

# Hogyan változik a Jövő a **FELSŐOKTATÁSBAN**

**aruba**<sup>®</sup>

NETWORKS  
an HP company

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# A Tökéletes Párosítás



# A Mobil Generáció

2005



# Felemelkedése

2013



# Az oktatás Fejlődése

**Múlt**

Technológia mentes

Osztálytermi

Egyirányú Előadó Hallgató kommunikáció

**Jelen**

Bárhol Bármikor

BYOD, Digitális tartalom

Innovatív programok

Alternatív programok

# A tanuláshoz Megbízható és Stabil hálózat szükséges

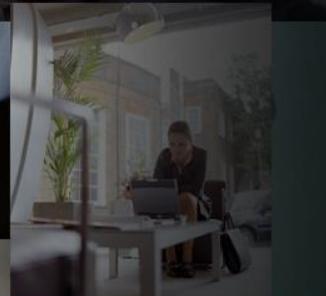


Támaszkodhat az oktató a vezeték nélküli hálózatra ha több mint 100 hallgató van a teremben?



Van elegendő sávszélesség multimedias tartalmak számára?

# Minden egyes lépéssel az igényekhez igazodva



**Felhő alapú szolgáltatások**



**Kiemelten Fontos Biztonság**  
Mobil applikációk egyedi igények szerint



Wi-Fi vezető szerepben!

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# Miért használjon egy oktatási intézmény Aruba megoldást

## Teljes Access Megoldás



802.11ac wireless + Wave2  
Multi-gig SDN switching  
Remote Campus solutions  
Intelligent traffic management

## Összetett szabályrendszer és NAC megoldás



Differentiated access  
for BYOD & IoT  
  
Registered  
student, staff, &  
guest access

## Átláthatóság és hierarchia



Application aware QoS  
RF visibility  
Architecture Flexibility  
Multi-vendor support

## Beltéri helymeghatározás



Wayfinding and push  
Open SDKs  
Rich Management  
Code-free AppMaker

# Teljes Access Megoldás

Mobile-First  
Access



Aruba 802.11ac  
Wave 1 & 2



Switching



SDN and  
Mobility Controllers

End to End  
Visibility



Aruba Airwave and Central

Access Policy  
and BYOD



ClearPass

Education  
Solutions



Content filtering  
and web  
reputation



AirGroup



# Alkalmazás kezelés



## ON-BOARD DPI

Depth - common apps

## CONTENT FILTERING AND WEB REPUTATION

Protect children from inappropriate  
content via web traffic

Alkalmazás prioritálás

Alkalmazás Blokkolás

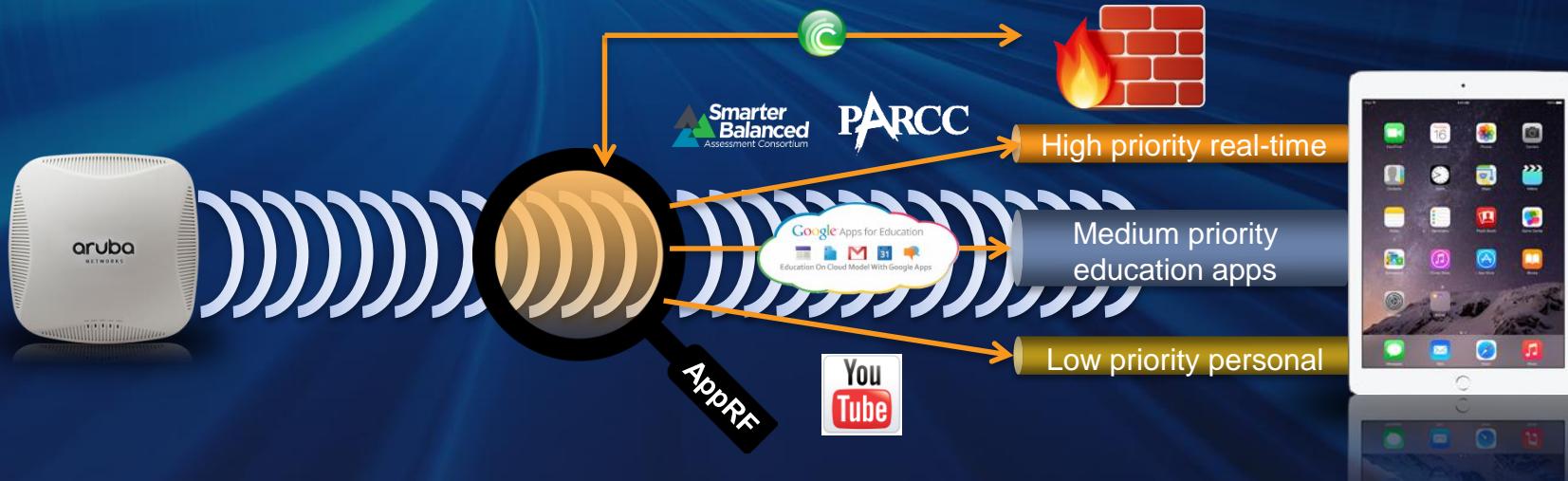
Szabályrendszerek felhasználó  
eszköz és hely alapján



Smarter  
Balanced  
Assessment Consortium

P  
ARCC

# Intelligens forgalom kezelés az AppRF™ segítségével



Oktatási alkalmazások prioritálása és sávszélesség dedikálása

# Az új Felhasználói élmény

**Régi megoldás:**  
Without advanced policy, separate traffic by SSIDs



**Új megoldás:**  
Simplify with ClearPass, separate traffic dynamically



# BYOD: A Hallgatók és oktatók saját maguk léptetik be az eszközeiket.

## ClearPass Onboard

One time user registration/no IT intervention

**Secure:** 802.1x EAP-TLS

**Visibility:** Regain visibility  
for policy and troubleshooting

# Oktatás Menedzsment



Ingyenes LanSchool Lite+  
az Aruba ügyfelek számára.

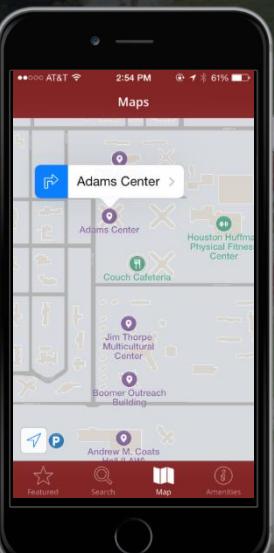
Akár 3,000  
hallgató kezelése

Thumbnails vagy full screen nézet

Co-browse

A hallgatók aktív és utolsó alkalmazásának  
megtekintése

# A Mobilitásban rejlő lehetőségek



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

**Üzenetküldés**  
Idő és Hely  
alapú  
üzenetküldés

# Aruba Beacons Beltéri Helymeghatározás

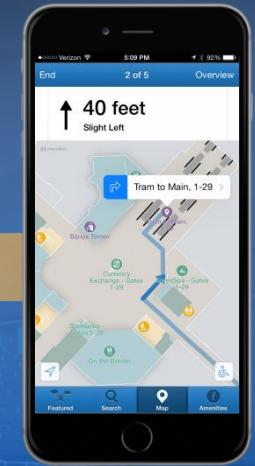


**Aruba Beacons**  
Blue dot directions  
and notifications  
based on real-time  
position

**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

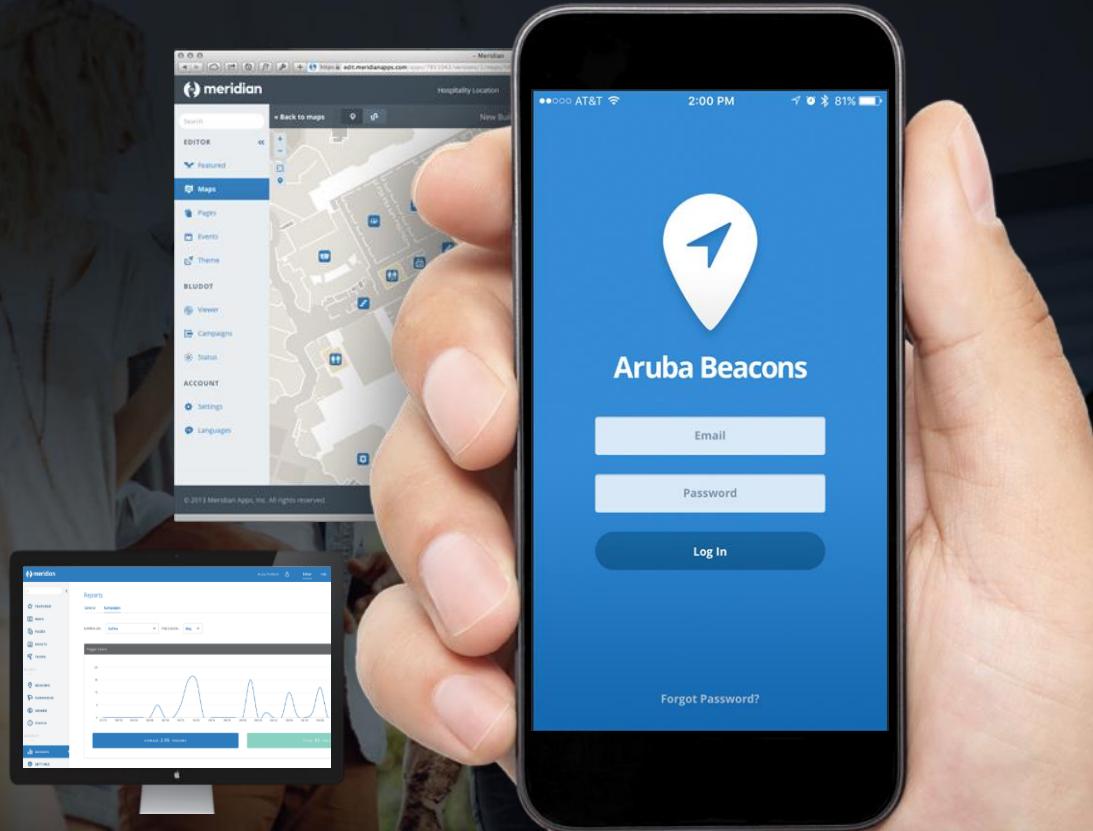


**Meridian-  
Powered Mobile  
App**  
White-label or  
custom app w/ SDK

# Széleskörű Menedzsment és Analitika

**Beacons Mobile App**  
Update indoor map and  
measure accuracy

**Meridian Cloud**  
Monitor beacon status,  
battery power level,  
and update firmware





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KIIT  
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# HPE and Aruba... Better Together



**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 Lemer, 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.

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# 2015 Critical Capabilities for Wired and Wireless LAN Access Infrastructure

Enterprise Unified Wired and WLAN Access	Enterprise Wireless-Only Connectivity	SMB and/or Small or Remote Branch Office	Voice Over WLAN	IaaS or Managed Service	Enterprise Wired-Only Connectivity
HPE Aruba 4.14	HPE Aruba 4.11	HPE Aruba 4.12	HPE Aruba 4.10	HPE Aruba 4.14	Cisco 4.24
Cisco 4.14	Cisco 4.06	Cisco 4.11	Cisco 4.05	Cisco 4.11	HPE Aruba 4.15
Avaya 3.64	Aerohive 3.82	Avaya 3.62	Aerohive 3.81	Aerohive 3.63	Juniper 3.91
Extreme 3.63	Avaya 3.55	Extreme 3.61	Avaya 3.53	Avaya 3.61	Brocade 3.74

Gartner®

Source: Gartner Critical Capabilities for the Wired and Wireless LAN Access Infrastructure, September 2015. Bill Menezes, Tim Zimmerman, Andrew Lerner, Michael A. Broekman, ID Number: G00270164.  
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# Köszönöm a Figyelmet