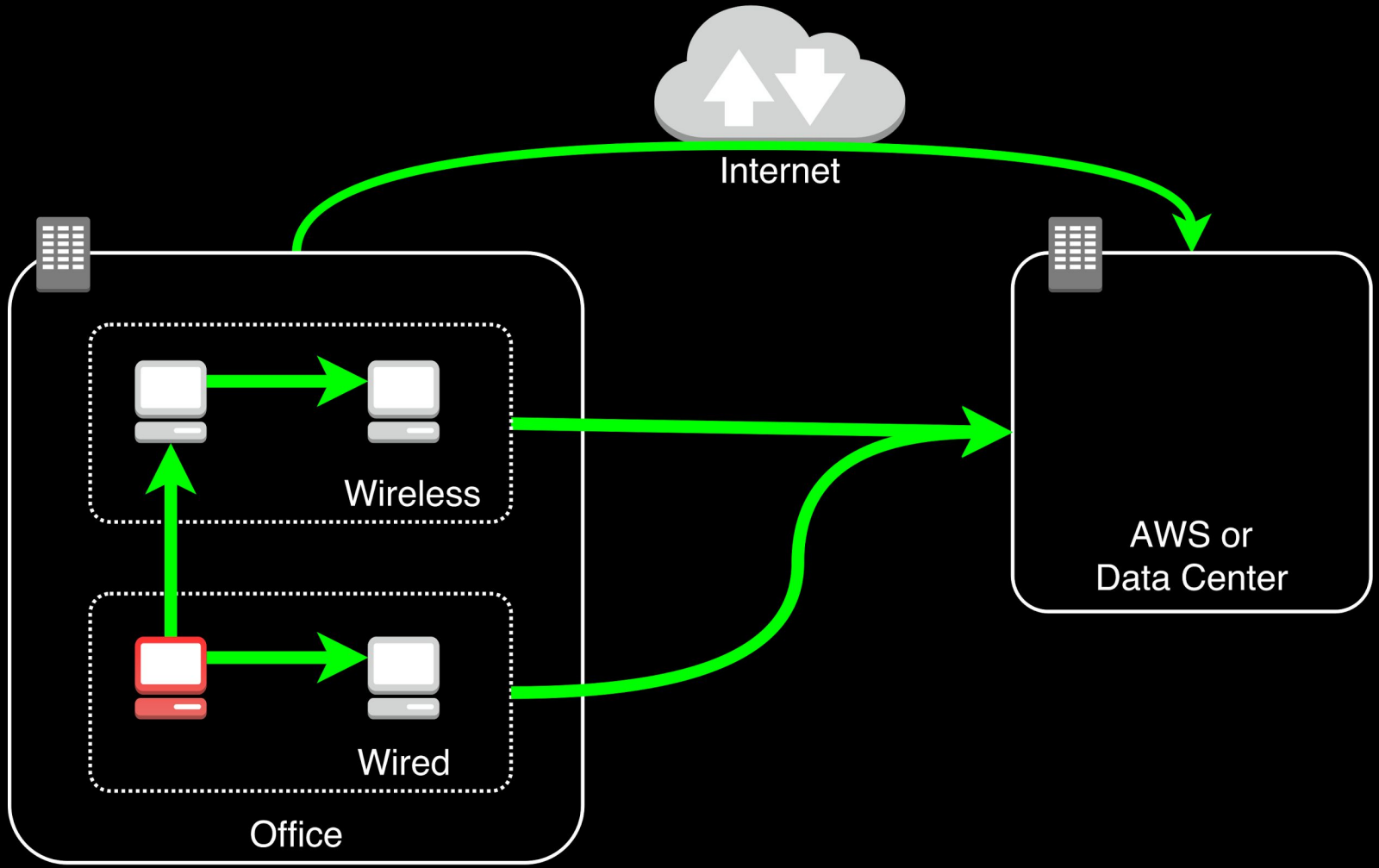
Location Independent Security Approach (LISA)

Bryan Zimmer
Senior Security Architect


Your office network is a liability.


Internet
Wireless
Wired
Office
AWS or
Data Center

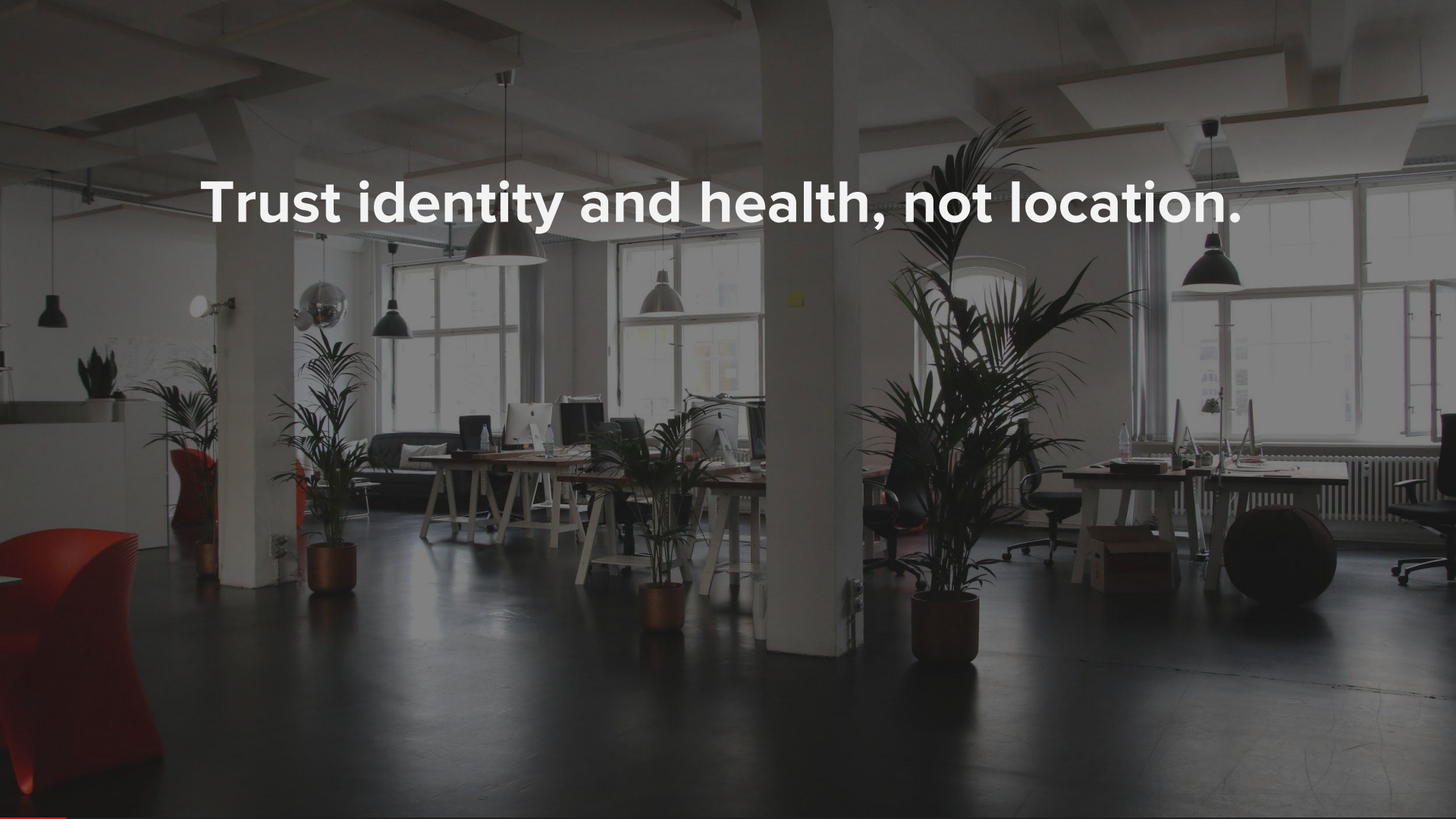


LISA Principles

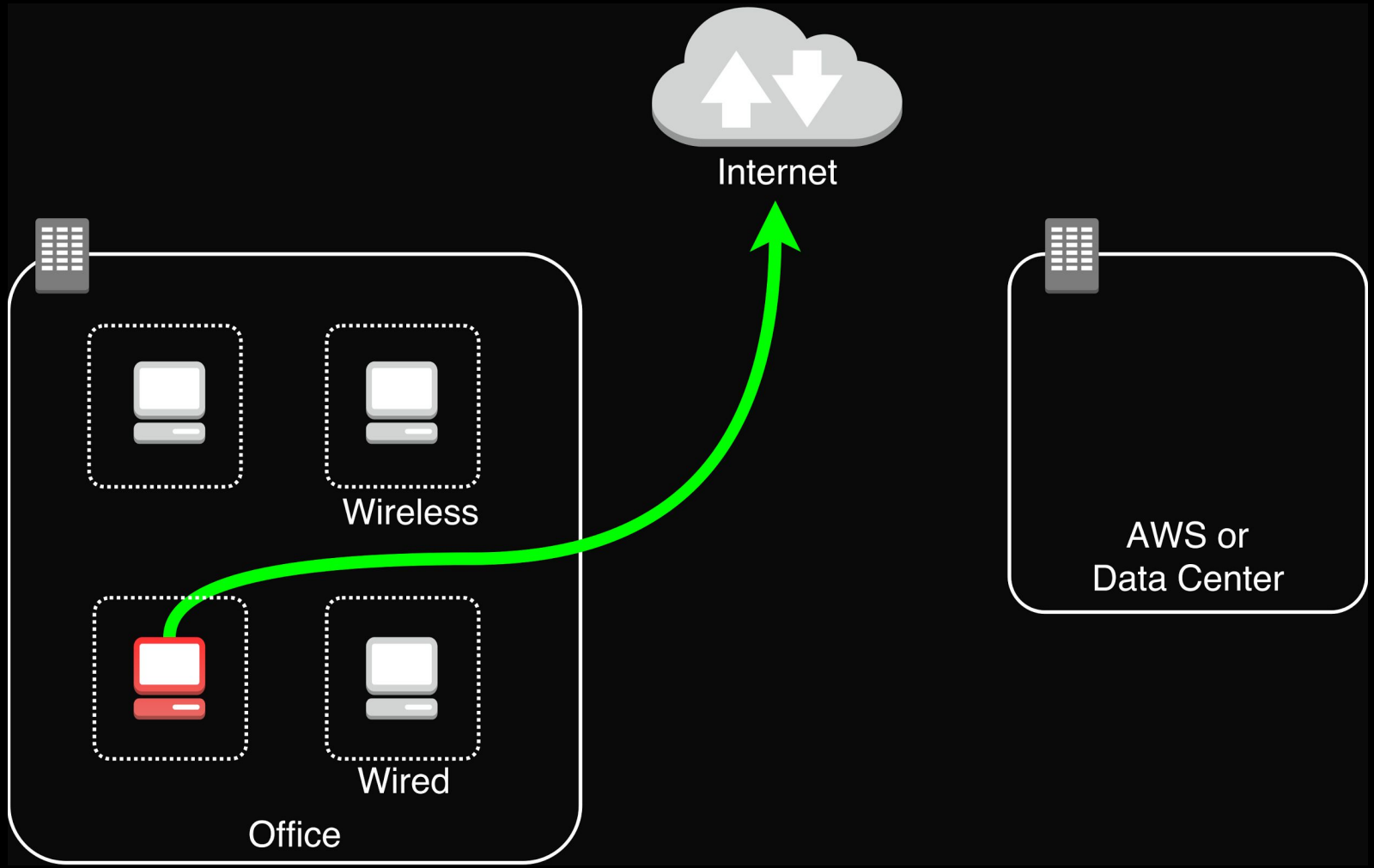
Trust identity and health

No trust in office network

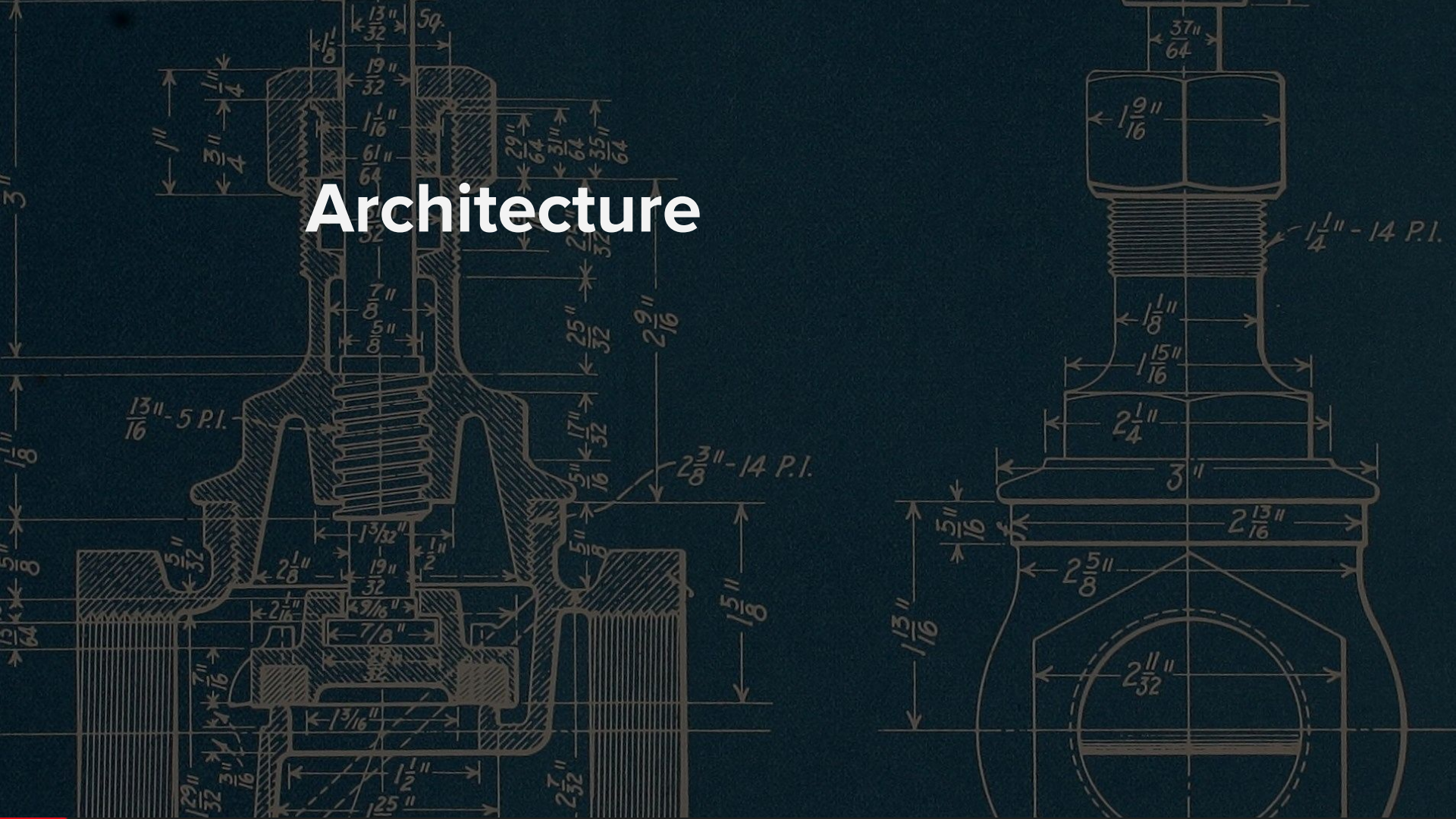
Device isolation

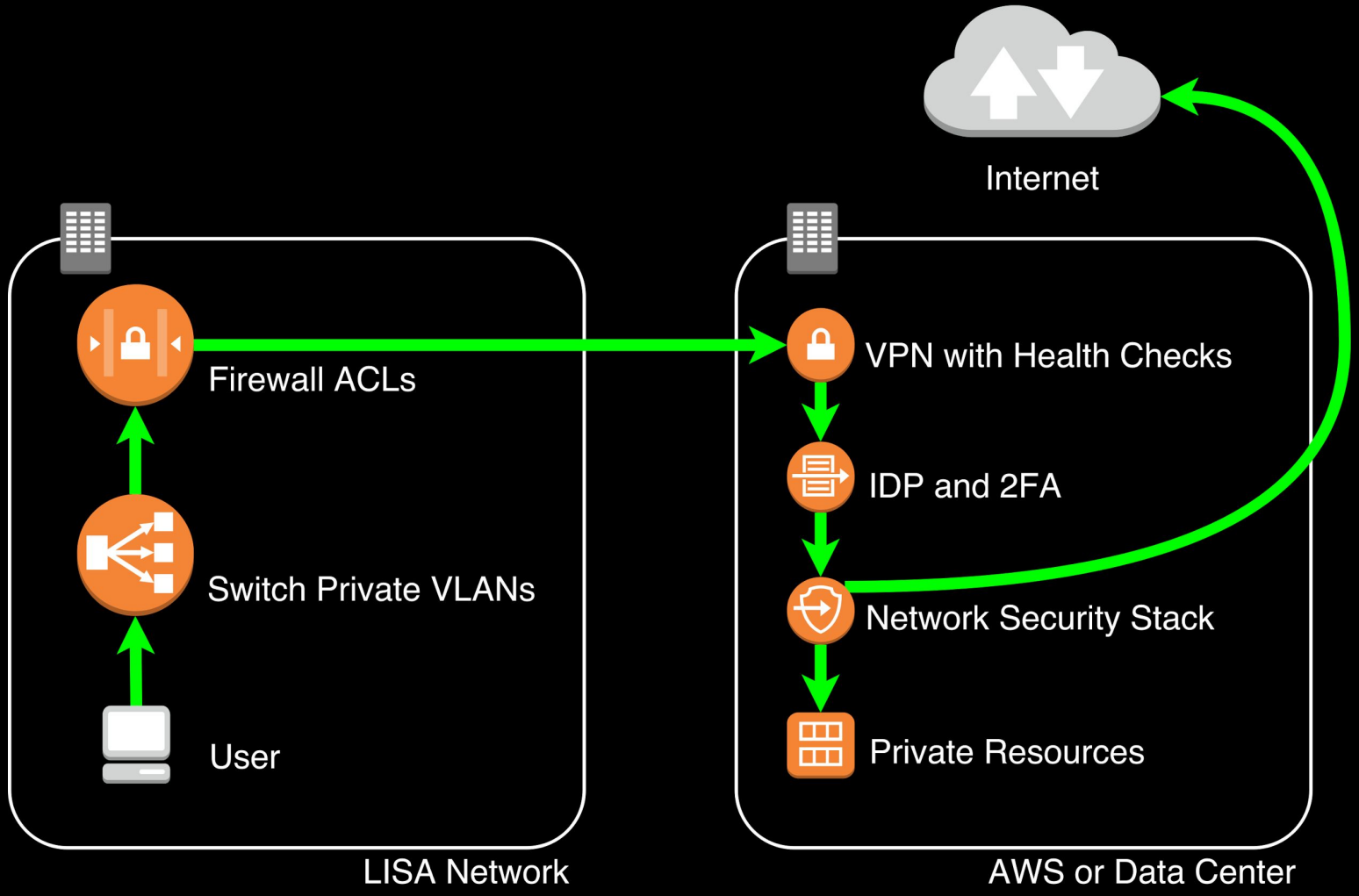

Trust identity and health, not location.

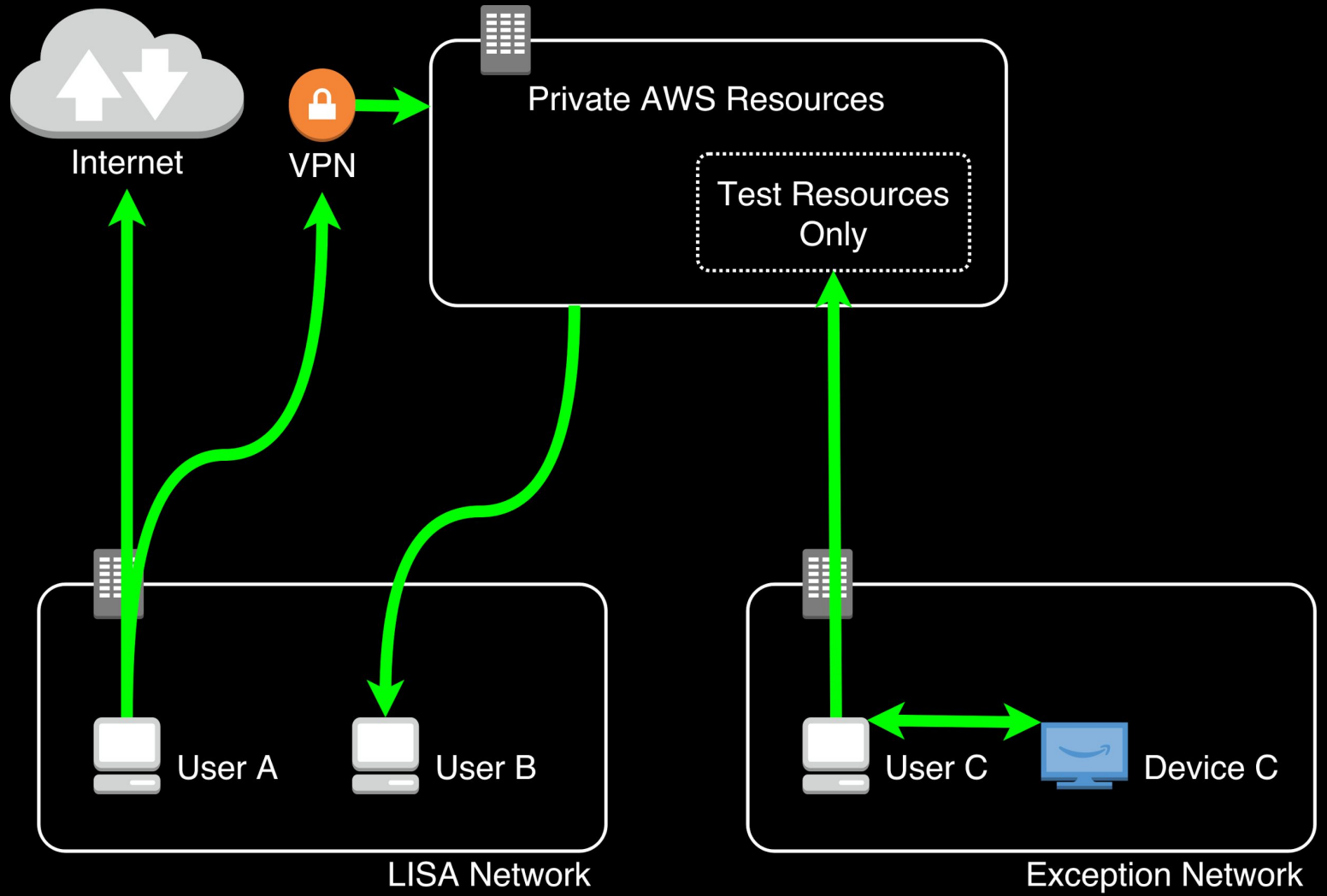

Treat your network like a coffee shop.
eat
pray
love
Swan
Victoria Arduino

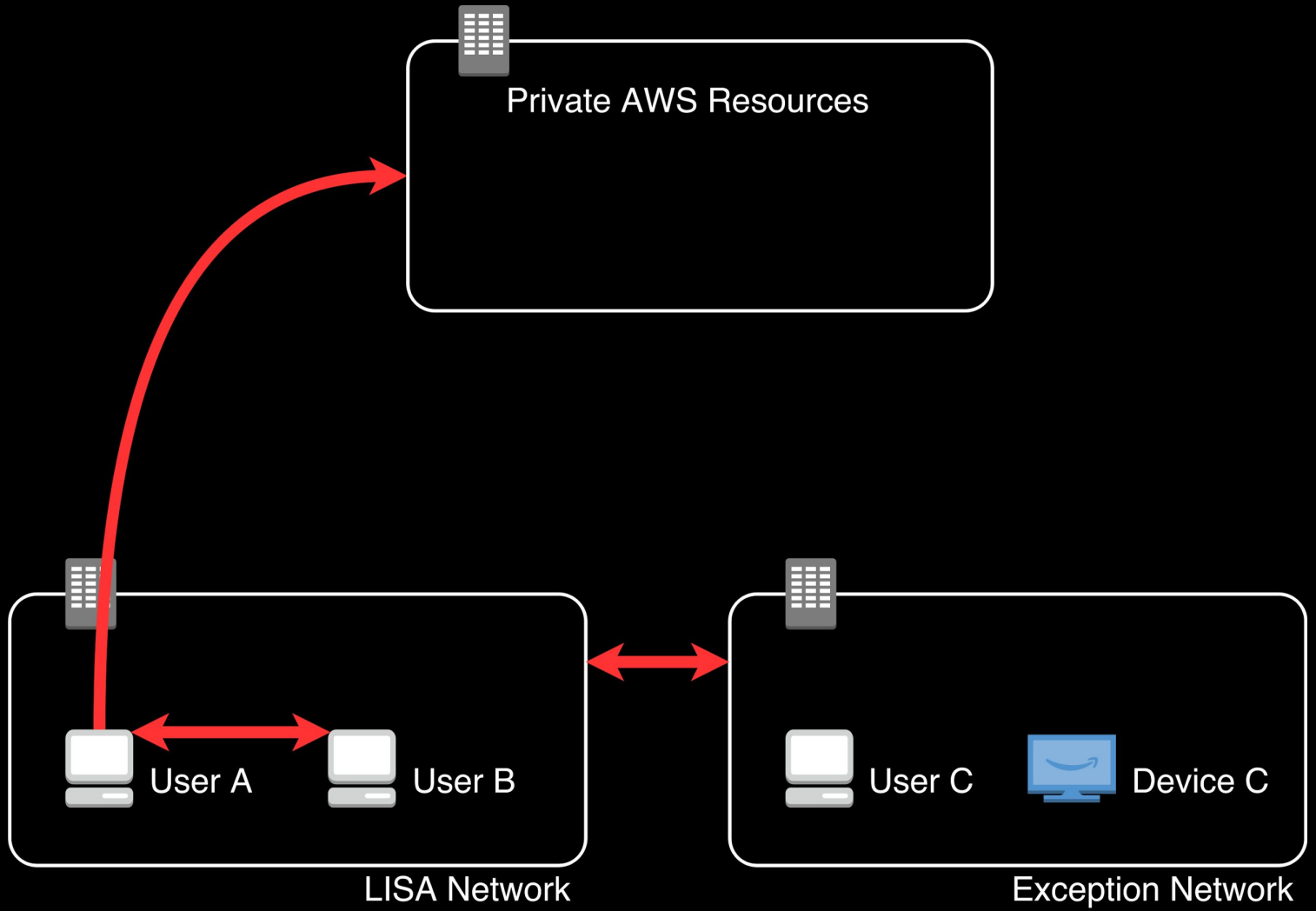

Internet
Wireless
Wired
Office
AWS or
Data Center

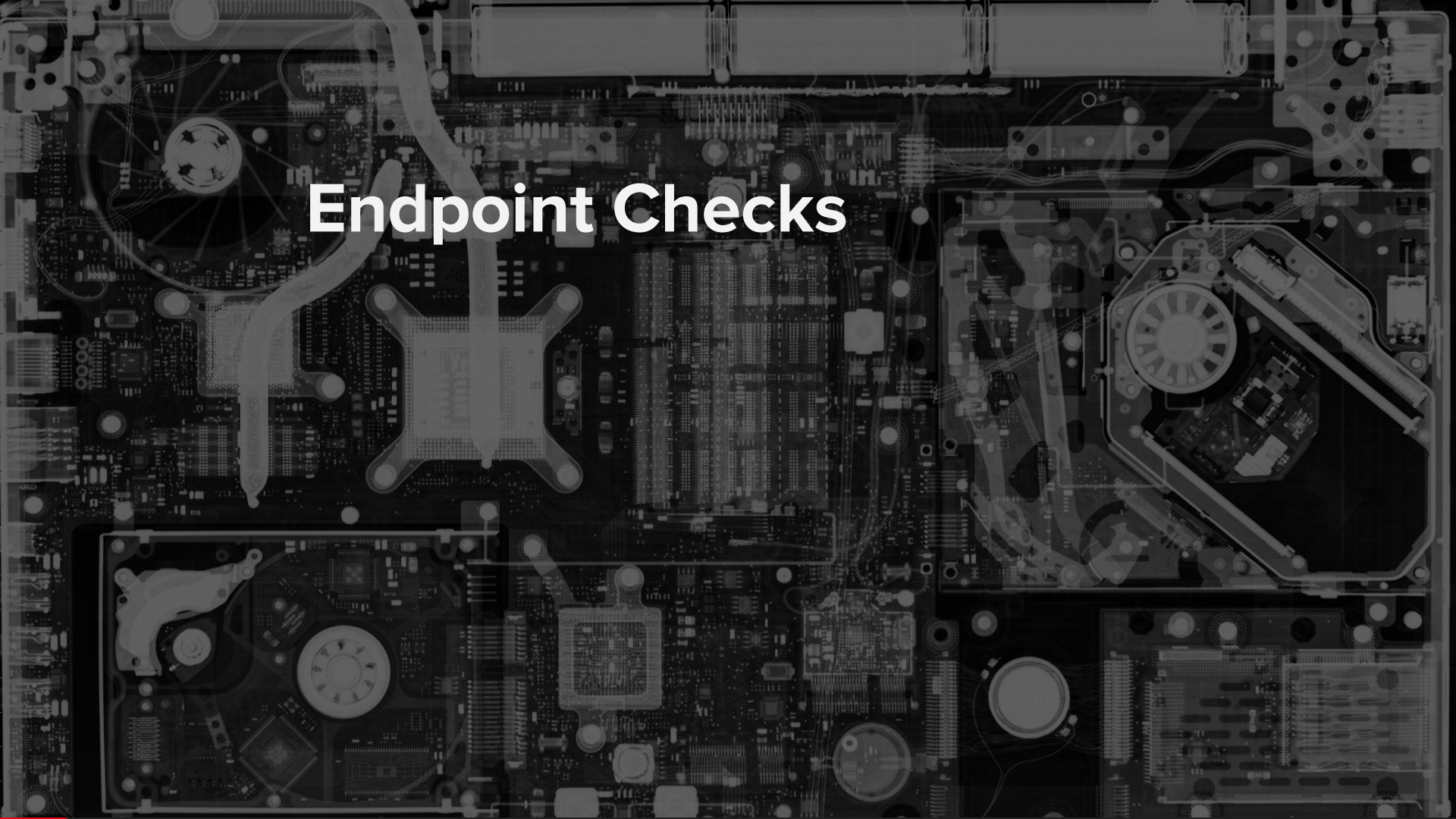
Architecture

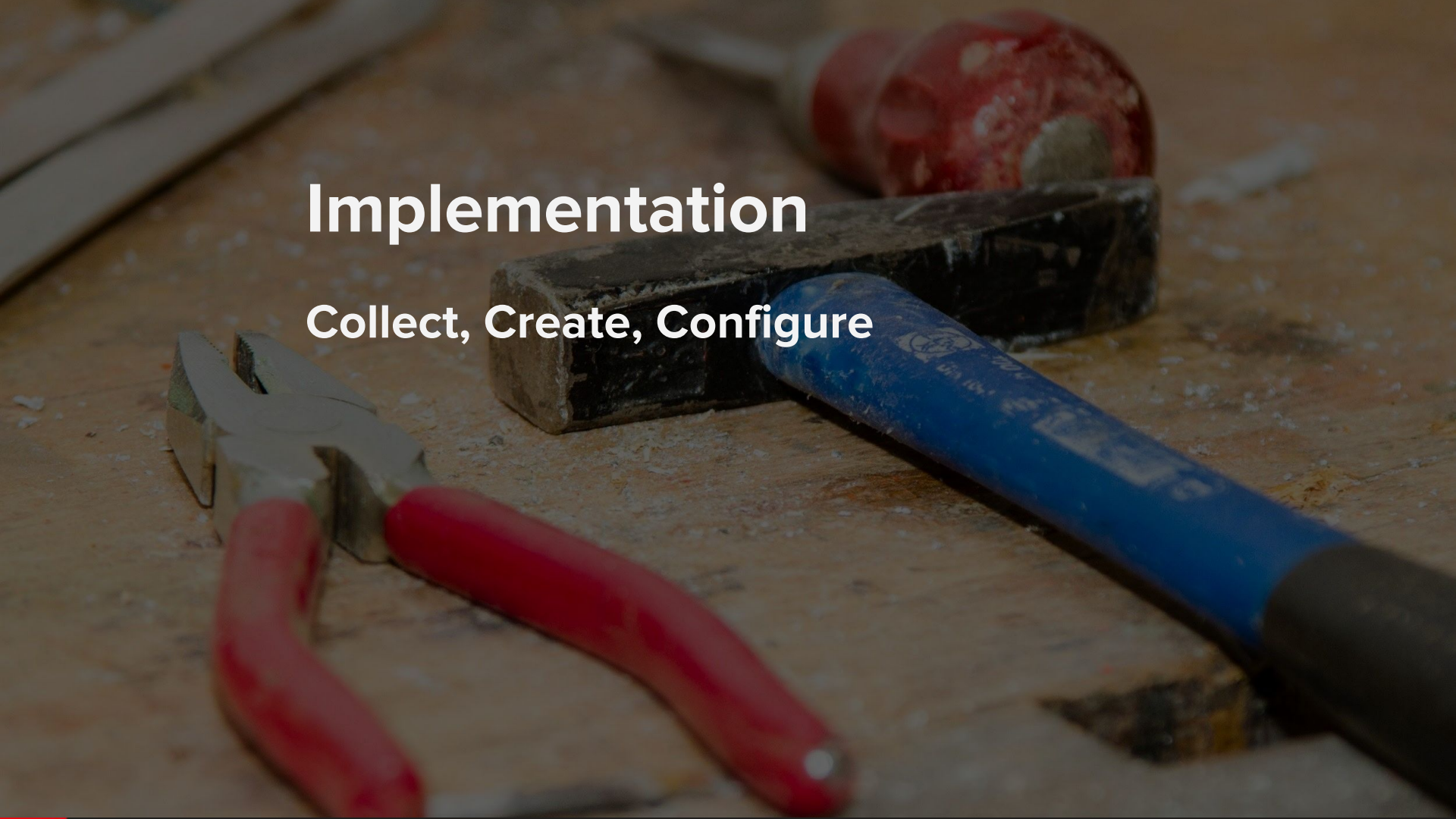



Internet
Firewall ACLs
Switch Private VLANs
User
LISA Network
VPN with Health Checks
IDP and 2FA
Network Security Stack
Private Resources
AWS or Data Center


Internet
VPN
Private AWS Resources
Test Resources Only
User A
User B
LISA Network
User C
Device C
Exception Network


Private AWS Resources
User A
User B
LISA Network
User C
Device C
Exception Network


Endpoint Checks

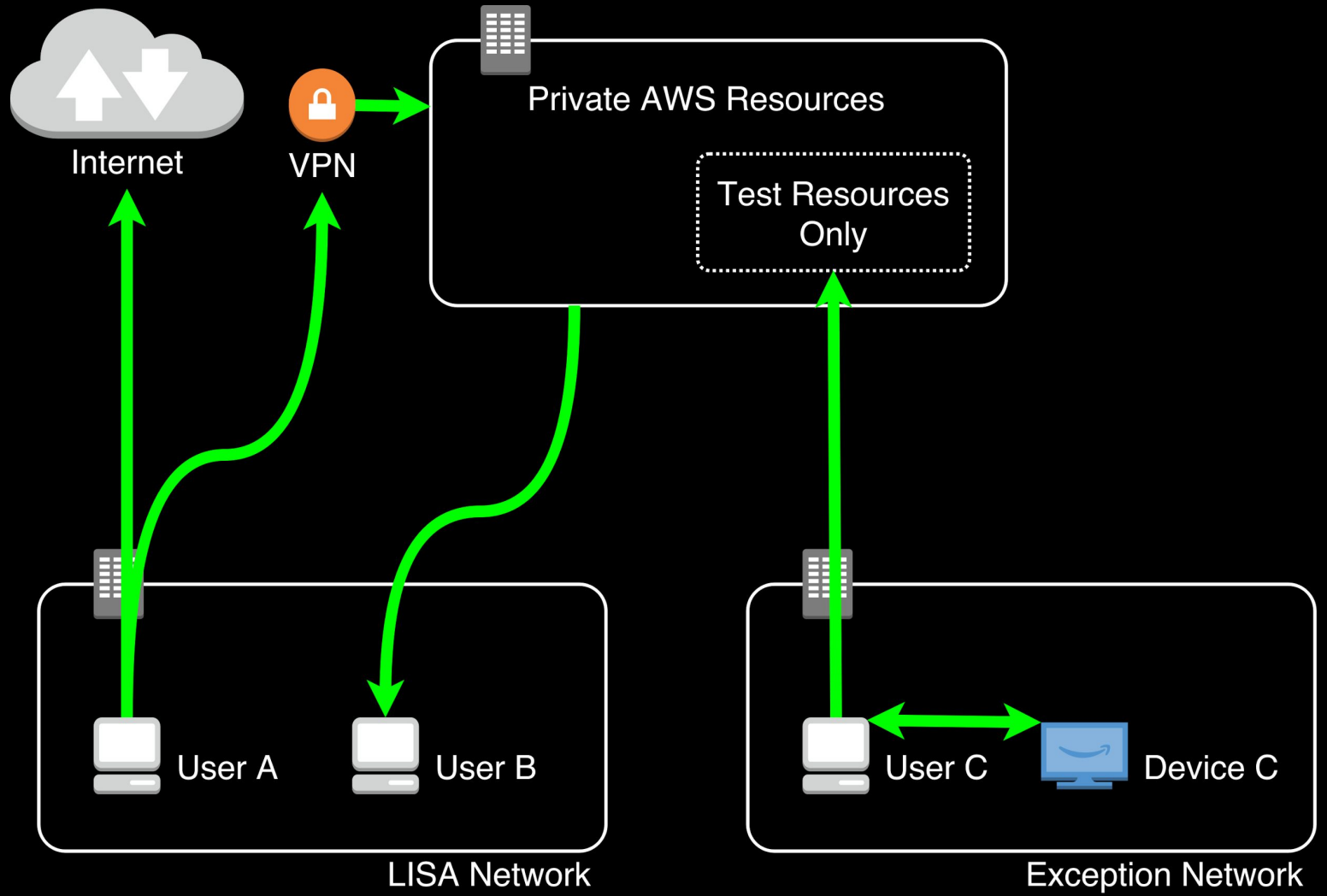


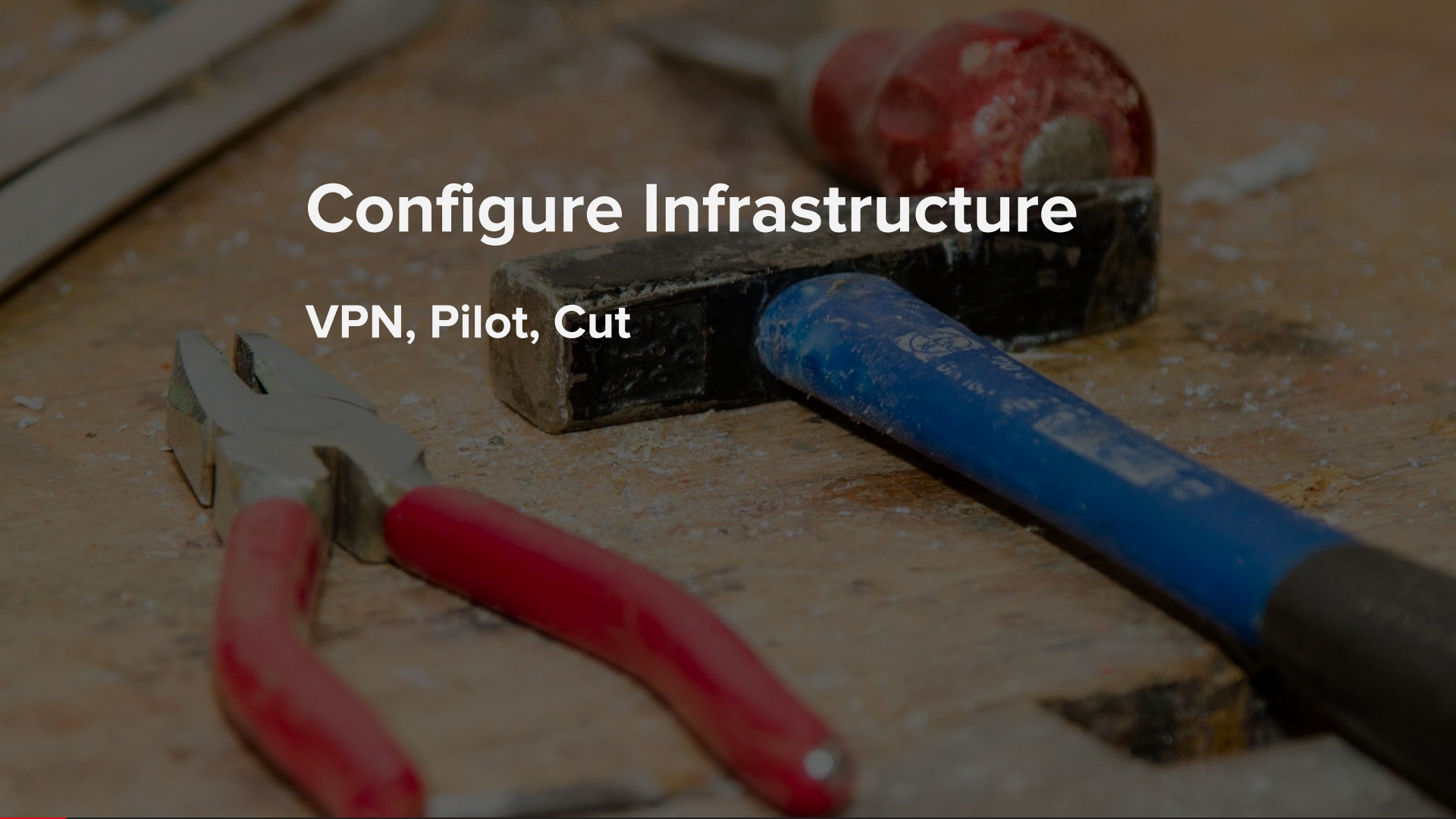
Implementation

Collect, Create, Configure


Collect Use Cases

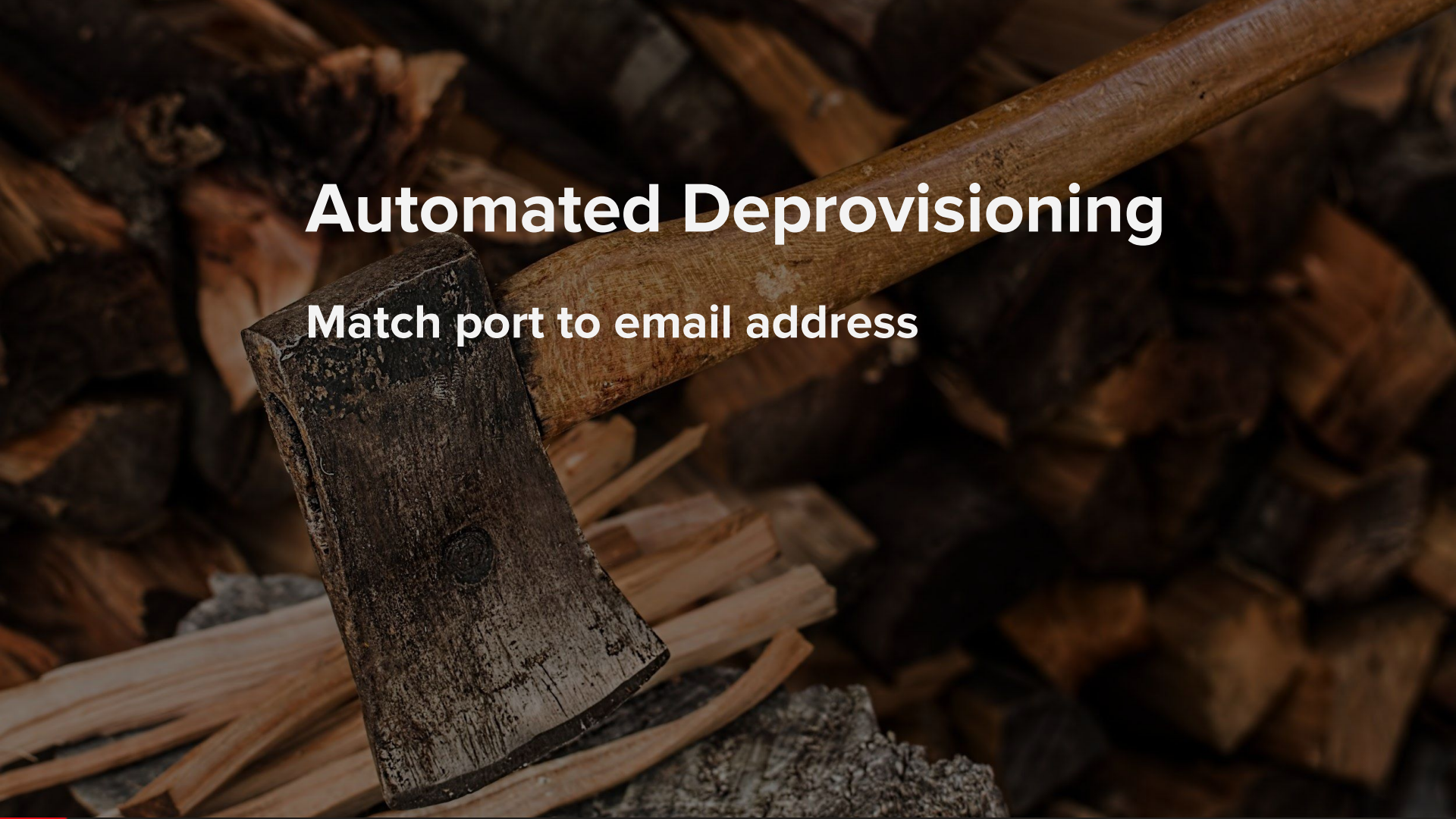

Create Exception Networks


Internet
VPN
Private AWS Resources
Test Resources Only
User A
User B
LISA Network
User C
Device C
Exception Network



Configure Infrastructure

VPN, Pilot, Cut


Automated Deprovisioning
Match port to email address



Benefits

Reduced risk and effort

Simplified network and cost savings



Benefits

Easy implementation

Fits more companies



Lessons Learned

Communicate and collaborate



Lessons Learned

Be thorough



Next Steps

Meet, Gather, Communicate, Implement

Questions?

