



Secure AI-native networking starts here

Goran Petrovic, HPE Networking Country Manager Austria

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Supercharges HPE's edge-to-cloud strategy

Edge & Networking

Securely connect
people, devices, things

Wi-Fi, Private 5G, Campus Switching,
SD-WAN, SASE (SSE), vRAN

Hybrid Cloud

Move data within clouds and
edge to multi-cloud

Private Cloud, Storage/Data
Protection, Compute

Data Center Switching, Routing,
Core 5G (Open RAN)

AI

Accelerate data-intensive
scale-out workloads

High Performance
Interconnect Fabric
(both switching and smart NIC's)
Supercomputing



Hewlett Packard
Enterprise

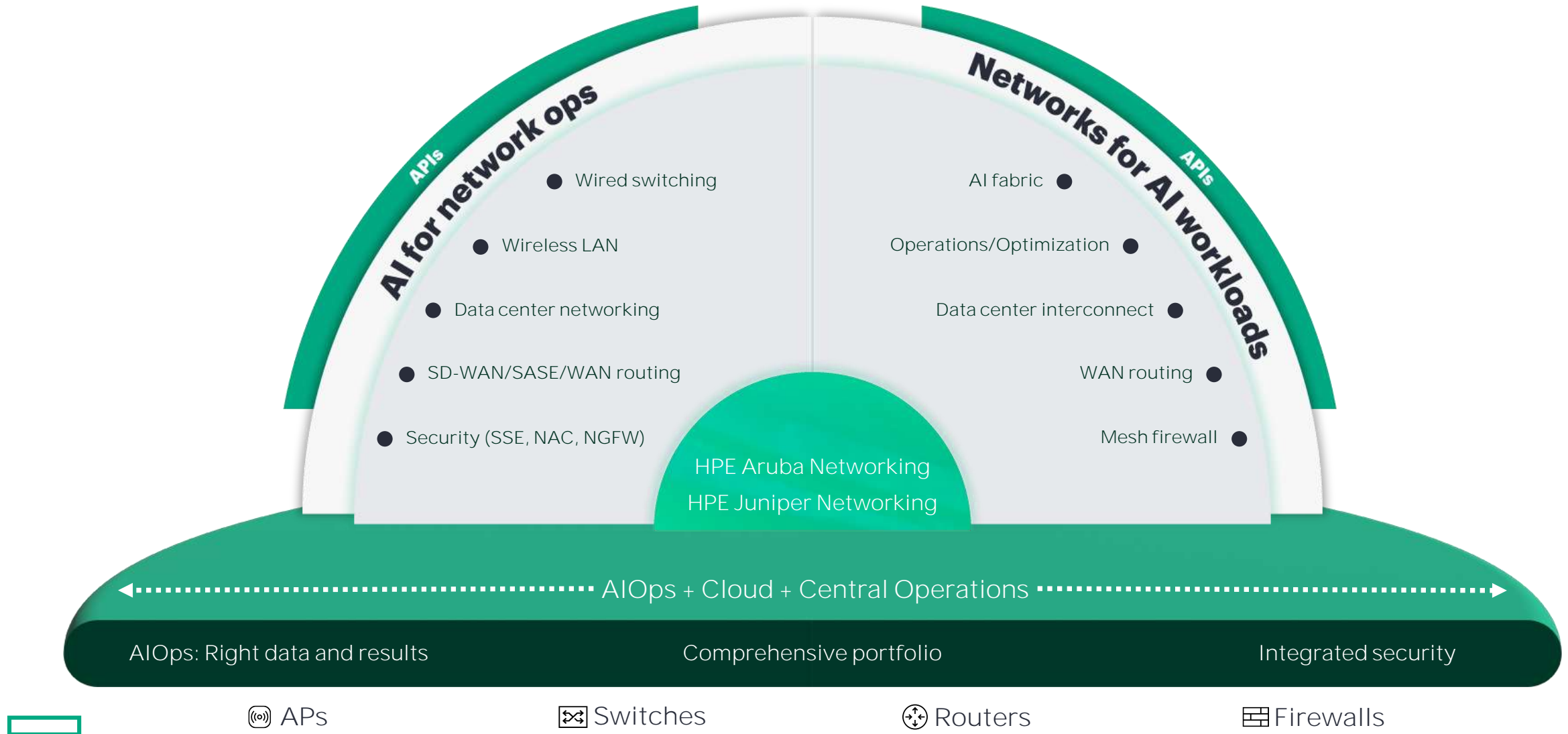
+

JUNIPER
NETWORKS

A secure, unified, cloud and AI-native networking platform to drive
innovation from edge-to-cloud



The secure AI-native network



HPE Aruba Networking Central

Cloud-native, microservices based AI-powered management platform for wired, wireless and SD-WAN

Industry-leading data lake



6+
Million
devices



3+
Billion
clients



30+
industry
verticals



280K+
customers
across AMS,
EMEA, APJC

How does data lake help?

- Uncover insights and trends
- Receive optimization tips
- Power and Train ML/AI model



Unified Infrastructure provides telemetry data to HPE Aruba Networking Central



GenAI-powered Search

Enhanced with enterprise-grade LLMs for improved operator experience

How do I create a Port Profile on AOS-CX using Aruba Central?

Summary:

Configuring Port Profiles on AOS-CX using Aruba Central

Port Profiles enable group level configuration of interface-specific commands on AOS-CX devices. Aruba Central's **Port Profiles** page allows you to manage these profiles - create, apply, clone, modify, and delete. They can be configured on interface ranges, list of interfaces, wild cards, MLAG, split, sub-interface, and management interfaces. Please note, the configuration should be complete when applying a profile to an interface. The new profile will overwrite the existing configuration.

Creating a Port Profile

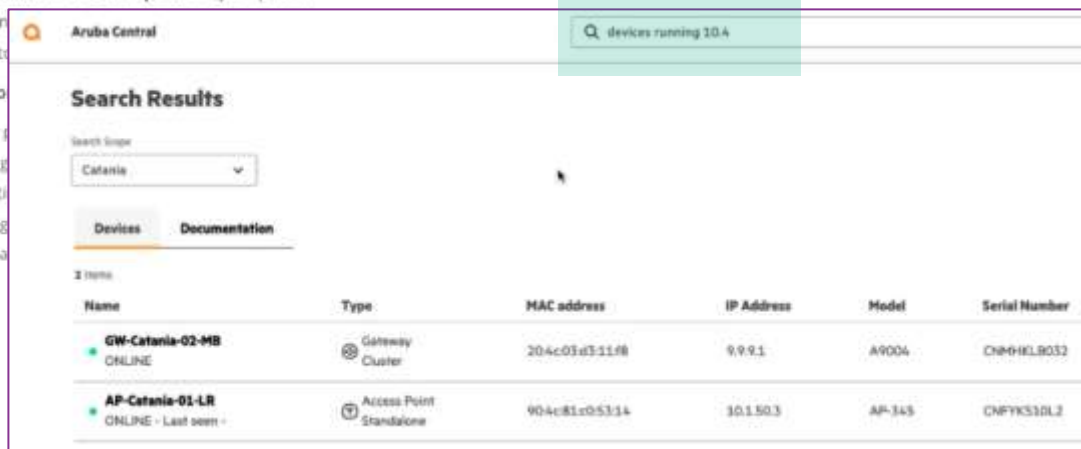
1. Launch the **Aruba Central** app, and set the filter to a group that contains at least one switch.
2. Navigate to **Devices > Switches** under the **Manage** section.
3. Click on the **Config** icon to access the switch configuration dashboard.
4. Navigate to **Interfaces > Port Profiles**. Here you'll see a list of existing port profiles.
5. Click on the + sign in the Port Profiles table to create a new profile.
6. Provide a **Name** and a **Description** for your profile.

7. Configure in
8. Click **Save** to

Important Co

- The parent s
- Overlapping
- When creati
- Before assign
- Post applica

Show more



The screenshot shows the Aruba Central interface with a search filter set to 'devices running 10.4'. The 'Search Results' section displays a table with two tabs: 'Devices' and 'Documentation'. The 'Devices' tab is active, showing a table with columns: Name, Type, MAC address, IP Address, Model, and Serial Number. Two devices are listed: 'GW-Catania-02-MB' (Gateway Cluster) and 'AP-Catania-01-LR' (Access Point Standalone).

Name	Type	MAC address	IP Address	Model	Serial Number
GW-Catania-02-MB ONLINE	Gateway Cluster	204c03e311f8	9.9.9.1	A9004	CNM9HEL8032
AP-Catania-01-LR ONLINE - Last seen -	Access Point Standalone	904c81e05314	10.1.50.3	AP-345	CNFYKS10L2

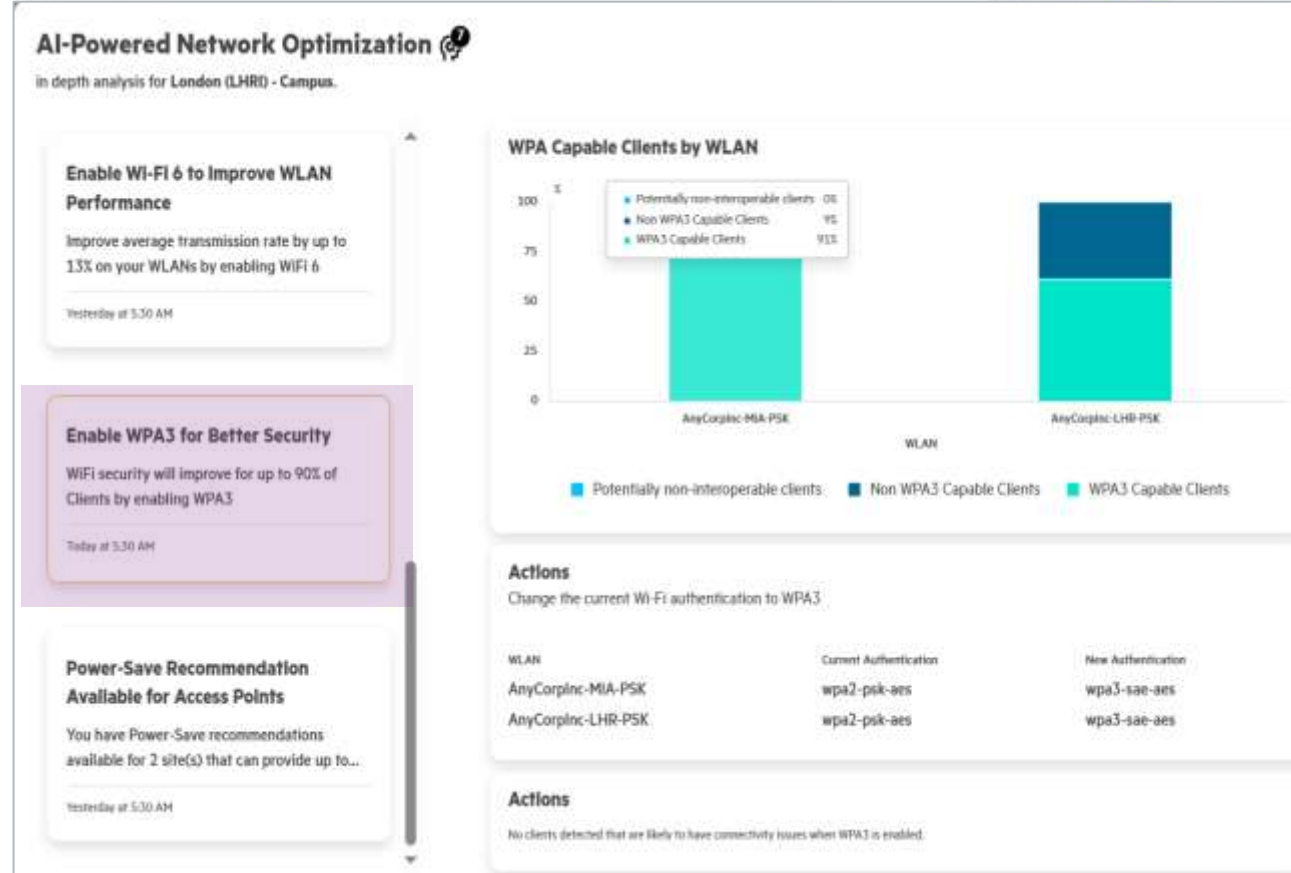
Trained and tuned on multiple proprietary LLMs, purpose-built for networking

Pre-conditioned with 3 million network questions for improved performance and accuracy

Sub-second summarization of latest 30k pages of VRDs and tech pub documents

AI-powered insights

Free up valuable IT cycles and reduce risk with proactive optimization insights



Custom, actionable recommendations at a global/per-site basis

AI/ML models trained and re-trained weekly on data from anonymized peer groups with similar environments

Examples

- Firmware recommendations
- 802.11ax recommendations for Wi-Fi performance
- AP power save recommendations to support sustainability efforts
- WPA3 insights for improved security posture and more

AI-powered Insights in HPE Aruba New Central

Enabling 6 GHz Radio with Optimal Bandwidth to Improve WLAN Performance

Gateway WAN Uplinks Have Higher Latency Than Comparable Peers

Wireless Client Onboarding Experience

Application Performance Analytics

Outdoor Clients Impacting WLAN Performance

Firmware Insight

Enable Wi-Fi 6 to Improve WLAN Performance

Enable WPA3 for Better Security

Power Save Recommendation for Access Points

IoT Policy Optimization Available

Association Max Client Threshold Configuration

Wired Client Connectivity Experience

Optimize Bandwidth on 5 GHz Radio to Improve WLAN Performance

Roaming Recommender

Coverage Hole(s) Detected

Optimize WLAN DFS Configuration to Improve Performance

STP Anomaly Recommender

Network Detection Abnormal Data Download

Network Detection Abnormal Data Upload

Access Point Placement Insights

AP Health Insights

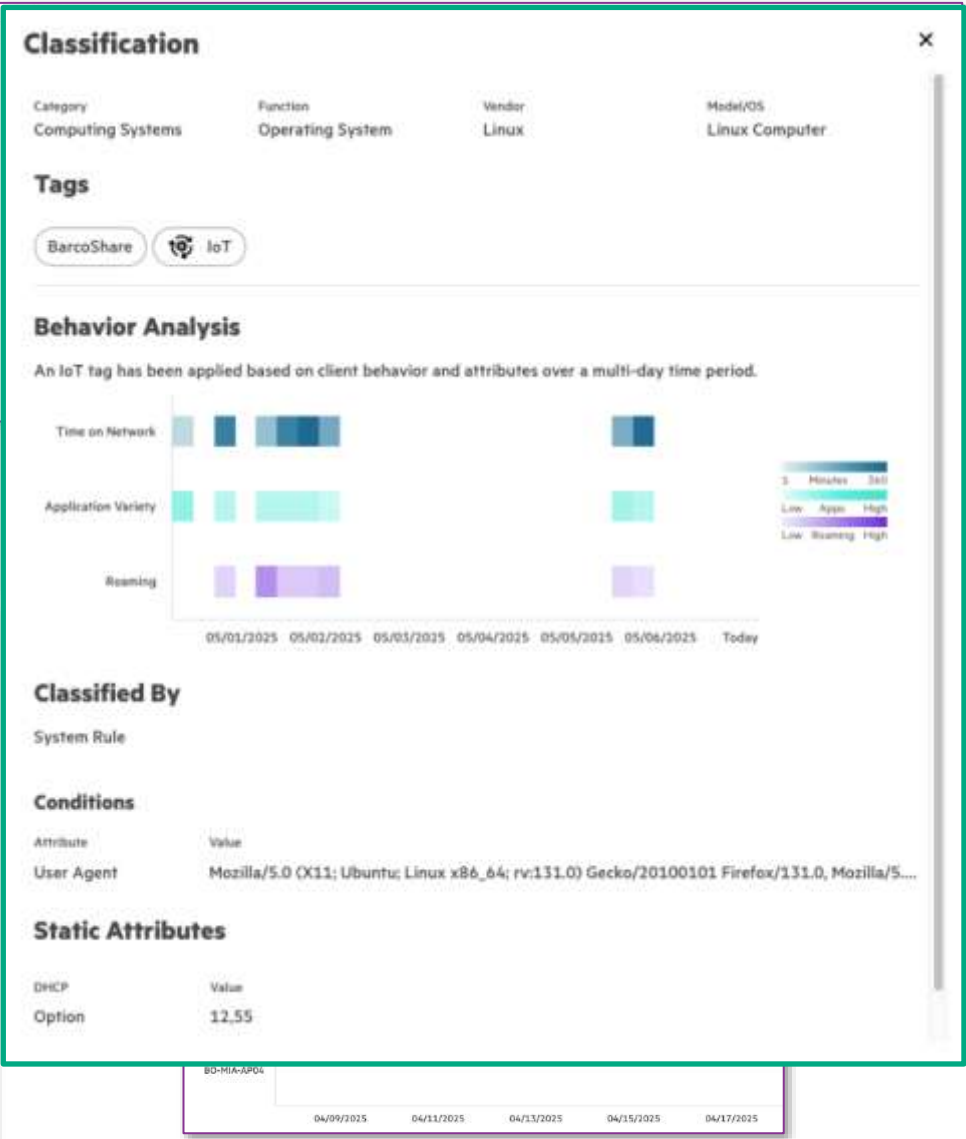
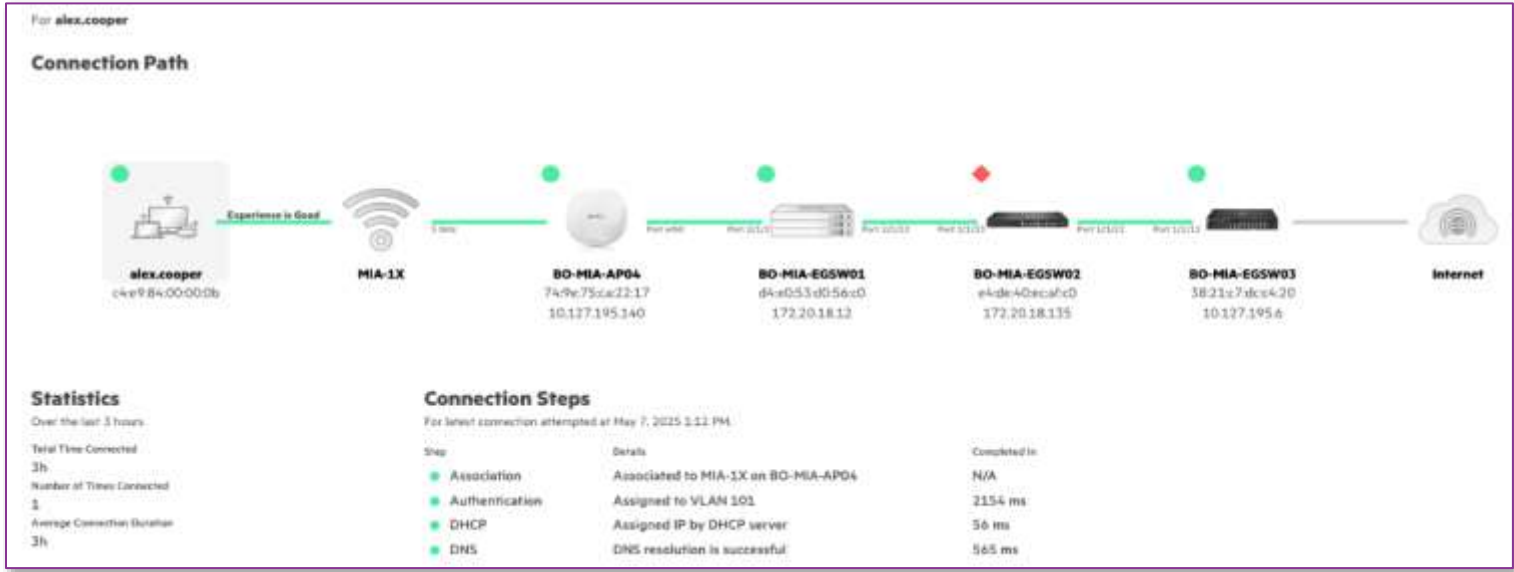
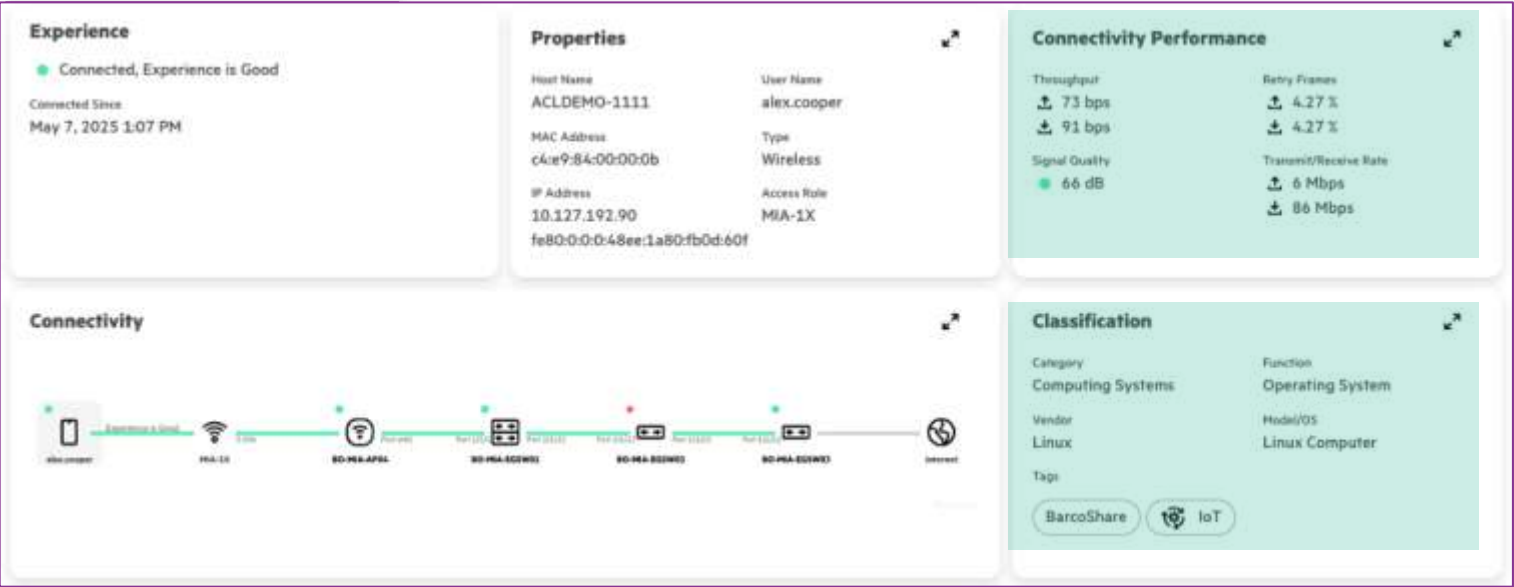
Switch Health Insight

Improve RF Resiliency by Swapping APs Between Switches in the Stack

Improve Access Point Coverage Resiliency



Client connectivity and experience



Identify: AI-powered visibility and profiling with Client Insights

Identifies connected devices with up to 99% profiling accuracy of known clients and <5% rate of unknowns

Benefits from 3B+ clients profiled

Monitors devices continuously

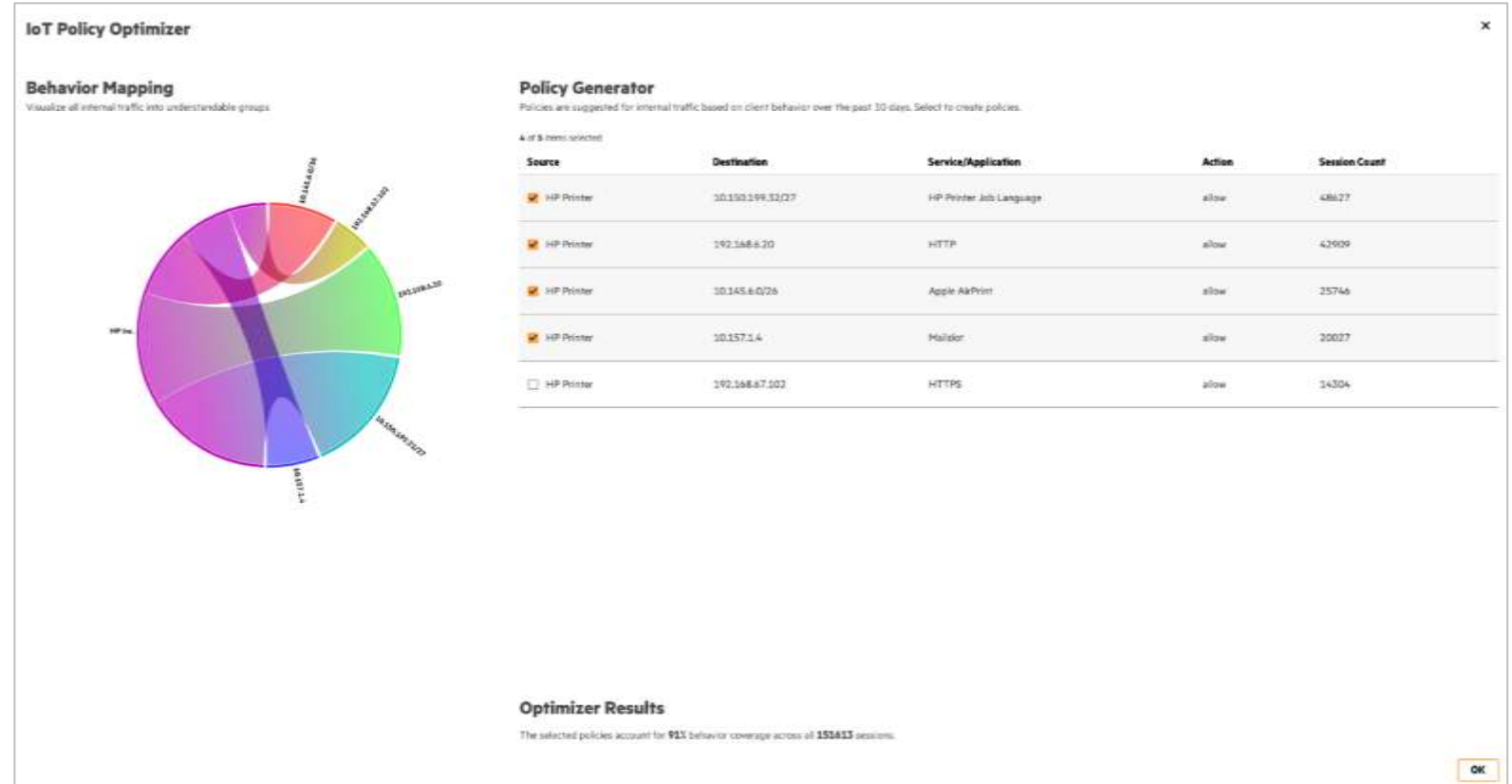


Protect : AI-powered policy recommendations

Accelerates response
without operational disruption

Provides role-based policy
response recommendations,
policy impact visualization,
and one-click policy
application, with user consent
at every step

Simplify traffic IOT
segmentation



Detect and Respond: Behavior Analytics

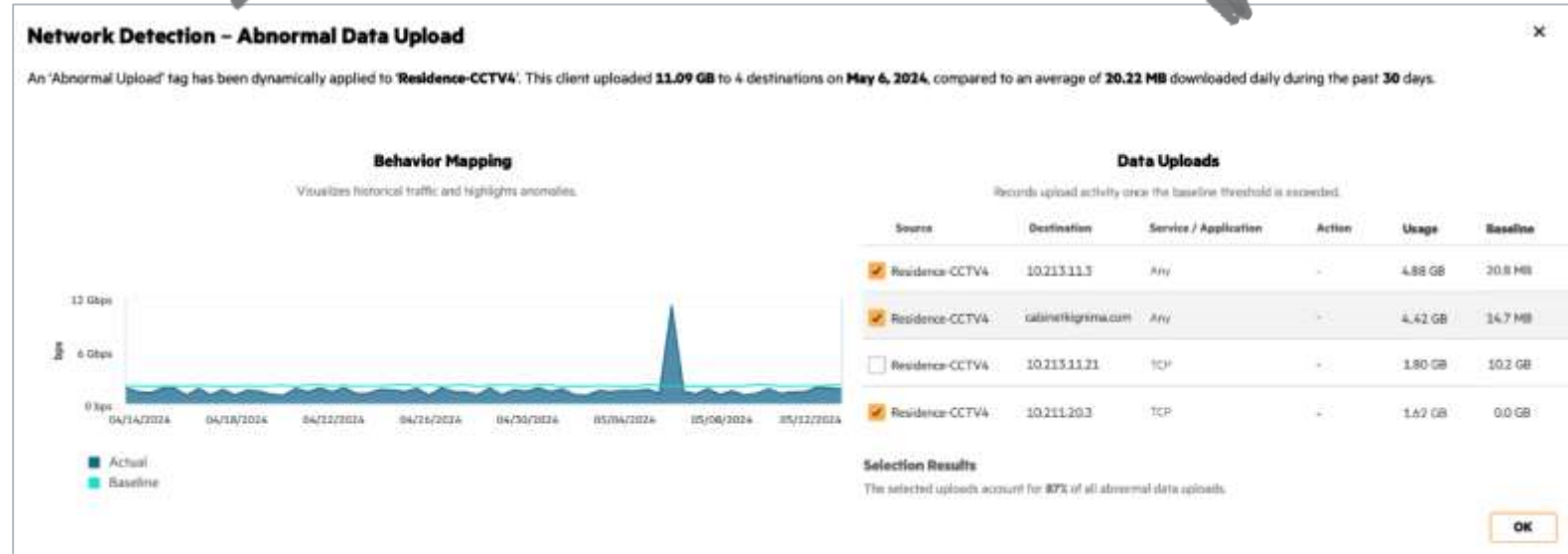
Establishes device behavioral baselines, detects anomalous behaviors, and raises alerts for investigation

Detects compromises for high-risk IoT devices

Benefits from the industry-leading HPE Aruba Networking Central observability data lake

Built into HPE Aruba Networking Central with native telemetry—**no additional appliances**, **nor agents required**

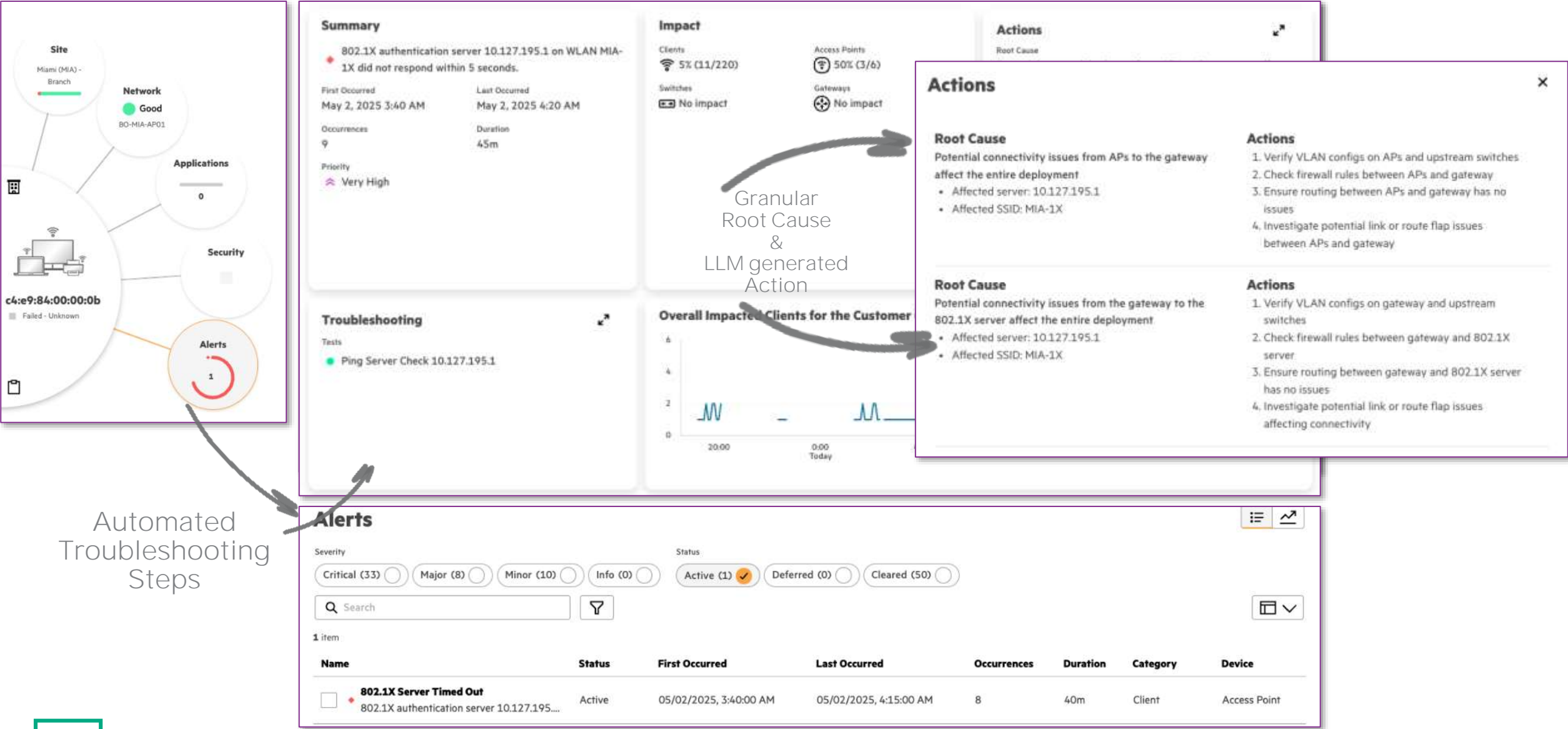
Anomalous Traffic Detection



Examples of uses case:

- Abnormal Data Download vs Historical baseline
- Abnormal Data Upload vs Historical baseline
- New Country Upload vs Historical baseline

AI-Driven alerts – new Central enables faster troubleshooting



Alerts – new Central

Alerts

Severity: Critical (195) Major (1) Minor (5) Info (0) Active (19) Deferred (0) Cleared (182)

Q Search

19 items

Name	Priority	Status	First Occurred	Last Occurred	Occurrences	Category
WPA Passphrase is incorrect Minor - The WPA passphrase provided by the client does not match the configured value.	Medium	Active	09/28/2024, 1:45:00 AM	10/21/2024, 5:35:00 PM	6711	Authentication
DHCP Discover Timeout Minor - The DHCP server did not respond to the client's discovery request.	Medium	Active	10/19/2024, 5:05:00 AM	10/21/2024, 5:30:00 PM	688	DHCP
Loop Detected Critical - A loop was detected between switches.						
Switch Interface Tx Rate Critical - Switch BO-MIAI-EGSW03's transmit rate for interface 1/1/16 was above 90% for 30 minutes						

190+ alert types
and more coming

Automated
troubleshooting
steps

Summary

Client did not receive a response to its DHCP Discover broadcast packet.

First Occurred: October 19, 2024 5:05 AM
Last Occurred: October 21, 2024 5:30 PM
Occurrences: 688
Priority: Medium

Impact

Clients: 2% (1/68)
Switches: No impact
Access Points: 13% (1/8)
Gateways: No impact

Action

Root Cause
Response to DHCP Discover message is not received from the server

- Affected VLAN(s): 101
- Affected SSID(s): AnyCorpInc-MIA-1x
- Affected Server(s): 10.129.192.1

Action
Currently additional troubleshooting information is unavailable. SSID is configured as an overlay network with tunnels from the Access Point to the Gateway

Troubleshooting

Steps

- VLAN Configuration Check
- Traceroute
- Other IP Allocations Successful in Same VLAN
- Ping Check

Result

Root cause
recommended action

STEP 1 OF 3

Create Alert

Configure parameters for this alert.

Scope: Global
Scope Type: Global

☐ Enable this alert

Triggering

Define what triggers the alert.

KPI Category: Access Point
Primary KPI: AP CPU Utilization

Identification

Configure parameters to identify this alert.

Name: AP CPU Utilization-Custom

Summary: AP (hostName) average CPU utilization was above (threshold)% for (duration) minutes

Labels: Select

Thresholds

Define how primary KPI maps to alert severity levels.

Critical: ☐ Enable Threshold

Major: ☒ Enable Threshold
Threshold: 90 %
@ Min 1 %; Max 100 %

Minor: ☐ Enable Threshold

Duration

Observation Period: 5 Minutes
@ Min 5 minutes; Max 120 minutes

Custom alerts
on any KPI

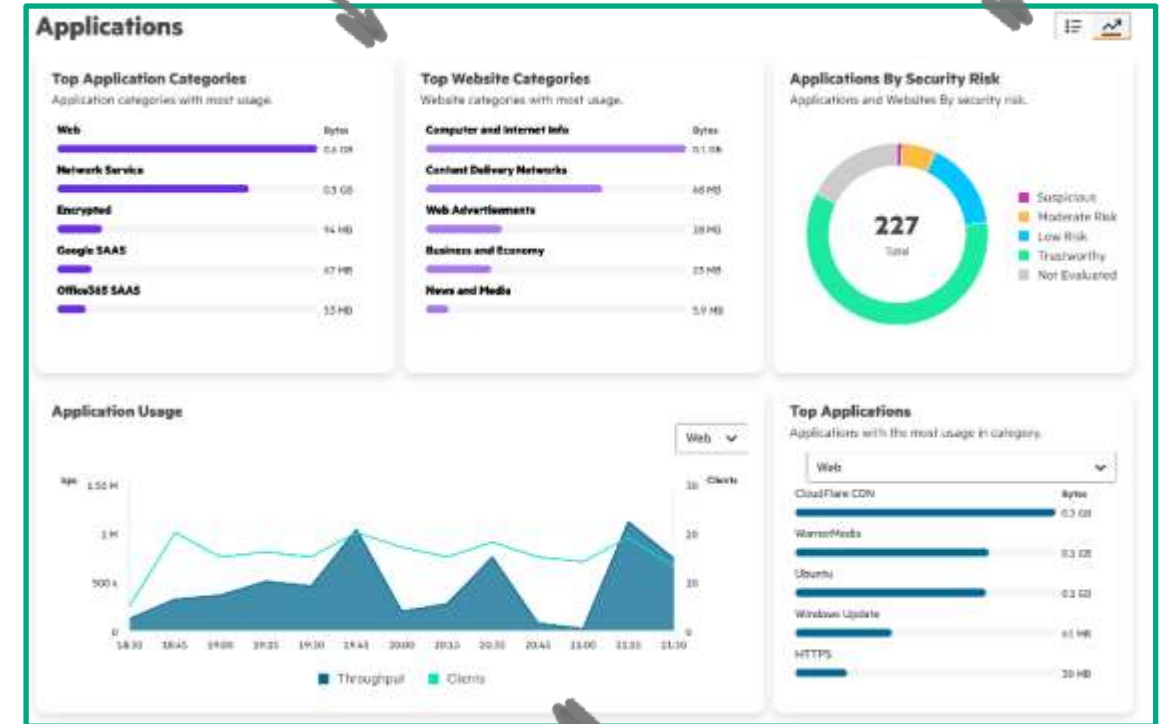
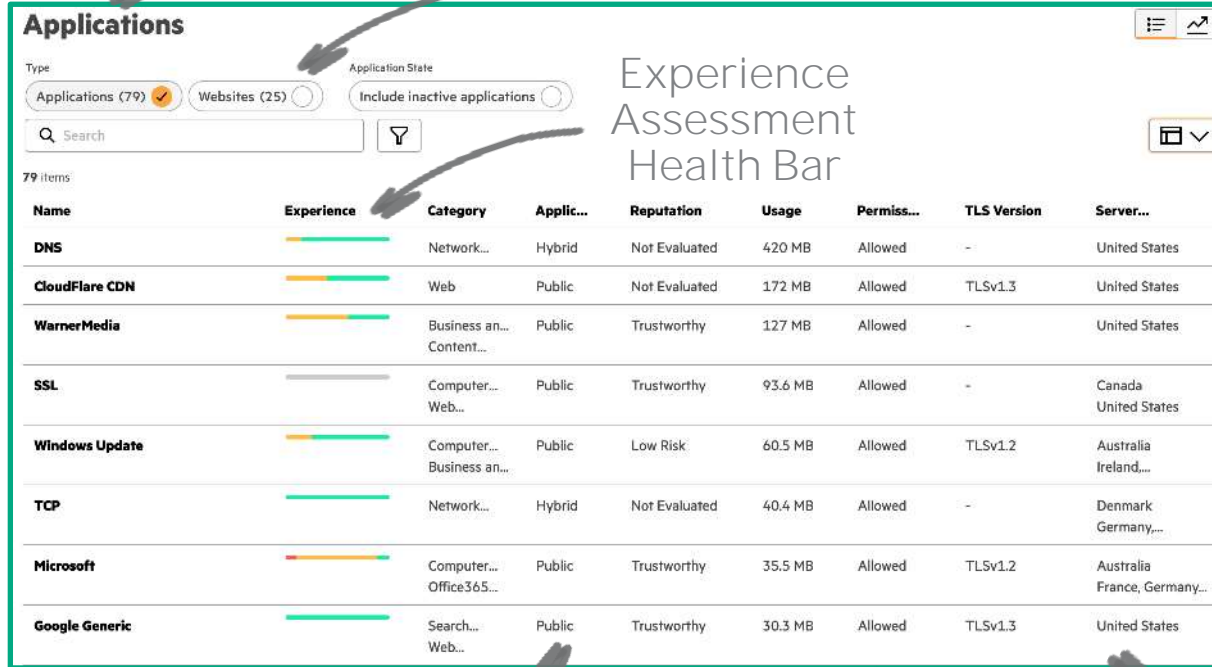
Application analytics

4000+ Apps

Websites

Web Categorization

Security Risk Assessment



App Type

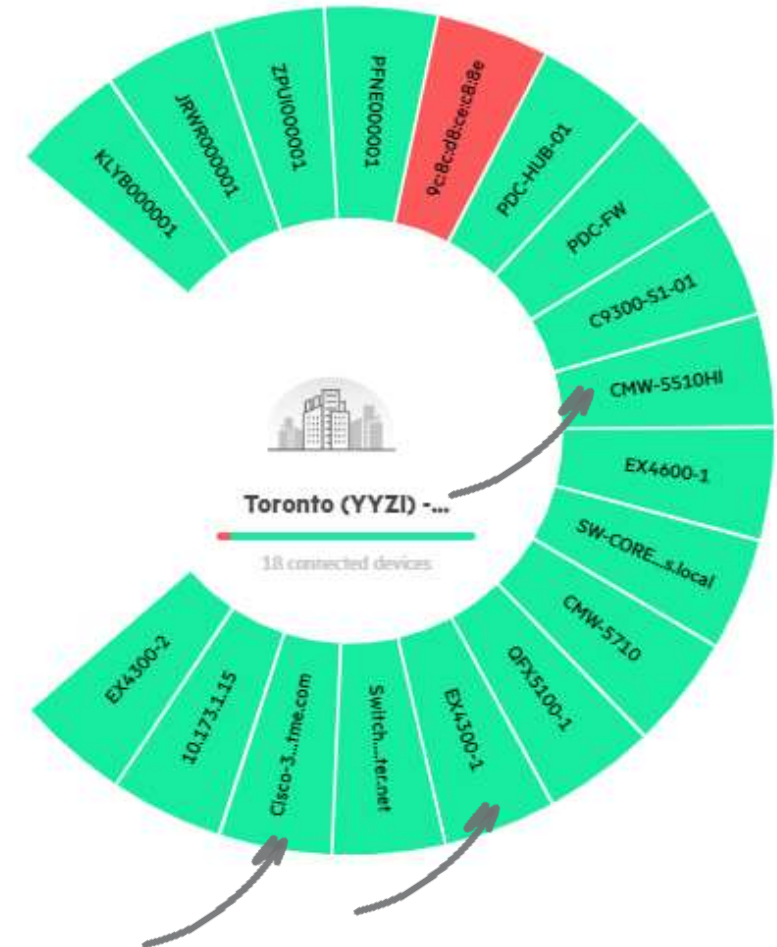
Firewall Status

Destination Country
TLS & Certificates

Wired & Wireless



Third-party observability with HPE OpsRamp



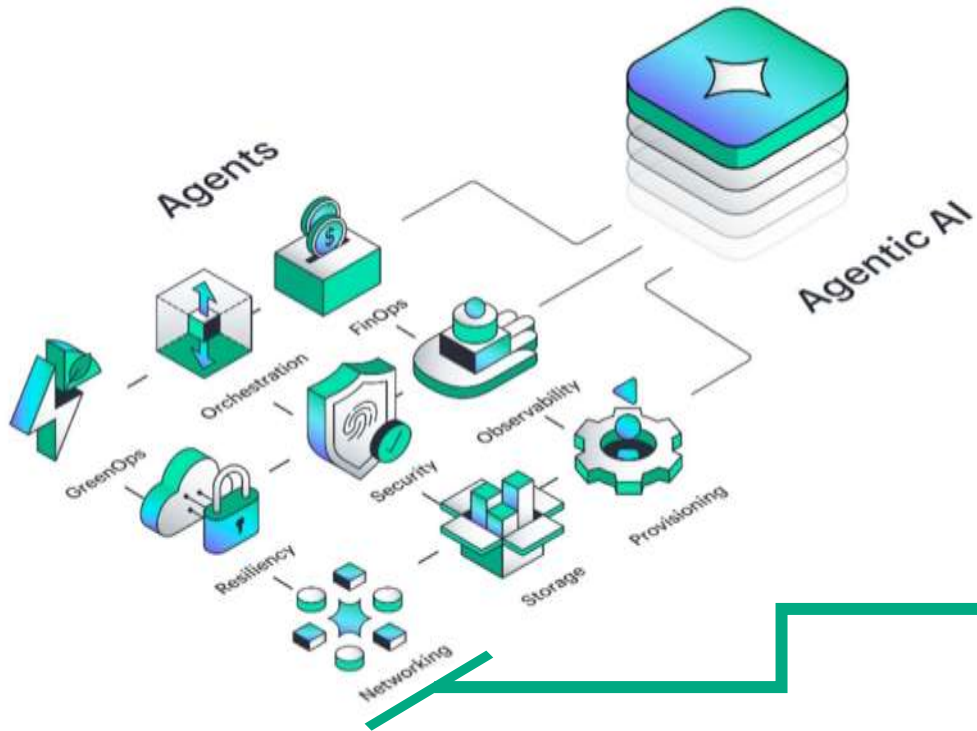
HPE Aruba Networking Central

Test it today!

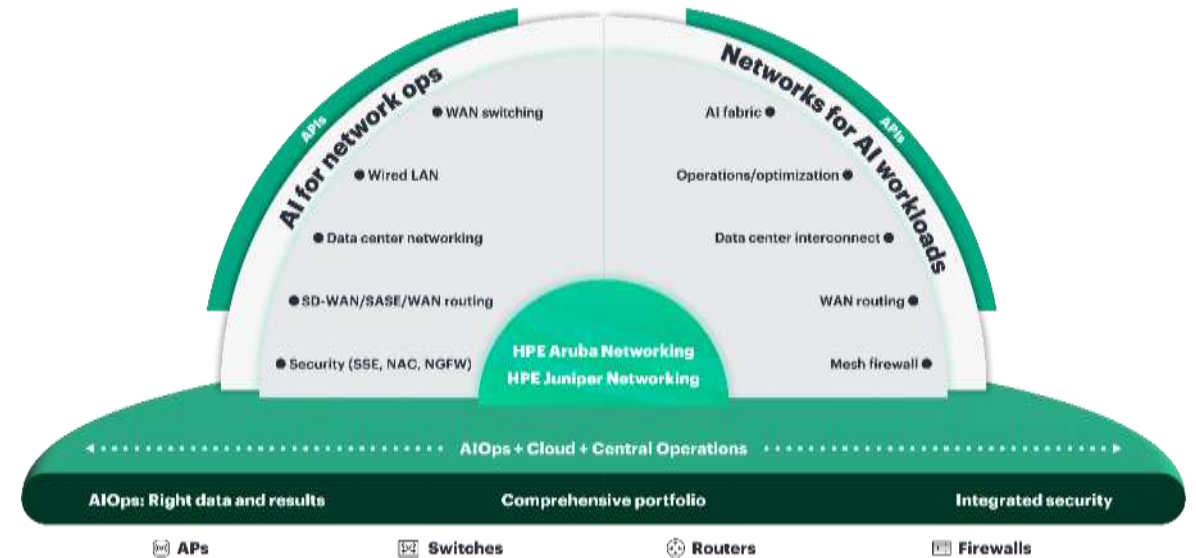
<https://www.hpe.com/at/de/aruba-central.html>



Key element of HPE Greenlake



GreenLake **Intelligence**: HPE's vision for AI-driven operations



Secure AI-native network



Recognized as a leader

A LEADER
Wired/Wireless:
Furthest in Vision, Highest in Execution
#1 in all critical capability use cases

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



A LEADER
Data Center Networking
#1 in Enterprise Build Out use case

Figure 1: Magic Quadrant for Data Center Switching



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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Thank you

goran.petrovic@hpe.com

