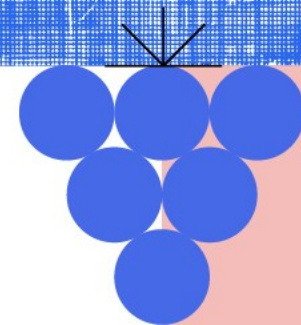


# HPE

## Segurança de rede baseada em identidade

Pedro Lourenço, HPE Networking Systems Engineer

Maio 2026



# Recognized as a Leader

## A Leader: Wired/Wireless

Figure 1: Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure



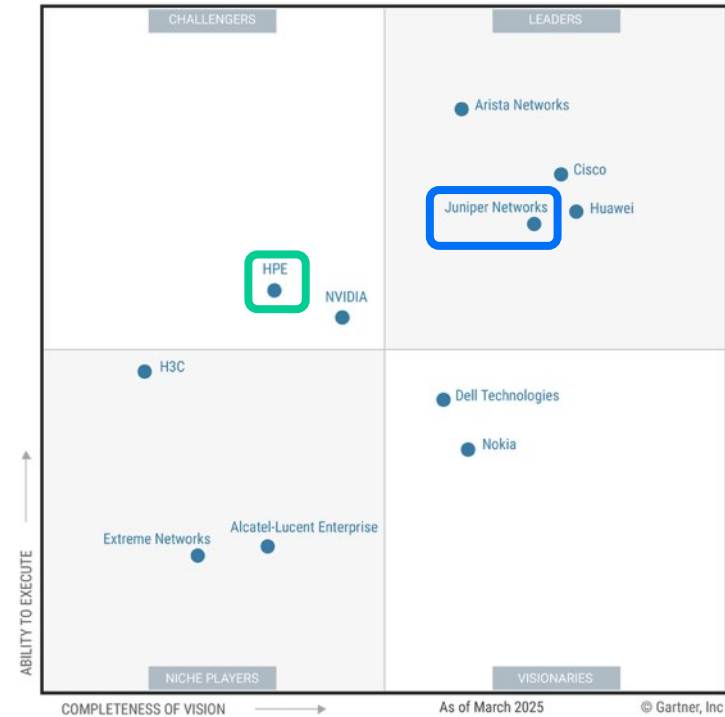
Furthest in Vision,  
Highest in Execution

#1 in all critical  
capability use cases

Gartner.

## A Leader: Data Center Networking

Figure 1: Magic Quadrant for Data Center Switching



#1 in Enterprise Build  
Out use case

Gartner.

Gartner, Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure, Mike Leibovitz, Christian Canales, Nauman Raja, Tim Zimmerman, 25 June 2025.

Gartner, Magic Quadrant for Data Center Switching, Andrew Lerner, Simon Richard, Nauman Raja, Jorge Aragon, Jonathan Forest, 31 March 2025.

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# The power of microservices

## Develop once, deploy *everywhere*



# The power of microservices

## Develop once, deploy *everywhere*



**HPE** aruba  
networking

**HPE** JUNIPER  
networking

### AGENTIC AI

New self-driving features added  
at record pace

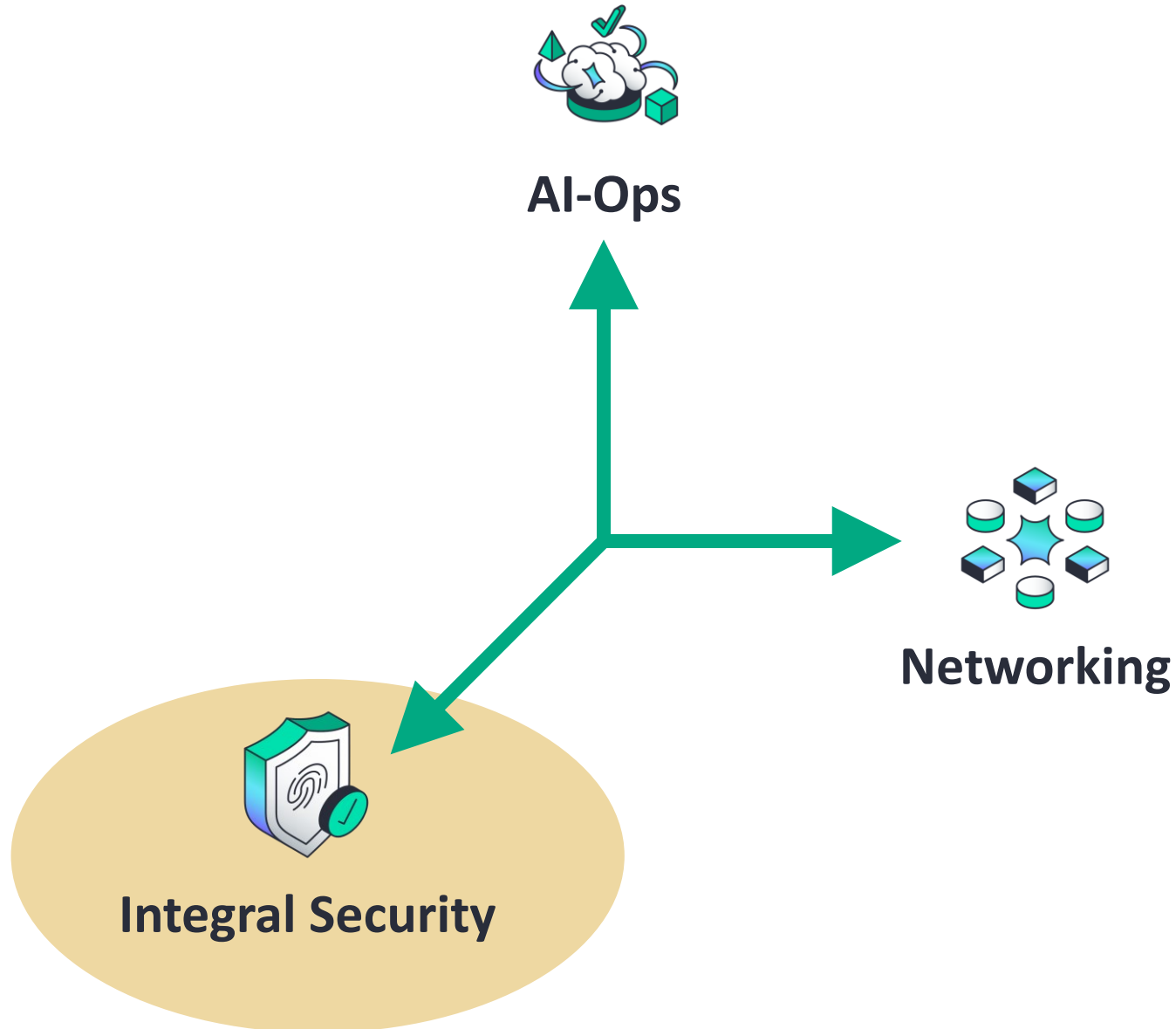
### MICROSERVICES

Common code and engineering resources leveraged  
across both solutions

Self-driving  
network



# Changing the Game with AI-ops and Integral Security



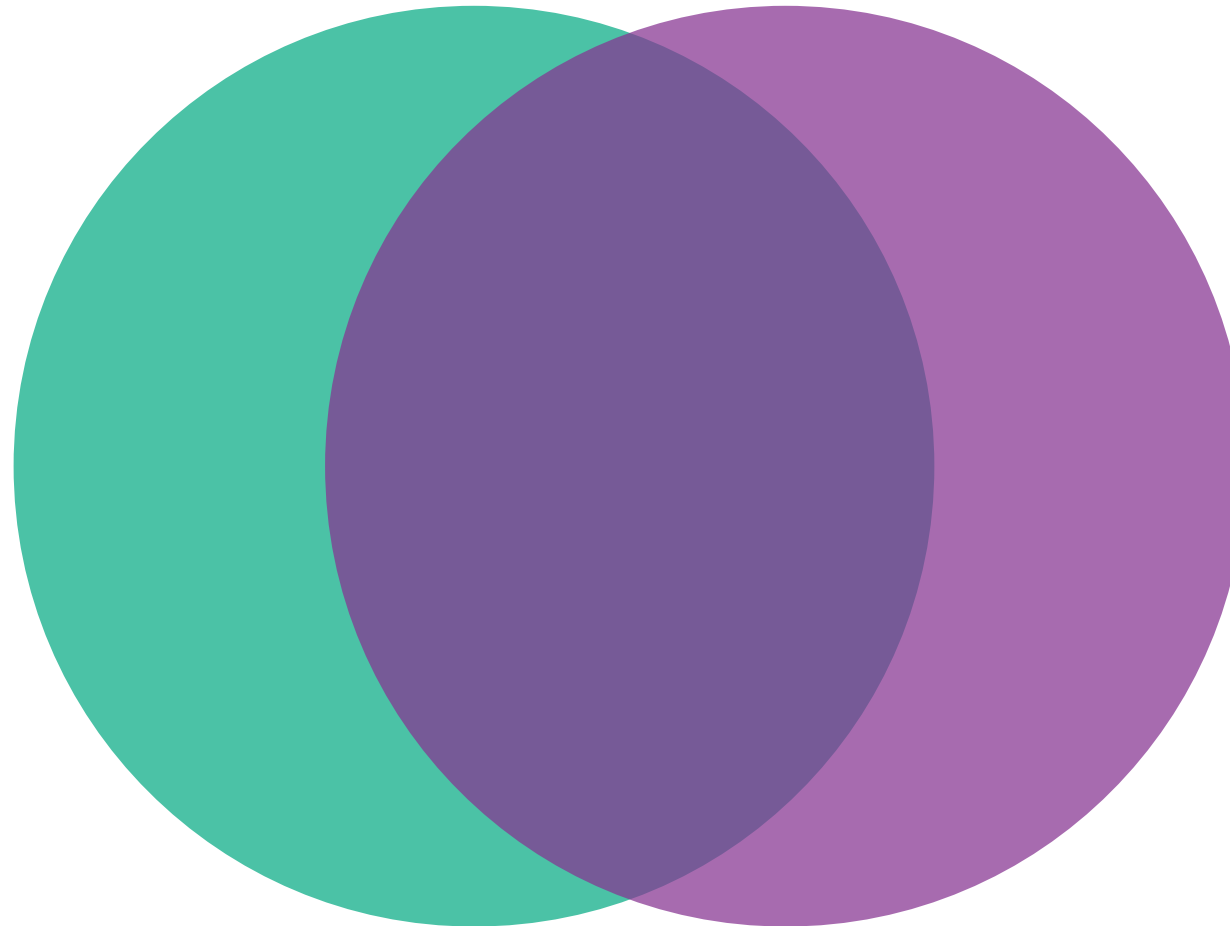
# The Convergence Of Two Worlds



## Networking

Reliability and  
Performance

VP Network  
Infrastructure



## Security

Protection

Chief Information  
Security Officer

Zero Trust: Never Trust, Always Verify!



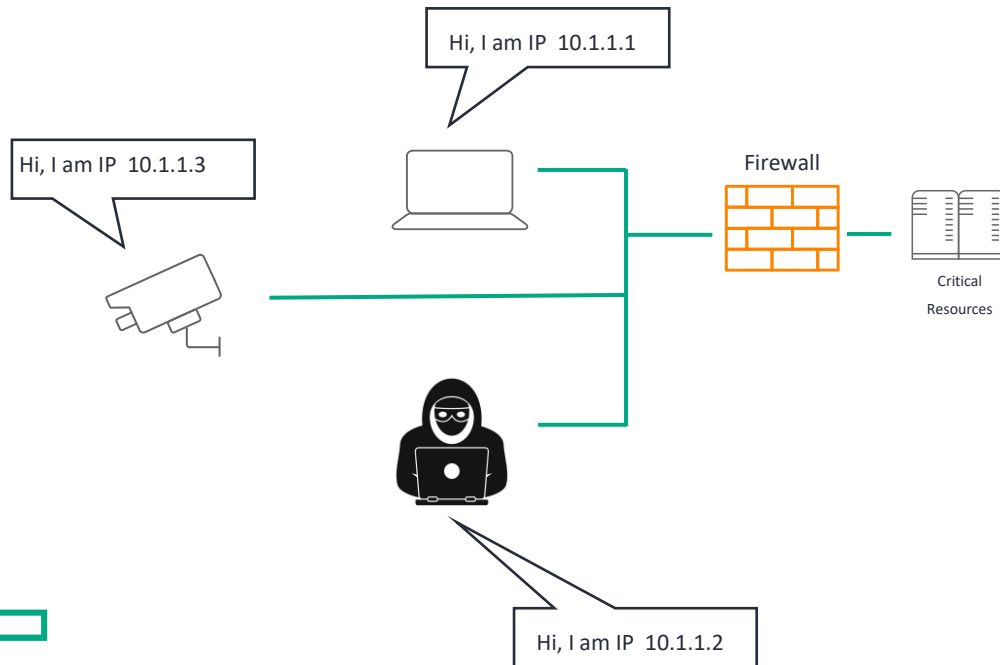
# The secure AI-native network



# Zero Trust: Who/What Are You?

## IP Addresses/Networks

- ↑ Help you create broadcast domains
- ↑ Help you create L3 network segmentation
- ↑ May give you an idea where the connected device is located at
- ↑ Allow Macrosegmentation
- ↓ Tell you nothing about who/what is connected to the network
- ↓ Won't allow you to secure devices in the same network amongst themselves



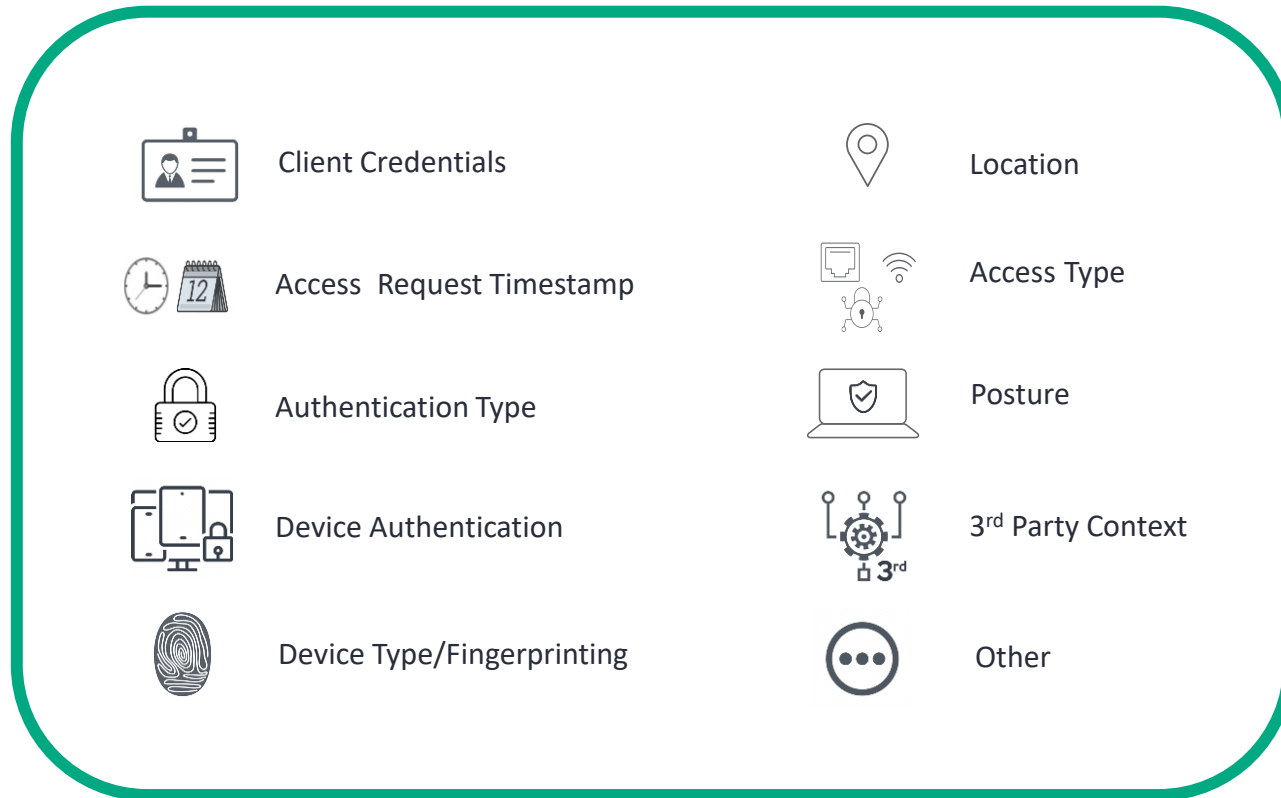
## Client Directory Credentials

- ↑ Help you identify a user
- ↑ May help you define some access privileges per user
- ↓ Won't give you a full picture of what is actually trying to access the network
- ↓ May be hard to implement in IoT devices
- ↓ May be compromised



# Zero Trust: Who/What Are You? – Access Context

## Access Request Context

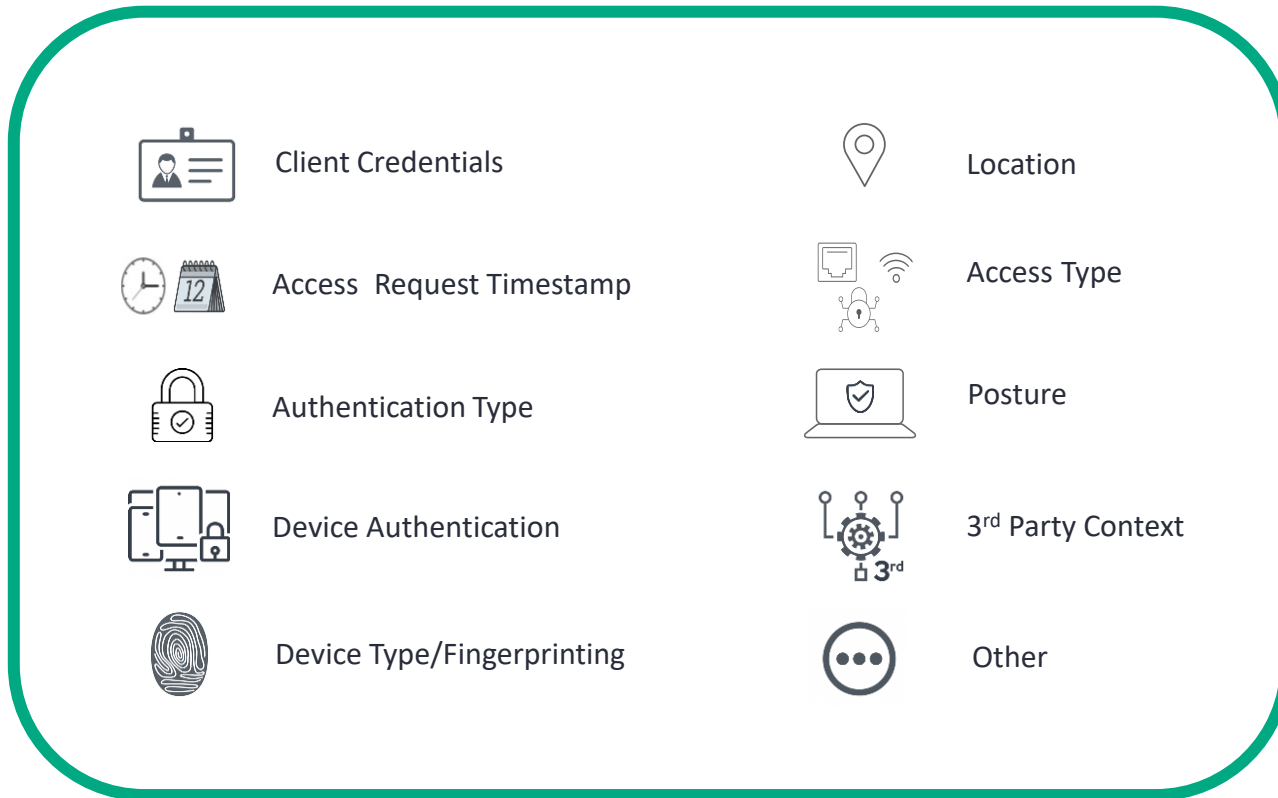


For **Network Access Privilege** definition your **Identity** should be more than just your credentials.  
It should be **enriched by all your access access request context and conditions**



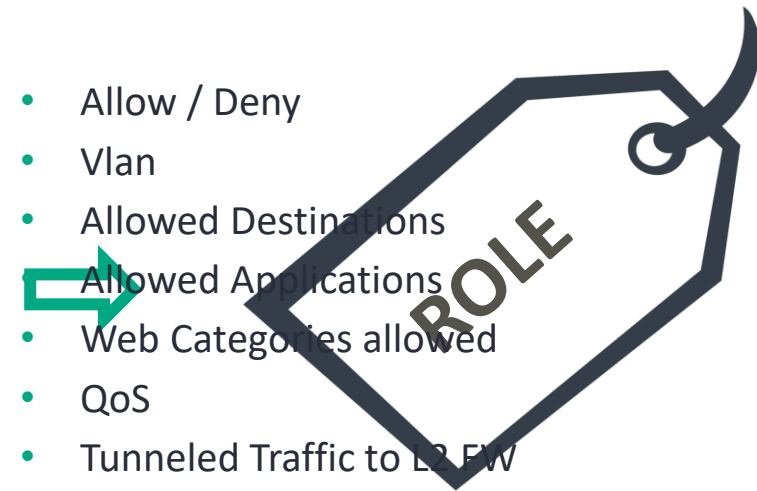
# Zero Trust: Role Maps To Enforcement Rules

## Access Request Context



## Access Policies

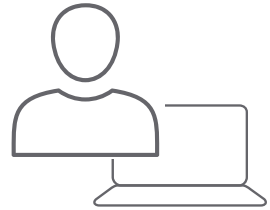
- Allow / Deny
- Vlan
- Allowed Destinations
- Allowed Applications
- Web Categories allowed
- QoS
- Tunneled Traffic to L2 FW
- Redirect to Quarantine
- Firewall Ruleset
- ...



For **Network Access Policies**, switches and gateways should have more than just security credentials. It should be enriched by **many segmentation mechanisms, context and conditions**

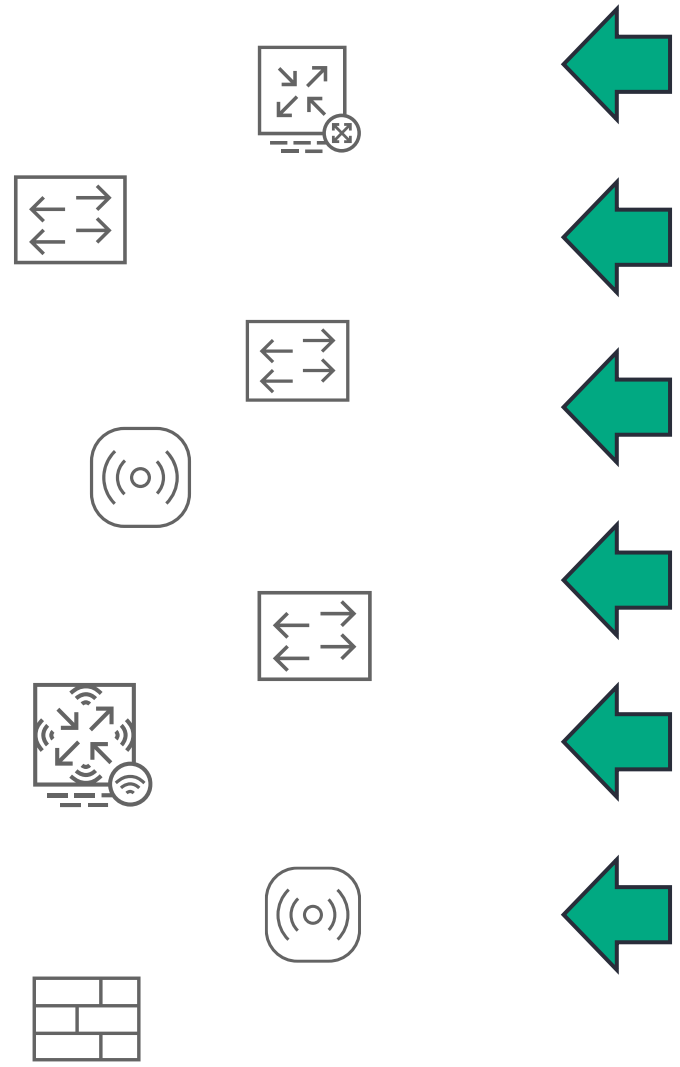


# How do I configure access policies/privilege aka roles?

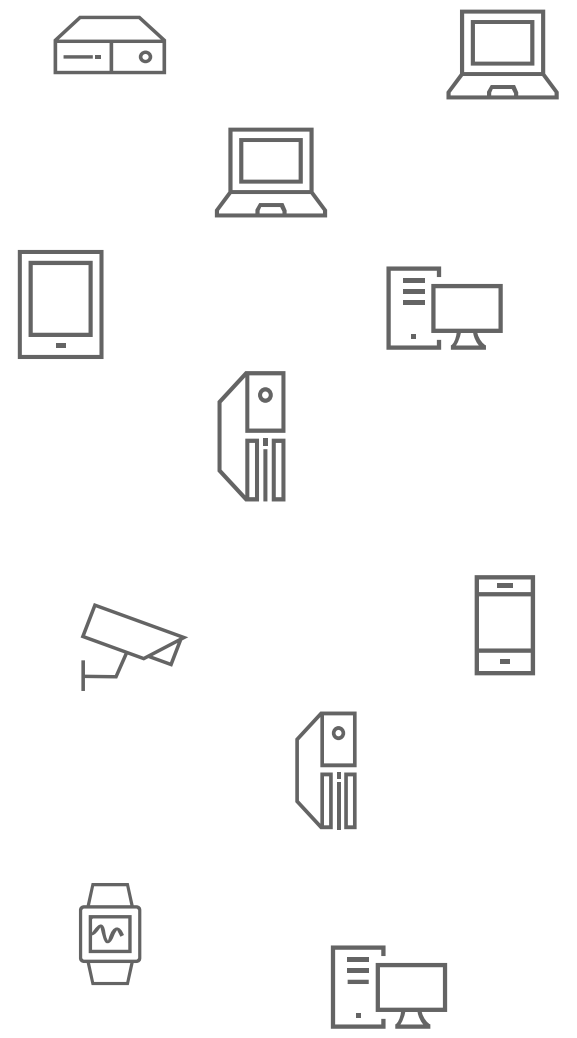


Network Admin

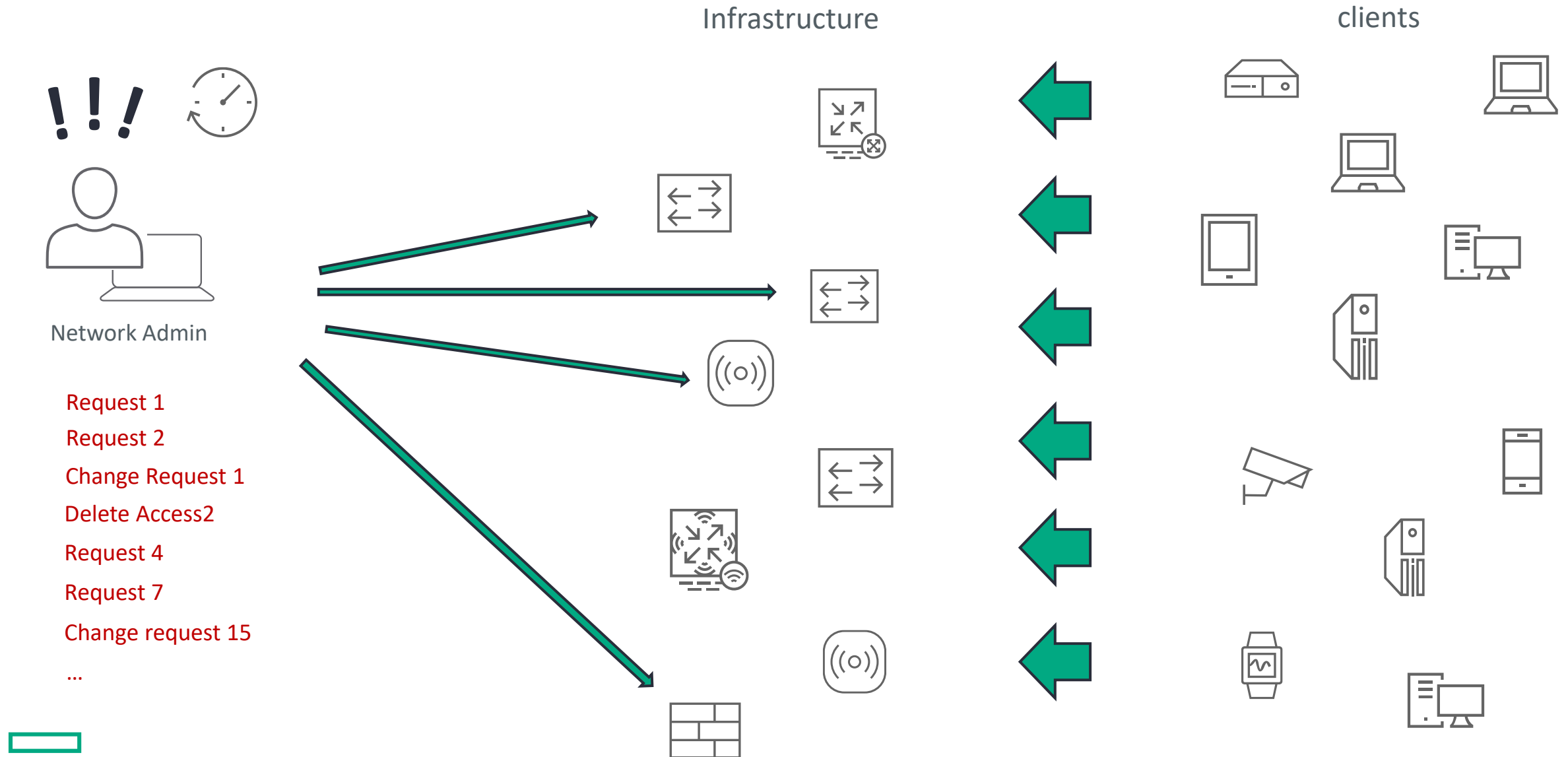
Infrastructure



clients



# How do I configure access policies/privilege aka roles?

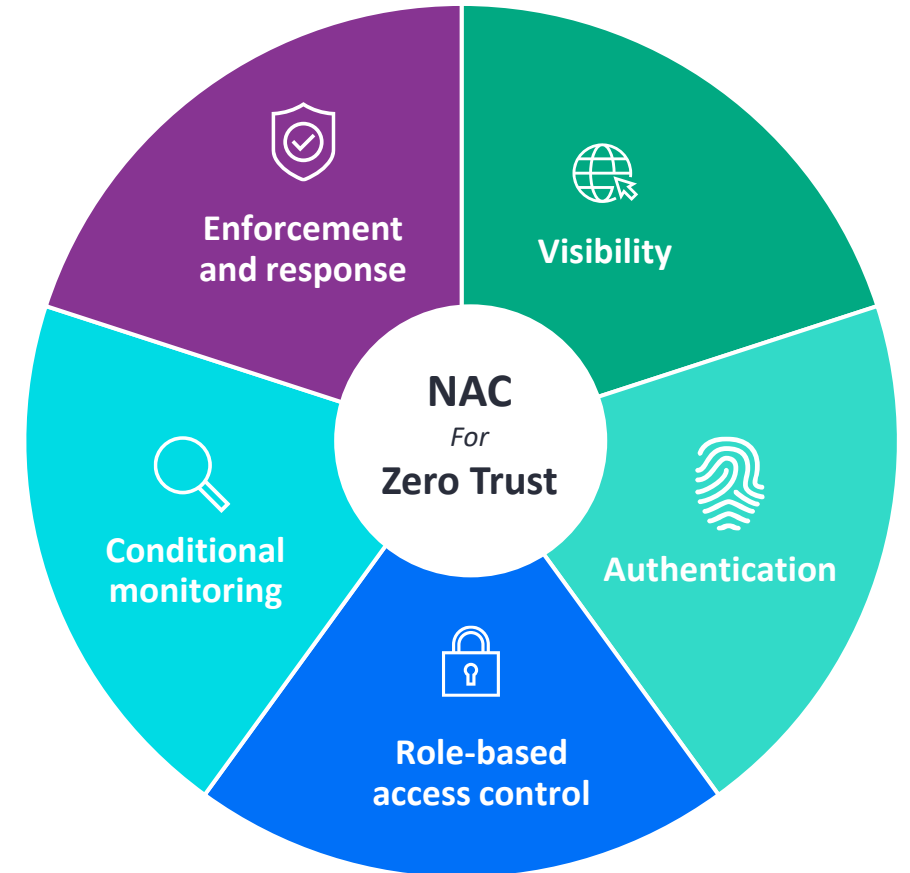
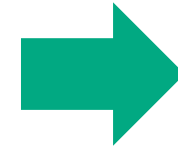


# Role of Network Access Controller (NAC)

*Network Access Control is a critical component of Zero Trust Networks*

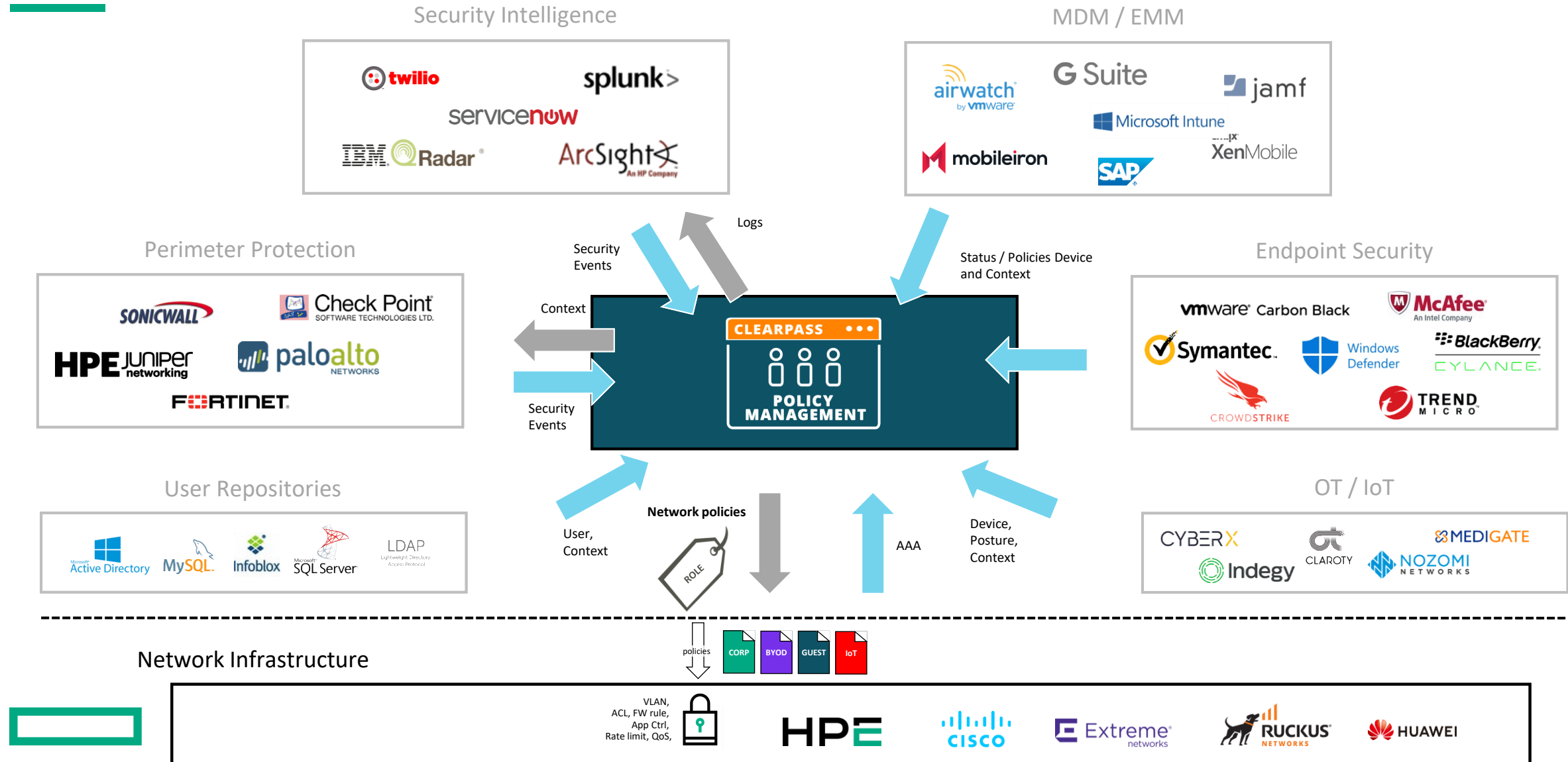


- Network access controls (NAC) governs access to the network, effectively controlling communication with other assets.
- Much like a bouncer at a party, NAC controls who comes into the network **and watches them to make sure they're well behaved.**
- The NAC is your Network Access Automation tool centralizing and keeping your access rules consistent across the network

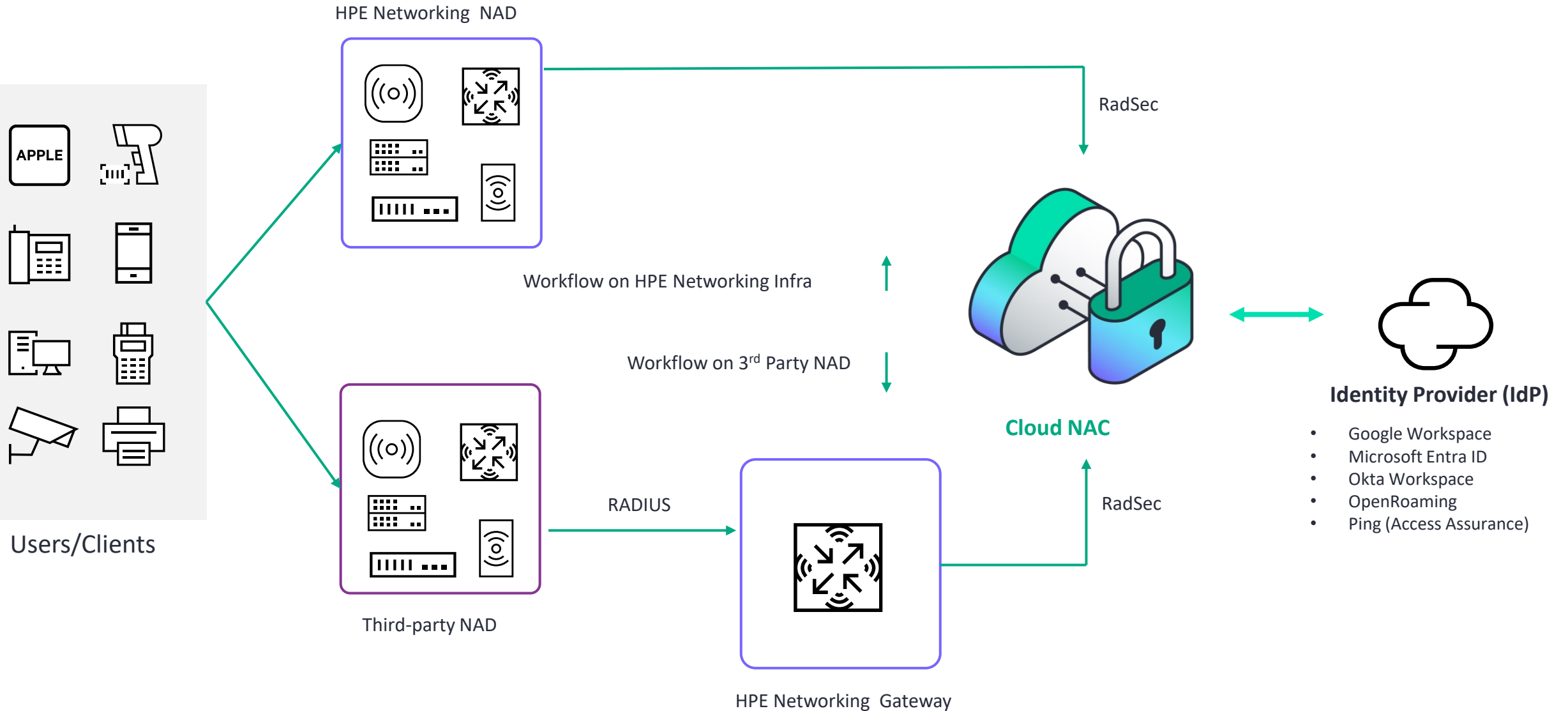


# HPE ClearPass Policy Manager - NAC

## AAA, Role assignment Automation and Security Orchestration



# How do cloud NAC solutions work?



# HPE Networking Cloud NAC



Security policies for **wired and wireless**



Simplified configuration, management, and monitoring



Seamless and secure **visitor (guest) access**



Support for various **Authentication methods:**

- EAP-TLS
- MAC Auth Bypass,
- MPSK - named and passphrase (limited to 5K)
- 802.1X – wired/wireless,
- Captive Portal – with customization



Role based authorization – context derived from **Client Insights**, category, groups.



Robust Authentication, Authorization, and Guest Access delivered via Cloud



Integration with **multiple IDPs**

- Microsoft Entra ID
- Google Workspace
- Workforce Identity Cloud
- ...



**Third-party NAD** support



Support for **Bring-your-own CA/Certs (BYOC)**



Supports **granular authorization policy** with more context parameters



Support for **unlimited MPSK**

Included in Network Infra subscription

Premium NAC subscription



**Ease of implementation**

Intuitive UI – easy to use  
Very short learning curve for IT teams



**Cost saving**

No hardware - buying, deploying, or maintaining



**NAC at no extra cost**

NAC core functions included in Central Foundation License



**Enterprise scalability and uptime**

Leverages cloud scalability and high uptime redundancy



**ClearPass trust**

Developed by the same ClearPass team trusted by customers & analysts across the globe

# HPE Networking NAC offerings adapted for your need



## ClearPass Policy Manager (CPPM)

- Delivered as software, can be deployed on-premises or as cloud appliance.
- Integrated with Central for client device profiling,
- ~150 partners for integrations
- High flexibility and customization
- On-premises control over security and data.
- Vendor Agnostic
- EDUROAM integration available



## Cloud NAC solutions

- Delivered **as a service (aaS)**, part of HPEN **Cloud Platform**
- increasing number of ecosystem integrations
- Integrating AI Features
- Targeted for cloud-friendly customers looking for easy to operate, easy to maintain NAC solution
- Simpler Use Cases for now
- Third party integration as Radius Proxy
- EDUROAM integration by end of 2026



# HPÉ

# Obrigado!

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