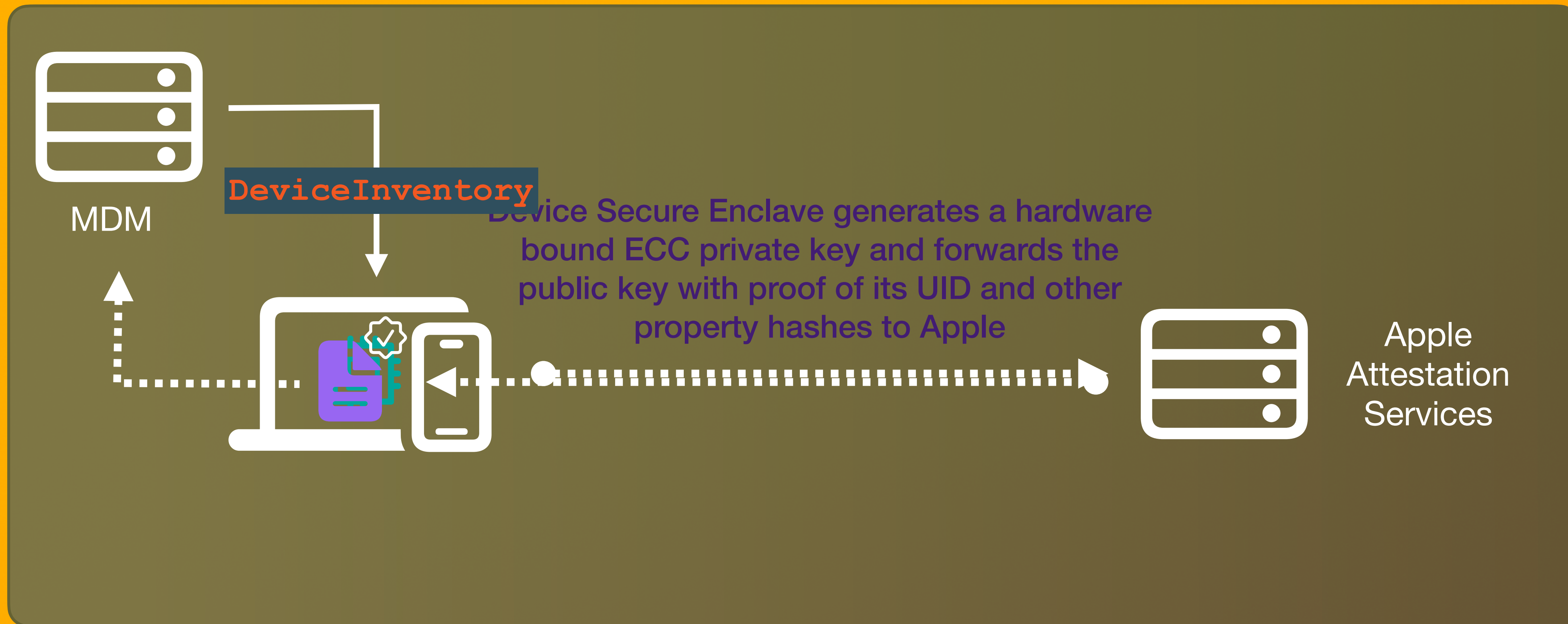
This has been a **challenge** on Apple devices for years...



Managed Device Attestation

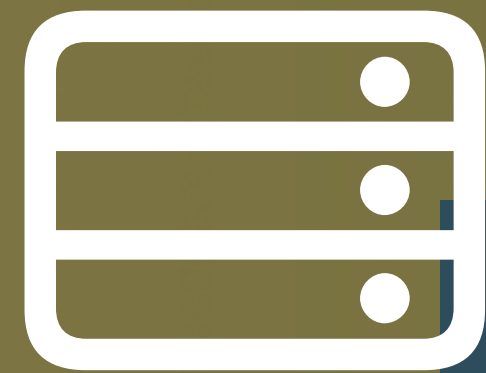
An Apple platform security feature that provides
hardware-based cryptographic evidence
– an attestation –
of a device's identity and several core properties.

DeviceInformation attestation

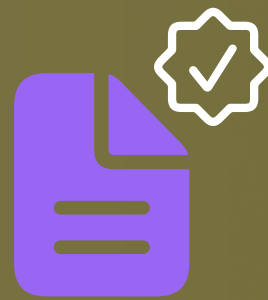




Device Information attestation



MDM



Attested Properties

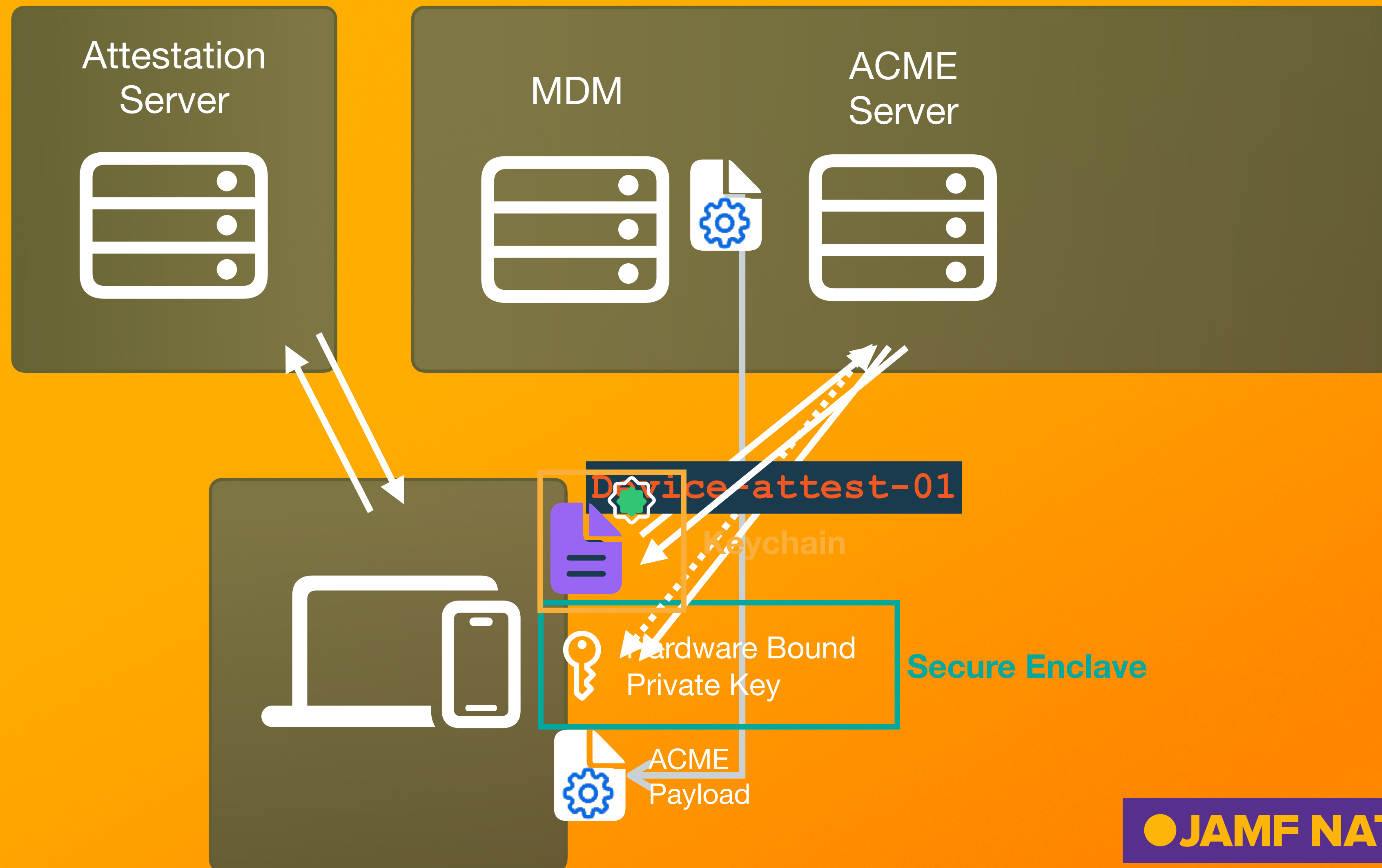
Immutable

UDID
Serial Number
Software Update Device ID

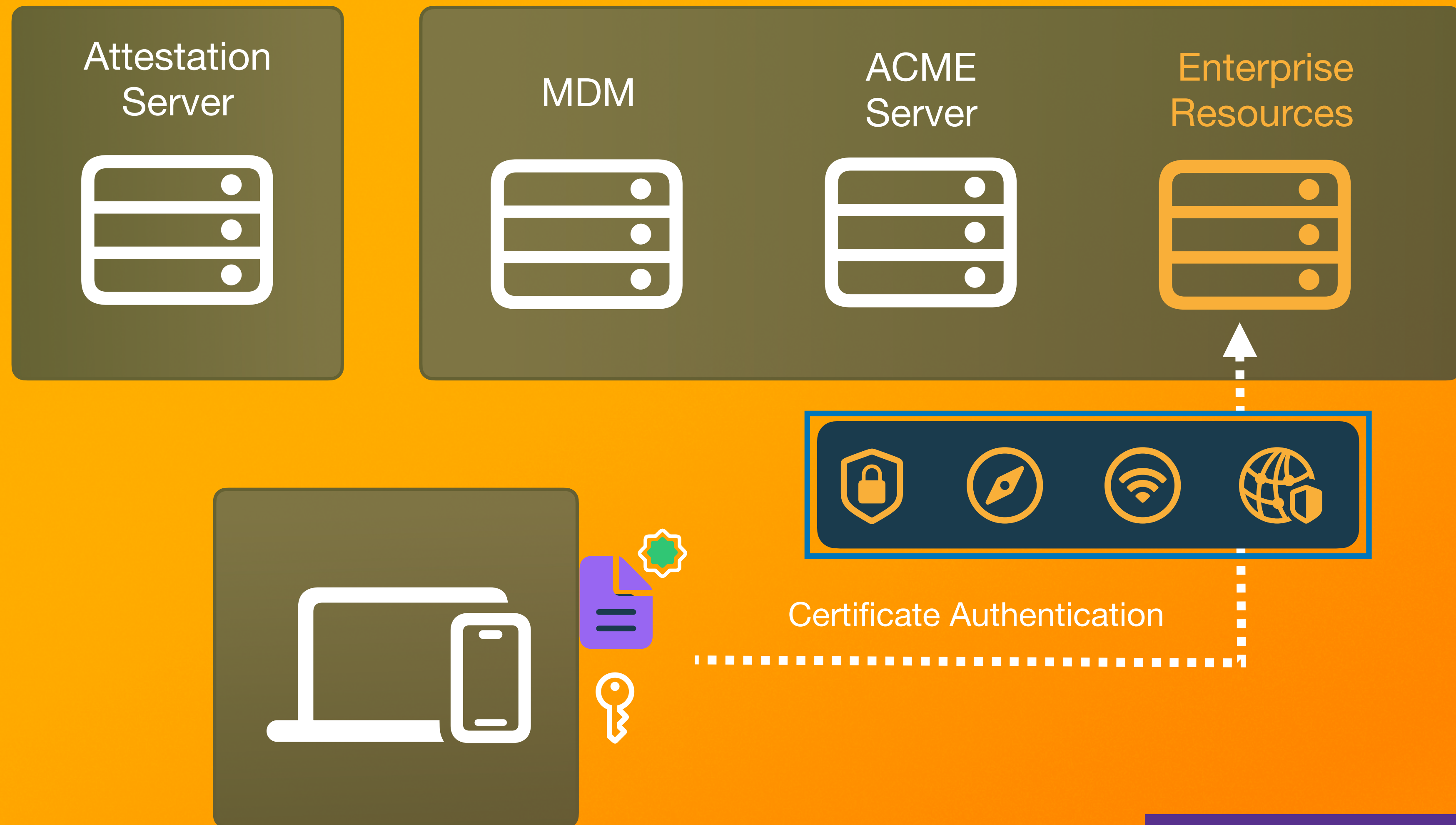
Mutable

OS Version
sepOS Version
Low-Level Bootloader Version
SIP Status
Secure Boot Status
Kernel Extension Approval

ACME device attestation



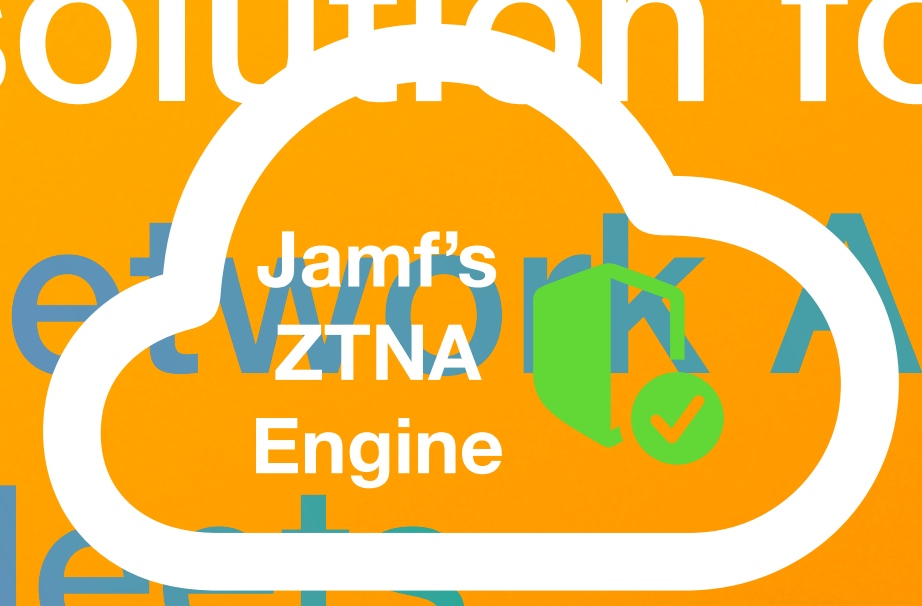
ACME device attestation



Why ACME Device Attestation matters?

- ▶ Device is genuine Apple hardware
- ▶ Device is a specific device
- ▶ Device hasn't been tampered with
- ▶ Establish trust with the MDM and within the organization
 - ▶ MDM client identity
 - ▶ MDM, Wi-Fi, VPN, Kerberos, Safari

Introducing Jamf's solution for Zero Trust, Zero Trust Network Access for the Apple fleets





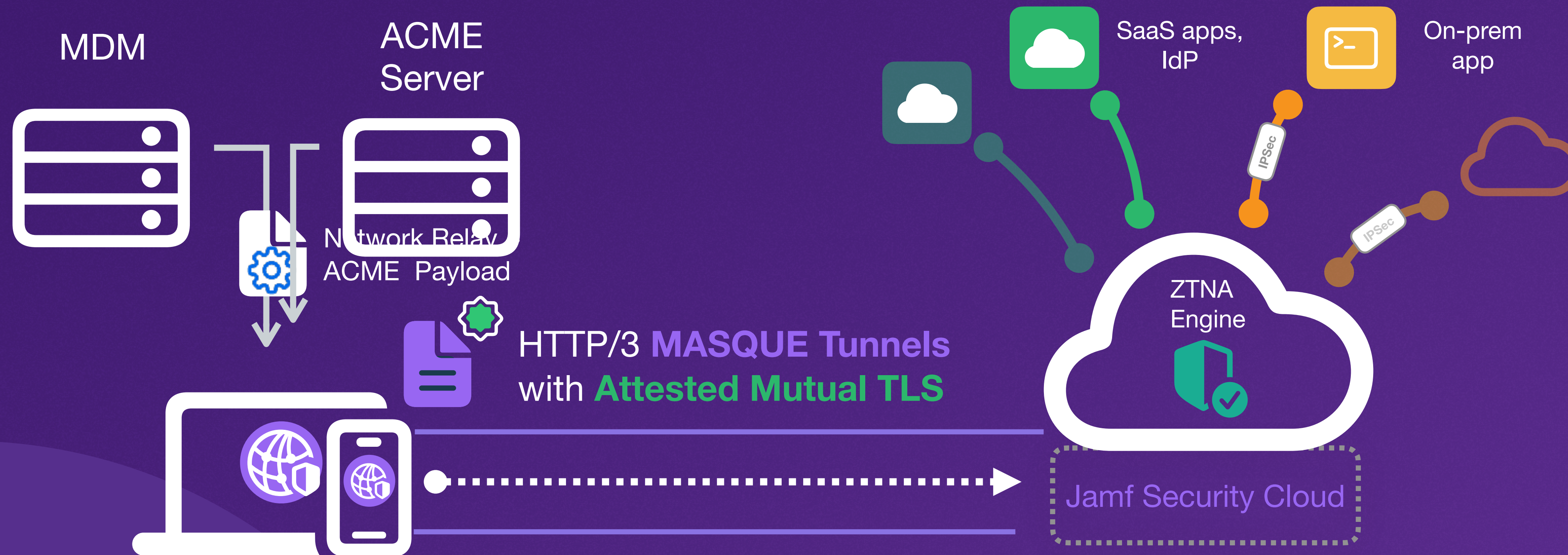
Network Relay



“A relay is a **special type of proxy that is optimized for performance**, uses the latest networking transport and security protocols, and is **natively built in** to Apple operating systems.”

Zero-Touch, Zero Trust Network Access

Powered by Apple's Network Relay, Managed Device Attestation and Jamf's ZTNA engine





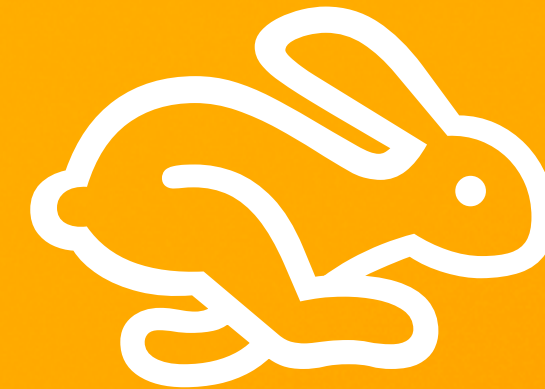
Jamf's Network Relay service **Key Features**



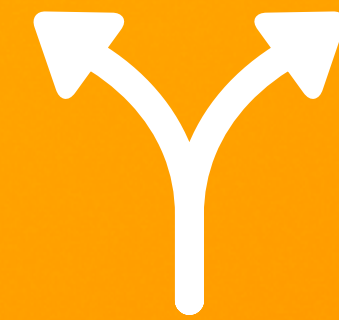
Zero-touch &
pre-stage
ready micro-
tunnels



Strong device
identity assertion



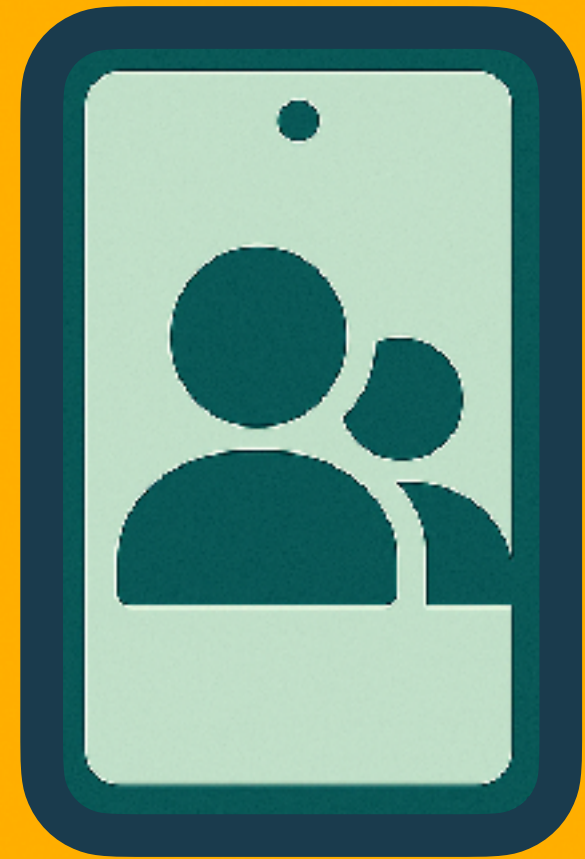
Ultra-fast and
compatible



Co-exists with
other VPNs



Network Relay **Key Use Cases**



Shared devices



Headless devices

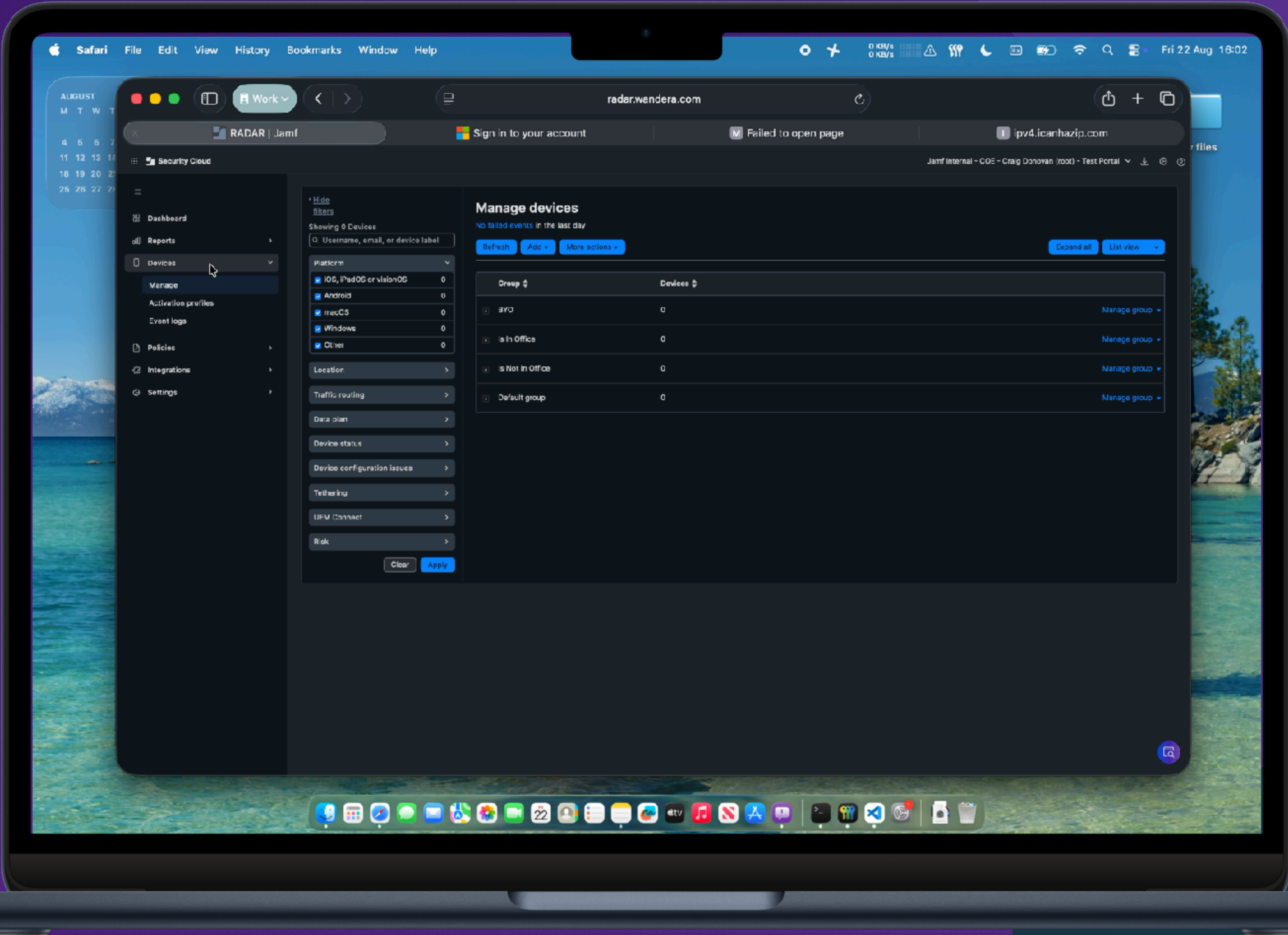


Seamless, ubiquitous remote access



Streamlined onboarding

Demo time



Additional resources

Headlines are generally short and to the point

Jamf Blogs&Documentation

- Marketing blog: [Jamf's network relay service for mobile](#)
- Technical blog: [Extending Jamf Connect ZTNA with Apple's Network Relay and Device Attestation](#)
- Technical blog: [Network Relays: Apple's Modern Approach to Secure Remote Access](#)
- [Release Candidate announcement article](#)
- [Documentation](#)

