

a Hewlett Packard Enterprise company

UNIFIED INFRASTRUCTURE

TECH TALK

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APJ Category Manager – NW Management & Security

Budhaditya has worked in HPE's networking business units from ProCurve through to Aruba as a Systems Engineer & SE Manager . In his recent role as Category Manager Asia Pacific Region his charter is to drive Central & Security portfolio across APJ.

Budha has 20 years of Industry experience in Networking . He has been a key contributor to many of the Key Wins for HPE Aruba India.



Aruba Unified Infrastructure

A Single Pane of Glass for Campus, Branch, and Remote

Budhaditya Mukherjee

July 30th , 2020

AGENDA

- Aruba Edge Services Platform
- Customer challenges and use cases
- What is Aruba Unified Infrastructure?
- Aruba Central Demo
- Quiz



ARUBA EDGE SERVICES PLATFORM (ARUBA ESP)

AIOPS AI Insights | User Insights



UNIFIED INFRASTRUCTURE

Wi-Fi | Switching | SD-WAN | 5G onramp | IoT



ZERO TRUST SECURITY

Dynamic Segmentation | Device Insight



Financial and Consumption Flexibility _

HPEFS | Managed Connectivity Services

How can Aruba ESP provide new value to customers?

We continue to help accelerate the customer's digital transformation



Aruba ESP Key Benefits

- Help adapt quickly to market conditions
- Deliver intelligent insights to the business
- Adapt to reimagined workplace*
- Improve and optimize user experience
- Maintain compliance with regulatory standards
- Validate service quality and guarantees

What does it mean to be cloud-native?

Applications and services are purpose-built using cloud principles





https://blogs.gartner.com/thomas_bittman/2020/04/17/cloud-native-isnt-edge-native/

A range of issues are impacting the business







#4: Flexibility



#2: Continuity



#5: Management



#3: Troubleshooting

#6: Security



Use Unified Infrastructure to help solve real problems

#1: Scale

- Higher performance with AOS8 and CX
- Extended feature
 availability
- Reduce onsite footprint

#4: Flexibility

- Leverage a cloud-native
 network design
- Address both cloud-first and cloud-adverse requirements

#2: Continuity

- Ease the shift to work from home networking
- Aruba RAP- Same policies

 , SSID , Wired Access ,
 Visibility & Management

#5: Management

- Move to a single pane of glass for better visibility
- Start with SD-Branch value
- Aruba Central expands to large campus networks

#3: Troubleshooting

- Use AI Insight to improve network analytics
- Mimic end-user behavior to validate performance

#6: Security

- Protect against external threats using Aruba Threat Defense (IPS)
- Enforce policies with ClearPass and Dynamic Segmentation

And then continue to solve top-of-mind problems

#7: Business Recovery



Help enable business intelligence to transition to the new normal

Customers should upgrade campus networks before offices reopen

#8: Resiliency



Deliver 24/7 connectivity and reduced maintenance windows

Upgrade to AOS 8 and Aruba CX today for Live Upgrades and clustering

#9: Deployment



Reduce IT overhead and provision modern cloud services efficiently

SD-Branch and use Of Aruba Central for ZERO Touch Deployment

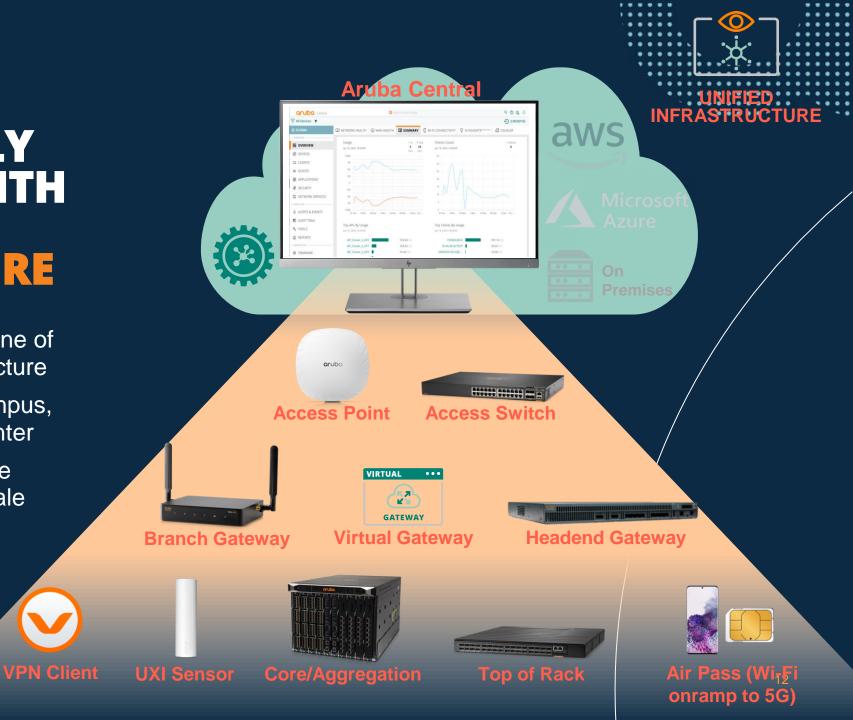
1: https://blogs.arubanetworks.com/solutions/addressing-cloud-security-challenges-in-aruba-central-secure-by-design/

SIMPLIFY DAILY OPERATIONS WITH A UNIFIED INFRASTRUCTURE

Aruba Central as the single pane of glass for Aruba ESP infrastructure

Single architecture across campus, branch, remote and data center

Controller-less cloud-native operations with massive scale



ARUBA CENTRAL – CLOUD NATIVE NETWORK OPERATIONS & ASSURANCE



Aruba Central

Cloud-native single-pane-of-glass for management, reporting and troubleshooting

Common infrastructure across campus, branch, WAN and data center

Key capabilities:

- Common wireless architecture
- Support for Enterprise class switches
- Network and user-based sensors
- **Enterprise wide AI Operations**
- Air Pass to unify 5G / Wi-Fi 6

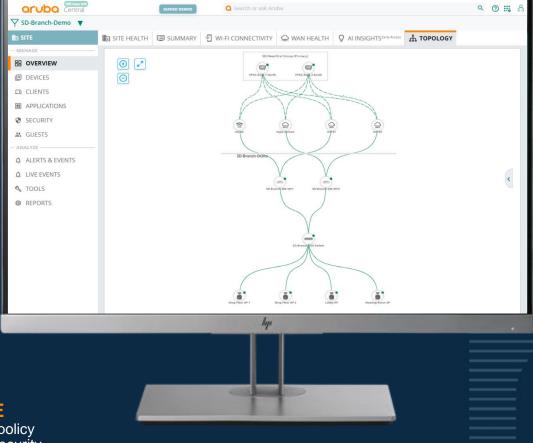
SIMPLE

Best-in-class, unified platform for amazing experiences

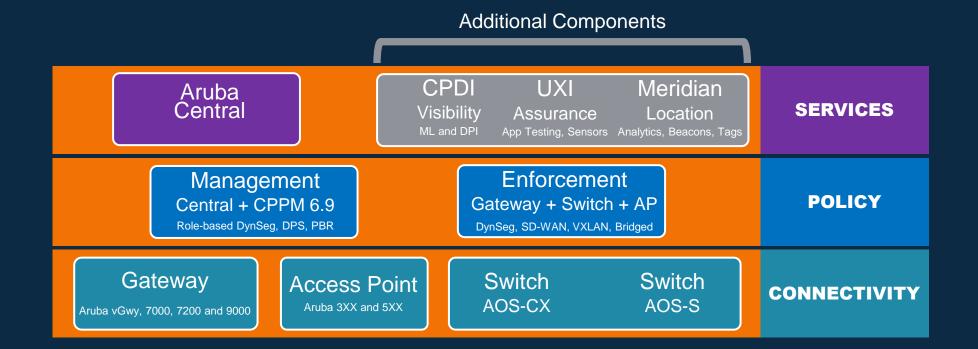
SMART

Intelligent assistance to optimize performance

SECURE Dynamic micro policy and embedded security



Unified Infrastructure Components



Aruba Campus

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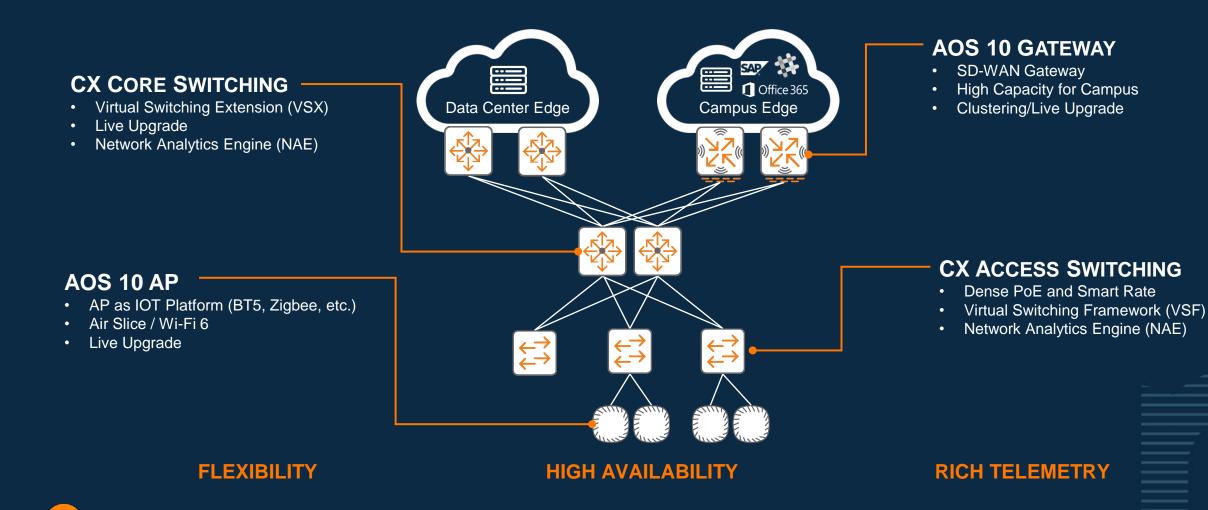
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ARUBA CAMPUS



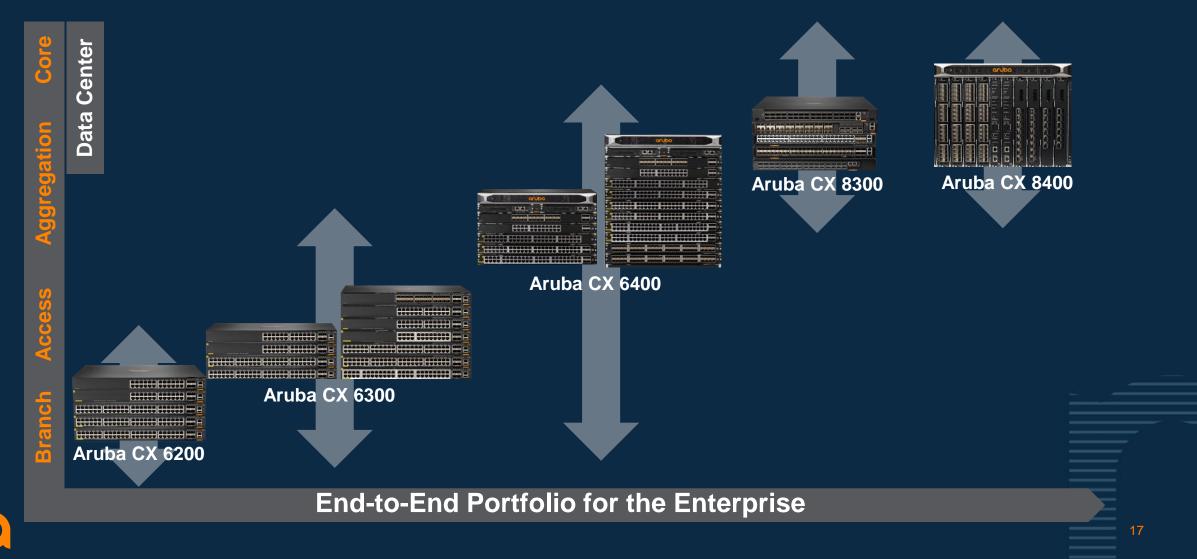
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AOS-CX SWITCHING







Smart PoE / Zigbee Radio /Air Slice

AI and Green AP

Live Upgrade

POLICY

OVERLAY



SERVICES

CLOUD NATIVE

 orubo
 orubo

 ARUBA 500
 ARUBA 510

 SERIES
 ARUBA 530

#1 IN WI-FI 6 MARKET SHARE

3,000+ Customers

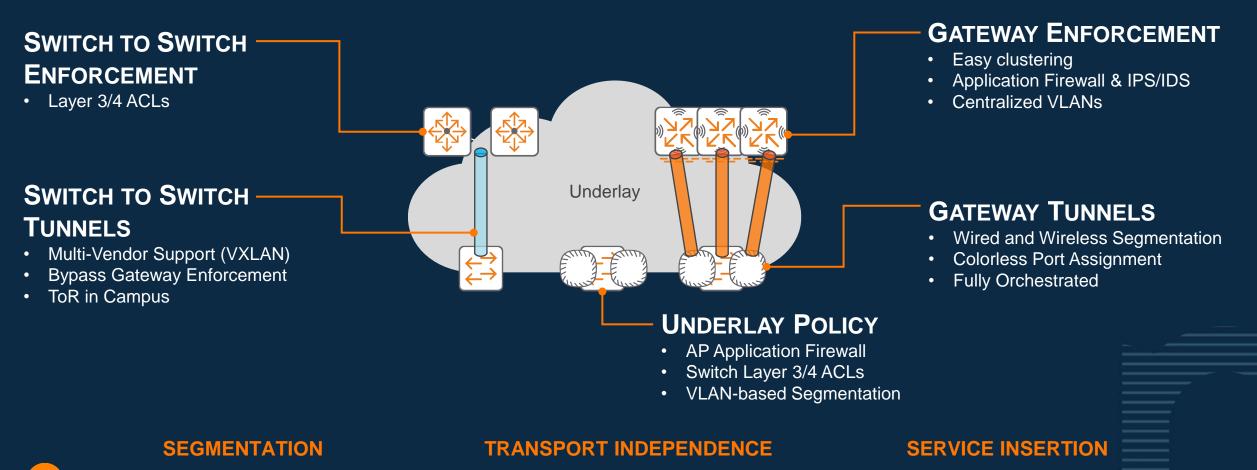
300,000+ Units shipped since 2018



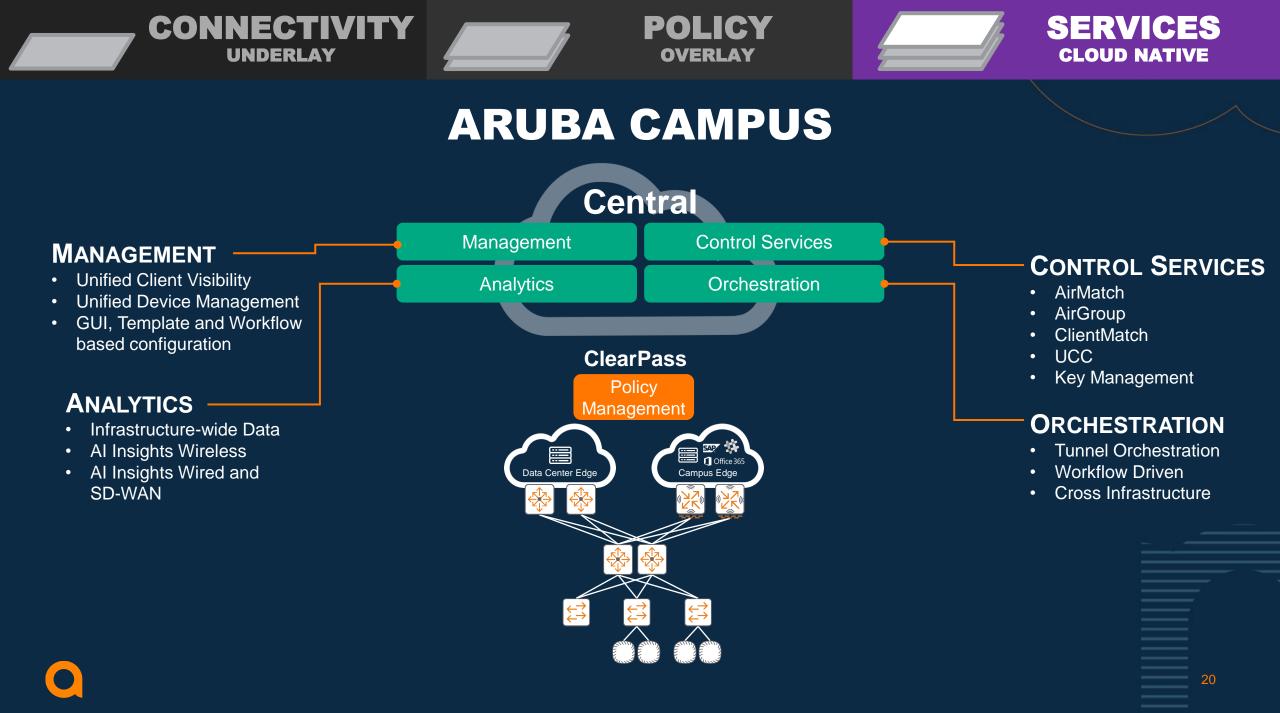




ARUBA CAMPUS



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Aruba SD-Branch

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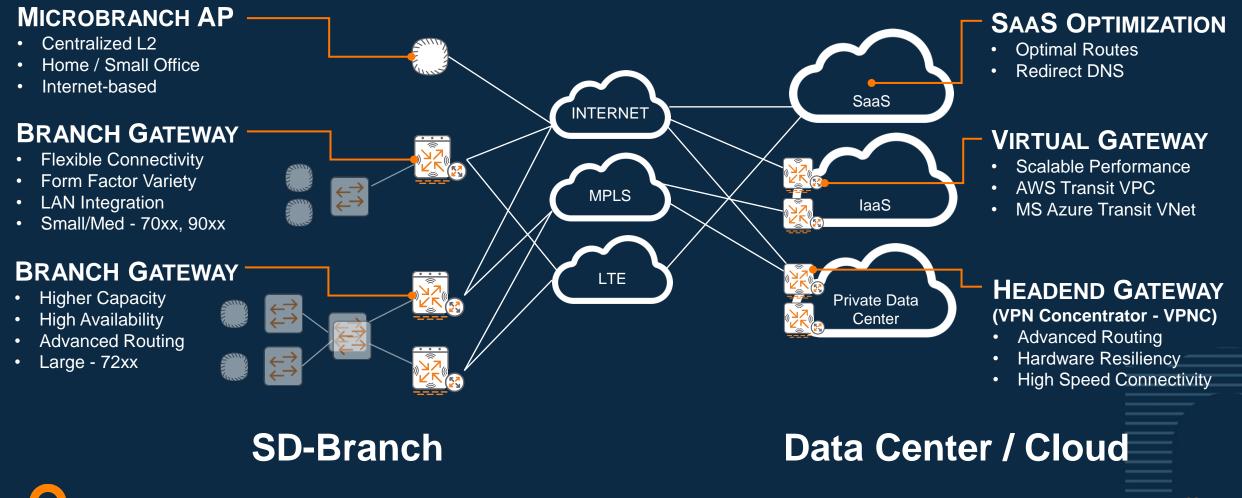
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ARUBA SD-WAN



UNDERLAY

CONNECTIVITY





SDWAN Portfolio of Gateways and Controllers







9004 Series Small/midsize branch 4 Gbps firewall throughput

7005/7008 Small branch w/ 4-8 ports and optional PoE 2 Gbps firewall throughput

7010/7024 Midsize/large branch w/16-24 ports and PoE 4 Gbps firewall throughput

7030 Large branch/small campus 8 Gbps firewall throughput **7210** Large campus 20 Gbps firewall throughput

7220/7240XM

High density large campus 40 Gbps firewall throughput

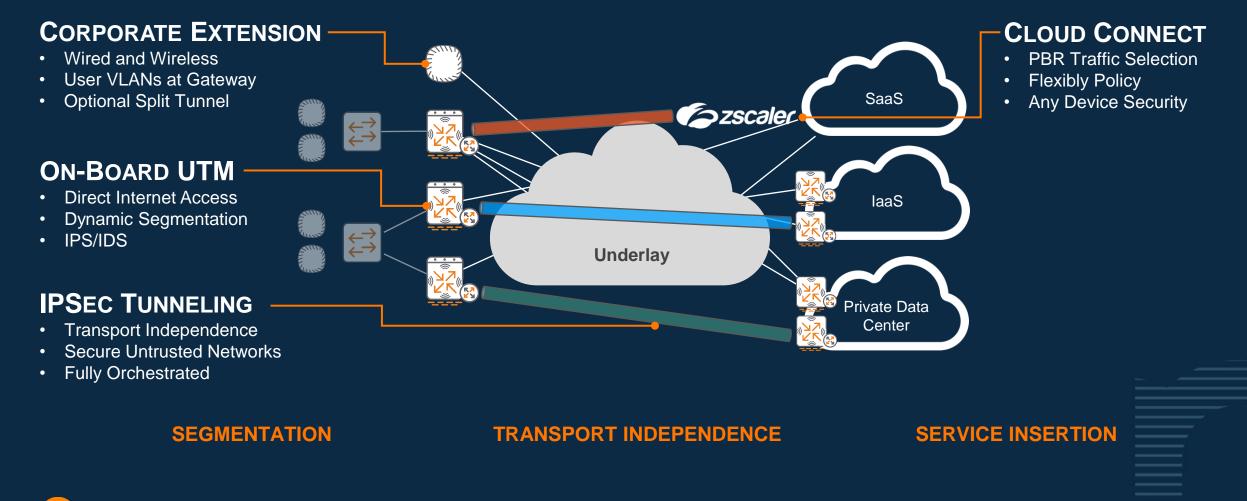
Aruba Model/SKU Name	Throughput	Supported AWS Instance	vCPU	Flash Memory (GB)	Tunnels
VGW-500MB	500 <u>Mbps</u>	c4.xlarge	4	15	1600
		c4.2xlarge	8	30	
		c4.4xlarge	16	60	
VGW-2GB	2 Gbps	c4.2xlarge	8	30	4096
		c4.4xlarge	16	60	
VGW-4GB	4 <u>Gbps</u>	c4.4xlarge	16	60	8192

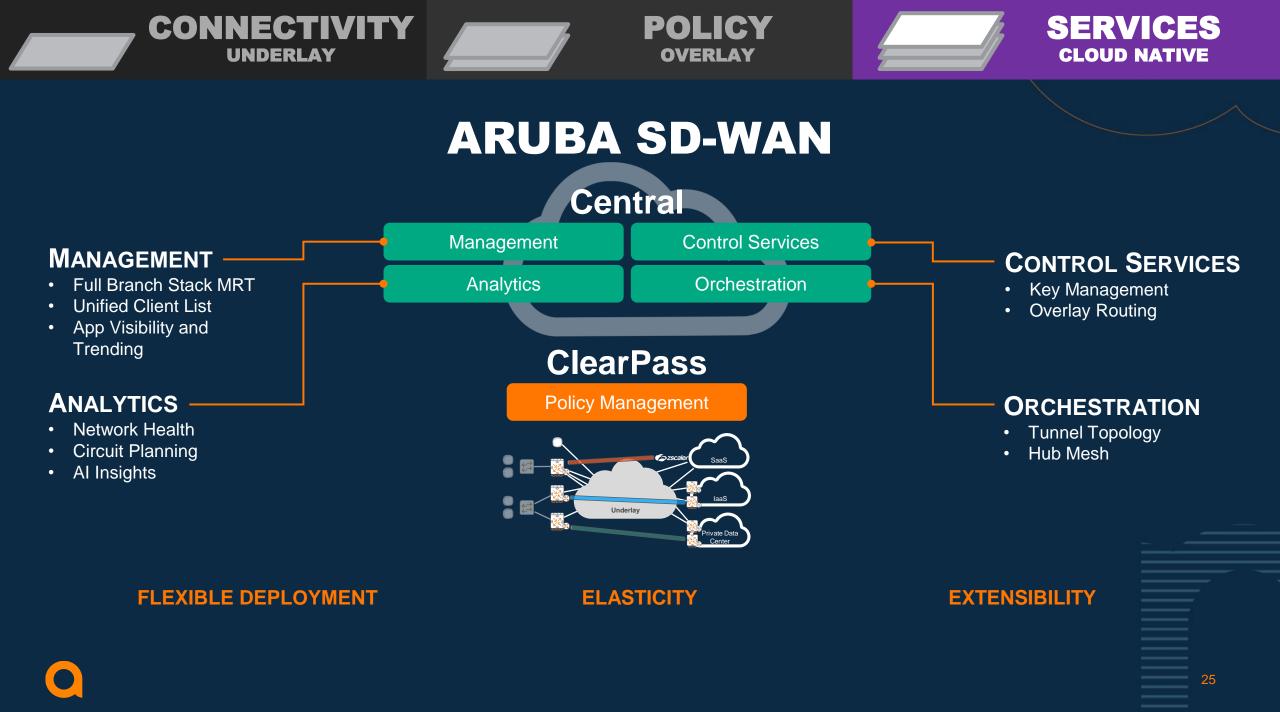






ARUBA SD-WAN





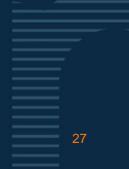
SIMPLIFYING INTEGRATIONS WITH ARUBA DEVELOPER HUB

Rich APIs across portfolio In-depth developer's documentation

Oruba Developer {HUB} Log In Aruba Developer Hub Q Search Want to integrate with Aruba platforms? You've arrived at the right place! EXPLORE OUR PRODUCTS ArubaOS 8 ArubaOS-CX Central **ClearPass Policy Manager User Experience Insight** STAY CONNECTED



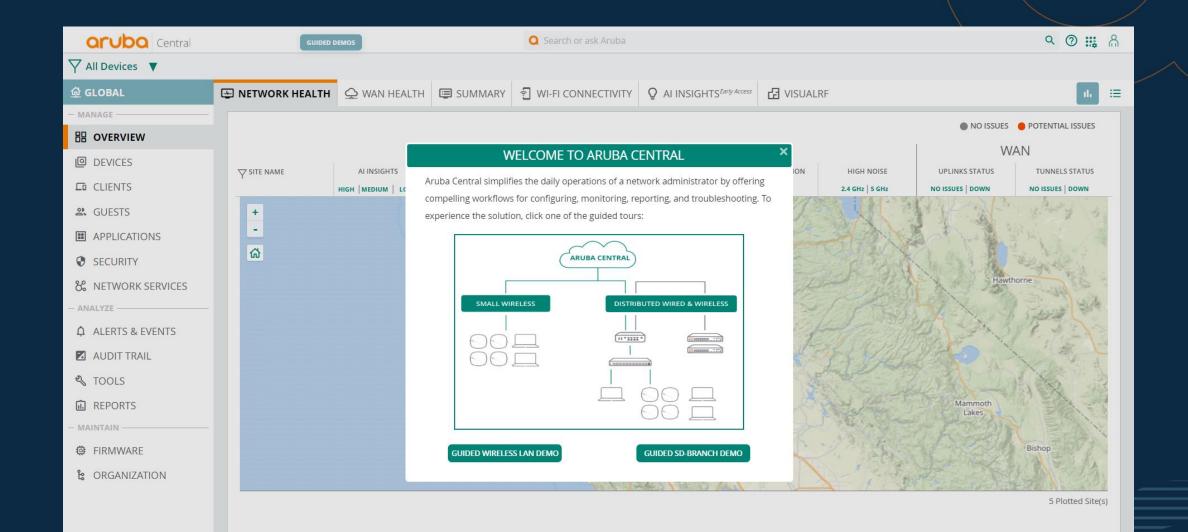




TRY ARUBA CENTRAL TODAY !!!

www.arubanetworks .com

HPE HPE GREENLAKE ARUBA HPE FINANCIAL SERVICES DISCOVER VIRTUAL EXPERIENCE					
a Hewlett Packard Enterprise company	search Q Products	ENGLISH (US) ► Solutions	LOGIN ► Services		TRY CENTRAL Community
home > networking products > network management > aruba central > aruba central demo Aruba Central Demo					
With embedded automation and analytics, Aruba Central self-heals and self-optimizes y network, leaving you the bandwidth to do what actually matters. Experience a fully inter demo, with over 40 common workflows—right from your browser.		(Netwo	lified Cloud orking with	Aruba
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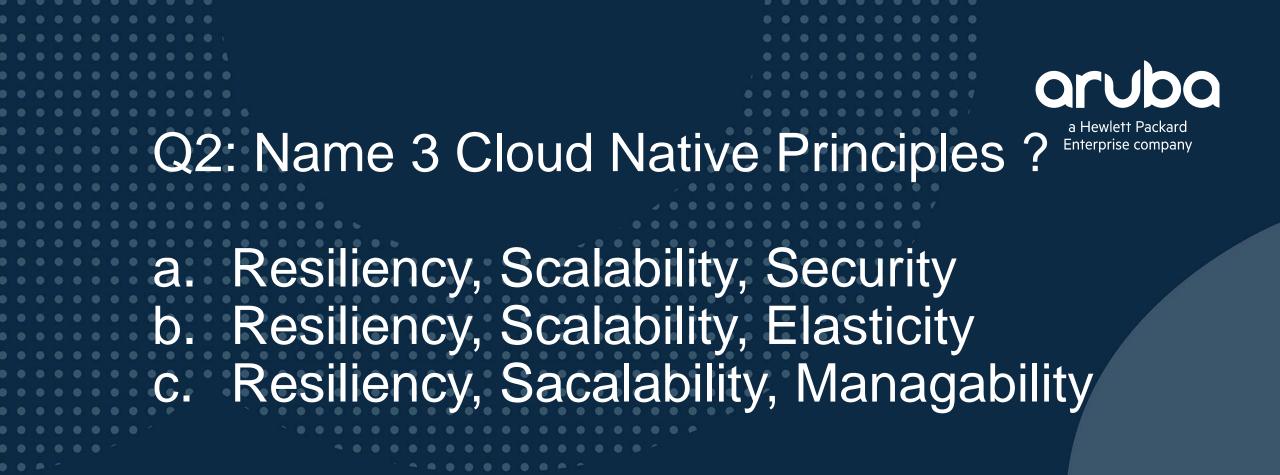


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Q1: What does ESP Stands for ' a. Enterprise Services Platform **b.** Enterprise Secure Platform c. Edge Services Platform



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aruba a Hewlett Packard Q3: What Are the 3 Layers Of Aruba Architecture? a. Connectivity, Policy, Services b. Connectivity, Security, Services c. Connectivity, Managability, Services

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Q4: What Are the 3 Pillars Of Aruba ESP?^{nterprise company}

a. AI-OPS, Manageability, ZeroTrust b. AI-OPS, Unified Infrastructure, Zero Trust c. Connectivity, Managability, Services

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Q5: How Many Days Aruba Central Trial version available?

a. 90 Days

b. 30 Days

c. 60 days

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