以安全為本，打造 AI 原生網路，共創未來新局

Alex Chen 陳清淵 副總經理, HPE 網路事業群

October 16, 2025

IT 領導者正面臨巨大壓力

數位轉型
($3.4萬億)

日益增長的複雜性和規模
(34.2B)

有限的 IT 資源
(65%/62%)

安全風險
($10.5 兆)

在眾多 IT 計畫倡議中，有一項格外突出

The promise of AI

74%

的企業難以實現 AI 的價值*

Legacy, siloed IT
管理和現代化越來越困難

Data privacy and quality
重新思考資料的儲存和存取位置和方式

Rising costs and talent gaps
人才難覓用更少資源做更多事

AI infrastructure demands
超越大多數環境的設計目的

*Source: BCG, “Where’s the Value in AI?” October 2024

WHY?

3

缺乏與傳統基礎設施的整合

2

組織與技術的孤島

4

缺乏自動化

The network

1

資料品質不佳

5

基礎設施效能限制

You need a network purpose-built with AI and for AI

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What is AI-native?

AIOps:正確的數據和結果

Secure AI-native network

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What is AI-native? Why customers trust HPE AIOps

Data science expertise

Industry's largest data lake

AI models

Generative AI

Agentic AI

AIOps : 正確的數據和結果

Secure AI-native network

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What is AI-native?

SD-WAN

Wireless

Data Centre

Switching

Comprehensive portfolio

Secure AI-native network

AIOps: Right data and results

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What is AI-native?

Visibility

Policy

Integrated Security

Authentication

Continuous Monitoring

Secure AI-native network

AIOps: Right data and results

Comprehensive portfolio

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SECURITY-FIRST NETWORKING

PEOPLE
AND THINGS

DATA AND APPLICATIONS

Zero Trust, Secure
Network Connectivity

ANY PLACE

ANY ACCESS

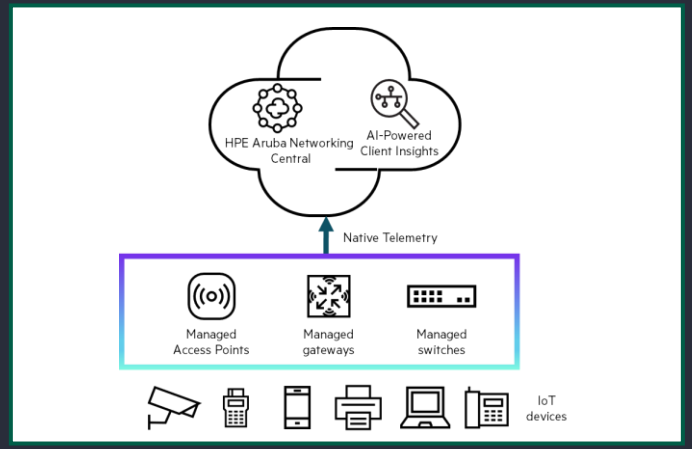
EDGE
ENFORCEMENT

CLOUD ENFORCEMENT

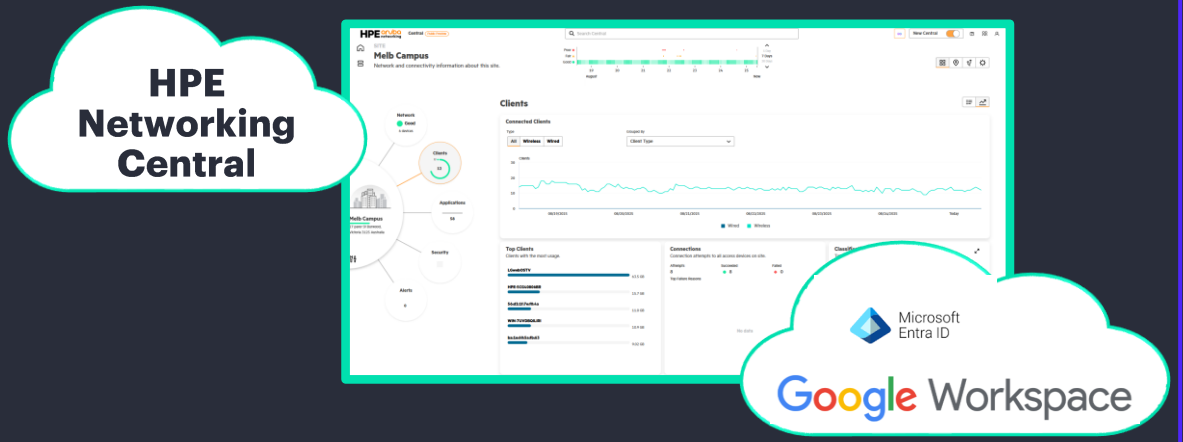
Who Can Connect
With What?

Zero Trust Security with HPE Networking

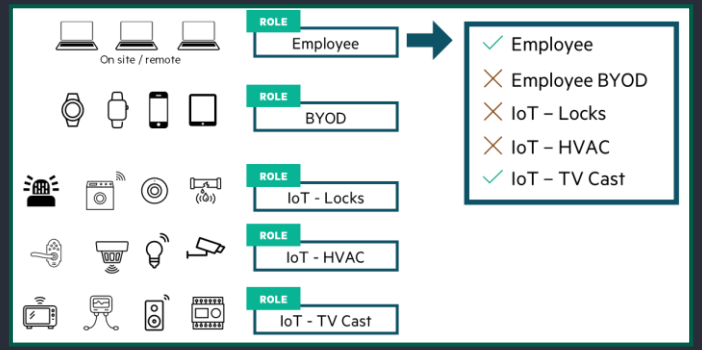
AI/ML 裝置辨識、分析與行為監視



驗證



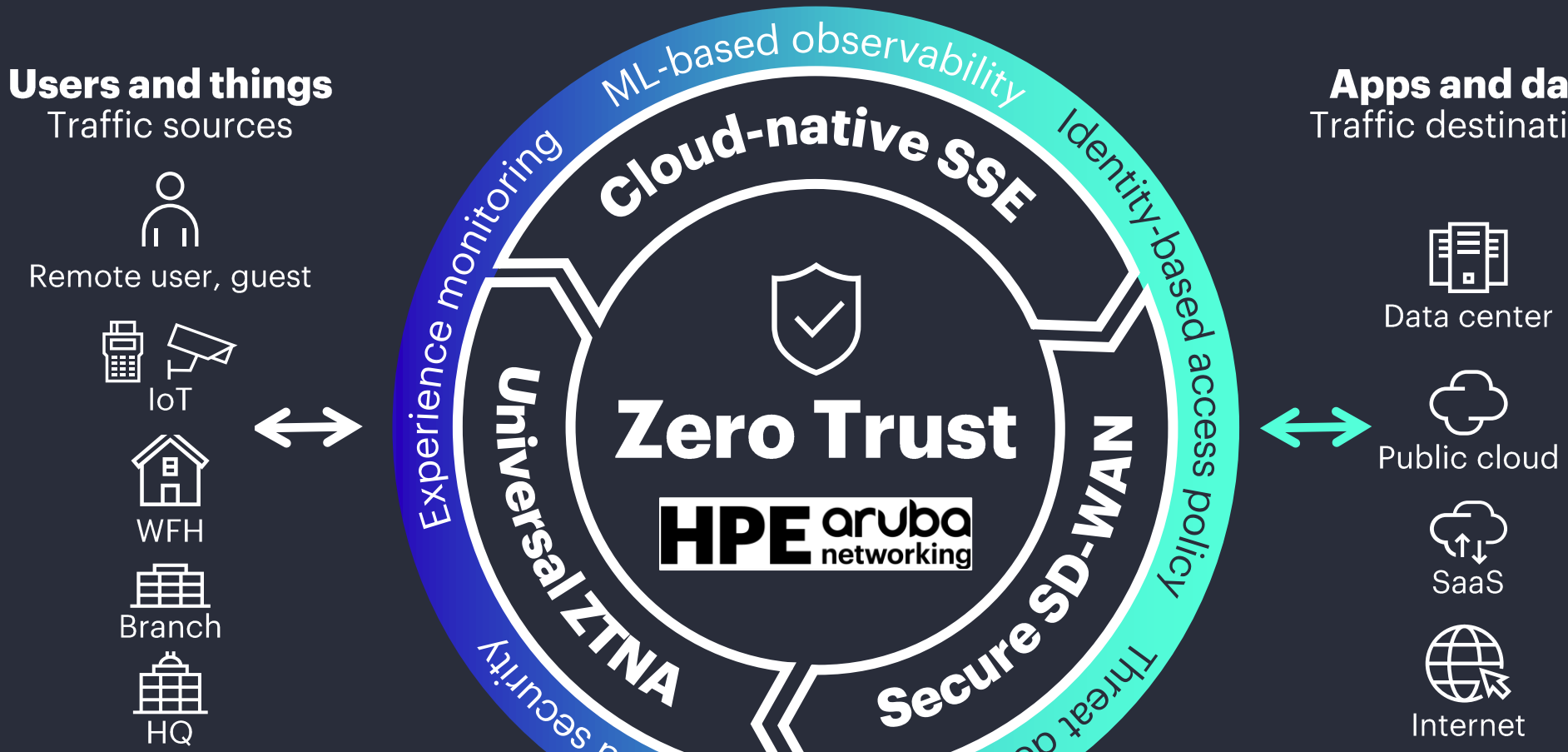
Micro-segmentation 透過全域原則引擎以角色和身分識別為基礎



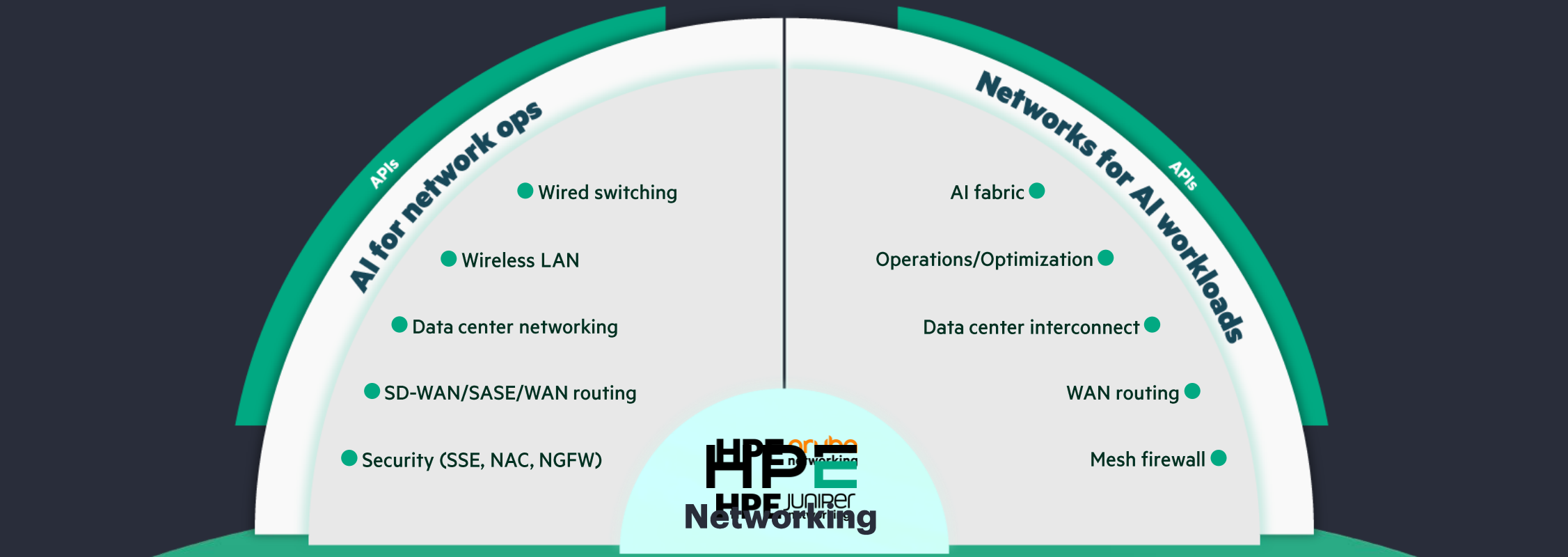
透過即時威脅遙測、IDS/IPS 和自適應 DDOS 進行持續監控

Modernize secure connectivity with a zero trust framework

Deliver comprehensive zero trust principles across users, devices, applications, and data



The Secure AI-native Network



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AI for Networks
The best AIOps

Most mature AI, agentic leader + large data lake

為客戶提供絕佳體驗和合作夥伴

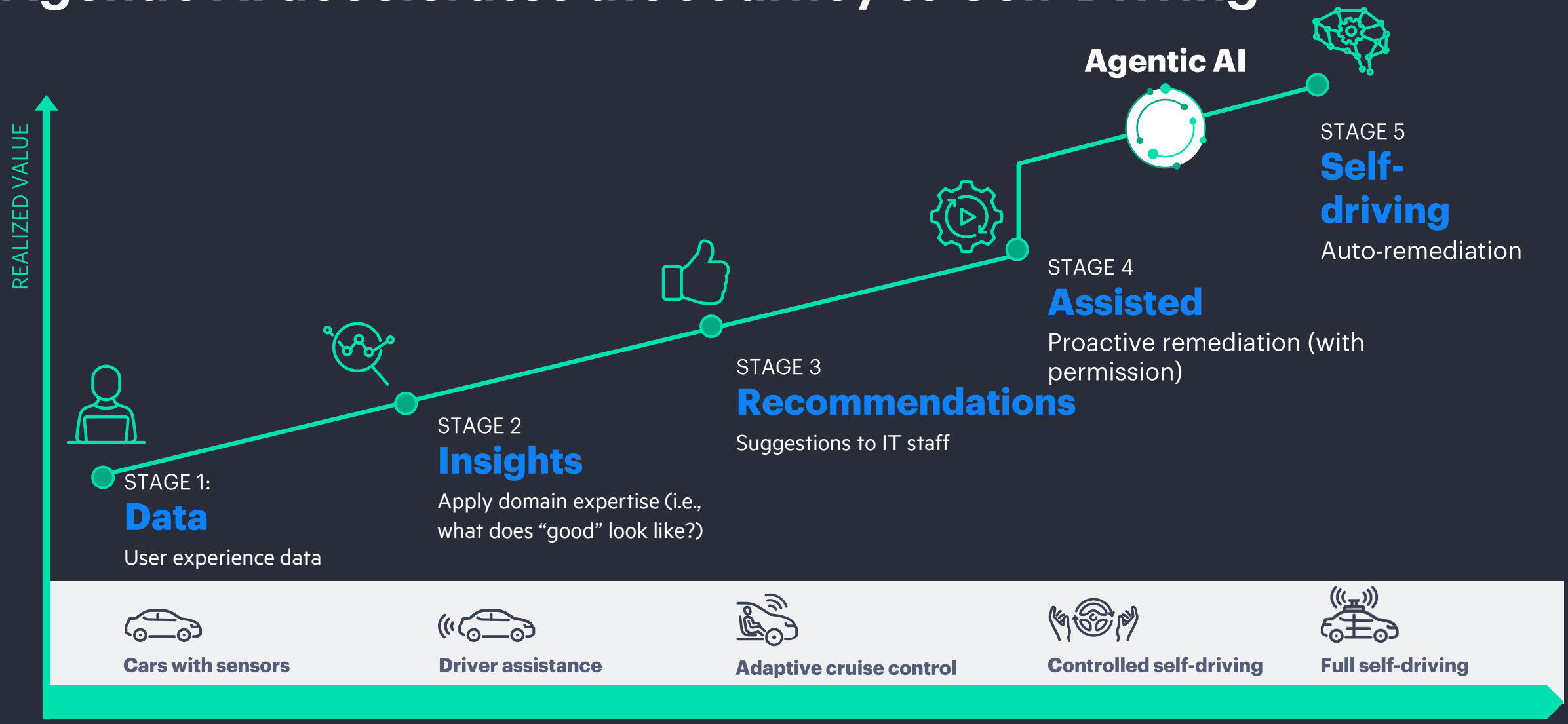
Complete client-to-cloud portfolio

滿足更多用例，提供更多部署選項，適用於更多客戶（企業、雲和電信公司）

Combined NAC, SSE, NGFW, and WAN

提供零信任架構

Agentic AI accelerates the Journey to Self-Driving



HPE aruba networking Central Public Preview

Search Central

New Central

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
2.4 GHz Channel Quality on 1 access point.

MicroBranch-Edge-To-Cloud
There are no devices in this site.

Updated every 2-5 min (08/29/2025, 5:22 PM)

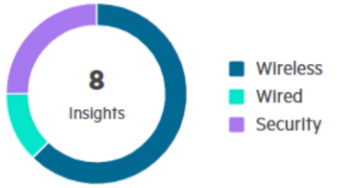
Alerts

Active alerts aggregated into categories.

Categories	Alerts
Client	0
Device	24
LAN	0
WLAN	2
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 Bandwidt...	1
Wireless Client Onboarding Experience	1

3 more insights

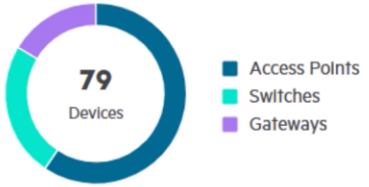
Device Health

Device type and its health.

Device Type	Health	
Access Points	4	13
Switches	3	4
Gateways	2	5

Device Inventory

Device distribution and activities.

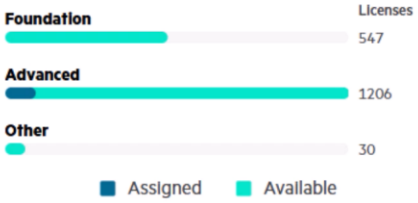


Require Site Assignment
50

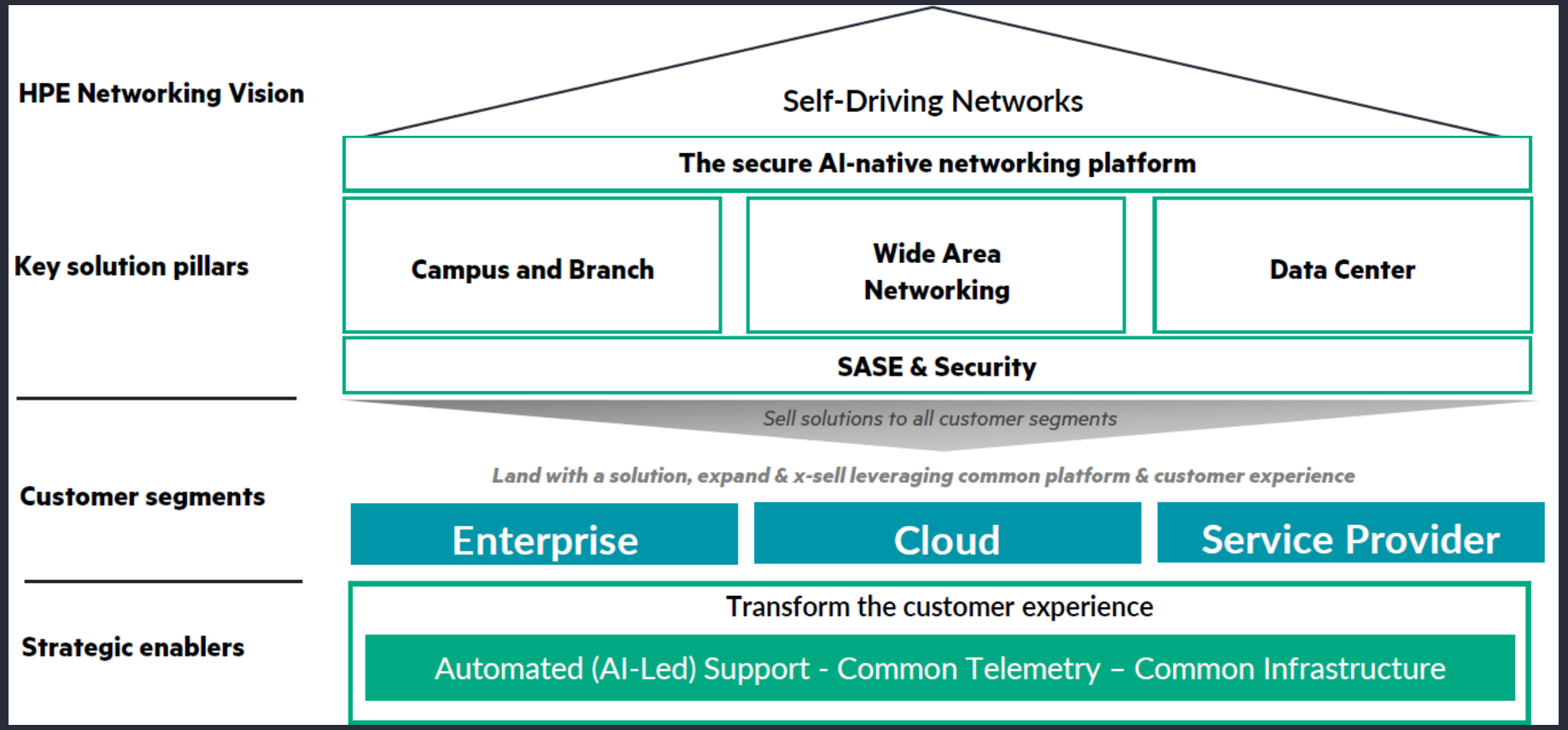
Added in the Last 7 Days
0

Licenses

License consumption across managed devices.

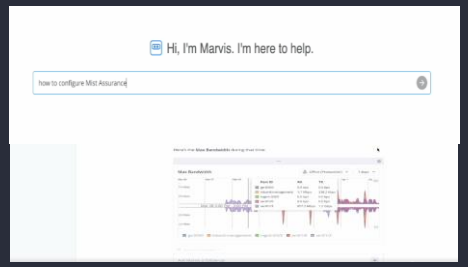


Transform the experience of Self-driving Network Operations

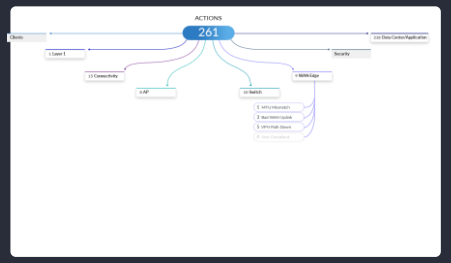


Aruba and Mist are Leading the Self-driving Journey

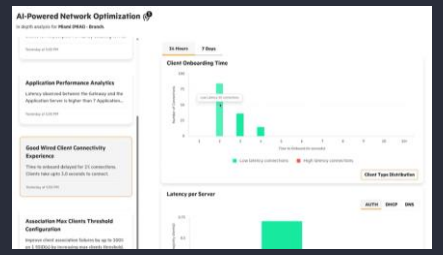
And….with a common architecture we can cross pollinate!



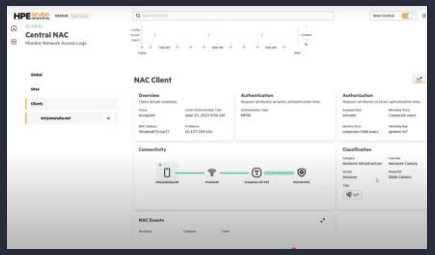
Conversational assistant
對話助理



Proactive actions
主動性行動

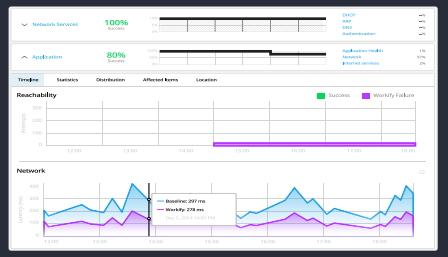


AI insights and
client profiling
AI洞悉與用戶辨識

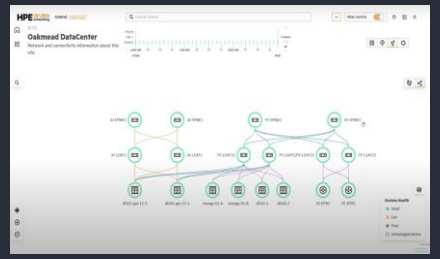


Access and
policy control
存取與策略控制

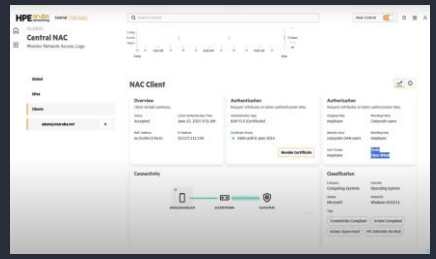
Large experience model
LEM大型體驗模型



Digital experience twins
數位體驗分身



3rd party
observability
第三方設備可視性

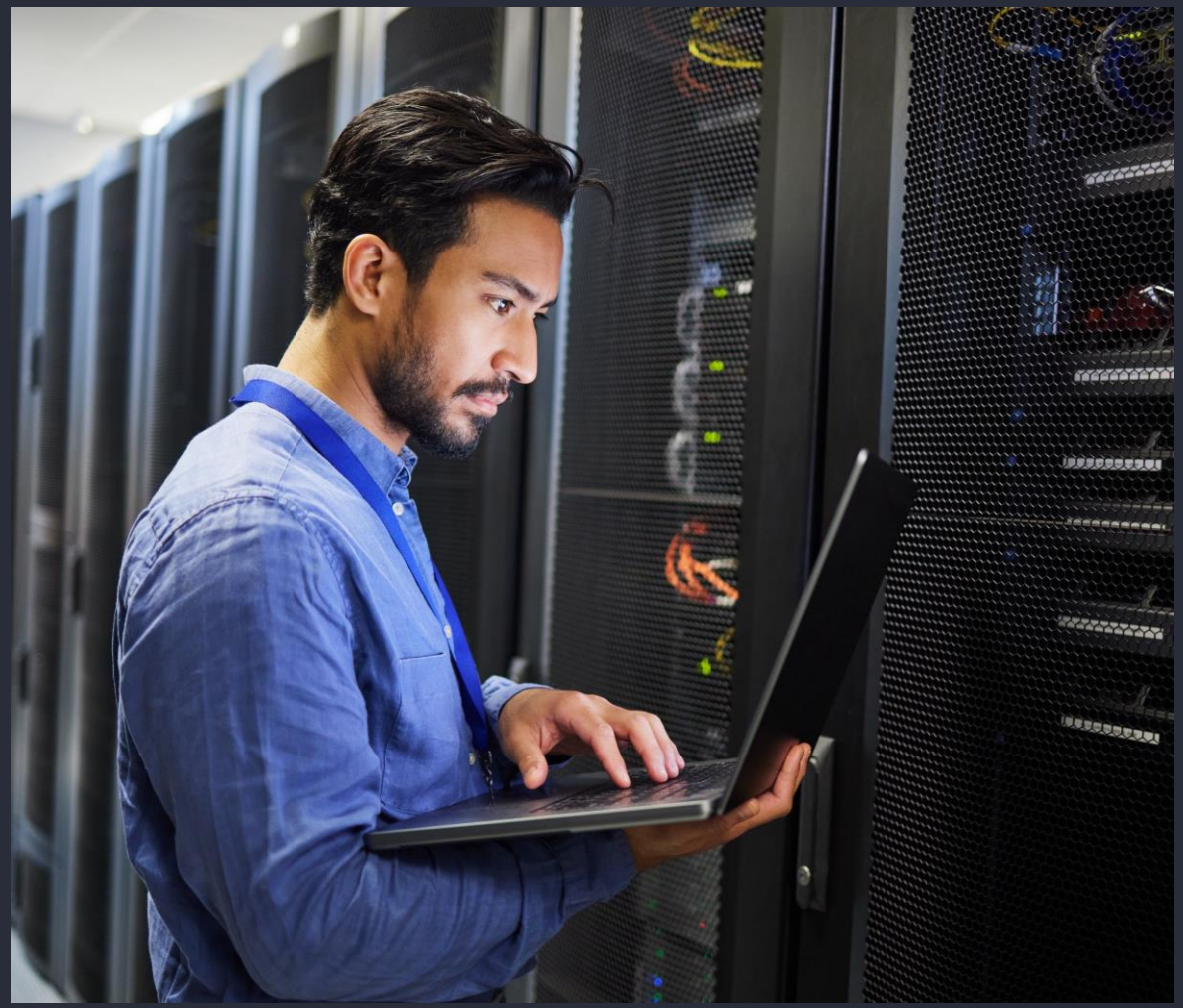


Cloud | on prem |
VPC
雲端與落地彈性

HPE JUNIPER networking

HPE aruba networking

Networks for AI
A complete solution for AI workloads



Networking, storage, and compute from one vendor

HPE 為 AI 工作負載（跨資料中心和邊緣）提供完整的解決方案，所有這些都在單一平台（HPE GreenLake)

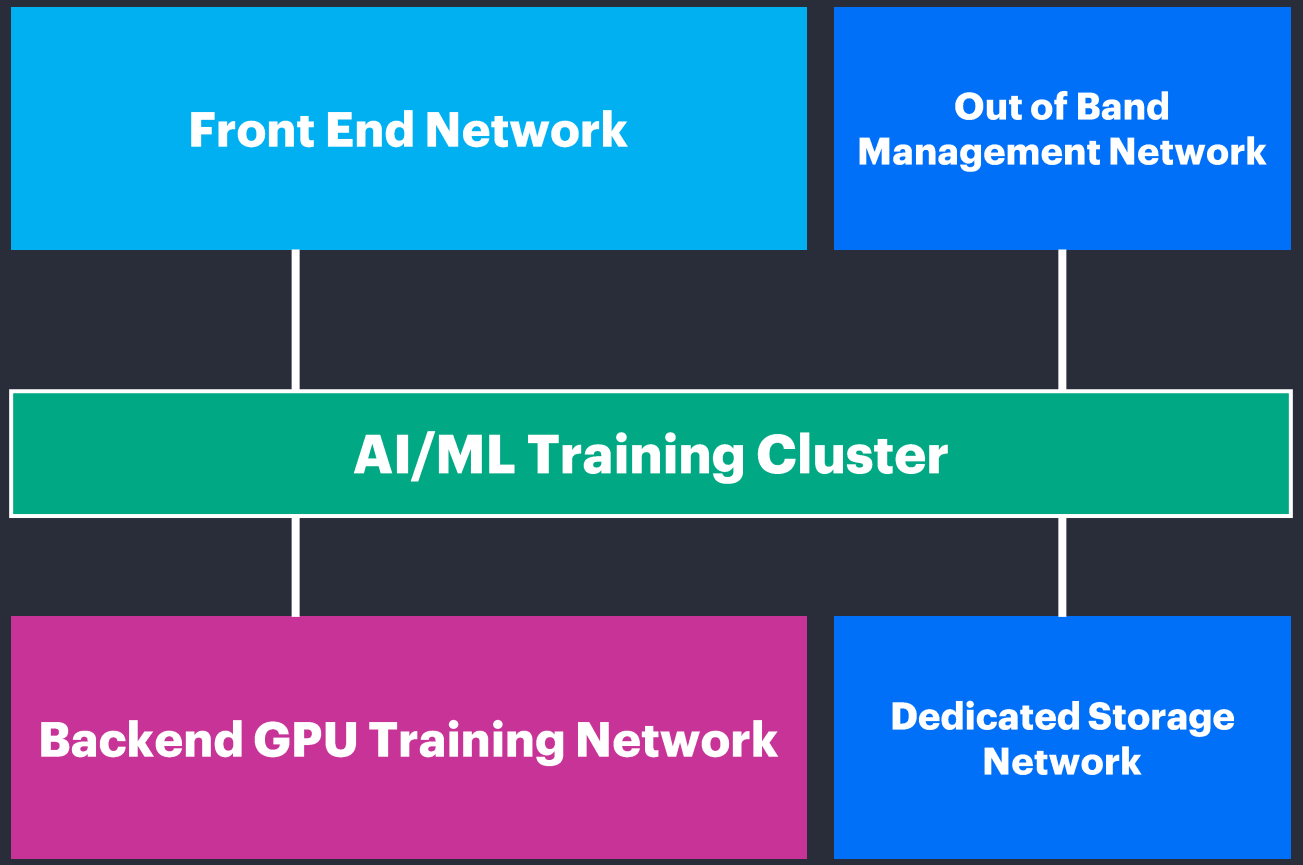
Greater engineering and data science scale

加速晶片、系統和軟體開發的創新

Best-in-class AIOps + intent-based networking + ITOM

更快的部署、更快的故障排除、更好的主動管理可見性以及更低的 TCO

AI/ML Training Infrastructure Network Requirements



Front End Network Requirements

- 100G/200G to Host
- Gateway for external access
- Multi Tenancy

Backend GPU Network Requirements

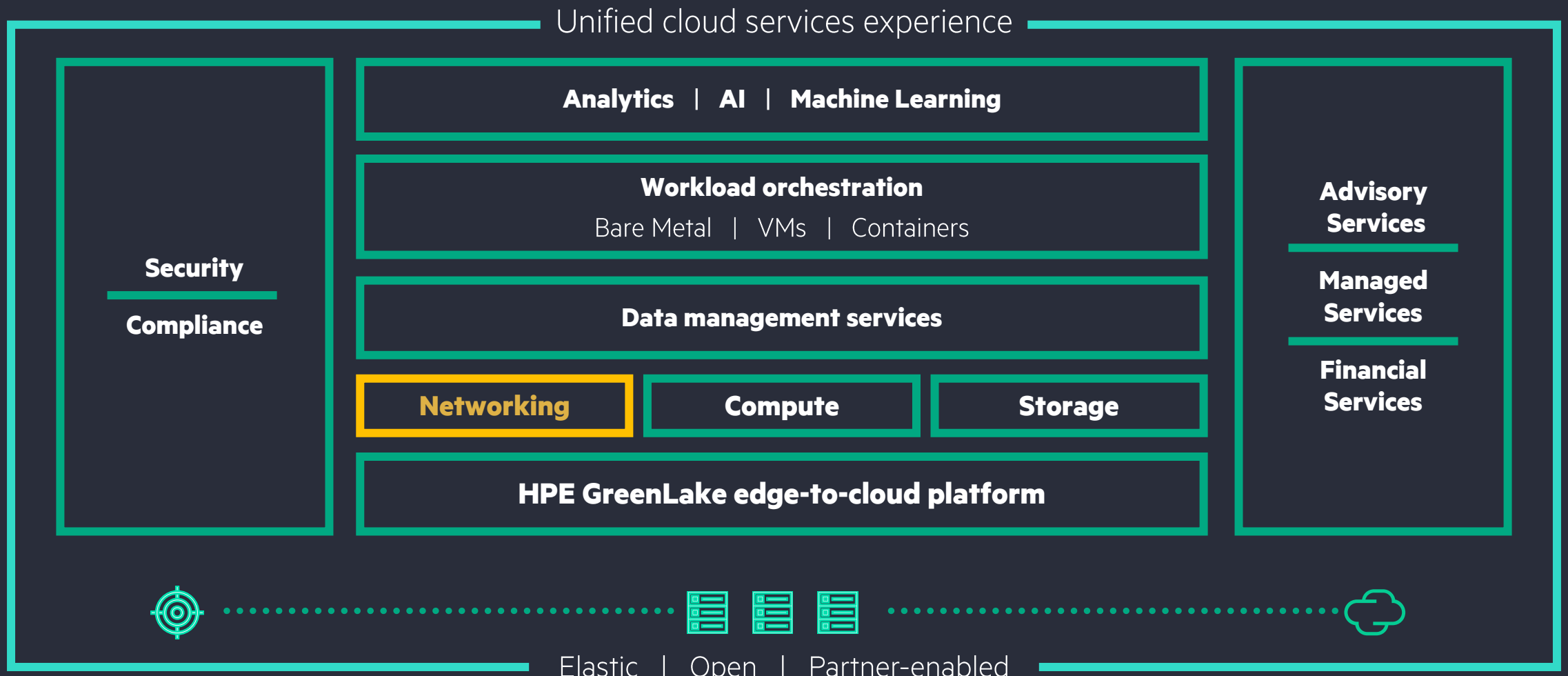
- 200G/400G to each GPU
- Congestion Avoidance (1:1 non-blocking, Advanced Load Balancing) to handle elephant flows
- Congestion Management (DCQCN)

Backend Storage Network Requirements

- 100G/200G to Host
- Congestion Management

There are typically 4 networks in an AI training cluster. Each has unique requirements.

HPE GreenLake Platform Architecture



90%
reduction in network trouble tickets

SERVICENOW

85%
faster upgrades

BETHESDA MEDICAL

For operators

自我優化的網絡

85%
fewer truck rolls

GAP

90%
less time managing the network

BLUE DIAMOND GROWERS

For end users

開發人員可快速安全地在
全球範圍內共用程式碼

AUTODESK

購物者可以更快地找
到他們需要的東西

HOME DEPOT

承銷商可以快速、安全地
存取客戶記錄

AMERITRUST

非凡體驗

學生隨時隨地無縫連接

UNIVERSITY OF ILLINOIS

A foundation for continually adding value through leading innovation

Operator experiences
GenAI 疑難排解。自動駕駛營運.

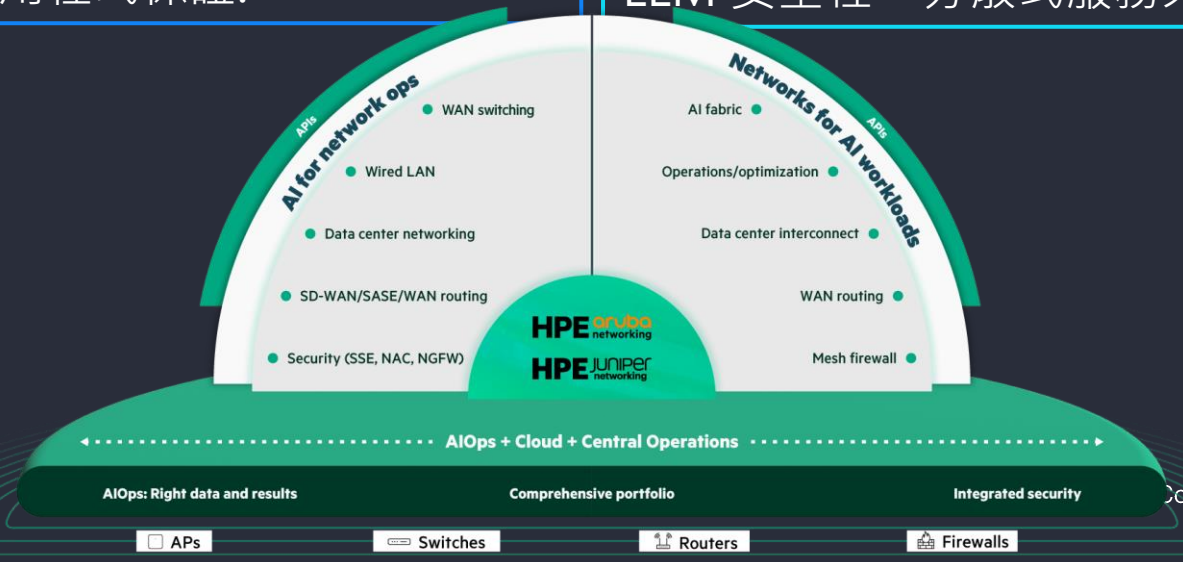
User experiences
Agentic AI代理人工智慧。用戶端到雲端孿生.

Application experiences
大型體驗模型（LEM）。應用程式保證.

Performance/Scale
800G. AI 工作負載優化.

Openness
多廠商網路管理.晶片多樣性.

Security
LLM 安全性。分散式服務架構.

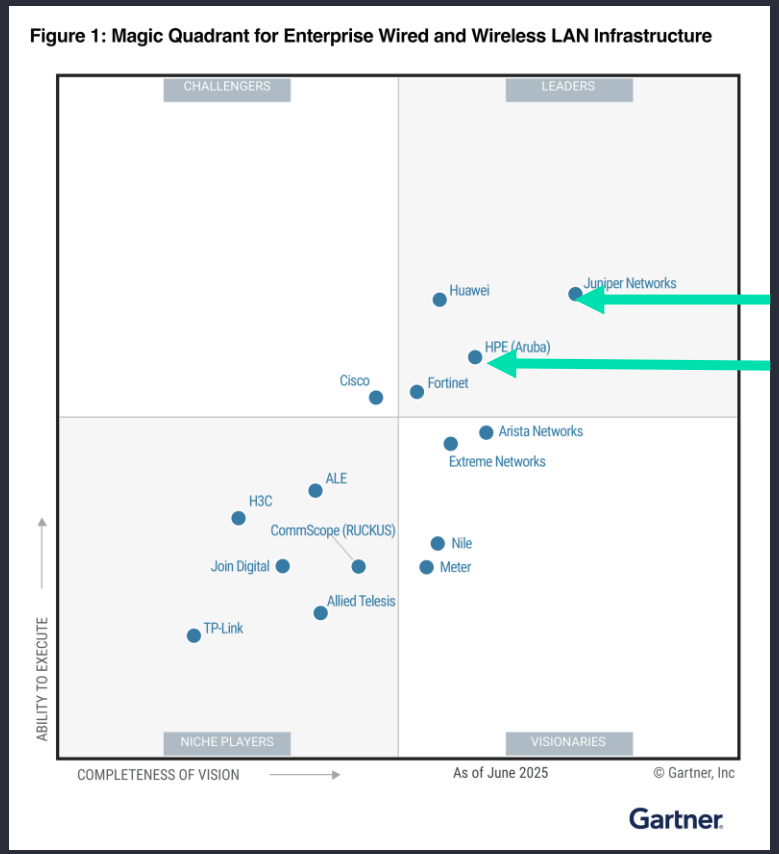


Recognised as a Leader

A LEADER: Wired/Wireless

Furthest in Vision, Highest in Execution

#1 in all critical capability use cases



Juniper Networks

HPE (Aruba)

A LEADER: Data Center Networking

#1 in Enterprise Build Out use case

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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Unlocking networking with HPE

9 of the top 10 全球醫療保健提供者	10 of the top 10 全球大學	20 of the top 20 金融機構	9 of the top 10 全球零售商
9 of the top 10 全球科技公司	20 of the top 20 服務提供者	20 of the top 20 雲端供應商	9 of the top 10 全球財富 500 強

US$11B+ Combined Business

Thank you

Let’s connect

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