How Tomorrow Moves for Education

Presented by:

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datanetworks

Simplifying Enterprise IT.



GENMOBILE IS AT THE HEART OF OUR TECHNOLOGY STRATEGY





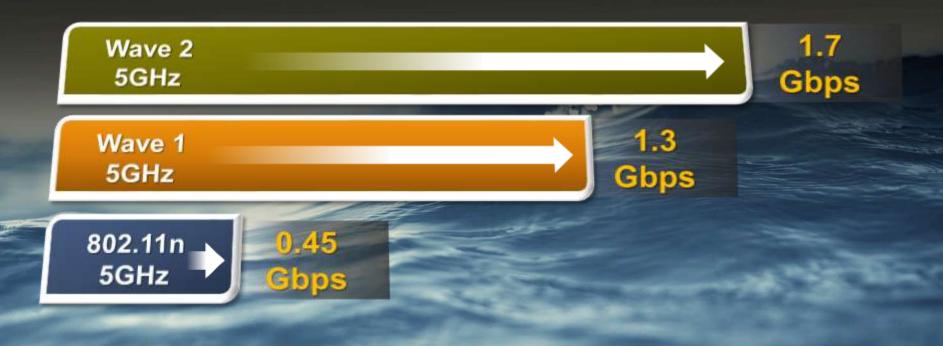








Reading the Waves – 802.11ac



Gigabit Wi-Fi makes it possible to unplug the cord



Learning is Transforming









What's changed

Curriculum

Digital, Online, Blended

Adoption

By Teachers and Students

Funding

Federal/State/ Local

Results

Student Performance





Supporting the Digital Classroom



1:1 initiatives



Project based learning



Cloud apps



Guest Access



Online assessment



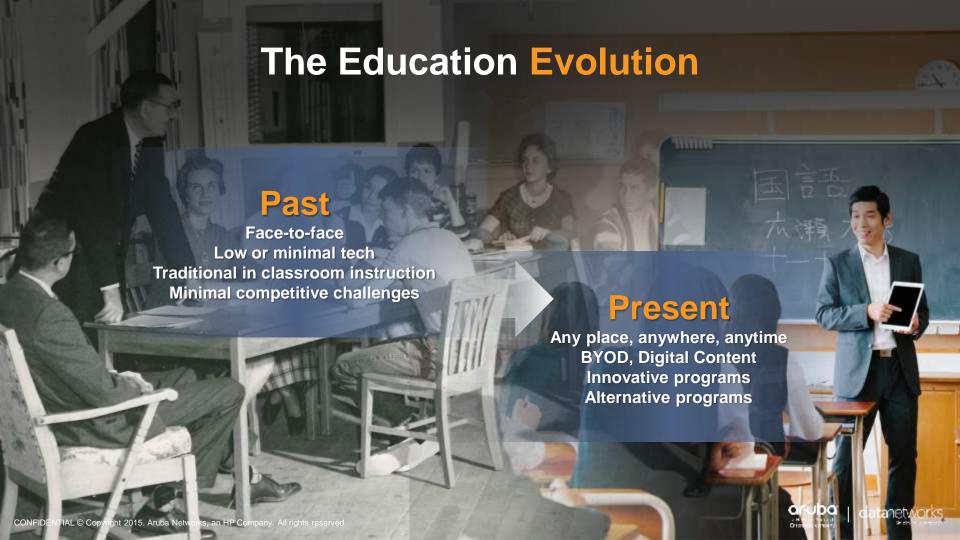
Student collaboration













Today's Challenges









Building an Environment for Student Success

Mobile-First Campus

Uninterrupted experience
Optimized Gigibit Wifi and connectivity for user, device, and environment







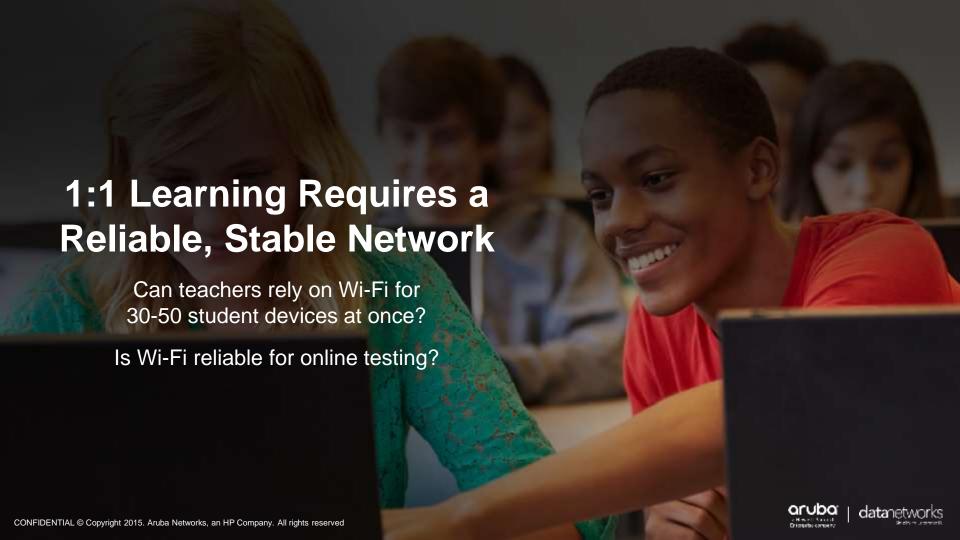


Uninterrupted learning

Connectivity optimized for BYOD







OUR APPROACH



Legacy

Separate architectures
Port, VLAN aware
Proprietary systems



Mobile First

Single set of hardware App, device, user aware Multi-vendor software





SCALE NETWORK OPERATIONS FOR WIRED ACCESS

Future proof wired infrastructure
Wired is aggregation for WLAN and IoT

User, device aware "colorless" ports
with Aruba ClearPass

Zero touch provisioning at the branch with Aruba AirWave





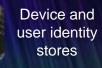
SOFTWARE CONTROLS FOR "COLORLESS" PORTS



Secure per device tunneling to Aruba Mobility Controller



Ports assigned to new VLANs through ClearPass based on device type





Prevention against malware and insider threats



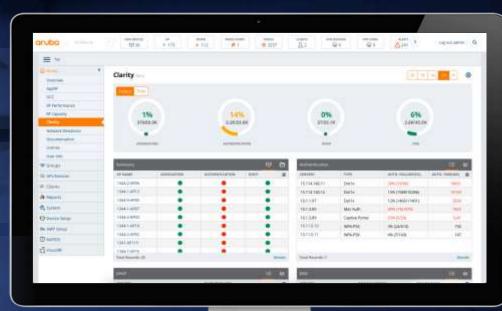


SCALE NETWORK OPERATIONS FOR WI-FI ACCESS

Eliminate complaints on Wi-Fi with Aruba 802.11ac and ClientMatch

Predict, not troubleshoot, issues with Aruba Clarity and AirWave

Optimize Wi-Fi per application with Aruba AppRF





SOFTWARE CONTROLS FOR END-TO-END NETWORK HEALTH



Connectivity That Adapts to New Requirements

Can the infrastructure easily accommodate new mobile use-cases with the necessary controls?



A More Intuitive User Experience

OLD WAY:

Without advanced policy, separate traffic by SSIDs



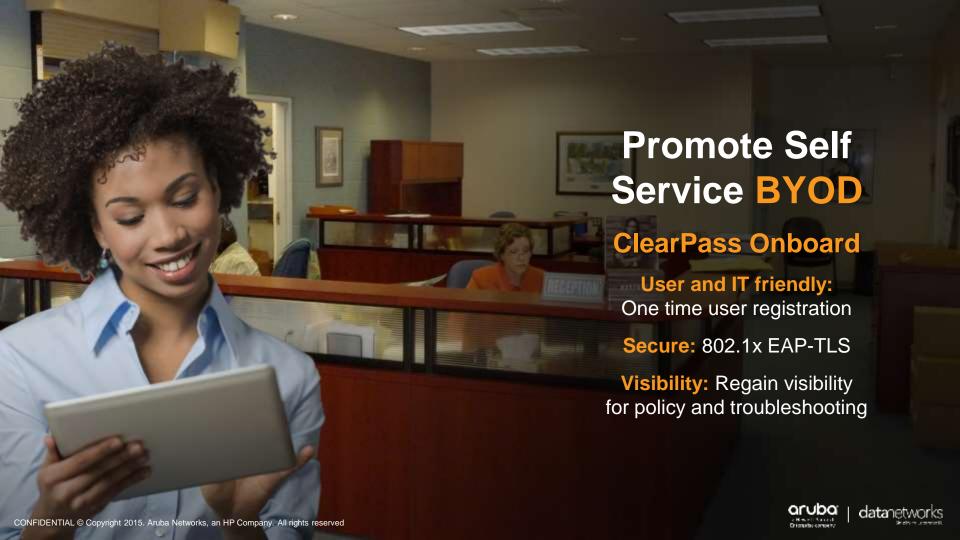


NEW WAY:

Simplify with ClearPass, separate traffic dynamically

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Registered Guest Access for Parents and Visitors

ClearPass Guest



Custom portals to promote your school

Can be used to advertise mobile app and deliver download link

Social logon support

One Wi-Fi login for repeat visitors





ClearPass Policy Manager

Create policies that adapt to BYOD growth and IoT adoption

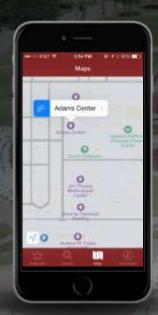
Customized device profiling for any uncategorized connected device

Multi-factor authentication on mobile devices for network usage



Intelligent Mobility Enhances Engagement









Way-Finding

Indoor turn-by-turn directions (for guided tours)

Push Notifications

Time and location relevant messaging





Aruba Beacons Power Indoor Location



Aruba Beacons

Blue dot directions and notifications based on real-time position

Aruba AP w/ integrated Beacon

Communicates with Aruba Beacons and Meridian Platform

Meridian Platform

Location-based and personalized content for apps

Monitor and manage beacon battery level, operating mode / firmware

Meridian-Powered Mobile App

White-label or custom app w/ SDK



Comprehensive Management and Analytics Tools

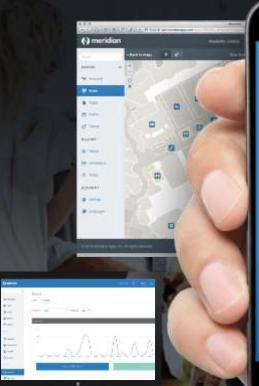
Beacons Mobile App

Update indoor map and measure accuracy

Meridian Cloud

Monitor beacon status, battery power level, and update firmware









INNOVATION LEADER IN CAMPUS NETWORKS

"Clients globally should consider HP Aruba for all wired / WLAN access layer opportunities."

Gartner MQ for Wired and Wireless LAN Access Infrastructure, August 2015

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 note 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.

