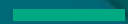**Hewlett Packard Enterprise**

Supercharge your IT organization now:
Next-generation HPE Aruba Networking Central

Tomas Muliuolis
17 09 2024

Future of network operations

Empowering IT teams for an accelerated, AI-driven future

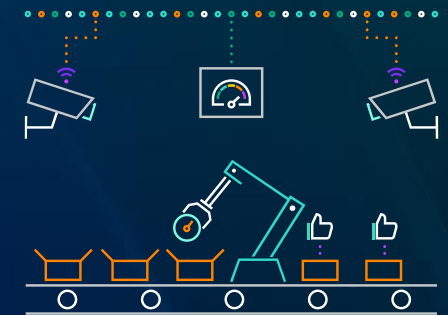### Accelerating GenAI for Networking

By 2026, 60% of network operations personnel will rely on **Generative AI** for Day 2 management, up from less than 5% in early 2024[1]

Network as a Zero Trust security solution

46% ITDMs say **cybersecurity concerns** impact their organizations' willingness to invest in innovative technologies[2]

Growing significance of DEM

Digital Experience Monitoring becomes a strategic investment area, with deployments expected to rise from 60% to **90%** in 2027[3]

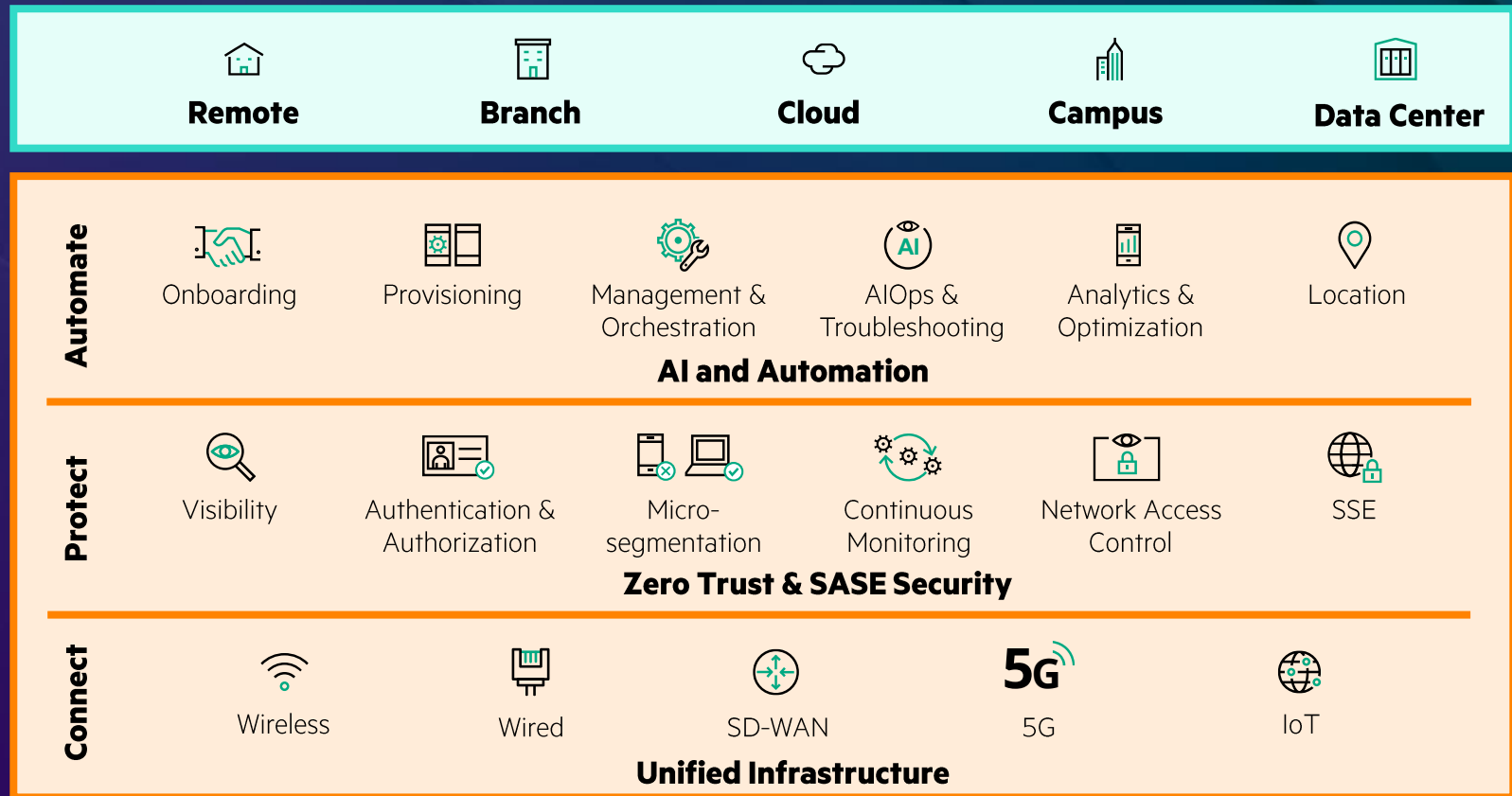[1]Gartner: Prepare for Generative AI in Network Operations , Mar 2024
[2]The innovation vs. risk conundrum. Hewlett Packard Enterprise. 2023
[3]Gartner Market Guide for Digital Experience Monitoring, Nov 2023

Security-first, AI-powered networking
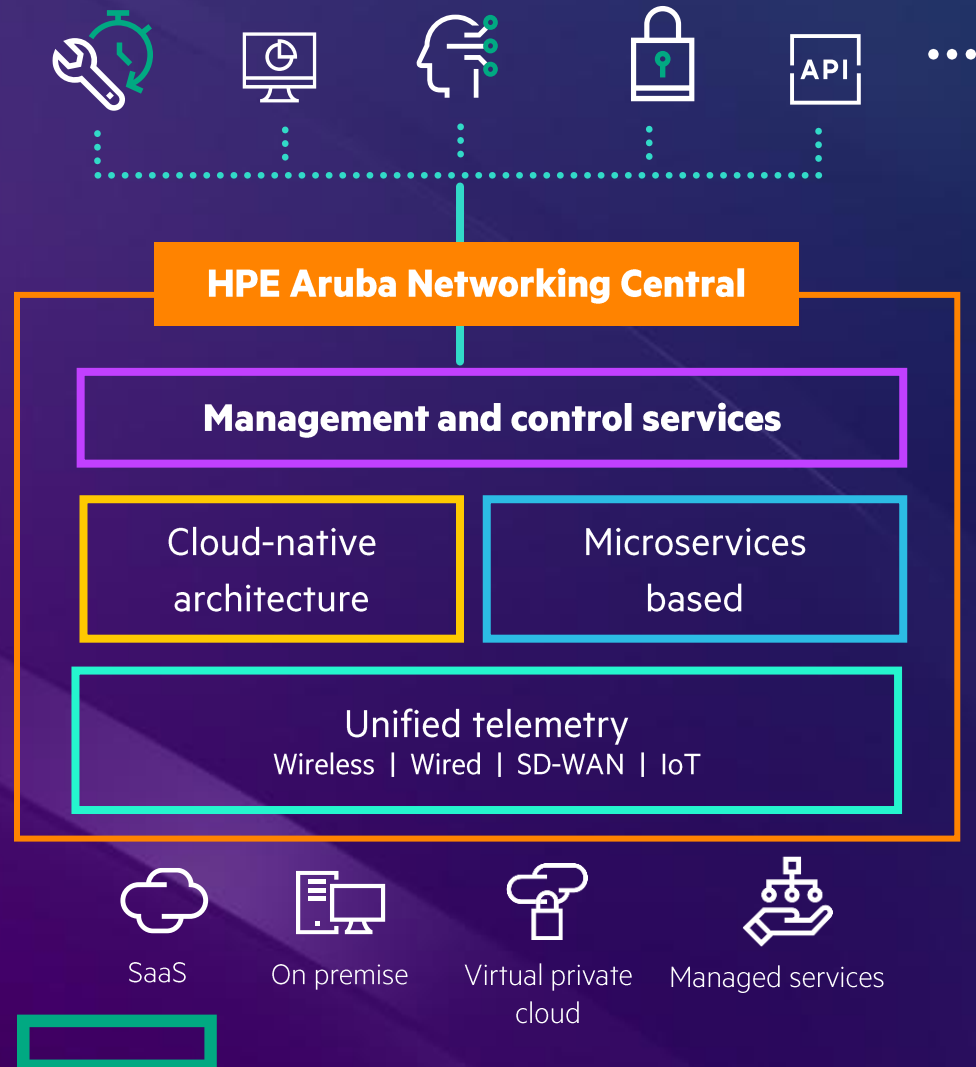Delivering distinctive experiences and innovative business results

Powered by HPE Aruba Networking Central

Remote | Branch | Cloud | Campus | Data Center

Automate
- Onboarding
- Provisioning
- Management & Orchestration
- AIOps & Troubleshooting
- Analytics & Optimization
- Location

AI and Automation

Protect
- Visibility
- Authentication & Authorization
- Micro-segmentation
- Continuous Monitoring
- Network Access Control
- SSE

Zero Trust & SASE Security

Connect
- Wireless
- Wired
- SD-WAN
- 5G
- IoT

Unified Infrastructure

HPE GreenLake for Networking

HPE Aruba Networking Central

Cloud-native, AI-powered network management and orchestration

HPE Aruba Networking Central

Management and control services

Cloud-native architecture

Microservices based

Unified telemetry
Wireless | Wired | SD-WAN | IoT

API

SaaS

On premise

Virtual private cloud

Managed services

AI and Automation

- AI insights for faster troubleshooting and optimization
- Gen AI-powered search
- Proactive user experience monitoring with UXI
- Live upgrades and robust reporting
- Intent-based workflows, and automation

Built-in support for Zero Trust and SASE security

- AI-powered IoT profiling to close visibility gaps
- Consistent policies and access control
- Simplify security at scale

Unified management and orchestration

- Single point of control and visibility
- Unified across WLAN, LAN, and SD-WAN
- High availability with live upgrades
- Zero touch provisioning

Next-generation HPE Aruba Networking Central
Unleash IT productivity across Day 0 to Day N network operations

Next-generation Central
Transforming the network operator experience

GenAI powered

How do I add a new SSID profile in Aruba Central?

Summary:

To add a new SSID profile in Aruba Central, follow these steps:

1. **Set Filter:** Set the filter to a group with at least one AP. The dashboard
2. **Navigate:** Go to **Manage** > **Devices** > **Access Points**.
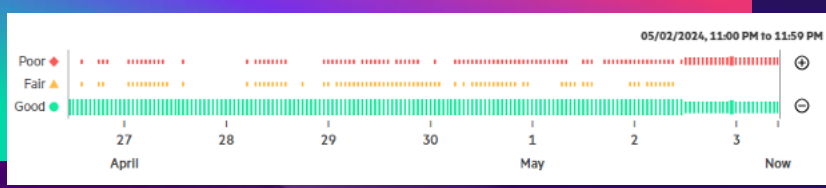
Self-contained, purpose-built LLM

User intent accuracy and sub-second response times

Entity-centric navigation

Reduced number of clicks

Minimized manual correlation

Device-agnostic configuration

Unified across APs, switches, gateways

100% API support
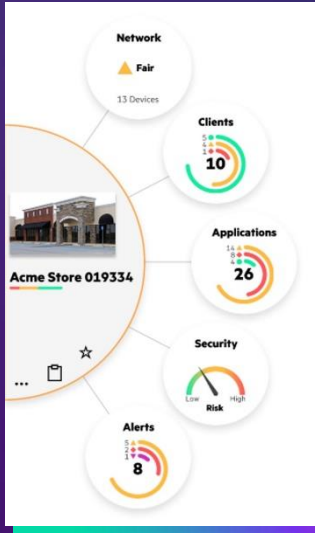
Network 'time travel'

Holistic 'point-in-time' view

Up to 7 days history

Reduced MTTR

Proactive insights for network optimization
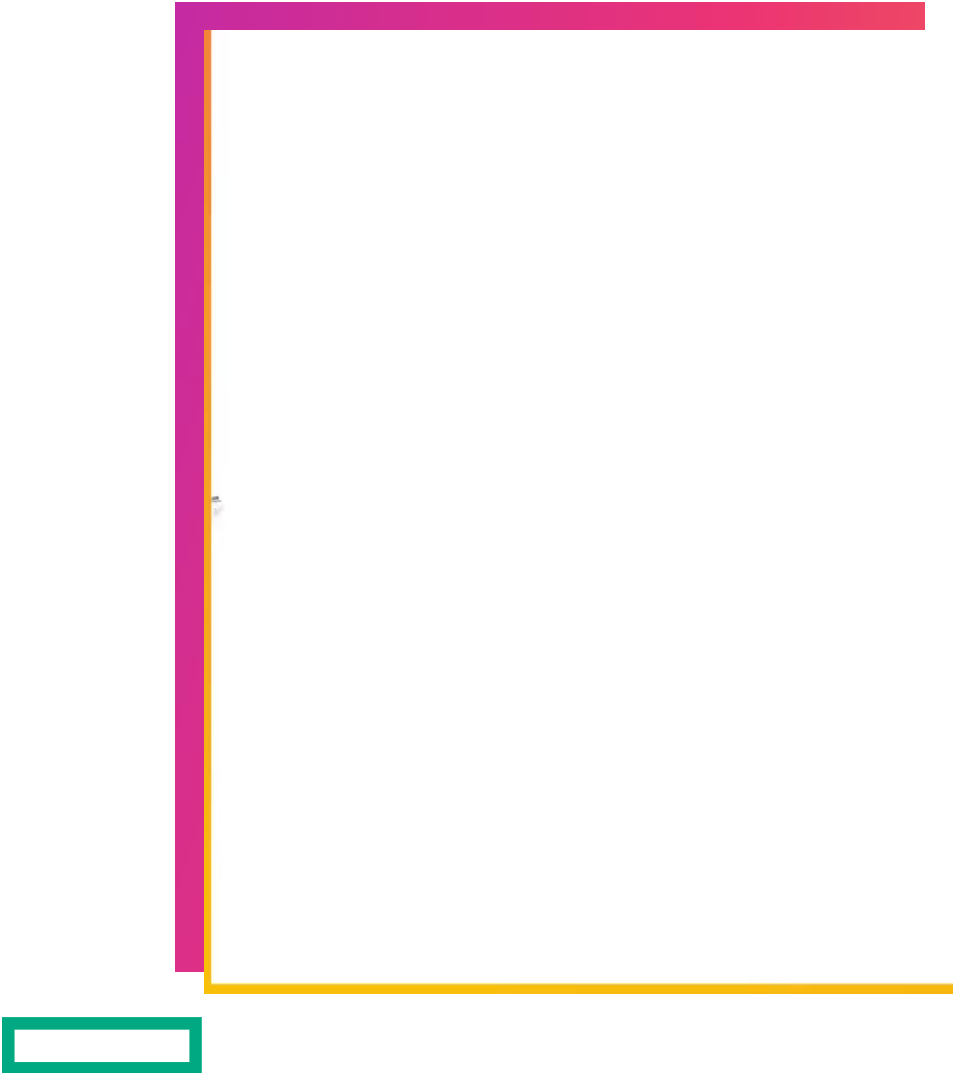
Actionable recommendations for improved IT efficiency

'Sunburst' topology
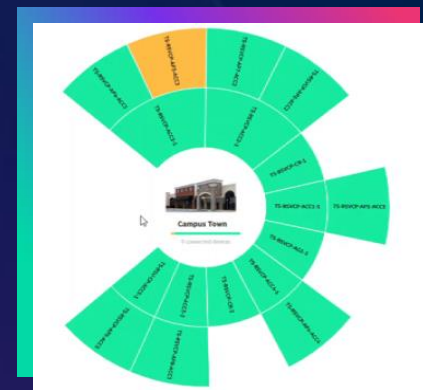
Intuitive physical and logical views

Scalable to any size network, with rich filters to aid troubleshooting

Access Point Firmware Recommendation Available

Enable WPA3 for Better Security

WIFI security will improve for clients by enabling WPA3 on your WLANs, including...

AI-powered optimization

6

Entity-centric 'solar system' view
Reduce navigation clicks and minimize manual correlation

- Promotes **quicker discovery** without navigating across several screens and tables

- **Proactive summarization** with 'blended' indicators

- Seamless switching between site, network devices, clients, applications etc.

- Access to unified network device and client lists

Industry-first network 'time travel'

Helping IT teams answer 'What changed? When? Why?'

Poor ◆ ⊕
Fair ▲
Good ● ⊖
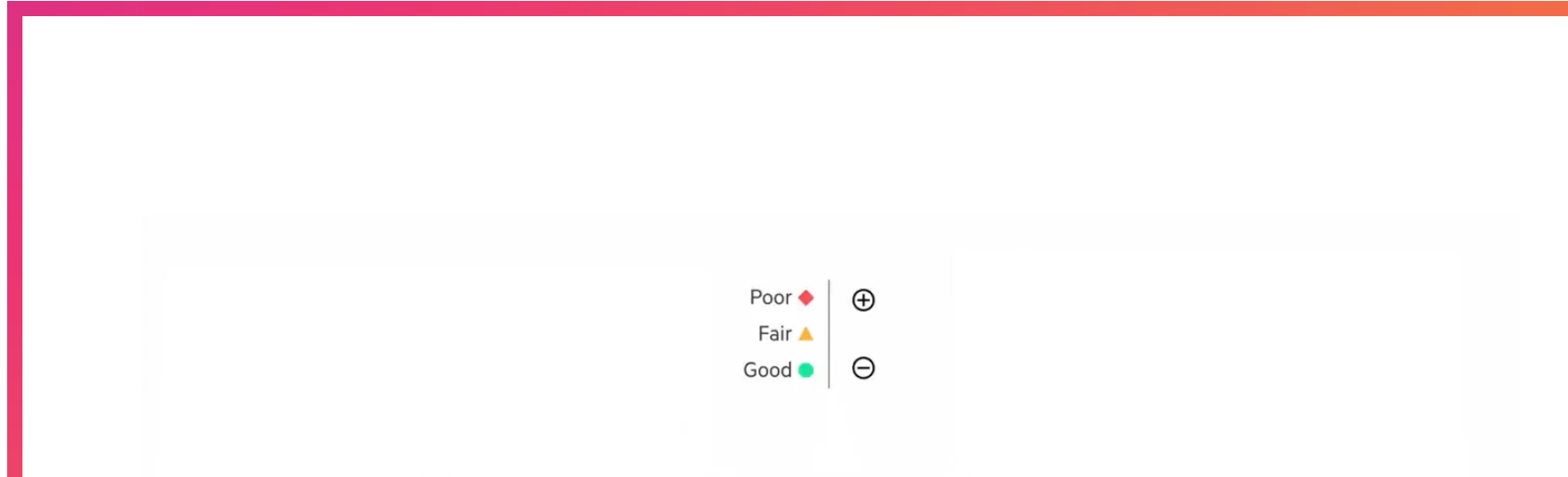
- Holistic **'point in time'** network snapshot to troubleshoot difficult issues

- Deep correlation that goes beyond manual analysis of event logs and packet captures

- Move back in time for up to **7 days**, with granularity of **1 min**

- On selecting a timestamp, all dashboard views reflect what the network looked like at that point

Network operations dashboard

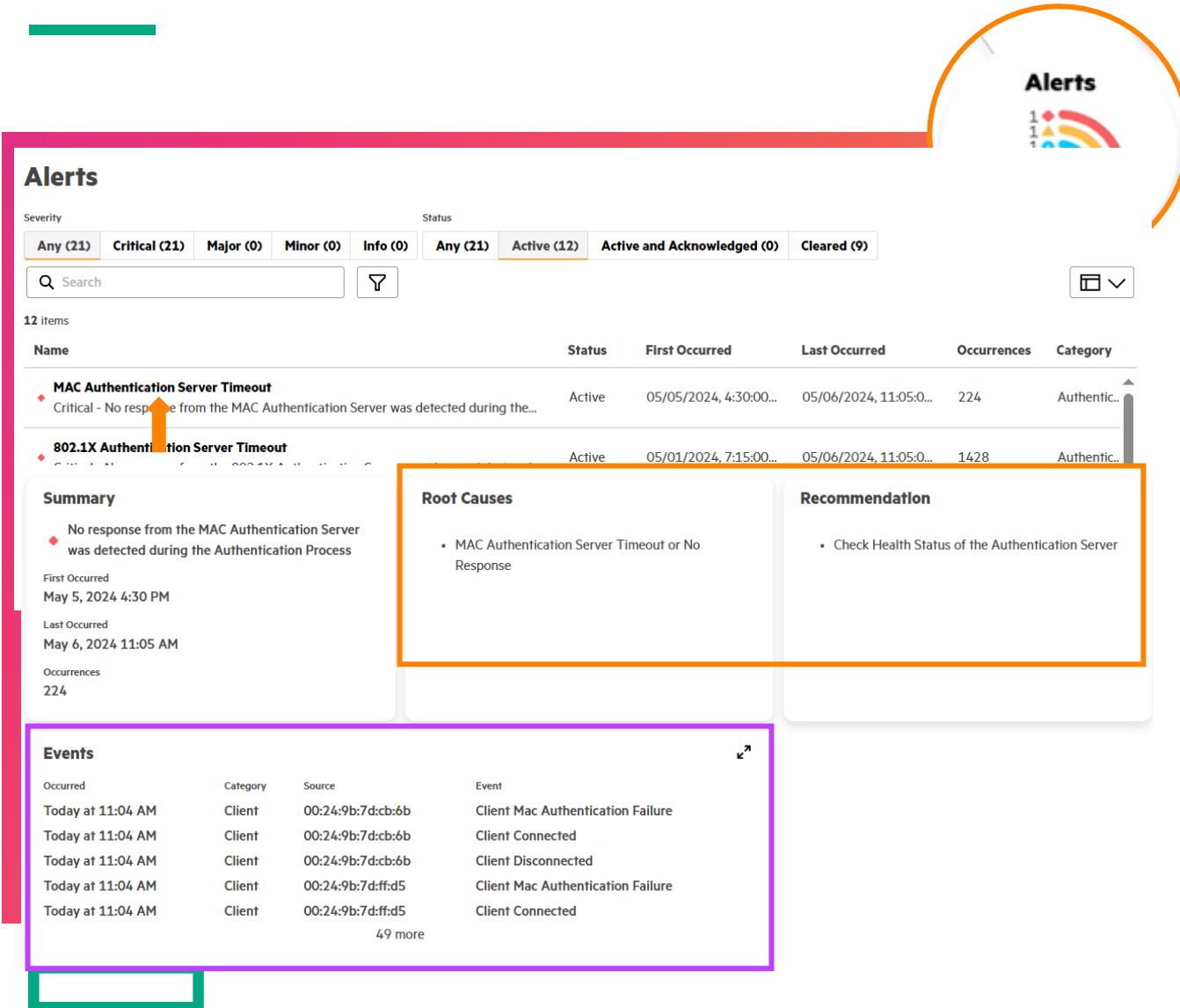Powerful 'command center' view to direct operator attention
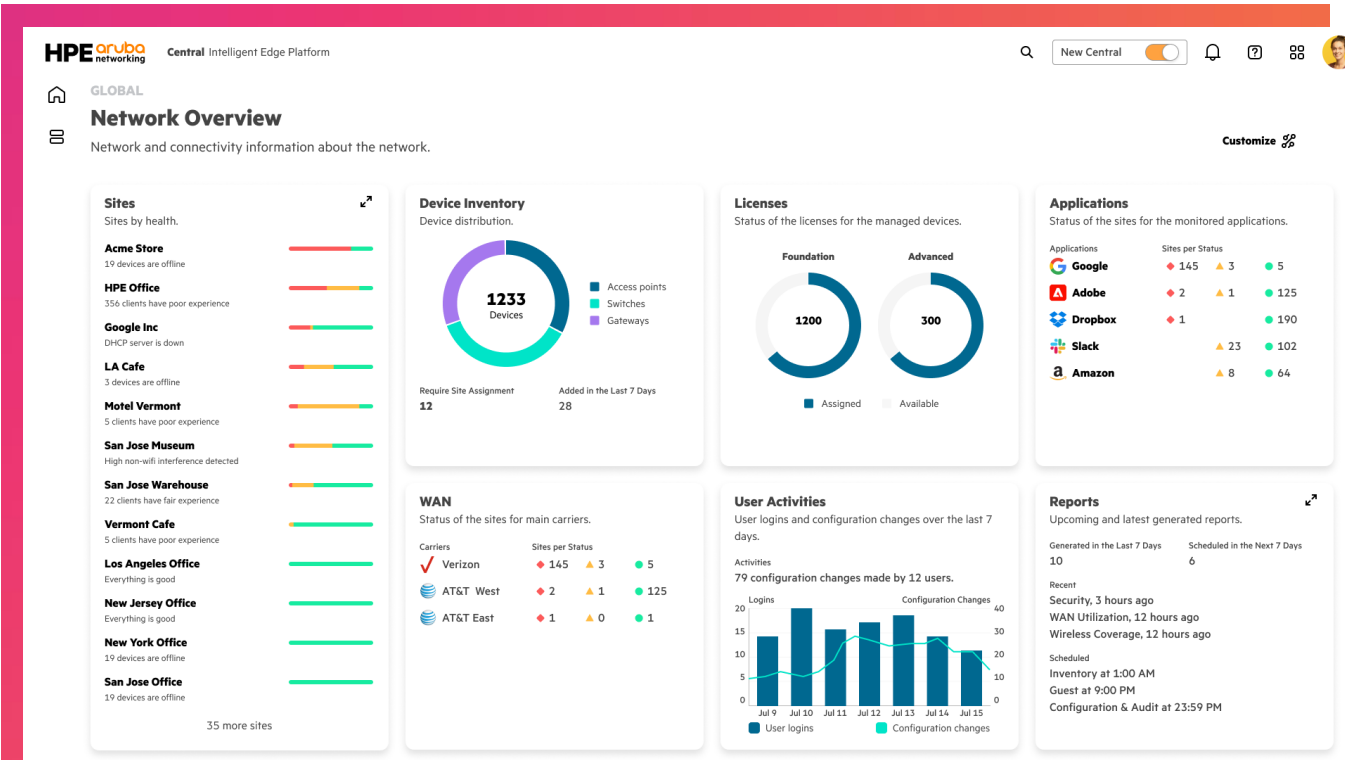
- Unified view of the network for quick assessment of site health, application experience , device inventory, and more

- Optimizing the **'to-do' list** of a network operator

- Blended indicators highlight issues requiring **immediate attention**

AI-driven assurance and alerts
Accelerate troubleshooting across skill levels

- **Event-to-insight in <5 minutes** with near real-time alerts, speeding up MTTR

- **Full-stack correlation** with precise root-cause, recommendation and **impact**

- Reduced alert fatigue with consolidated list of triggered events

- Assurance indicators for device health and client experience for quick diagnosis

AI-powered client profiling
Enhance endpoint visibility for Zero Trust networking
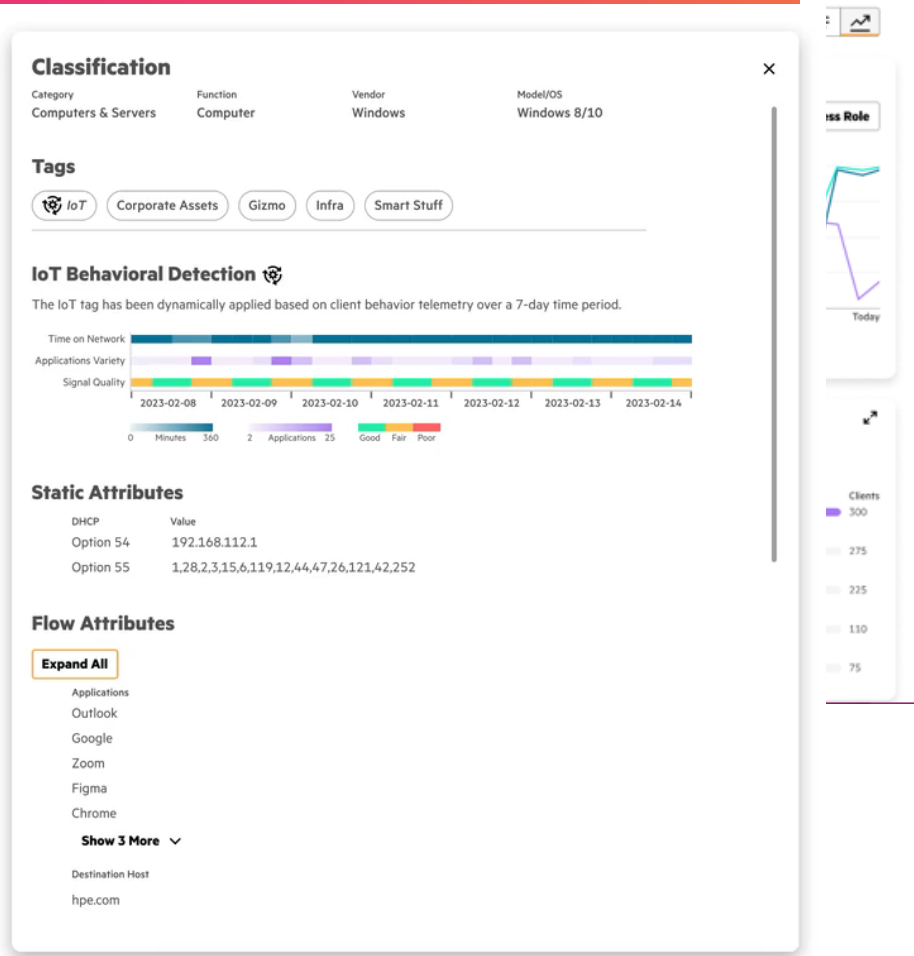
- Only solution with AI-powered IoT profiling and **behavior analysis** for segmentation accuracy

- **Traffic flow visibility** for high classification efficacy and enhanced protection

- Advanced filtering and custom group tagging aid in policy creation and enforcement

AI-powered recommendations

Free up valuable IT cycles and reduce risk with proactive optimization insights
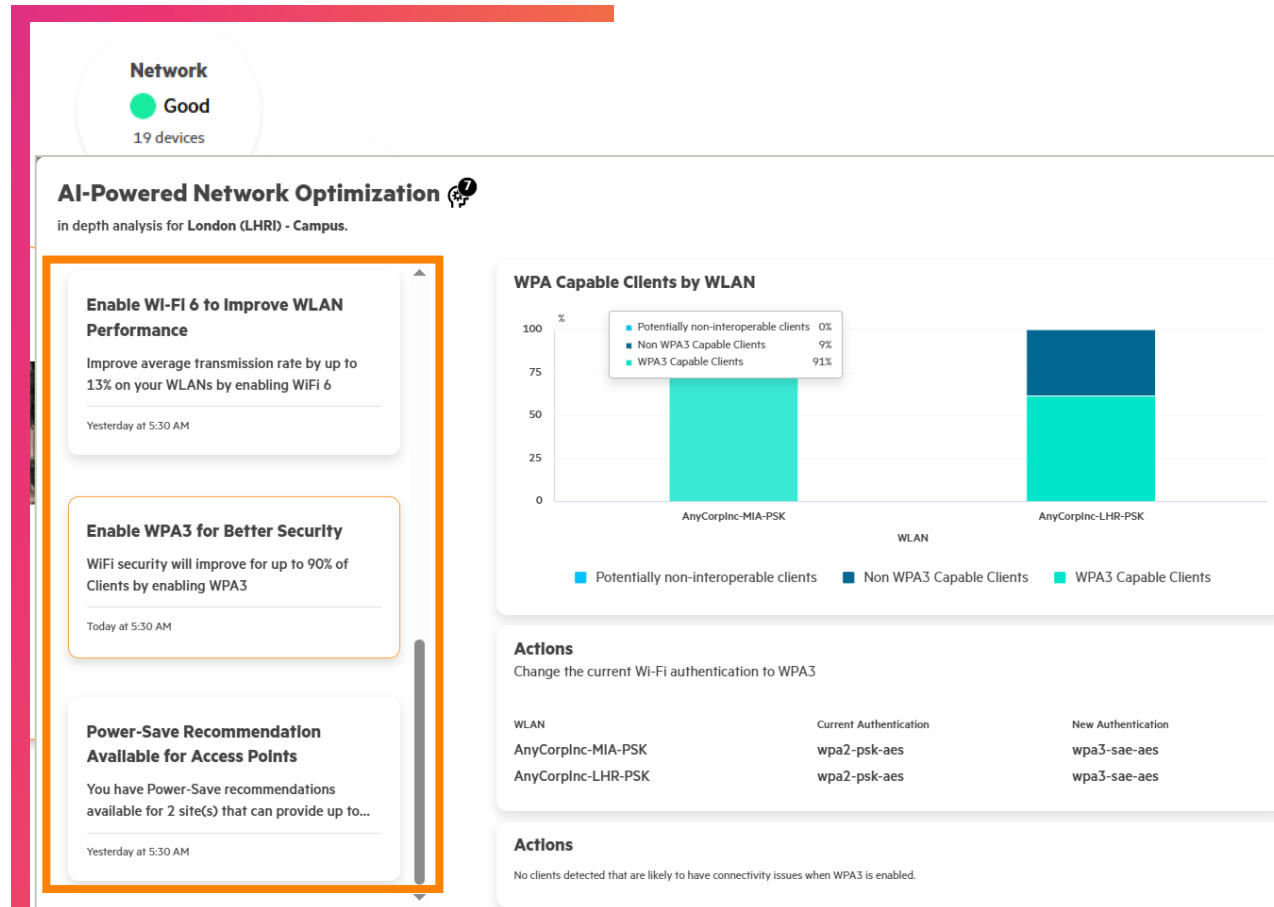
- **Custom, actionable recommendations** at a global/per-site basis

- 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!**

Gen AI powered search

## Enhanced with enterprise-grade LLMs for improved operator experience

- 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

- **Uncompromised security** with no external API interfaces, and no PII/CII shared beyond customer instance

'Sunburst' topology
Speed up analysis and troubleshooting with a bird's eye view
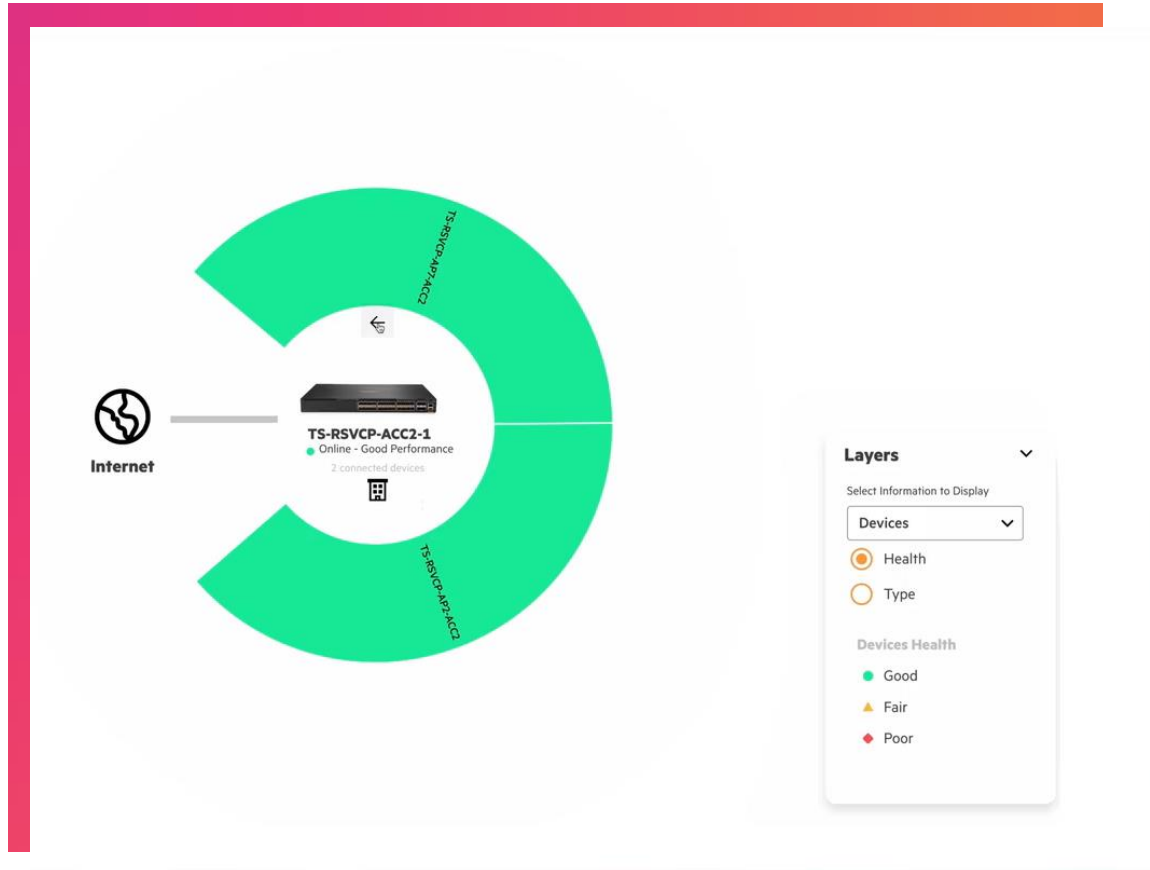
- Intuitive visual representation of the physical and logical network connectivity

- Scales for **networks of any size** and complexity, unlike traditional network diagrams

- Allows administrators to get to the **right context - quickly**

- Rich filters with physical and logical elements (such as health, VLAN, Client density, and AP radio integrity)

- Change the center or reference point of the visualization for further drilldowns

Flexible, enterprise-grade configuration
Automate and streamline network configuration at scale with unified workflows
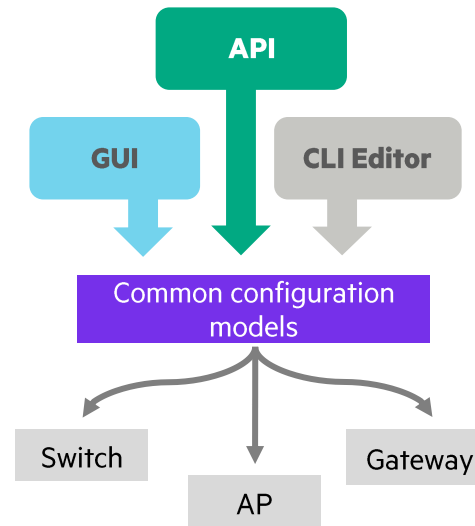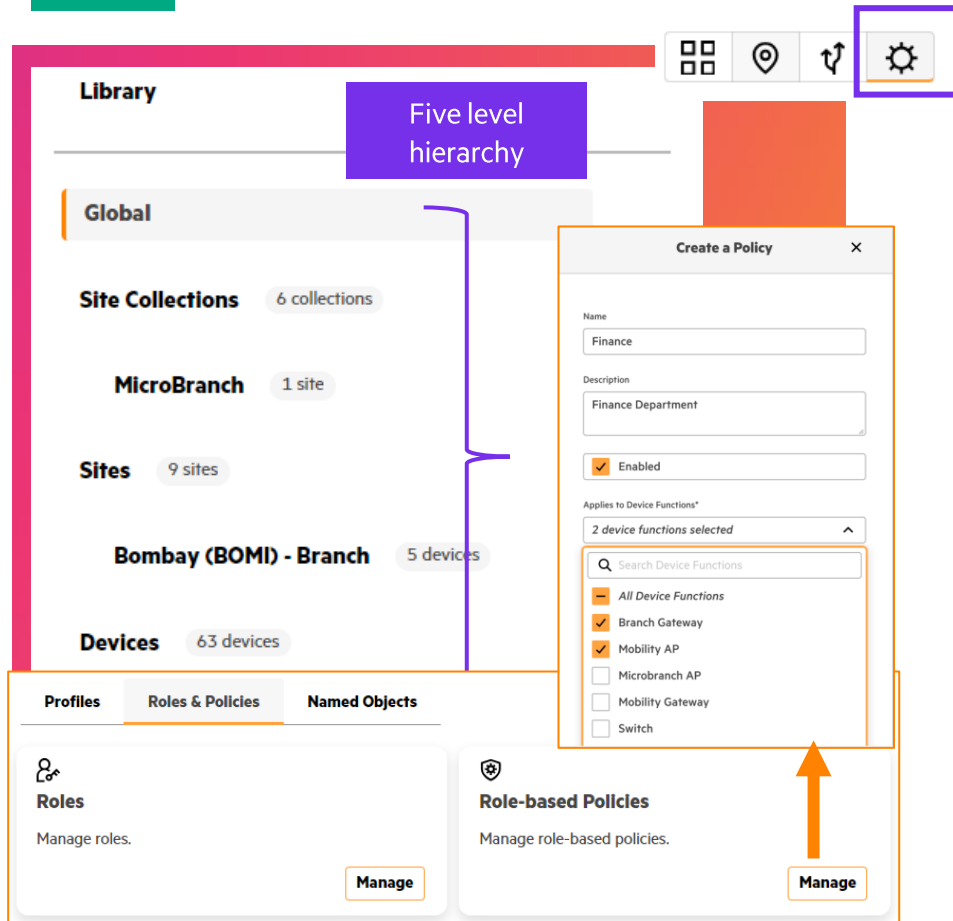
- **Multi-level hierarchy** with global, site collection, sites, device groups and devices

- Granular control to **model complex configurations**

- Reusable profiles that are **configured once** and applied as required

- Standardized workflows to abstract config complexity and reflect business intent

- Advanced data modelling to **automatically generate** device specific configurations

- **100% API support** unified across device types

Next-generation Central
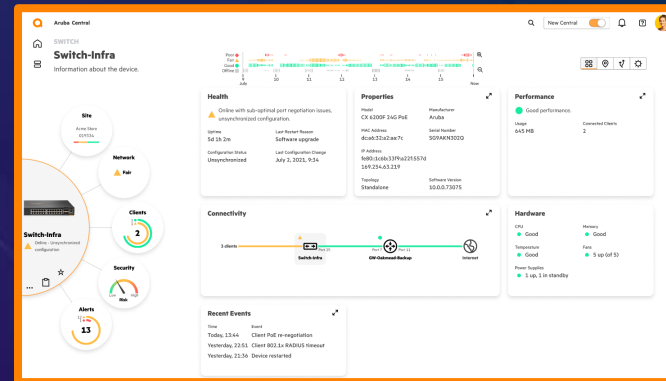## Transforming the network operator experience

Maximizing IT efficiency

Contextual data representation based on **user-intent** and minimized manual correlation

Reduced MTTR

AI-powered workflows , powerful troubleshooting tools, and pragmatic assistance for **faster root cause analysis**

Operational simplicity
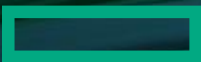
Software-defined, intent-based and **device agnostic** configuration workflows

Enhanced programmability

100% API-first model for high degree of interoperability

Thank you