

atmosphere'23

BELGIUM

Protecting a Modern Workforce with SSE

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Top priorities for IT leadership










Business is moving from trusted networks to outside the security perimeter



– “Users work from anywhere”

- Home
- Office
- Hybrid
- On the Go

– “Applications are moving”

- SaaS   M365  slack
- IaaS/PaaS   aws   ORACLE
- But also staying on-prem

– “New connectivity options”

- Broadband
- Satellite
- Cellular

Enterprises are looking for a new set of outcomes

Cloud First, Zero Trust Security with Total Visibility

Secure access to apps across hybrid environments

Full Visibility into user access sessions

Inspection of all traffic when needed

Simplified end user experience

Optimised Connectivity to Any Application, In the Cloud or On-Premise

SaaS app performance monitoring

Automation across network environment

High quality, real-Time app experience over any circuit

Direct, optimized connectivity to public cloud Workloads

Gartner's answer for enterprises = “SASE”

- SASE is an architectural framework
- SASE connects and secures users, devices, and locations as they work to access applications from anywhere
- Two components: WAN Edge & Security Service Edge
- “I&O teams implementing SASE should prioritize single-vendor solutions and an integrated approach.”

Gartner

Delivered with Aruba Networking Unified SASE

Security Service Edge (SSE)



Zero Trust Network Access (ZTNA)

PRIVATE APPLICATIONS

VPN Alternative – better UX, safer (Zero Trust), users not on network

Secure Web Gateway (SWG)

INTERNET ACCESS

Web proxy alternative – replace outbound security stack in DC

Cloud Access Security Broker (CASB)

SaaS APPLICATIONS

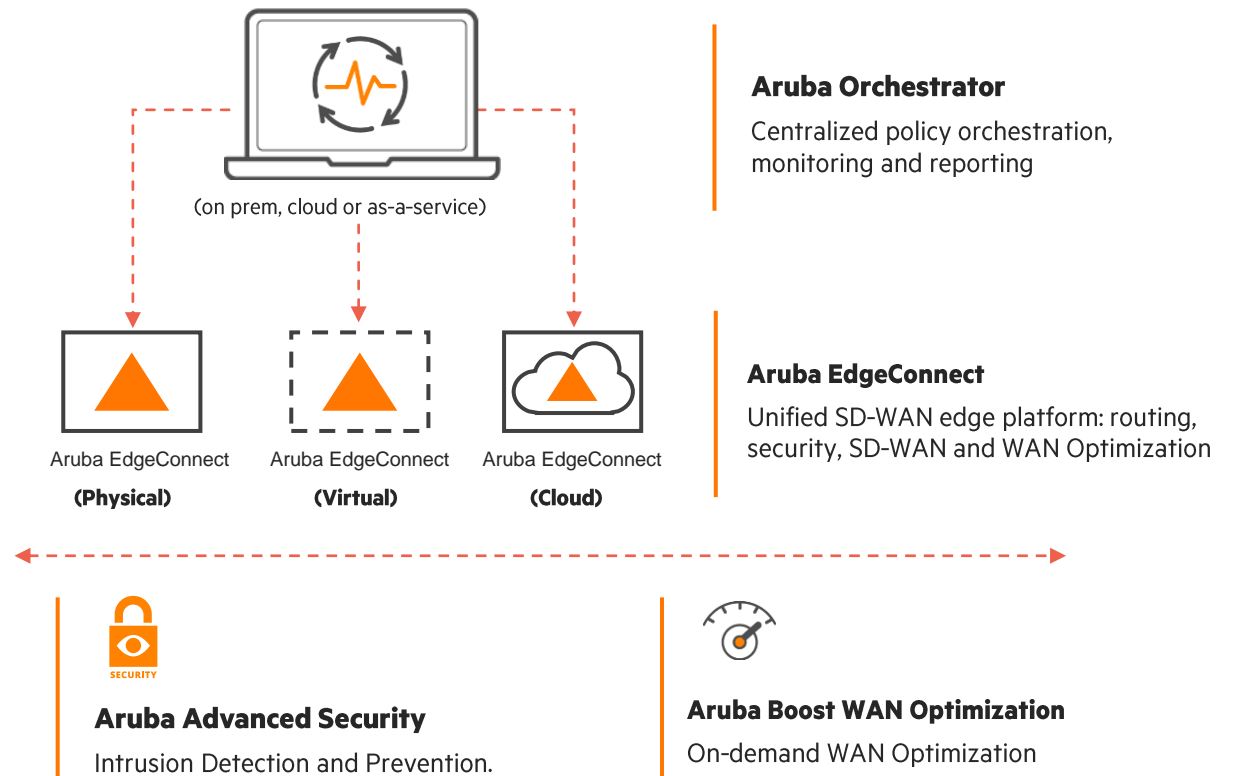
Protect users and data when using SaaS applications

Digital Experience Monitoring

PERFORMANCE MONITORING

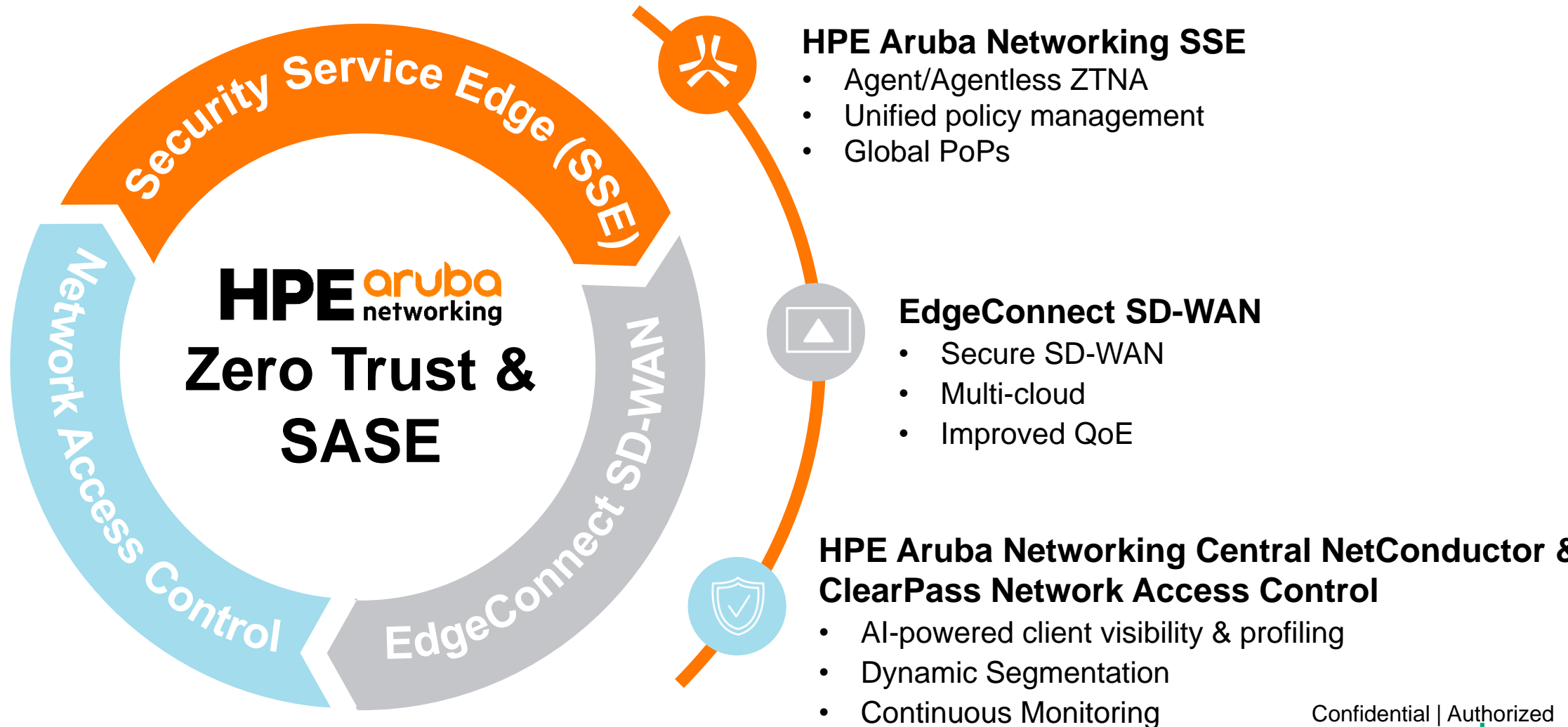
Visibility – end to end view on user experience. Transform support desk.

Software Defined WAN (SD-WAN)



HPE Aruba Networking Approach to Zero Trust and SASE

Apply zero trust security controls to protect users and applications, no matter where they connect



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Meet “Axis” now “Aruba Networking SSE”

Mission: To elevate secure access to power a modern workplace where people, and technology, work in harmony.



Founded in 2018
Acquired by HPE 2023



Unified SASE Vendor



Forbes Global 2000



SIMPLE, SMART, SECURE

Introducing Jaye



Jaye Tillson

Field CTO

Highlights

25 years implementing Strategic global IT programmes

- **Co-founder of the SSE Forum**
- **Board member of CSA**

Latest Episodes



Discussion with Patrick Carter

In this episode, Jaye and John discuss with Patrick Carter how he got into the industry, the cloud, top risks, personal experiences of the cloud, how to transition to the cloud, how zero trust affects cloud migrations, and much more.



Discussion with Sam Cheatham

In this episode, Jaye and John discuss with Sam Cheatham how he got into the industry, burnout, and burnout prevention, zero trust, industry trends, how to break into the industry, and much more.



CISO Visionaries ft. Erik Boemanns

In this episode, Jaye and John discuss with Erik Boemanns how he got into the industry, E.B Spoke, Cloud, Zero Trust, why he posts 'open to work' and much more.



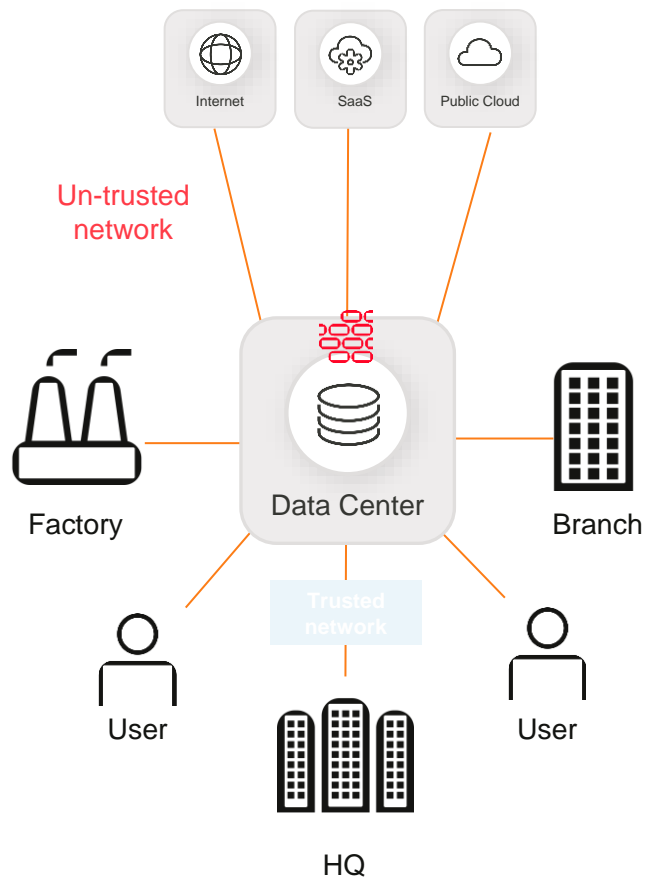
CISO Visionaries ft. Christophe Foulon

In this episode, Jaye and John discuss with Christophe Foulon how he got into the industry, the role of the vciso, leadership, helping others, mentoring, his podcast, advice for breaking into cyber, and much more.

The approaches for accessing business resources

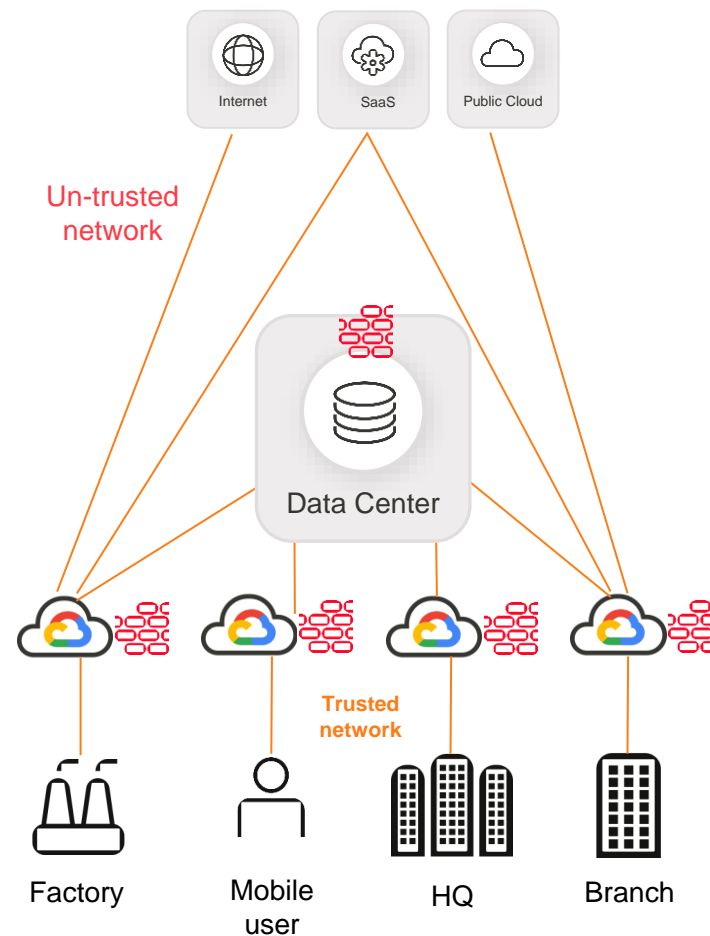
Legacy Architecture

Hub and spoke network +
perimeter-based security



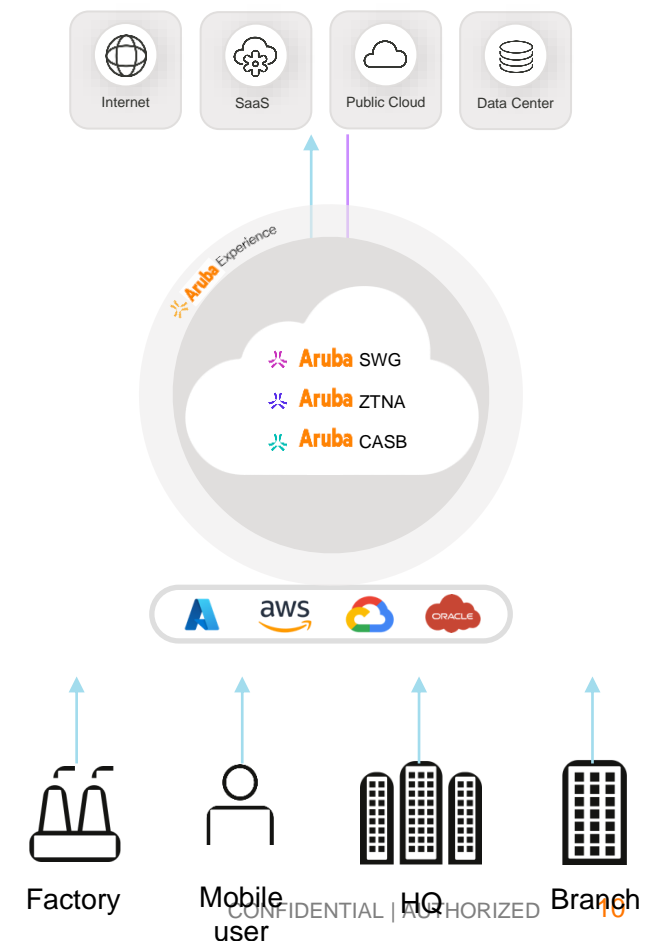
“Lift & Shift”

Legacy firewall vendors
approach to cloud



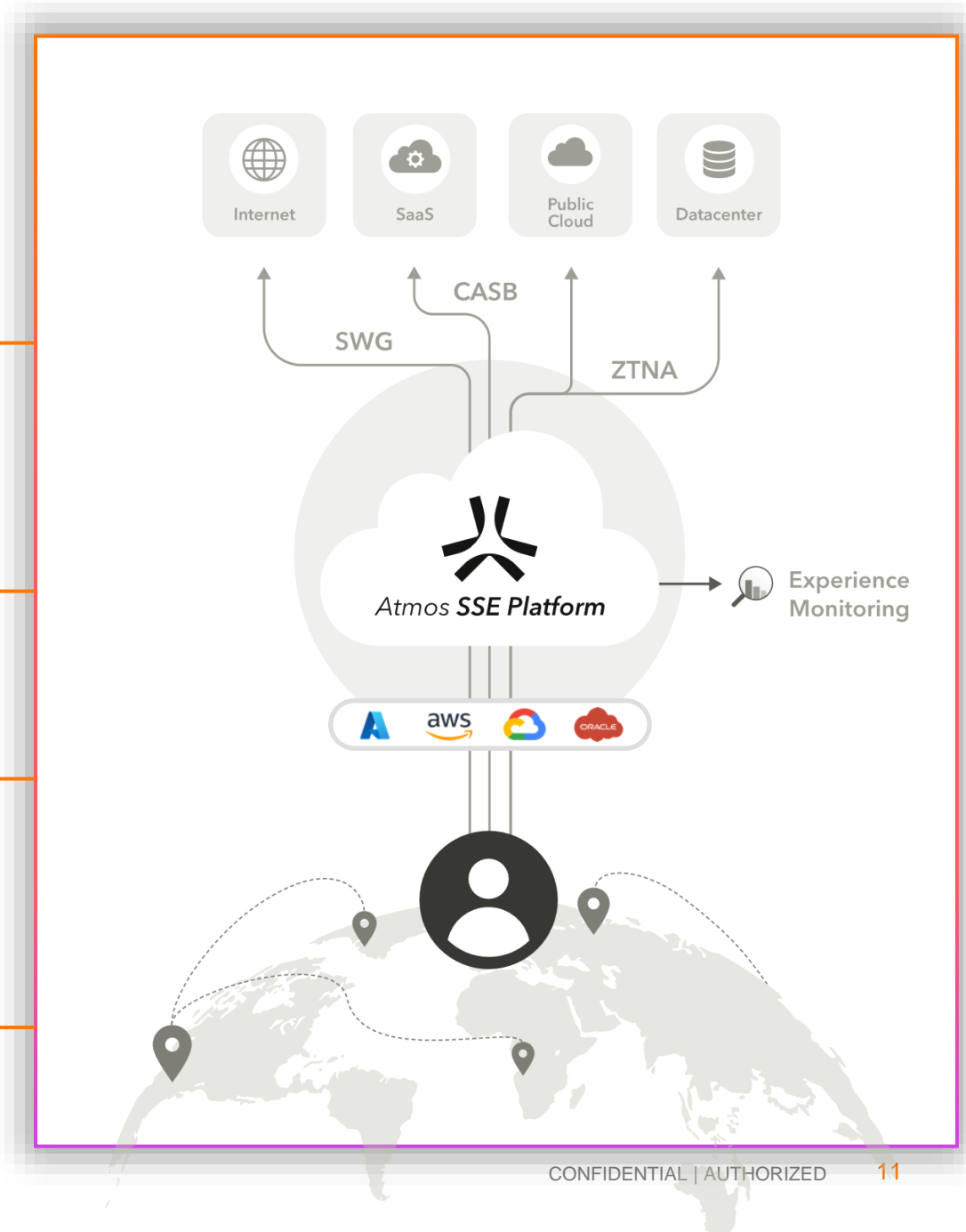
Modern Approach

ZERO TRUST
Connectivity-as-a-Service
via cloud



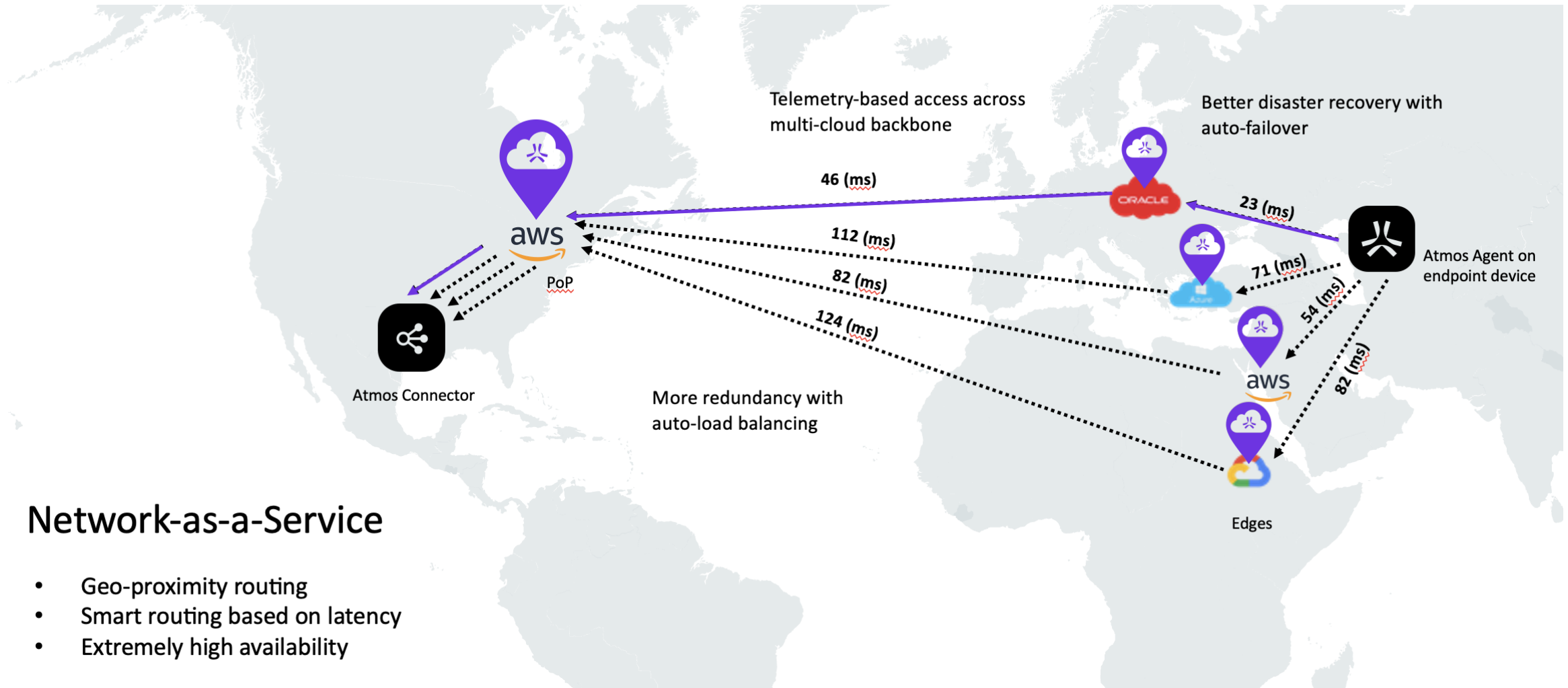
What's different about Aruba SSE?

- Focus is on unified – one UI, one policy, one platform (ZTNA, SWG, CASB, DEM)
- Goal is to simplify policy & inspect any traffic for Internet, SaaS, and legacy apps (SSH, RDP, VOIP, AS400, ICMP etc.)
- Ability to harmonize access across the world via smart routing and a cloud-backbone on AWS, Azure, Google, and Oracle
- Purposely designed to enable users to access resources with or without an agent



Distributed cloud architecture:

High reliability, availability, and scale



Network-as-a-Service

- Geo-proximity routing
- Smart routing based on latency
- Extremely high availability

Eliminating the VPN is the first step....

Keep Users Off The Network

Reduce attack surface of infrastructure

DDoS proof Private Apps

App Discovery

Agentless Web, SSH, RDP, Git, DB Access

Deep Inspection/ Continuous Authorization / Visibility

Per app segments, Granular Control

Any Port / Protocol (P2P / VOIP, etc.)

Server Initiated Flows / Push Patching

1+ GBPS Speeds & Low Latency

ZTNA 1.0



Aruba SSE



Product Demo

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