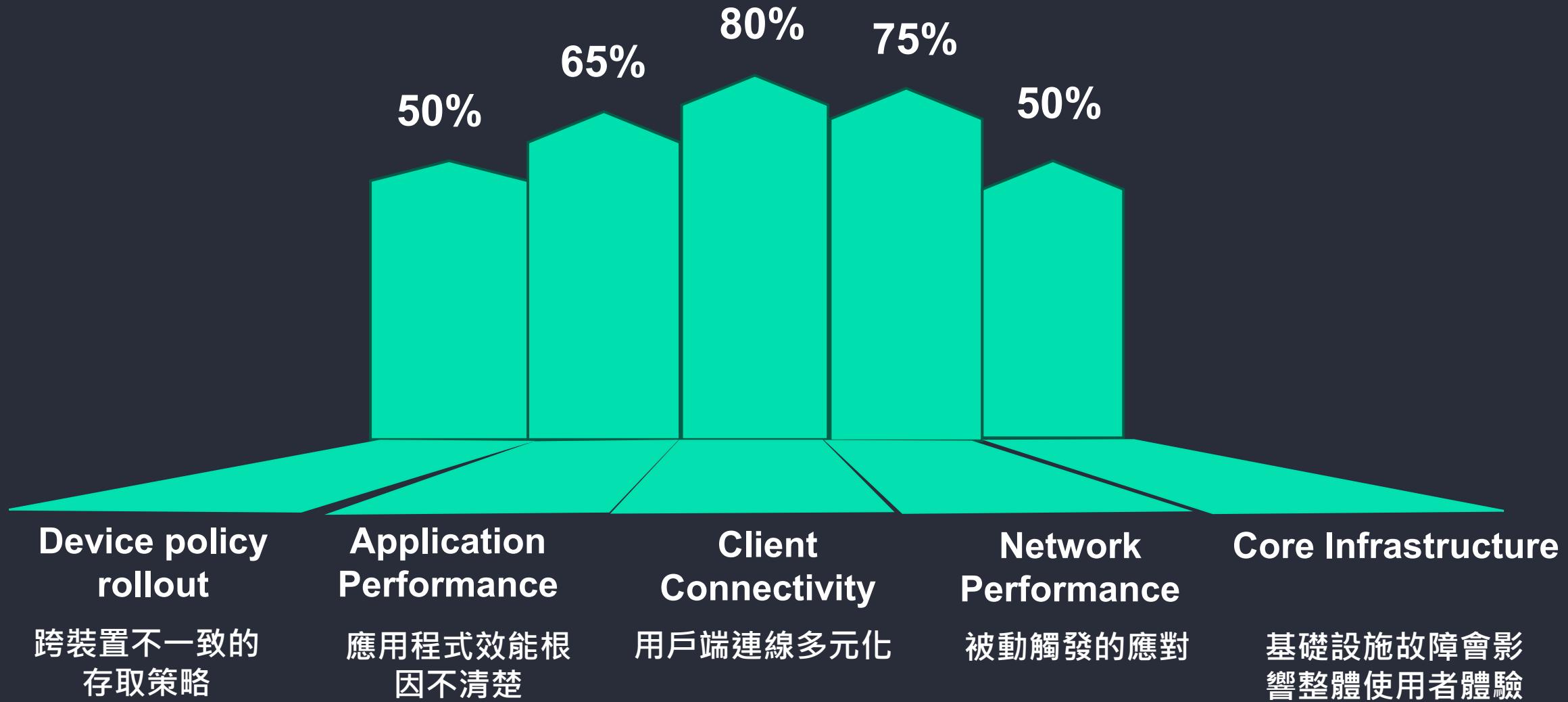


善用 HPE Aruba Networking Central 的 GenAI 智慧助理，讓網路管理更聰明

Alex Chen 陳清淵 副總經理, HPE 網路事業群

October 16, 2025

The hardest-to-solve problems today



What value do customers see



¹ Gartner, Innovation Insight: AI Networking Has the Potential to Revolutionize Network Operations, Jonathan Forest, Andrew Lerner, Tim Zimmerman, May 15, 2023

² Eastnets, Reducing false positives using contextual AI

Move on from solving Network sucks problem



Pain-points

- 傳統網路是被動的，依賴於人
- 警報太多，哪一個真正重要
- IT團隊面臨壓力，事半功倍

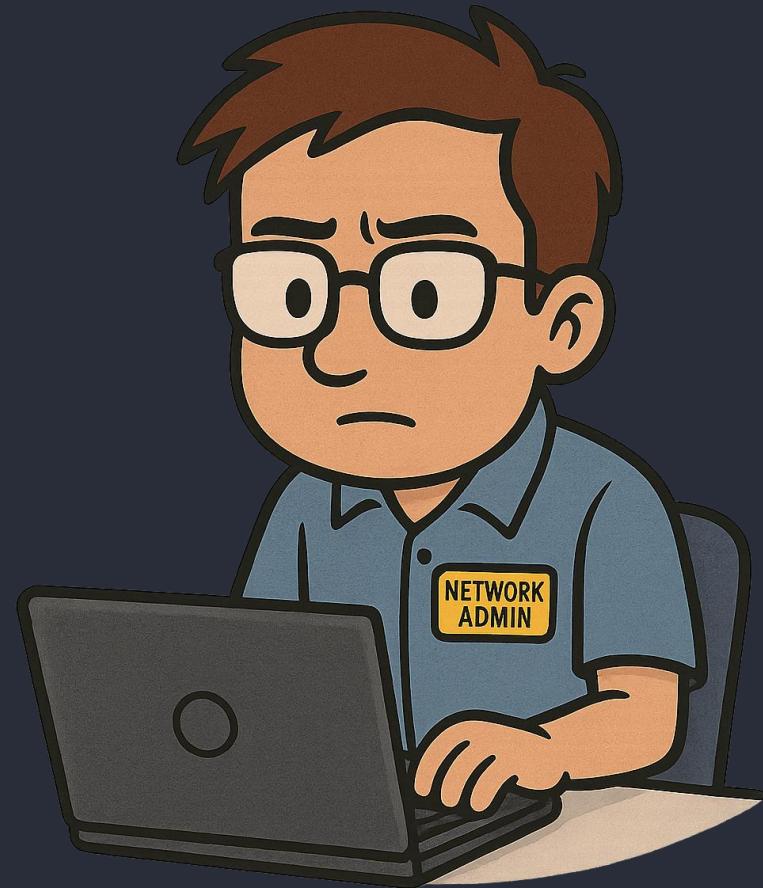


Bob

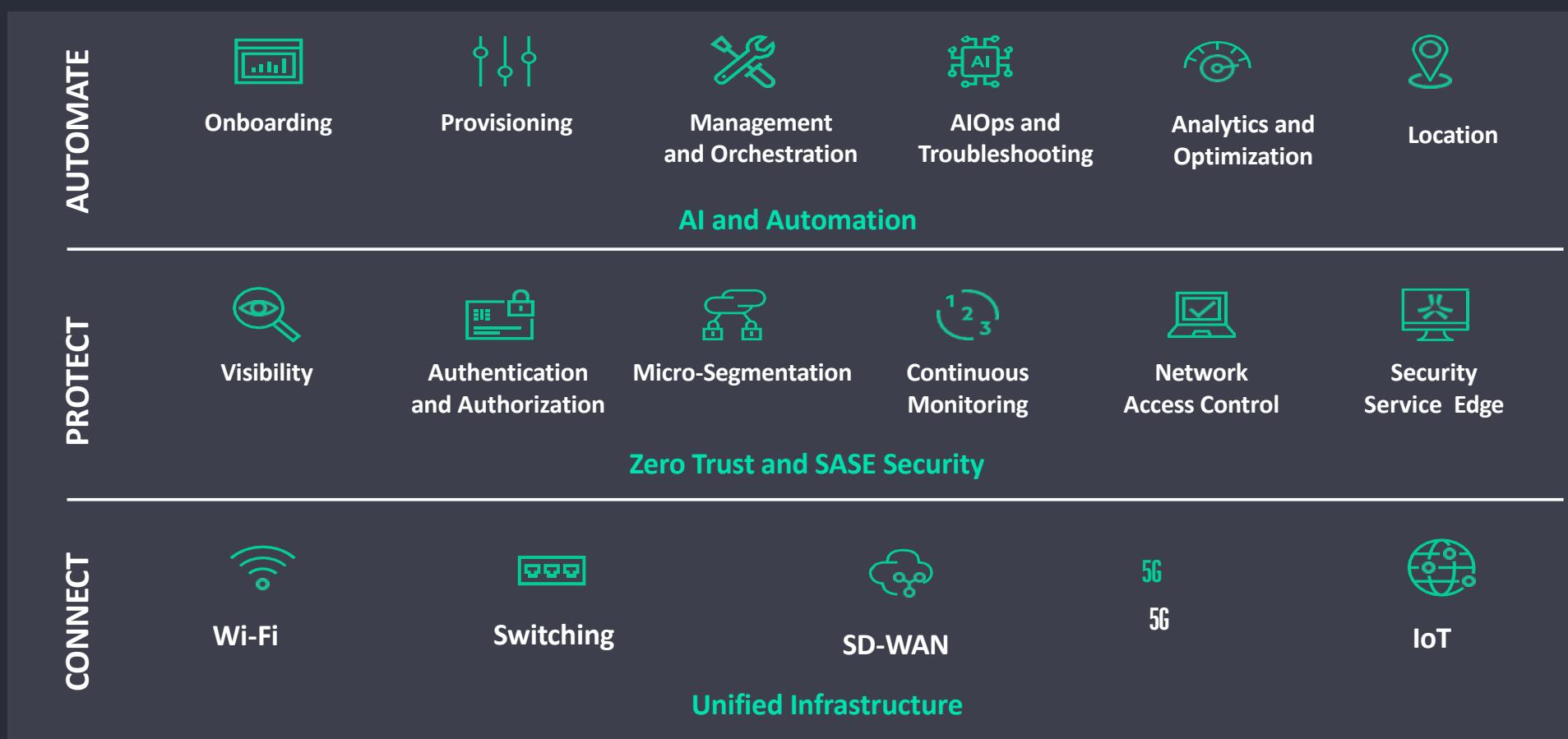


Interesting data points

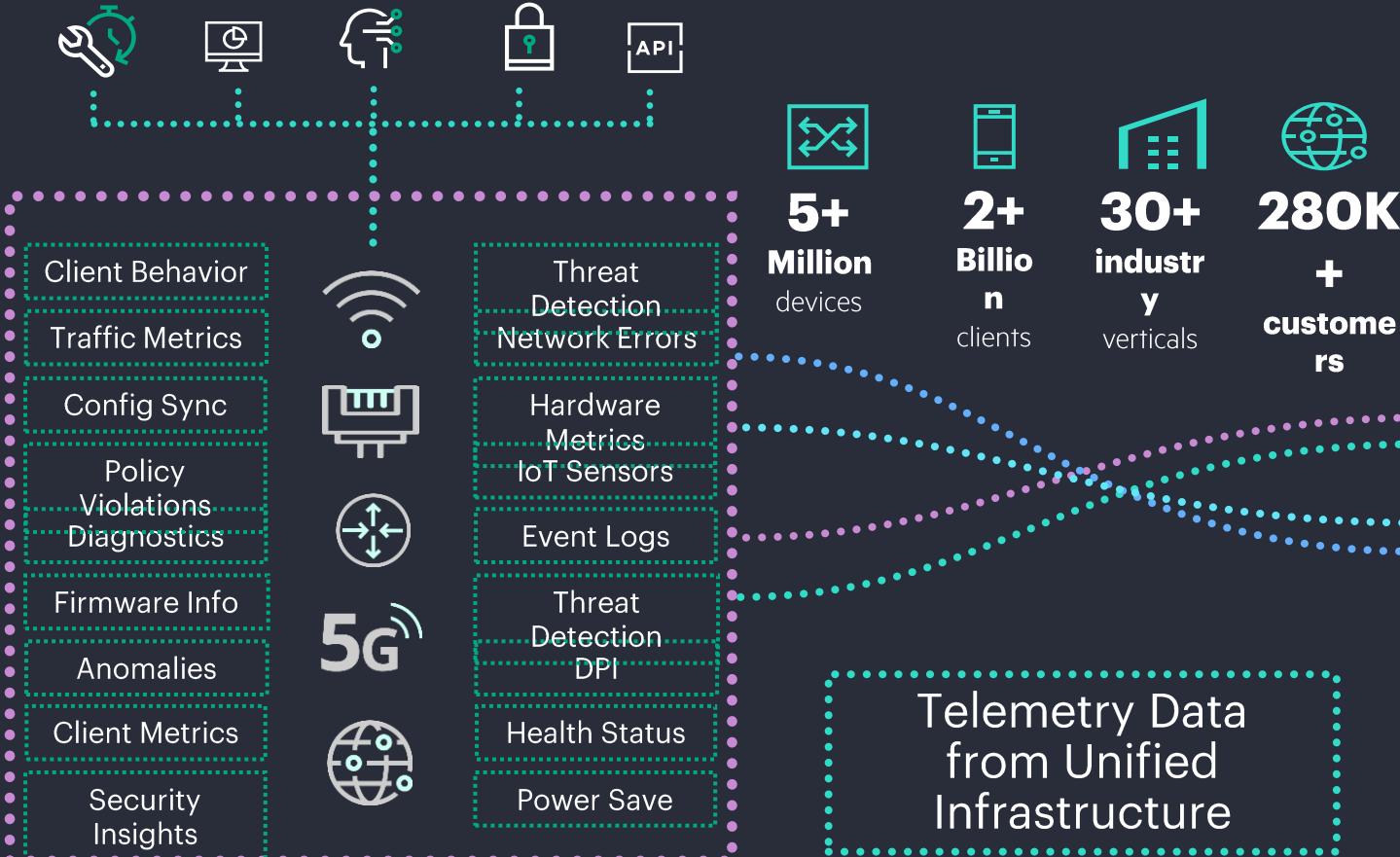
- 43% 的時間花在故障排除上
- 70%的網絡問題首先由用戶報告
- 企業每月收到 4000+ 個警報——85% 是noise



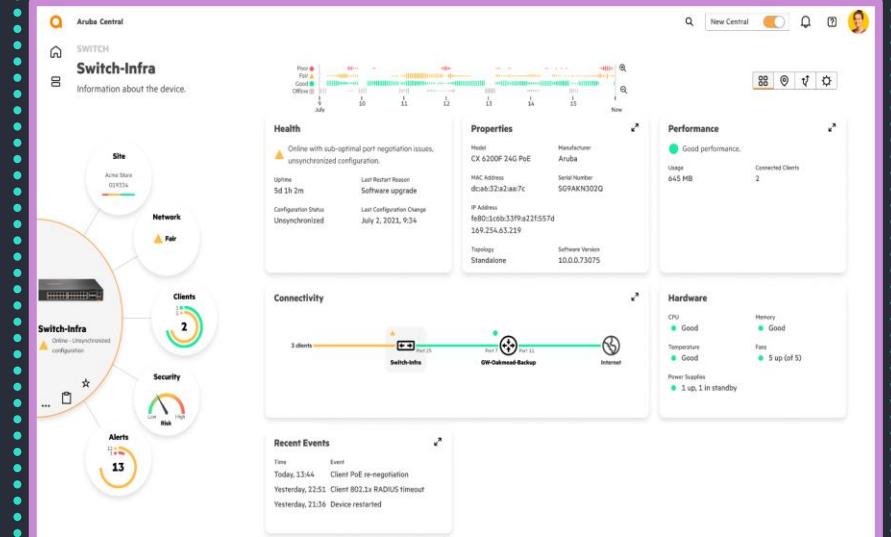
CENTRAL: SELF-DRIVING SECURE AI-NATIVE NETWORKING



AI for networking starts with DATA



AI-powered, operator-centric experience



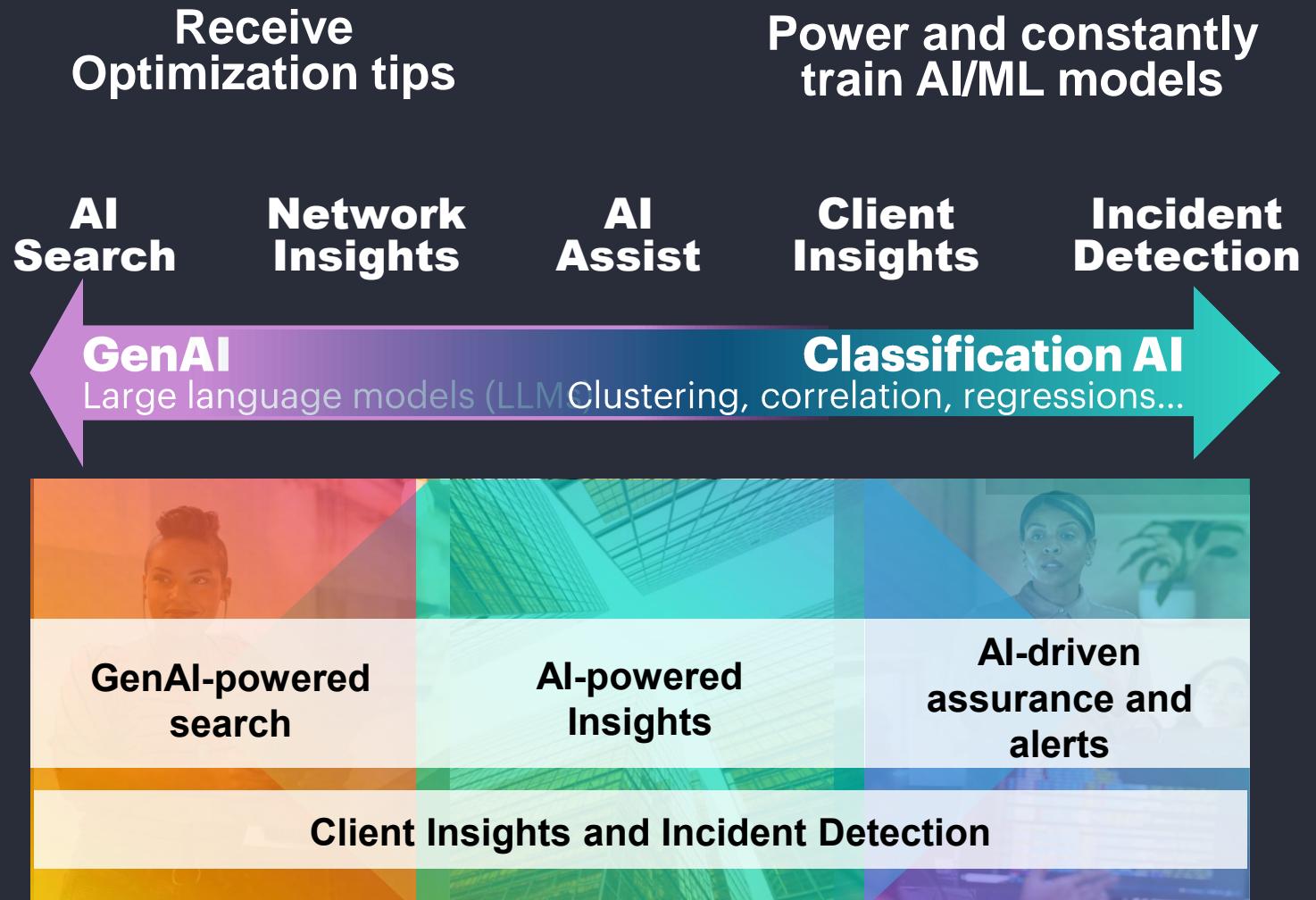
遙測 **Telemetry** 允許即時監控網路流量、設備性能和應用程序行為。這種可見性有助於及時檢測異常、性能瓶頸或安全威脅，從而及時進行干預。

Working smarter with AI 有幻覺的

發現趨勢Trend
和洞悉見解Insight



AI for Networking
in Action

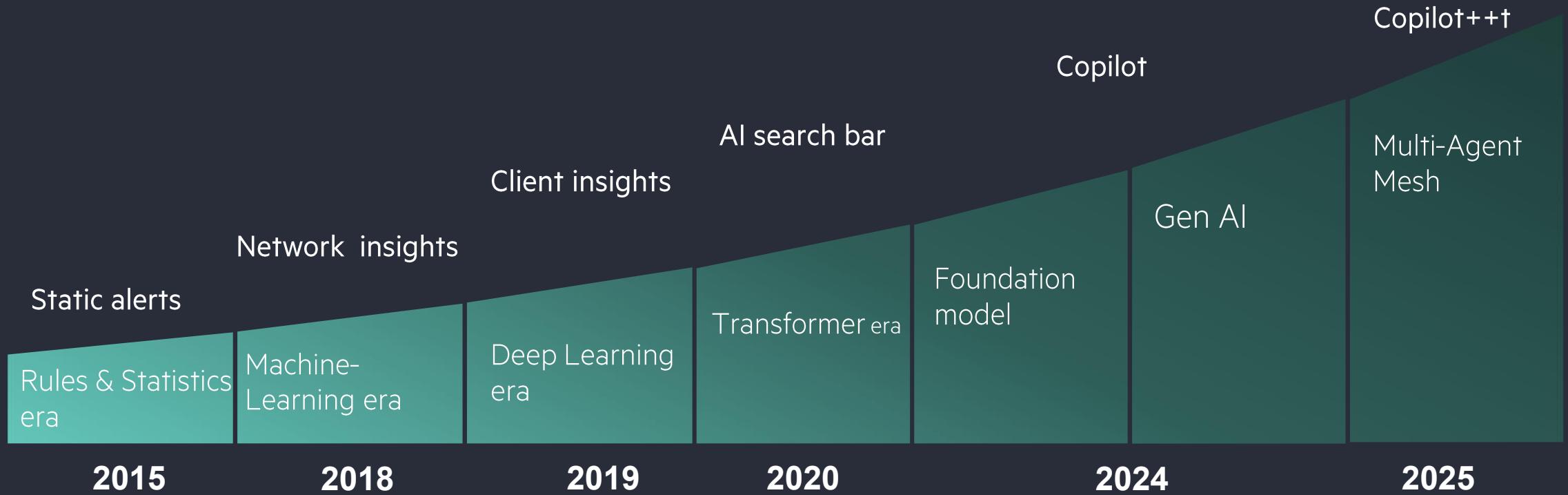


Introducing Central Agentic AI

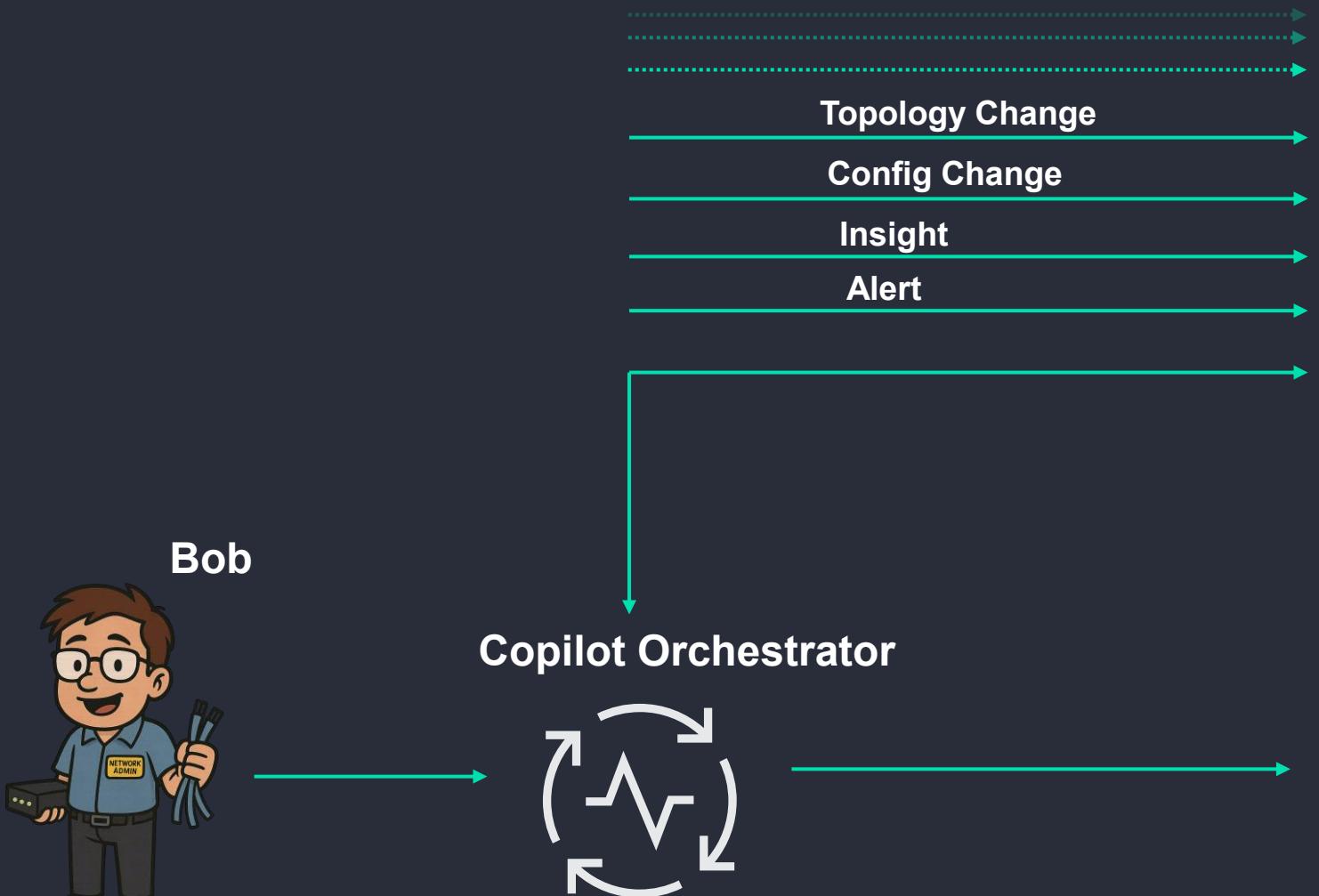
Powered by Multi-Agent AI



Evolution of AI



What changed with agentic AI



Autonomous Orchestrator



Transform AI-powered Network Operations with New Agentic Mesh Technology

Agentic AI: 4-step framework to problem solving



Agentic AI 的 LEM (大型體驗模型，Large Experience Model) 在網路管理場景中主要負責感知、分析、預測以及優化終端體驗，包括無線連線品質、應用表現、IoT 設備行為以及用戶的真實互動效能。

Knowledge-base at your fingertips

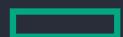
Ask about how to do a task, best practices and product support documentation



Demo #1

Documentation Query

- **Show me how to map a VLAN between AP and the Gateway**
- **Summarize new features in AOS-10 release**





GLOBAL

Network Overview



Access your network organization, configuration and operations from a single pane of glass.

Sites

Sites by health.

Remote-Edge-To-Cloud

4 devices are offline.

Singapore CIC

High 2.4 GHz channel utilization impacted 1 device.

Santa Clara Outlet

3 devices are offline.

TechPlayGround-Singapore

DNS Server Failed to Resolve Domain on 1 wired client.

MicroBranch-Edge-To-Cloud

There are no devices in this site.

⌚ Updated every 2-5 min (08/31/2025, 9:24 PM)

Alerts

Active alerts aggregated into categories.

Categories

Alerts

Client

0

Device

24

LAN

0

WLAN

1

Administration

0

Insights

Recommendations for optimizing performance.



Insight

Sites

Access Point Firmware Recommendation

2

Switch Firmware Recommendation

2

Enable WPA3 for Better Security

1

Enable 6 GHz Radio with Optimal Bandwidth

1

Wireless Client Onboarding Experience

1

3 more Insights

Device Health

Device type and its health.

Device Type

Health

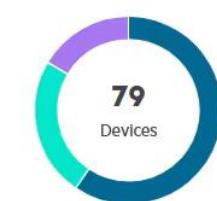
Access Points 3 14

Switches 3 4

Gateways 2 5

Device Inventory

Device distribution and activities.



Require Site Assignment

50

Added in the Last 7 Days

0

Licenses

License consumption across managed devices.

Foundation

Licenses

547

Advanced

1206

Other

30

Assigned ■ Available ■

Converse with *your*
network



Demo #2

Know your Network

- **What you done and status**

Health Query

- **Summarize any switch health alerts**
- **Conversational Follow-ups**



Networking Copilot

Conversations



Roaming authentication failures on BLR...

List gateways and paths at Roseville site

Authentication Failures During Roaming

Resolving authentication failures during...

Roseville Site Gateway Cluster Connectivity

Resolve roaming issues for specific devices

Roseville Site Gateway Cluster Connectivity

Roseville Site Cluster Gateway Details

Roaming Authentication Failures Resolution

Roseville Site Gateway Connectivity



Hi, Divya

Agentic-Mesh Actions

Client authentication failures during roaming affecting 46 mobile devices

Clients experiencing high latency due to restrictive bandwidth contracts.

What's New in a Release

Summarize new features in [firmware AOS-10 release 10.7.2.0](#)

How to Configure Your Network

Show me how to [map a VLAN between AP and the Gateway](#)

Summarize Network-Related Queries

Which gateways are causing gateway joined cluster alert and can you provide the connectivity path for it?

Trending Issues Reported to TAC

Are there any known roaming issues reported with [Spectralink devices](#)?

Deep Data Questions

Enter a prompt here



Networking Copilot

Conversations



New Features in AOS-10.7.2.0 Firmware

Aruba Network VLAN Configuration Guide

AOS-10.7.2.0 new features

New features AOS-10 release 10.7.2.0

WIFI Network Health Assessment

New Features AOS-10 Release 10.7.2.0

New Features In AOS-10.7.2.0

New Features In AOS-10.7.2.0

Mapping VLANs In Aruba Network



Hi, Budhaditya

Agentic-Mesh Actions



No pending actions



What's New in a Release

Summarize new features in **firmware AOS-10 release 10.7.2.0** 

How to Configure Your Network

Show me how to **map a VLAN between AP and the Gateway** 

Summarize Network-Related Queries

Which gateways are causing gateway joined cluster alert and **can you provide the connectivity path for it?** 

Trending Issues Reported to TAC

Are there any known roaming issues reported with **Spectralink devices?** 

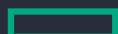
Deep Data Questions

Can you publish a **list of clients with SNR > 30 in the last 24** 

Enter a prompt here



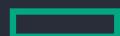
Agentic AI reasons, root-causes, and remediates



Demo #3

Support Query

- **Are there known roaming issues with Spectralink devices?**
- **Application issue**



Networking Copilot

Conversations



Spectralink device roaming issues in...

Summarize switch health alerts

New Features In AOS-10.7.2.0 Firmware

Aruba Network VLAN Configuration Guide

AOS-10.7.2.0 new features

New features AOS-10 release 10.7.2.0

WIFI Network Health Assessment

New Features AOS-10 Release 10.7.2.0

New Features In AOS-10.7.2.0

Issue Summary

Based on the provided information, there are known roaming issues reported with **Spectralink devices** in Aruba network environments. The primary concerns involve **fast roaming capabilities**, **802.11r (Fast BSS Transition)** functionality, and **Intermittent disconnections** during roaming events. Specific issues include:

1. Fast roaming capability information missing for clients on certain AP models (735 and 734) when 802.11r is enabled.
2. Spectralink 8440 phones experiencing association difficulties with AP-515 models, resulting in frequent disassociations.
3. Choppy voice quality and brief periods of unusability during roaming events for Spectralink 9540 phones.
4. Failed fast roaming attempts due to missing PMKR1 (Pairwise Master Key R1) on target APs.

These issues appear to affect various Aruba hardware and software versions, including AOS 8.x and AOS 10.x environments. The problems seem to be intermittent and can impact voice quality and overall device usability during roaming events.

Conclusion

To troubleshoot and potentially resolve these Spectralink roaming issues, focus on gathering detailed information about the roaming process and client behavior. Start by examining the AP and client association status using `show ap association` and `show clients debug`. For AOS 10.x environments, also utilize `show ap debug client-table` to view detailed client information. To investigate authentication and key management issues, use `show auth-tracebuf` to review authentication traces. For AOS 8.x systems, `show datapath session verbose` can provide insights into client session details. Additionally, verify RADIUS server connectivity with `show aaa authentication-server radius` if 802.1x authentication is in use. These commands will help identify potential causes of the roaming problems and guide further troubleshooting efforts.

Is this helpful?



Enter a prompt here



Networking Copilot

Conversations



Current Conversation

Spectralink device roaming Issues In...

Summarize switch health alerts

New Features In AOS-10.7.2.0 Firmware

Aruba Network VLAN Configuration Guide

AOS-10.7.2.0 new features

New features AOS-10 release 10.7.2.0

WIFI Network Health Assessment

New Features AOS-10 Release 10.7.2.0

Thinking • •

Step 1: Using SearchAgent to answer user query

Step 2: I'll check for application latency issues across the network.

Step 3: No applications with latency issues were found. Let me check if there are any active alerts related to application performance.

Step 4: Let me check if there are any applications being used on the network that I can analyze for latency issues.

Step 5: I see there are applications in use, but no reported latency issues. Let me check one of the top applications to see if there's any latency data available.

Step 6: Let me try another application:

Step 7: Let me check if there are any site-wide performance issues that might be affecting applications:

Step 8: Let me check another site to see if there are any application latency issues there:

Step 9: Let me check one more site:

Step 10: Let me check if there are any clients experiencing poor application performance:

Is there any application latency issues



Enter a prompt here



Networking Copilot

Conversations



Summarize switch health alerts

New Features in AOS-10.7.2.0 Firmware

Aruba Network VLAN Configuration Guide

AOS-10.7.2.0 new features

New features AOS-10 release 10.7.2.0

WIFI Network Health Assessment

New Features AOS-10 Release 10.7.2.0

New Features In AOS-10.7.2.0

New Features In AOS-10.7.2.0

Hi, Budhaditya

Agentic-Mesh Actions



No pending actions

What's New in a Release

Summarize new features in **firmware AOS-10 release 10.7.2.0**

How to Configure Your Network

Show me how to **map a VLAN between AP and the Gateway**

Summarize Network-Related Queries

Which gateways are causing gateway joined cluster alert and **can you provide the connectivity path for it?**

Trending Issues Reported to TAC

Are there any known roaming issues reported with **Spectralink devices?**

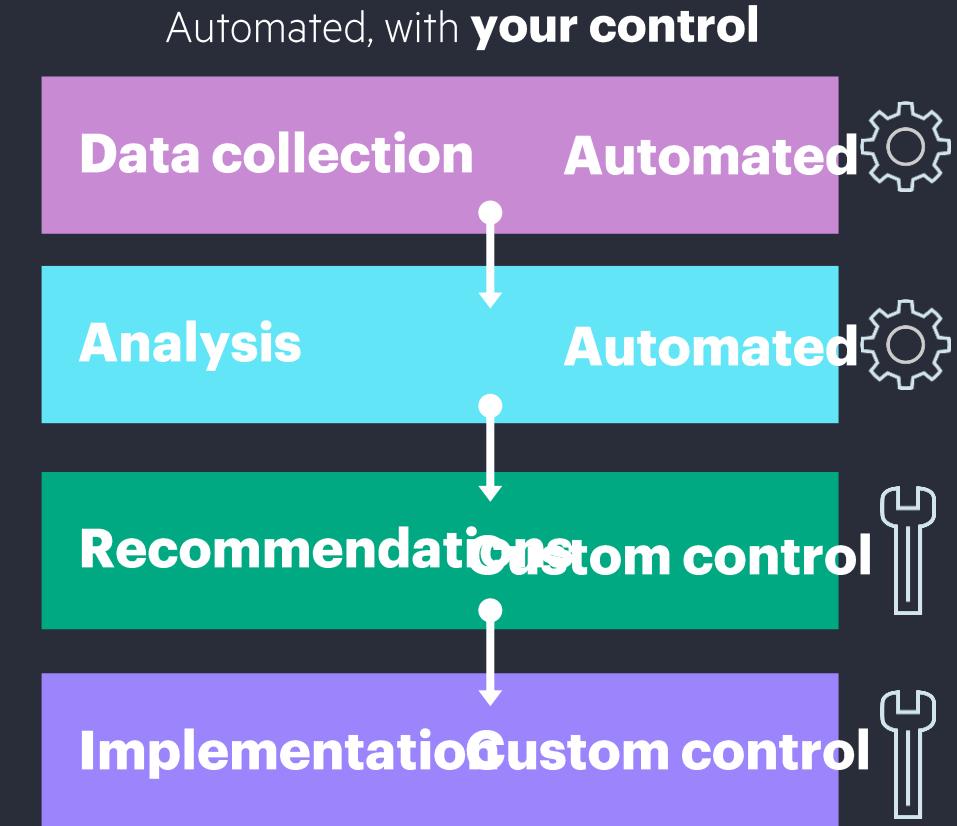
Deep Data Questions

Can you publish a **list of clients with SNR > 30 in the last 24**

Enter a prompt here



Our approach to Security-first, AI-powered networking



辨識分類、行為分析、異常偵測與大規模動態策略部署

Crowd-sourced classification
透過網路平台分類資料

Behavior analysis
行為分析

Network anomaly detection
偵測不正常流量

Policy recommendations
AI 系統會自動生成策略建議

The screenshot shows the HPE Aruba Central NAC configuration interface. The left pane displays a list of policies under the 'Global' tab, including 'Corporate users', 'uncompliant employees', 'unmanaged employees', 'cameras', 'generic IoT', 'generic registered devices', 'generic MAB', 'Deny All', and 'Deny All' (Default deny for unauthorized requests). The right pane shows a detailed view of the 'cameras' policy, with fields for 'Name' (cameras), 'Description' (control our IoT cameras with a restricted Role), and 'Conditions' (Authentication Type: MPSK, Authentication Source: MAC Address Store, Client Tags: contains any Abnormal Data Upload). The 'Actions' section is set to 'Deny Access'. A 'Save' button is at the bottom right.

Global

Central NAC
Manage network access control configuration.

Global Central NAC > Configuration > Authorization Policy

cameras

Conditions
Select the matching criteria for this rule.

Actions
Select the results to be applied to clients matching the conditions criteria. At least 1 action is required.

Allow Access

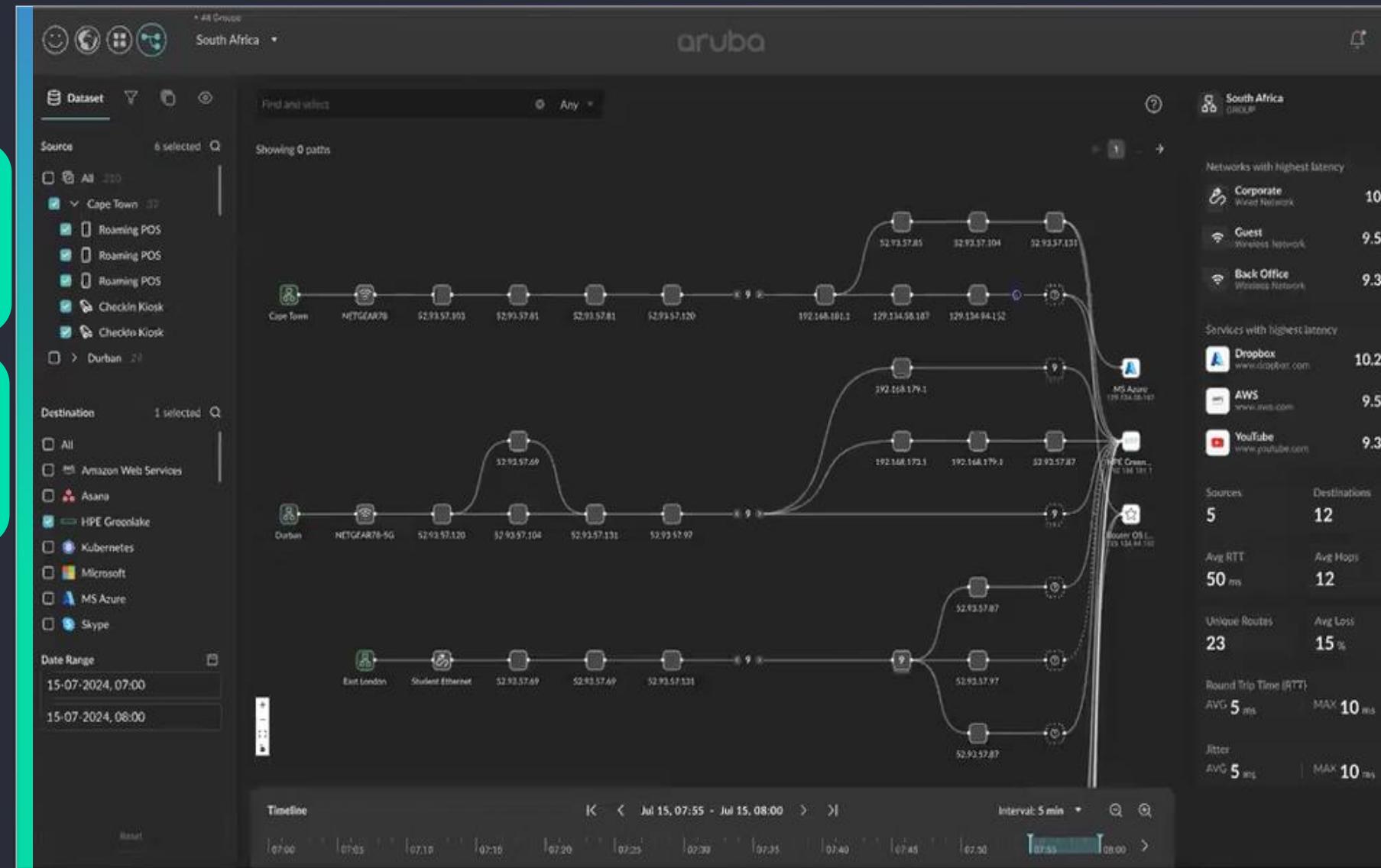
Deny Access

Save

應用程式效能驗證與可視性

使用者與應用體驗的整合視圖

透過網路路徑追蹤以實現全方位可視化



主動式網路優化

提前洞察、預先防範，
讓網路在各領域都保
持最佳狀態

提早發現 Wi-Fi 弱點，
主動優化確保全區穩
定連線

強化網路韌性，全面
提升有線連線效能

AI-Powered Network Optimization ⓘ
In depth analysis for Miami (MIA) - Branch.

Improve RF resiliency by swapping APs between switches in the stack
Improve resilience of existing topology by up to 33.0% by swapping 2 access points across 2...

Last Tuesday at 8:00 PM

Switch Firmware Recommendation
New firmware recommendation available for 3 switch(es) in the site. These upgrades provide...

Yesterday at 8:00 PM

Enable WPA3 for Better Security
Wi-Fi security will improve for up to 69% of clients for MIA-PSK by enabling WPA3.

Yesterday at 8:00 PM

Power Save Recommendation for Access Points
Power Save recommendations available for this site that can provide up to 19% energy savings...

Yesterday at 8:00 PM

Topology Improvements Summary
Make access point to switch topology resilient by swapping access points across switches. These swaps are across switches within the same stack.

Improvement in Topology

Resilience (%)

+33%

■ Current Resilience ■ Projected Resilience

Actions
Swap access point connections across switch ports. Switches and port details are provided below.

Swap Sequence	Stack	Access Point Swaps across Switches
1	BO-MIA-EGSW01	Swap access point BO-MIA-AP01 on port 1/1/1 and access point BO-MIA-AP04 on port 2/1/2

BO-MIA-EGSW01 Improvement 33% Download CSV

SUMMARY: HPE NETWORKING HELPS YOU WITH

效能優化

較佳的使用者體驗

工作效率提升

增強資訊安全

減少停機時間

利用人工智慧，事半功倍

快速找的真因

使用者行為與預測分析

Thank You

