

The Aruba logo is written in a lowercase, rounded, orange font.

a Hewlett Packard
Enterprise company



REALDOLMEN
to get there, together

Securing the Digital Workplace

Adaptive Trust for Mobile and IoT

Farouk - HPE Aruba



Agenda

- **Who are we ?**
- **Today's changing market dynamics**
- **Top IT considerations**
- **Adaptive Trust**
- **Industry acceptance**
- **Q & A**

WHO ARE WE ?

Founded: 2002, IPO: 2007

HPE's IT Edge portfolio since June 2015

\$2.4B+ annual revenue run rate

“Biggest Small Company”

High touch business model

“Customer First, Customer Last”

Home of 45K+ Mobility Engineers

@ Airheads Community



Gartner MQ for Wired and Wireless LAN Access Infrastructure, August 2016

Source: Gartner Magic Quadrant for the Wired and Wireless LAN Access Infrastructure, September 2015, Tim Zimmerman, Bill Menezes, Andrew Lerner, ID Number: G00277052. This Magic Quadrant graphic was published by Gartner, Inc. as part of a larger research report and should be evaluated in the context of the entire report. The Gartner report is available upon request from HP. The Magic Quadrant is a graphical representation of a marketplace at and for a specific time period. It depicts Gartner's analysis of how certain vendors measure against criteria for that marketplace, as defined by Gartner. Gartner does not endorse any vendor, product or service depicted in the Magic Quadrant, and does not advise technology users to select only those vendors placed in the "Leaders" quadrant. The Magic Quadrant is intended solely as a research tool, and is not meant to be a specific guide to action. Gartner disclaims all warranties, express or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

User behavior Has **Evolved**

Logging in from anywhere

Consumerization of IT

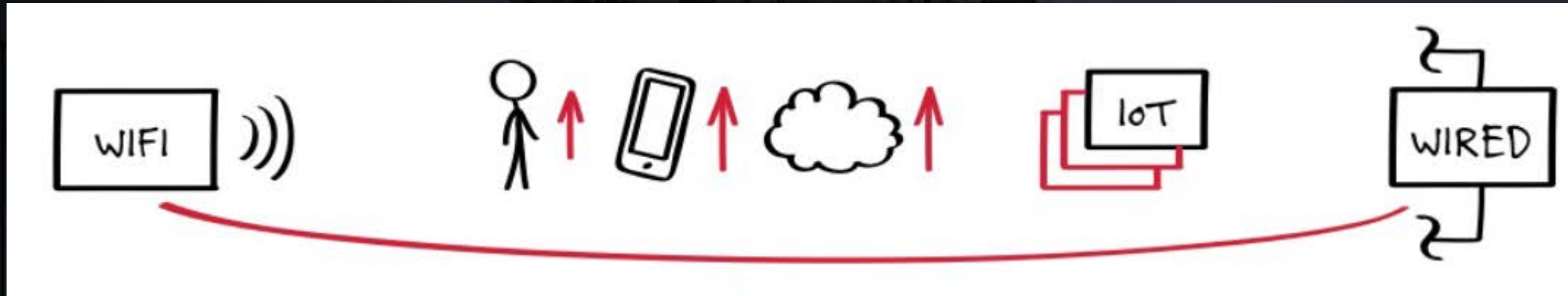
New security threats



THE PERFECT STORM: MOBILE, IoT and CLOUD



Demands of New **Digital workplace**



N/W Performance

A white box containing the text 'N/W Performance' in red and a red icon of a line graph with an upward trend.

Visibility

A white box containing the text 'Visibility' in red and a red icon of a magnifying glass.

Access/Security

A white box containing the text 'Access/Security' in red and a red icon of a padlock.

ClientMatch
Smart Rate

AirWave
Clarity

ClearPass
Adaptive
Multi-Vendor

Mobile-First Network

A white box containing three columns of text in green. The first column lists 'ClientMatch' and 'Smart Rate'. The second column lists 'AirWave' and 'Clarity'. The third column lists 'ClearPass', 'Adaptive', and 'Multi-Vendor'. Below these columns is a green horizontal line with brackets at both ends, spanning the width of the three columns. Below the line is the text 'Mobile-First Network' in green.

Top IT Considerations

Authentication and Authorization



Wi-Fi / wired enforcement

Device visibility

Identity-based policies

Multi-factor auth

NAC Services Deployment



Controlled access for IT-

owned, BYOD, IoT

Managed guest access

Health checks

Architecture and Coverage



Scalability

Real-time context

3rd-party integration

Visibility and Control



Workflow automation

Template-based simplicity

Intelligent reporting

IT Needs Control For **Mobile Requirements**

Logging In: consistent access
regardless of device, location, biz unit

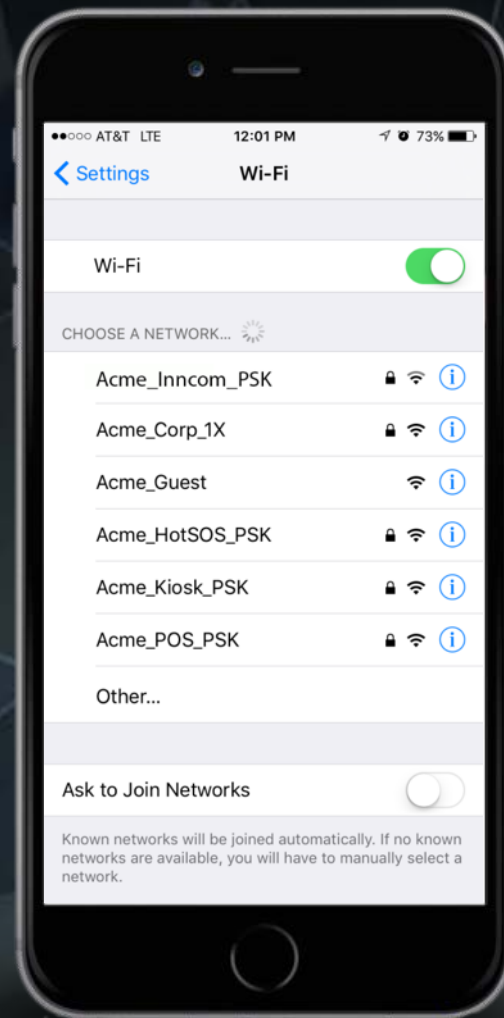
Policy: context determines privileges

Visibility: web-based GUI, dashboards,
reporting, device profiles

Policy Solving SSID Overload

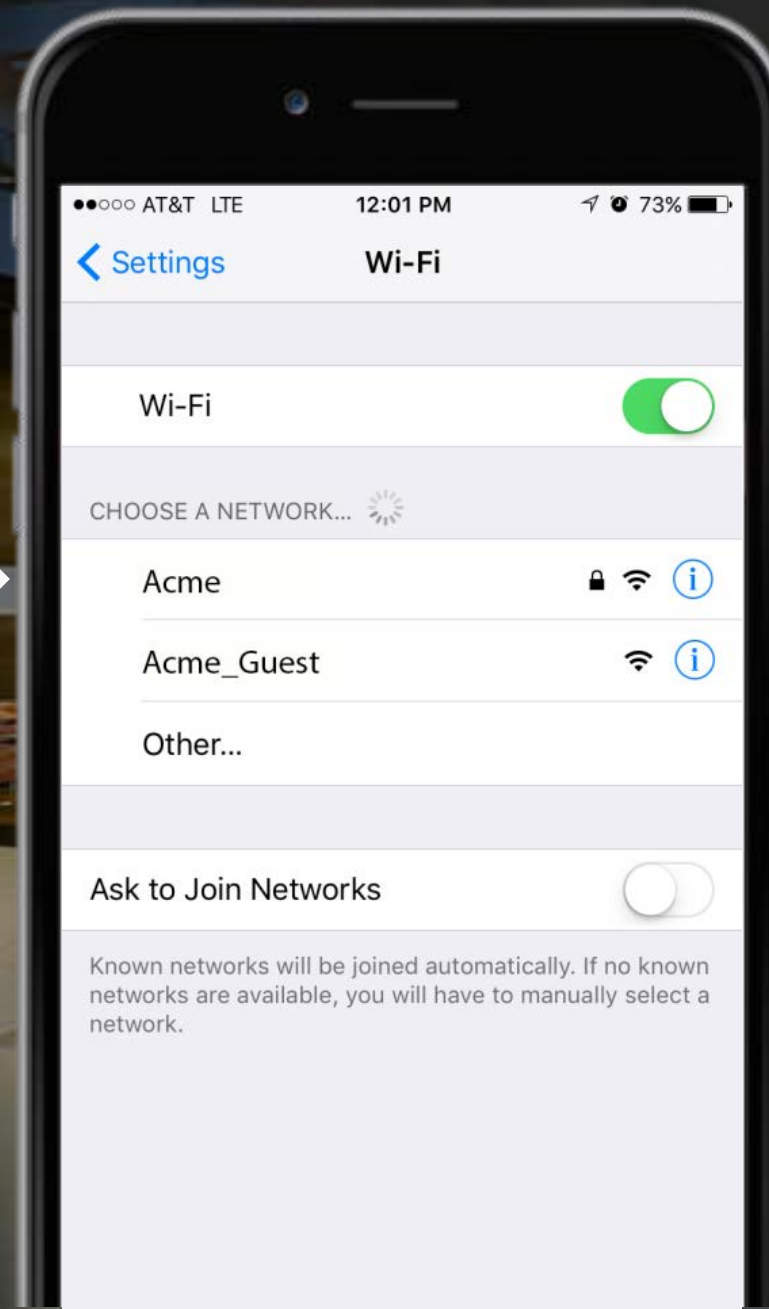
OLD WAY:

Without advanced policy, separate traffic by SSIDs

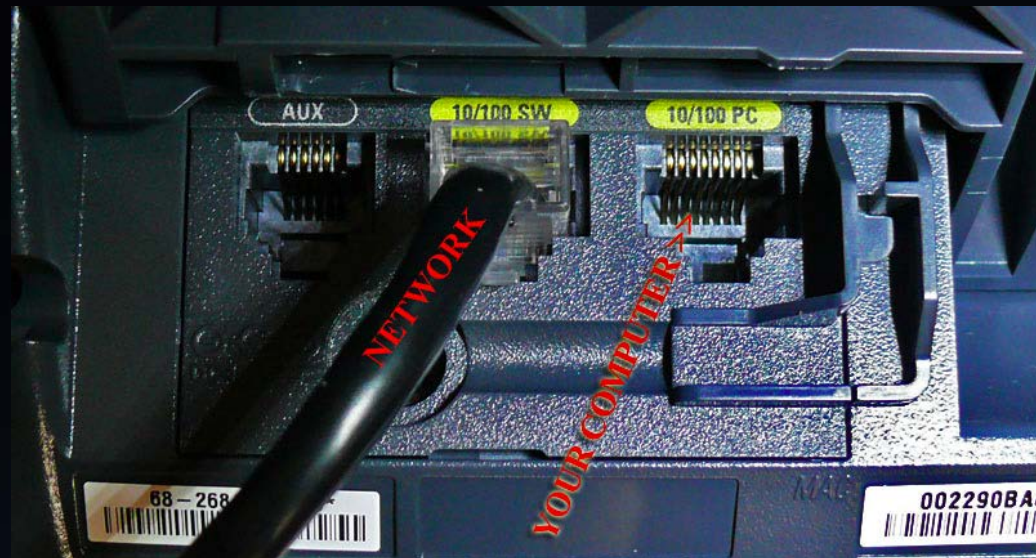


NEW WAY:

Simplify with ClearPass, separate traffic dynamically



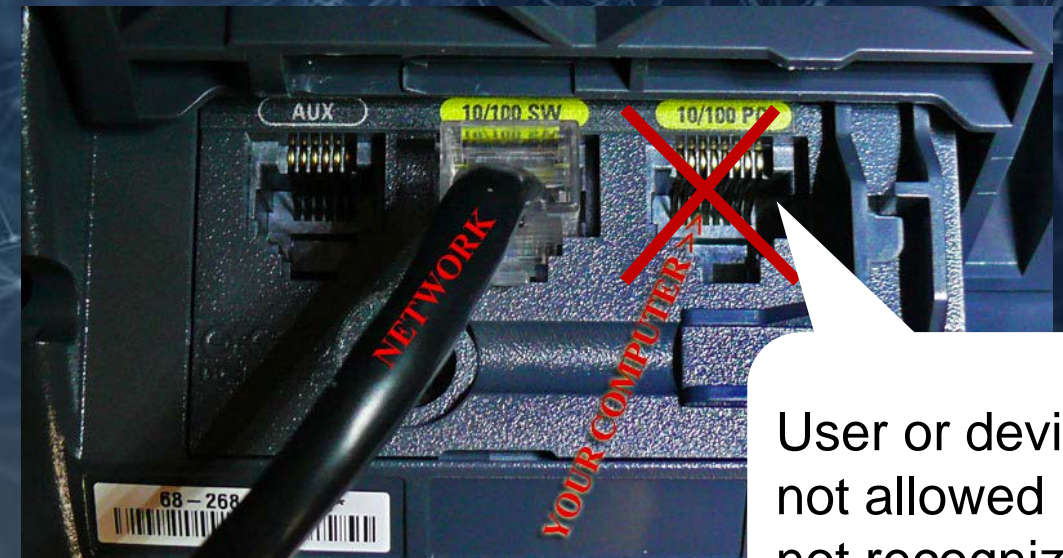
ClearPass OnConnect for Wired NAC



Old Way:
Wide open wired
ports in
conference rooms
and on desktops

NEW WAY:

Simplify controls
that use non-AAA
for multivendor
switching



User or device
not allowed if
not recognized

BYOD: Employees **Login with Personal Devices**

User and IT friendly:

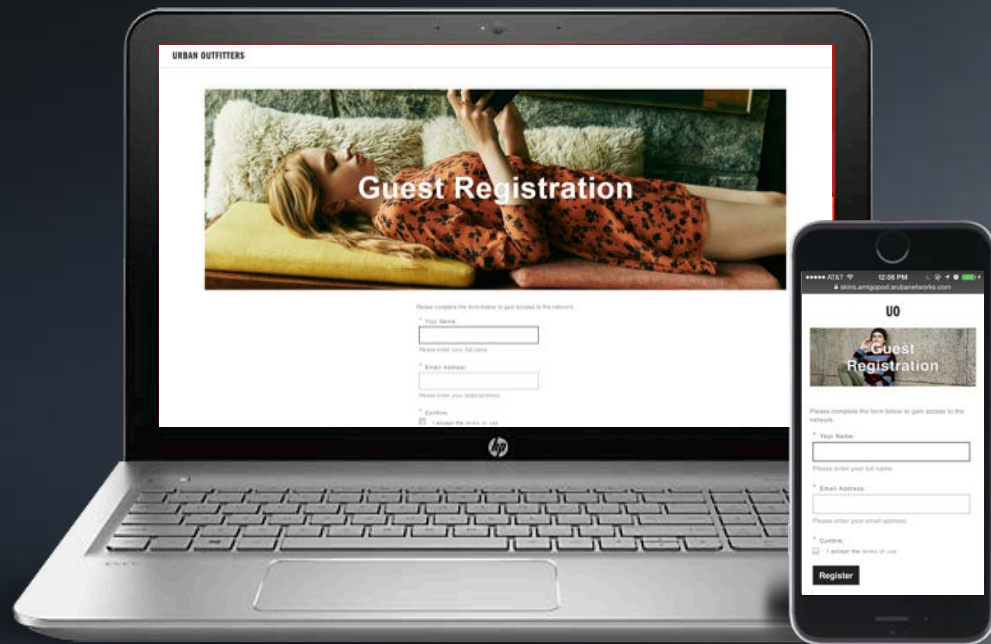
One time user registration / no IT
intervention

Security: IT managed, 802.1X and
Certificates

Context: Data added to profile for
adaptive policy and troubleshooting



Flexible Guest Logins for Any Visitor



Visitor uses self registration

Rich self-service workflows to
control guest access privileges

Logon support for social, sponsor

Mac Caching for repeat visitors



Automated Health Checks Before Access

Wired/Wireless: Ensures posture compliance for laptops/computers

Security: Forces use of Anti-Virus, Anti-Spyware, firewalls, disk encryption...

Remediation: Manual or auto

Visibility: Identifies poor behavior



ClearPass for Mobile and IoT

Guest



Onboard



OnGuard



Expansion Applications

Hardware or
VM Appliances



REMOTE LOCATION



ClearPass Policy Manager

What's Inside

Base Services

Policy Engine
RADIUS/CoA
TACACS+
Profiling+
+100 RADIUS
dictionaries
Advanced reporting

IT Tools

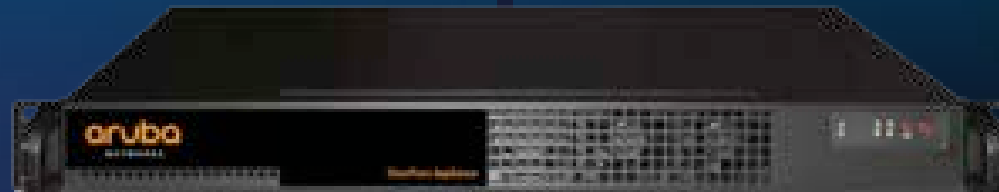
Policy simulation
Access tracking
Template-based policy
creation
LDAP browser
Per session logs

User Tools

AirGroup
Bonjour/DLNA
Device registration
Certificate revocation
Basic guest

Built-in Add-ons

Pool of 25 Lic.
Onboard
Guest
OnGuard
Exchange
API
Syslog



ClearPass Exchange: End to End Controls



FROST AND SULLIVAN RECOGNIZES HPE ARUBA LEADERSHIP IN 2016 NAC MARKET

“Aruba ClearPass Platform
Competitively Differentiates on
Scalability and NAC Wired and
Wireless Integration”

FROST & SULLIVAN



**Network Access Control (NAC) Global Market Analysis
Selected Excerpts: Point of Competitive Differentiation**

**Most Scalable and Best NAC Wired and Wireless
HPE Aruba Networks ClearPass**

Christopher Kissel
Analyst, Knowledge-Based Security
Information & Network Security

K001-74
May 2016

Information & Network Security
Analyst, Knowledge-Based Security
Christopher Kissel

May 2016
K001-74

HPE Aruba Networks ClearPass



**Thank
You**