We Redefine Your Digital Experience

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EDGE ARCHITECTURE

PROVEN OVER 16 YEARS

2002
Founded by
Keerti Melkote
and Pankaj Manglik

2006
Recognized as
Market Leader in WLAN

MOBILE EDGE

2007
Extended to Multi-Vendor Networks
Aruba Networks **IPO**,
Acquired Avenda
& AirWave wireless

2013
Extended to Wired Access & Core
Recognized as
Market Leader in NAC

2015
Extended to WAN/Cloud
Aruba and
HPE Joint Forces
Aruba Becomes
Networking Division
of HPE

CLOUD-CONNECTED EDGE

2016
Extended to Edge DC
Recognized as
Market Leader in LAN/WLAN

Today
Extended to IoT
Recognized as
Aruba
as **Founder**
President

ONE ARCHITECTURE. BUILT TO LAST.

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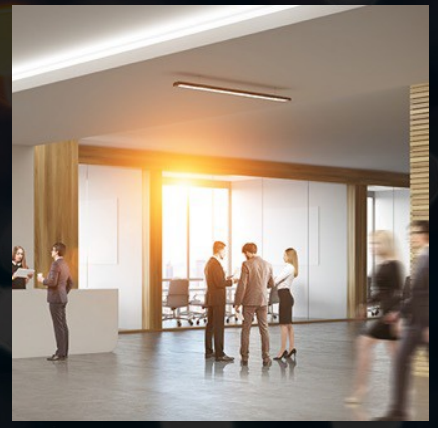
EXPERIENCE THE EDGE

SMART DIGITAL
WORKPLACE

SMART DIGITAL
SCHOOL

SMART DIGITAL
STORE



SMART DIGITAL
HOTEL

SMART DIGITAL
HOSPITAL

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BUILDING THE PLATFORM FOR THE INTELLIGENT EDGE

END USER

LINE OF BUSINESS

IT

CISO

EDGE SOFTWARE

EDGE SOFTWARE PLATFORM

EDGE INFRASTRUCTURE

WIRELESS ACCESS | **WIRED ACCESS** | **CORE SWITCHING** | **WAN** | **EDGE DATACENTER** | **IOT INFRA**

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CAMPUS ACCESS
SMART INNOVATIONS FOR WI-FI6

802.11ax
510 Series
Access Points

WPA3 &
Wi-Fi Enhanced Open

802.11ad/ac
387 Access Points

60GHz Point-to-Point

802.11ax-Read
2930M Switches

802.3bt

NetInsight
AI-powered Automation &
Assurance

Green AP

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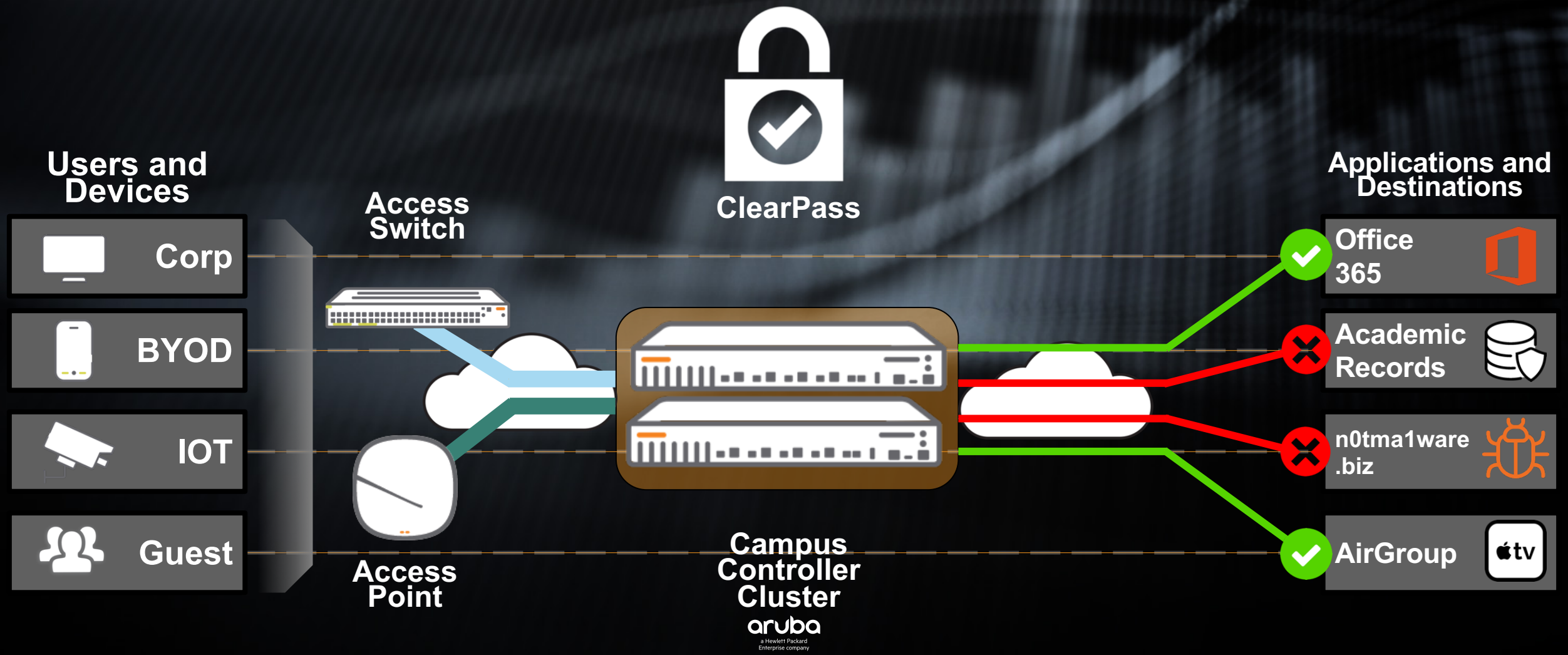
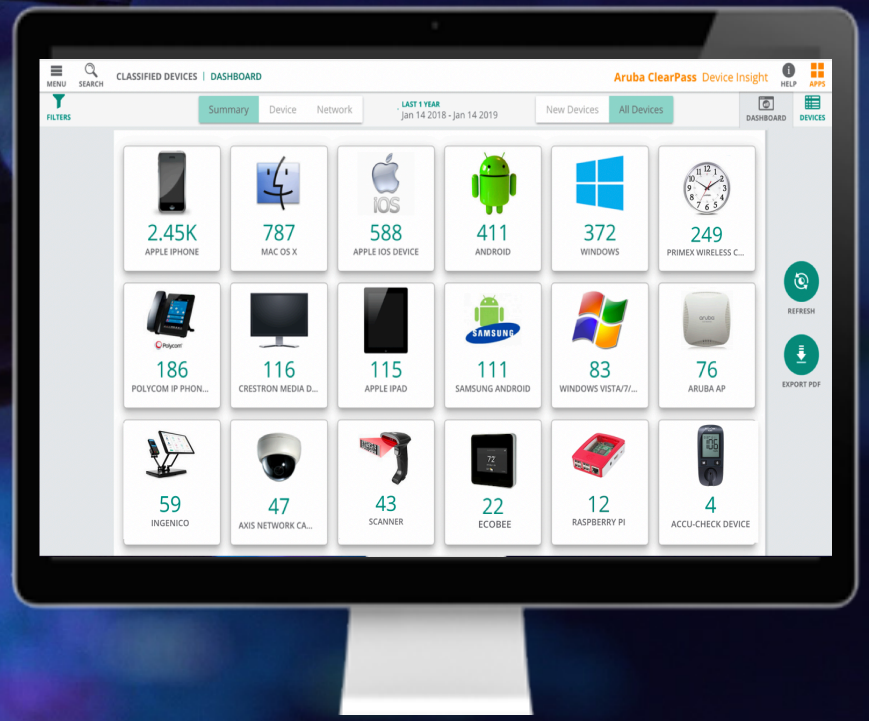
CAMPUS ACCESS

ROBUST POLICY WITH DYNAMIC SEGMENTATION



CLEARPASS DEVICE INSIGHT
OVERVIEW



ELIMINATES
BLIND SPOTS

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CAMPUS ACCESS

AI-OPS WITH NETINSIGHT

PROACTIVE
Switch unable to fully power the APs

PRESCRIPTIVE
Recommended Intelligent Power Management changes

RESULT
Doubled throughput

PROACTIVE
Detected too many clients at 2.4Ghz

PRESCRIPTIVE
Recommended optimized transmit power

RESULT
More clients on 5G reduced trouble tickets

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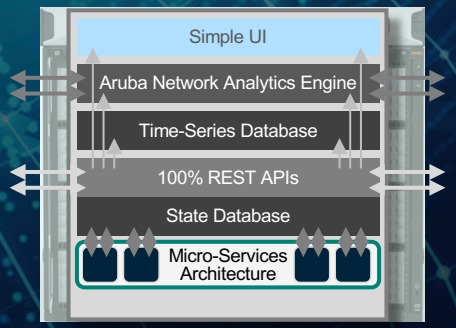
CORE SWITCHING
INNOVATIVE PORTFOLIO

HARDWARE

Aruba 8400

Aruba 832X

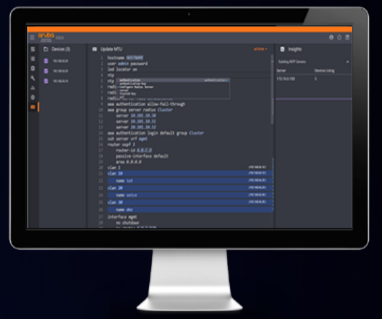
SOFTWARE



AOS-CX

ANALYTICS & AUTOMATION

Network Analytics Engine



NetEdit

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CORE SWITCHING

NETWORK ANALYTICS ENGINE

Relevant historical data correlated with configuration changes

Automated service impact and root cause analysis

Intelligent monitoring agents ‘always on’

Complete telemetry for all system information

Can capture info from neighbor infrastructure

Notification with automatic diagnostics

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CORE SWITCHING

NAE CUSTOMER USE CASES

IT Workflow Integrations

- ITSM integrated change mgmt. with ServiceNow / TopDesk
- Proactive Email notifications for critical events and errors
- Auto-config archiving with TFTP config updates
- ...

Network Health Reporting

- Transceiver Diagnostics for Health and Failure Root Cause
- VSX Health Monitor to Highlight VSX Stability
- Monitor and Change Route when Failure Detected
- ...

Proactive Monitoring

- Predictive Fault Finder for General Network Health
- VoIP monitor based on IPSLA transactions
- MAC and ARP Count Analytics to Ensure Proper Device Load
- ...

CUSTOMER USE CASE CO-DEVELOPMENT

Deep R&D engagements with 25+ customers to date, delivering customer focused solutions

NAE Scripts Published on Aruba Solutions Exchange (ASE)

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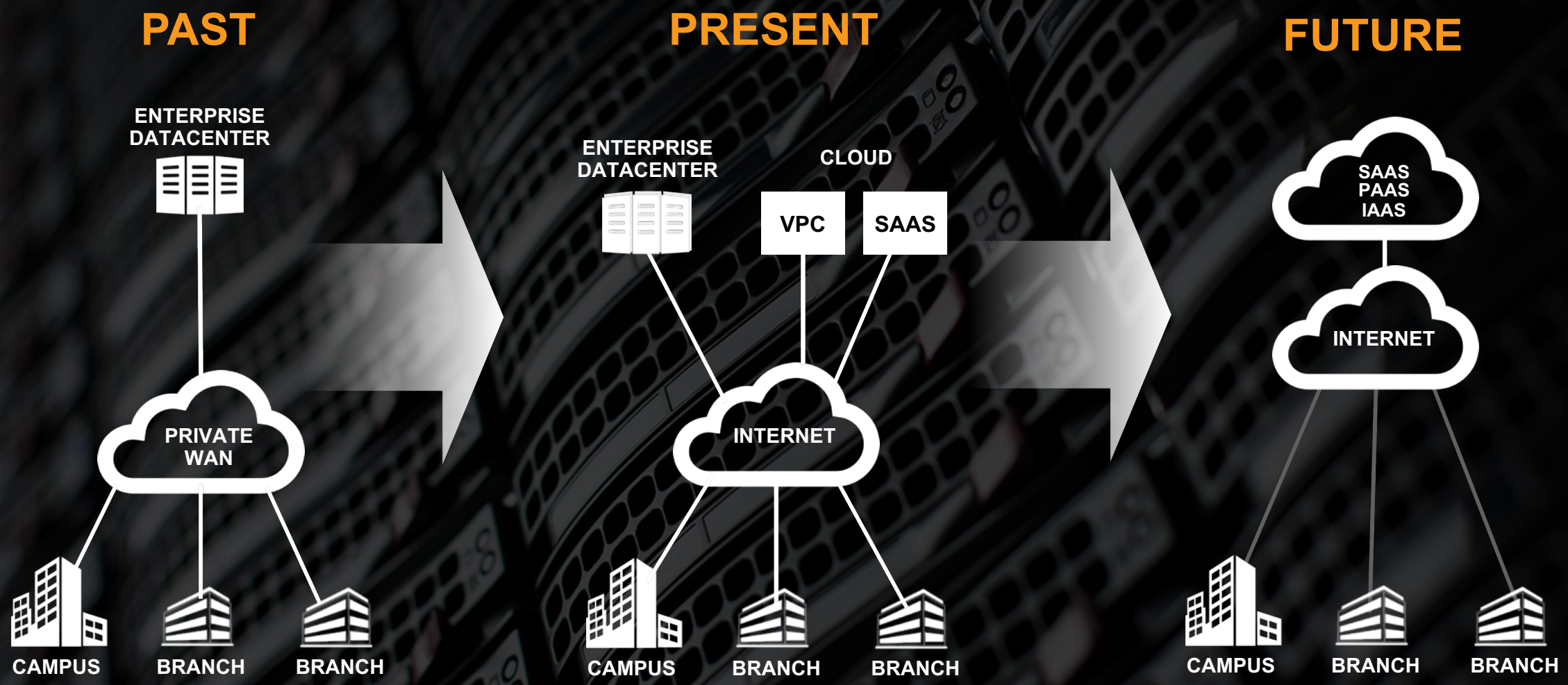
THE DATA CENTER EVOLUTION



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EDGE DATACENTER

FIVE KEY IMPERATIVES

Gartner, The Edge Completes the Cloud, September 2018

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EDGE DATACENTER

EXAMPLE USE CASES FOR THE EDGE

Privacy / Security

VIDEO SURVEILLANCE

Privacy, Bandwidth

INVENTORY TRACKING

Privacy, Autonomy

RECORD KEEPING

Privacy, Bandwidth, Autonomy

Performance / Availability

HOSPITALITY

Entertainment experience

RETAIL

Point of Sale – cross referenced with inventory

HEALTHCARE

Critical Medical devices **connected to network**

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EDGE DATACENTER

NETEDIT FOR AUTOMATION AND VERIFICATION

Search	Edit	Validate	Deploy	Audit

Anomaly Detection
Discover inconsistencies in the network configuration

Predictive Assistance
Analyze what you do, anticipate your needs, help complete tasks

Auto-Change Verification
Minimizing change windows and reduce errors

Continuous Validation
Continuously monitor for deviations from intended policy or design

Repetitive Task Automation
Single operation to complete tasks across multiple systems

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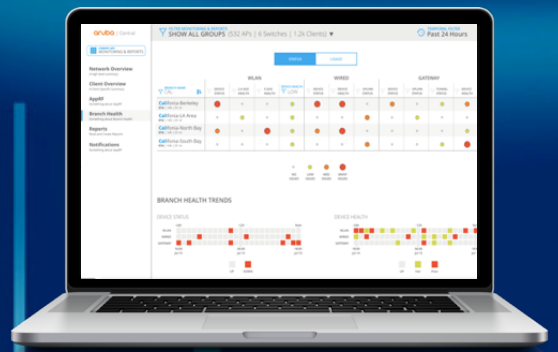
CONNECTING THE EDGE TO THE CLOUD

Market Leading Branch Mobility Solution + Branch Gateway + Cloud-Based SD-WAN Management

Integrated SD-WAN, Security, LAN, and WLAN Managed Centrally

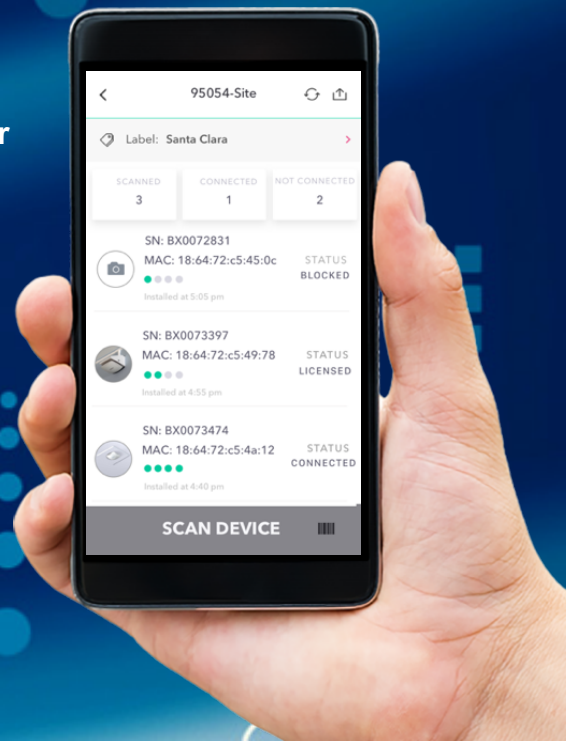
Aruba Gateway

Aruba Central



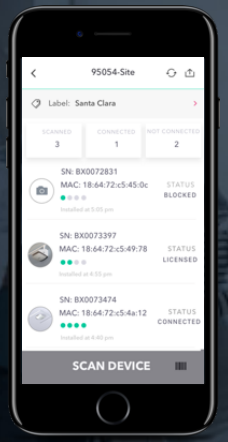
Aruba ClearPass

Mobile Installer App



ARUBA SOFTWARE-DEFINED BRANCH

Easy Mobile Provisioning

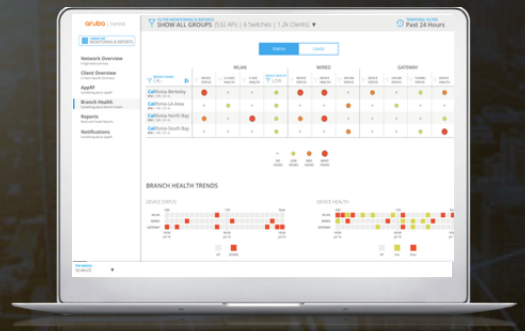


Amazing User Experiences

THE CHANNEL CO. CRN TECH INNOVATORS 2018

Secure Access

Cloud-Managed at Scale



salesforce SAP Dropbox Office 365

Optimized Cloud Connectivity

FROM SD-LAN

TO SD-WAN

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EXPERIENCE

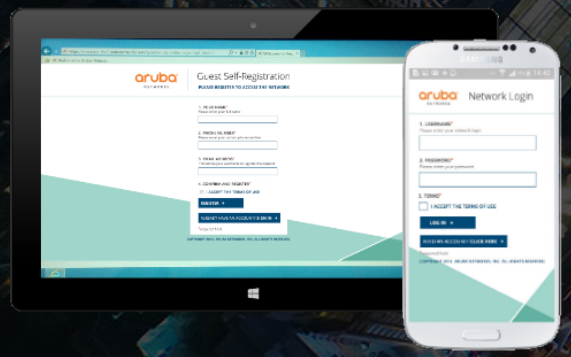
DRIVEN BY THE INTELIGENT EDGE

END USER

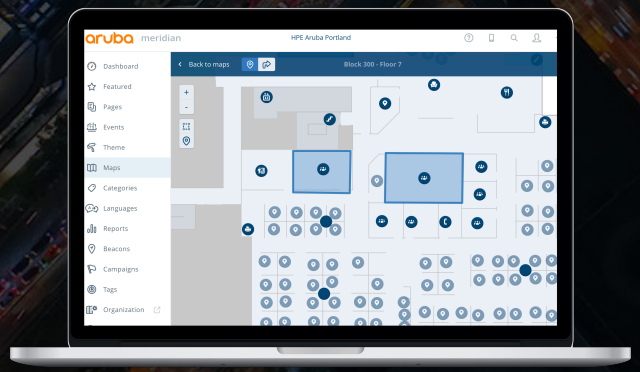
LINE OF BUSINESS

IT

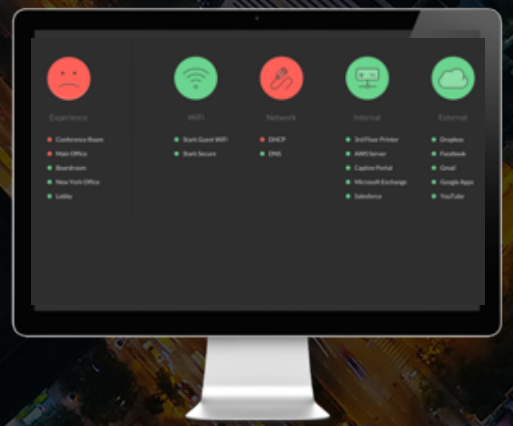
CISO



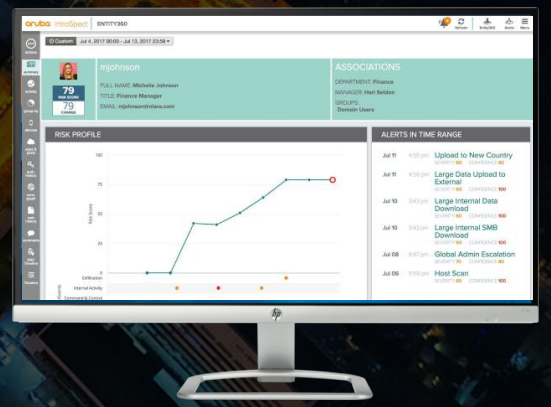
ClearPass Guest



Meridian



User Experience Insight



IntroSpect

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EXPERIENCE
IT & OT

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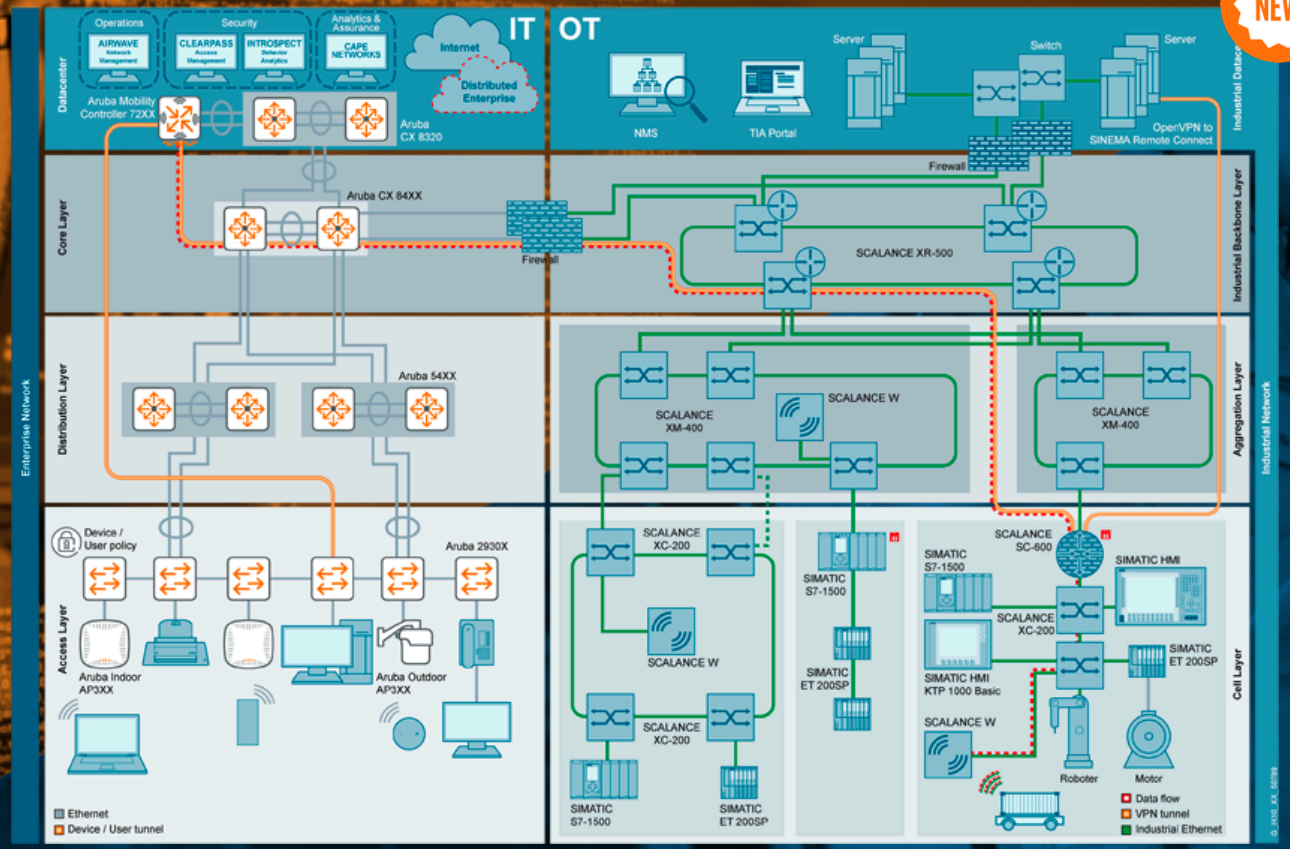


SIEMENS
Ingenuity for life

AUTOMATE EVERYTHING

PROVISIONING

Automation that drives network infrastructure configuration

POLICY

Automation that drives device identification, segmentation, and applied actions

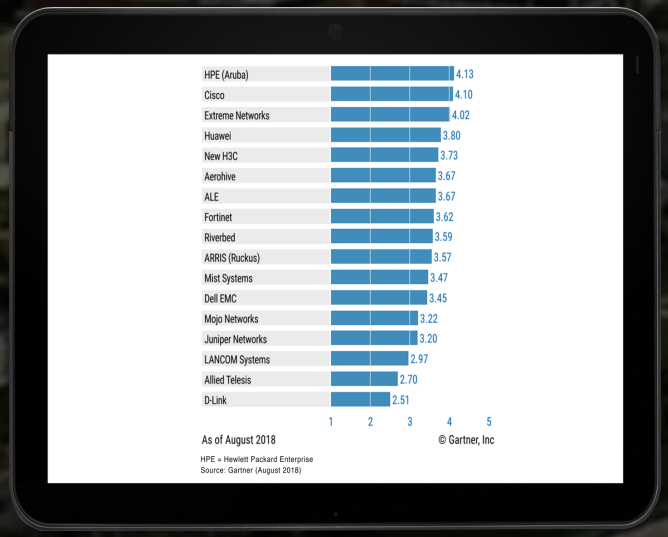
AI-OPS

Automation driven from telemetry collection and ML

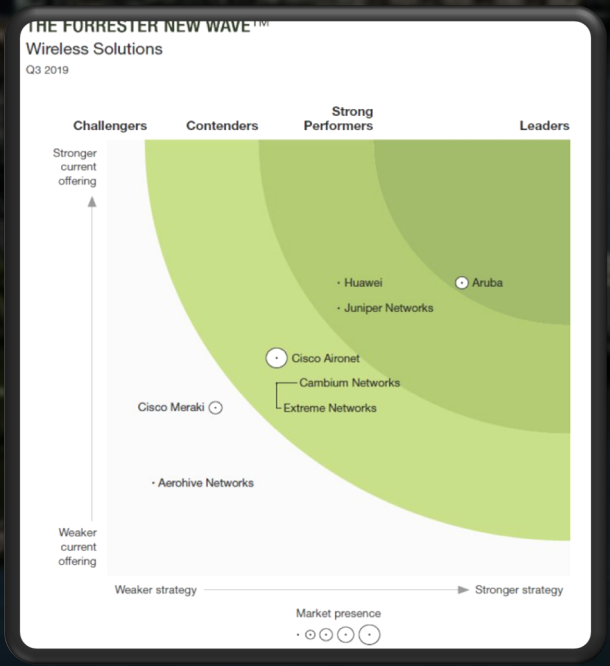
MARKET VALIDATION

Wired and Wireless LAN Access
Gartner Magic Quadrant 2018

Critical Capabilities Report
Gartner 2018



Wireless Solutions Q3
Forrester New Wave™ 2019



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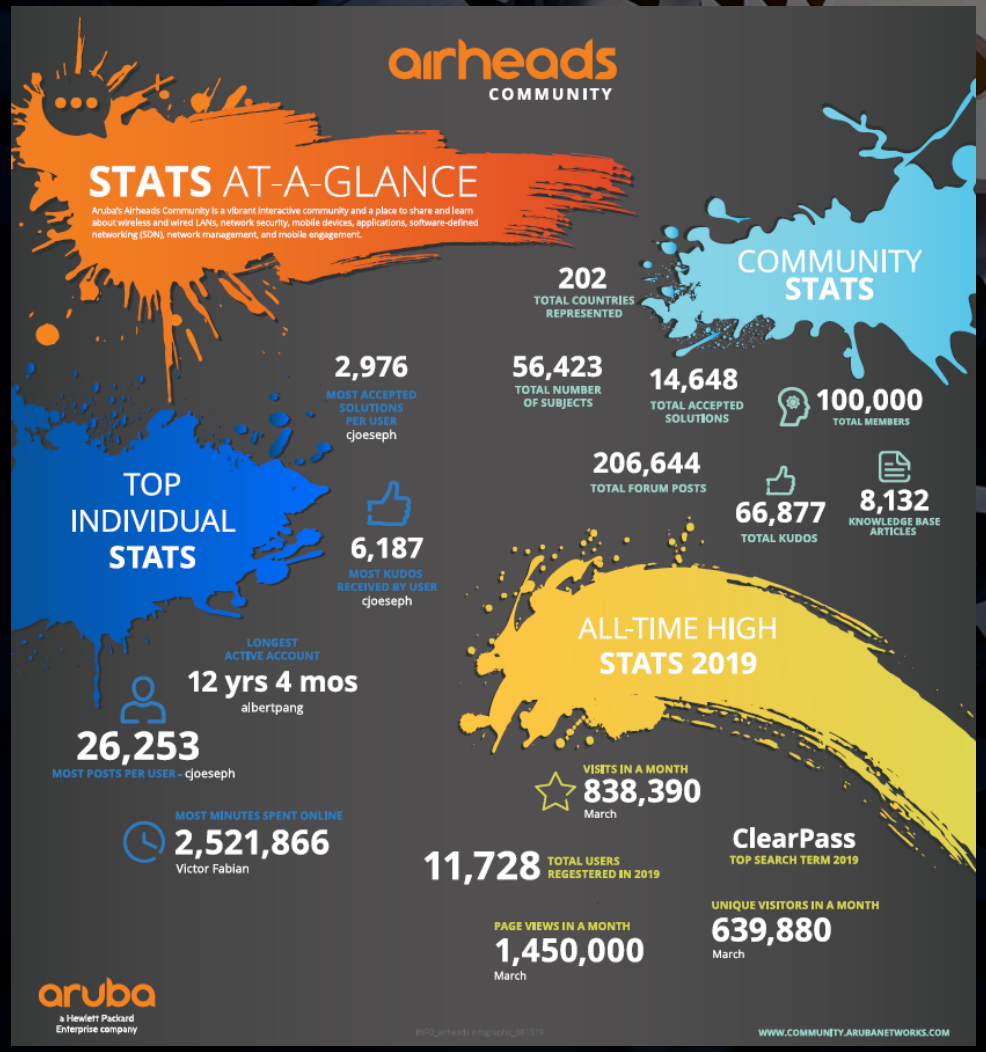
JOIN AIRHEADS



AIRHEADS
COMMUNITY

https://community.arubanetworks.com

CUSTOMER FIRST
CUSTOMER LAST

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AMAZING EXPERIENCES
WITH AMAZING SIMPLICITY
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