



aruba

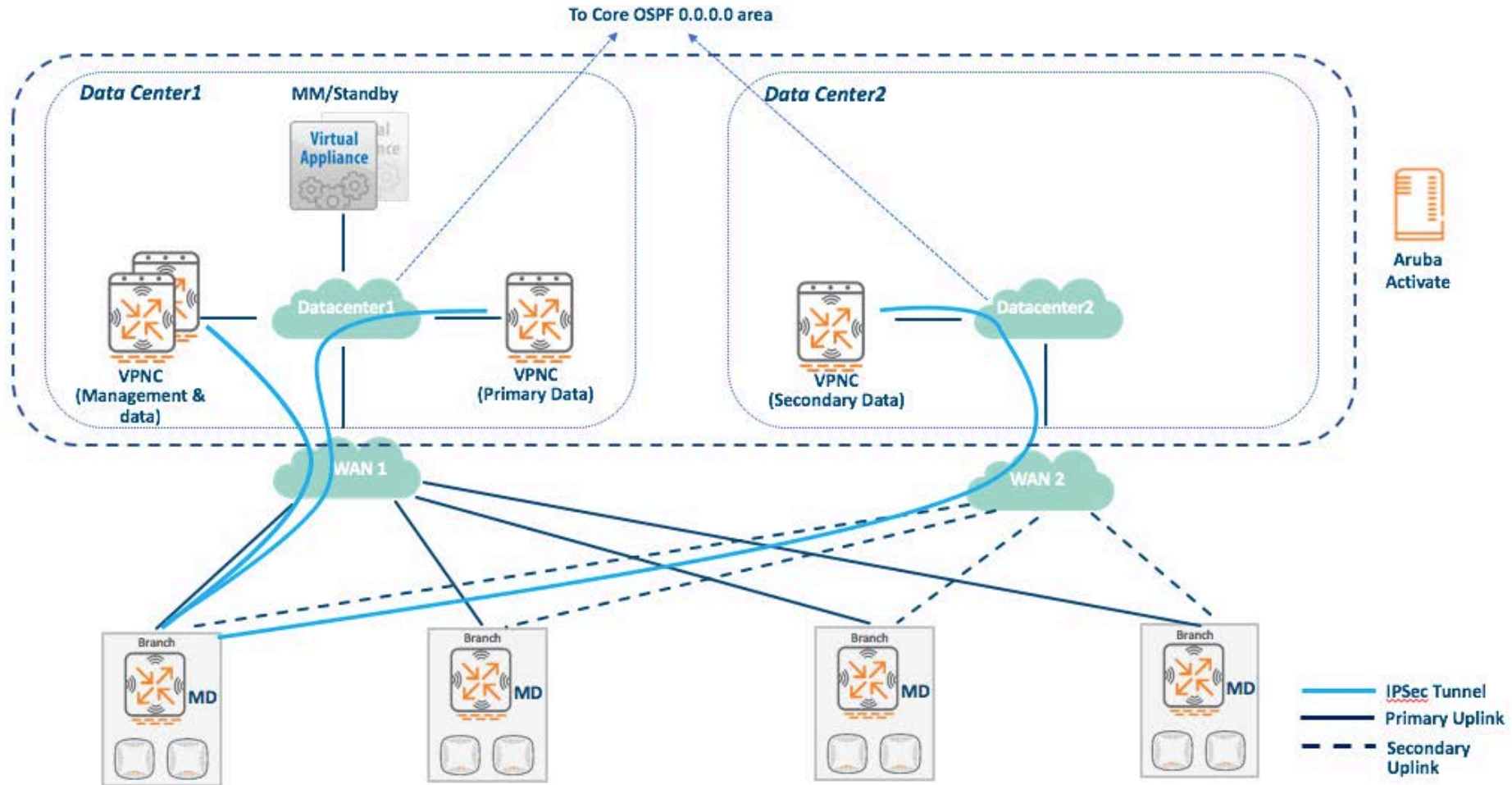
a Hewlett Packard
Enterprise company

SD-WAN

Zapewnienie wysokiej jakości, dla aplikacji krytycznych,
przesyłanych siecią Internet

Kwiecień, 2018

Typical Architecture



Customers have been asking for ...

Improved reliability at all levels



Automated controls to improve user experience



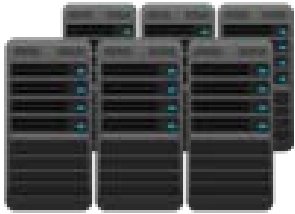
Simplicity of operations & flexibility of deployment



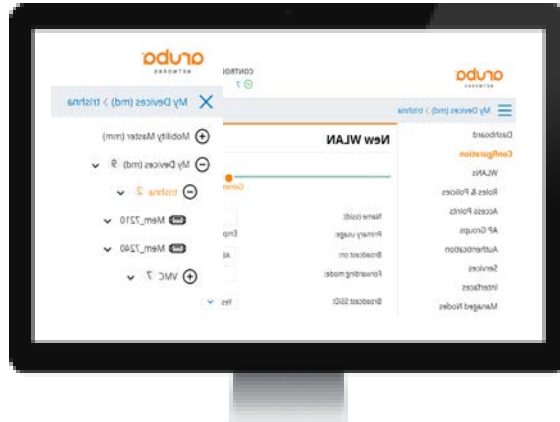
Unprecedented Network Security



Aruba Mobility Master – Virtual and Hardware appliance



Aruba Mobility Master-VA



Aruba Mobility Master - HW



Aruba Virtual Mobility Controllers



Aruba Mobility Controllers

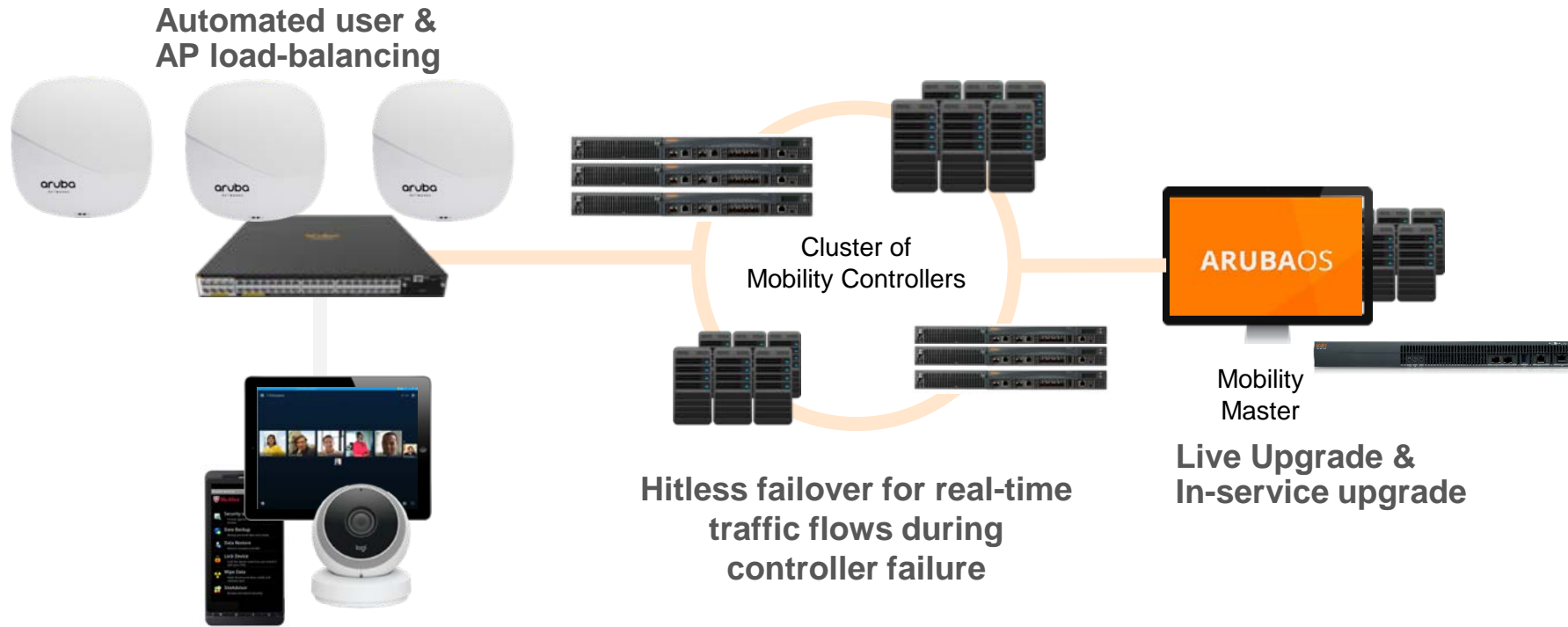
Next generation Master controller

- **Centralized management**
- **Hitless failovers** during controller failures
- **Real-time upgrade** with no downtime
- **User and AP load balancing** across controllers
- **Automated RF management** for better network throughput in congested environment
- **Multi-tenant wireless networks** for better network efficiency
- Network intelligence with **NBAPIs**

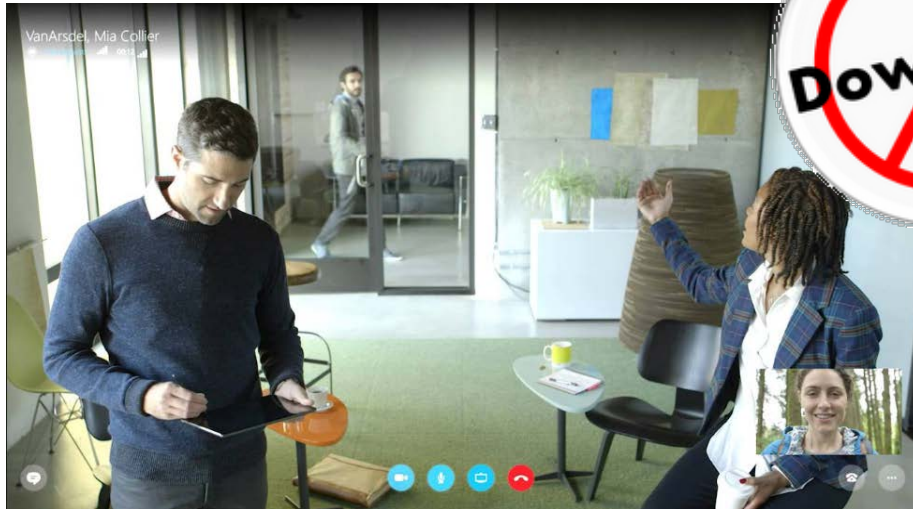
MM VA/HW which one should I use?

Whatever works best with your operational standards.

Unprecedented Reliability at all levels



Reliable network upgrade



Live Upgrade

Real-time upgrade to the latest OS with zero downtime

- No need for through upgrade planning or maintenance window
- Healthcare, Higher Ed cannot afford downtime

In-service Upgrade

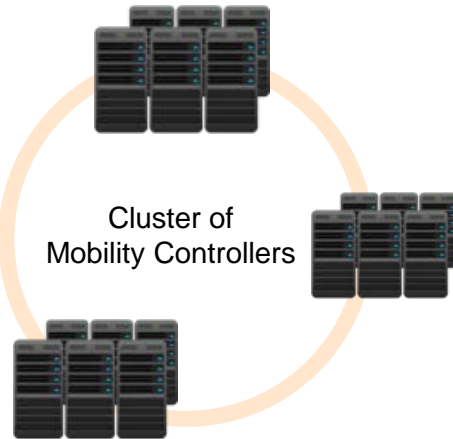
- Upgrade major features and functions, such as NB APIs, AirGroup, AppRF, ClientMatch

Automation and extensibility

AirMatch for high
density WLAN
automation



Cluster of
Mobility Controllers



APIs for context sharing and
configuration



ARUBAOS

Mobility
Master

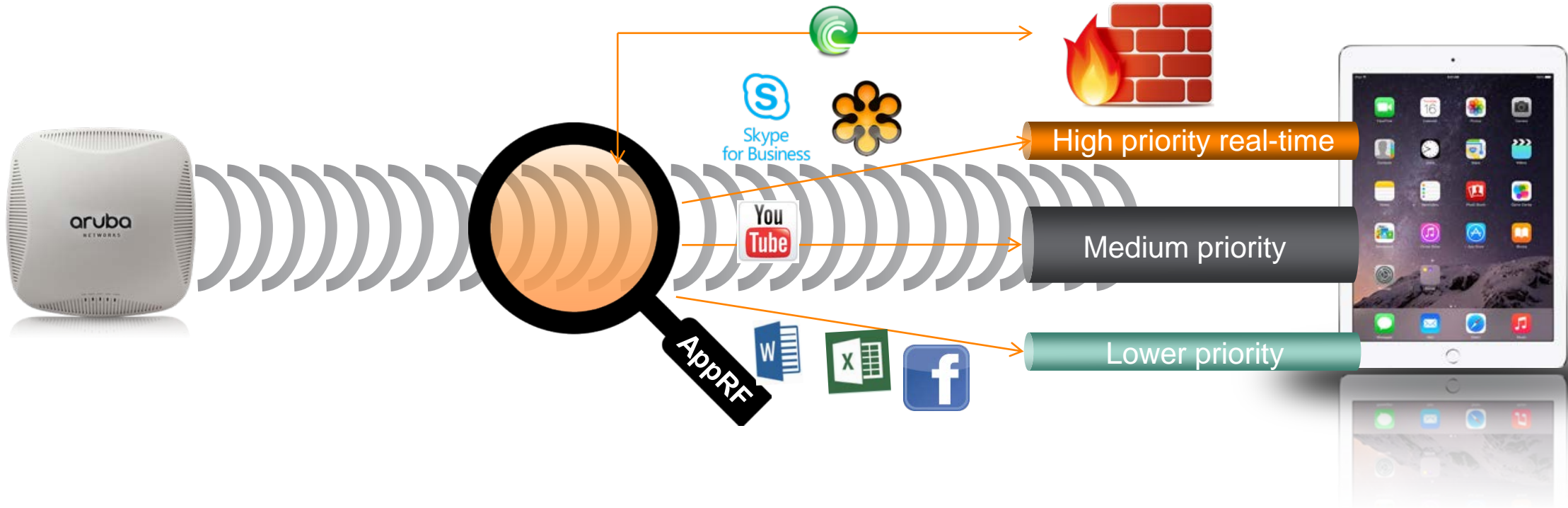


Skype for Business, Cisco
Jabber/Spark & Wi-Fi calling



Business apps with
custom signatures

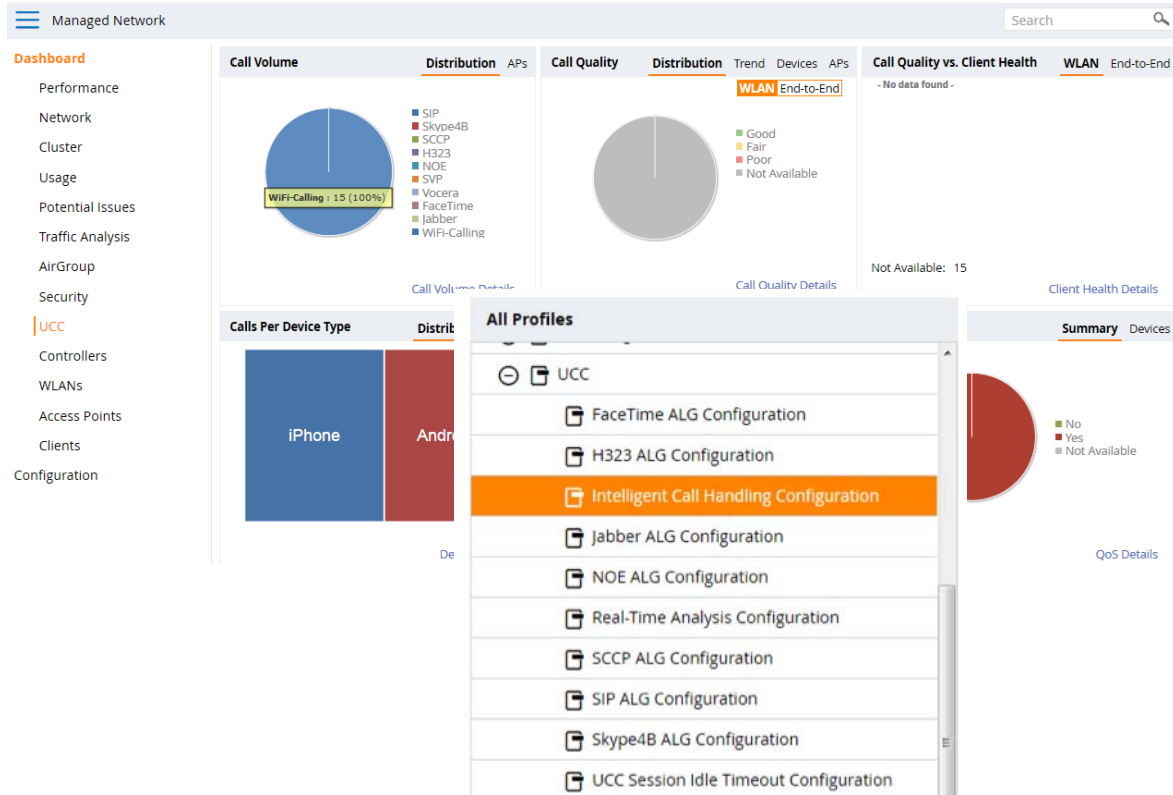
Intelligent traffic control with AppRF™



Automatically identifying traffic and prioritizing traffic per user and device

Network controls for unified communications

Awareness for Wi-Fi Calling, Cisco Jabber and custom apps

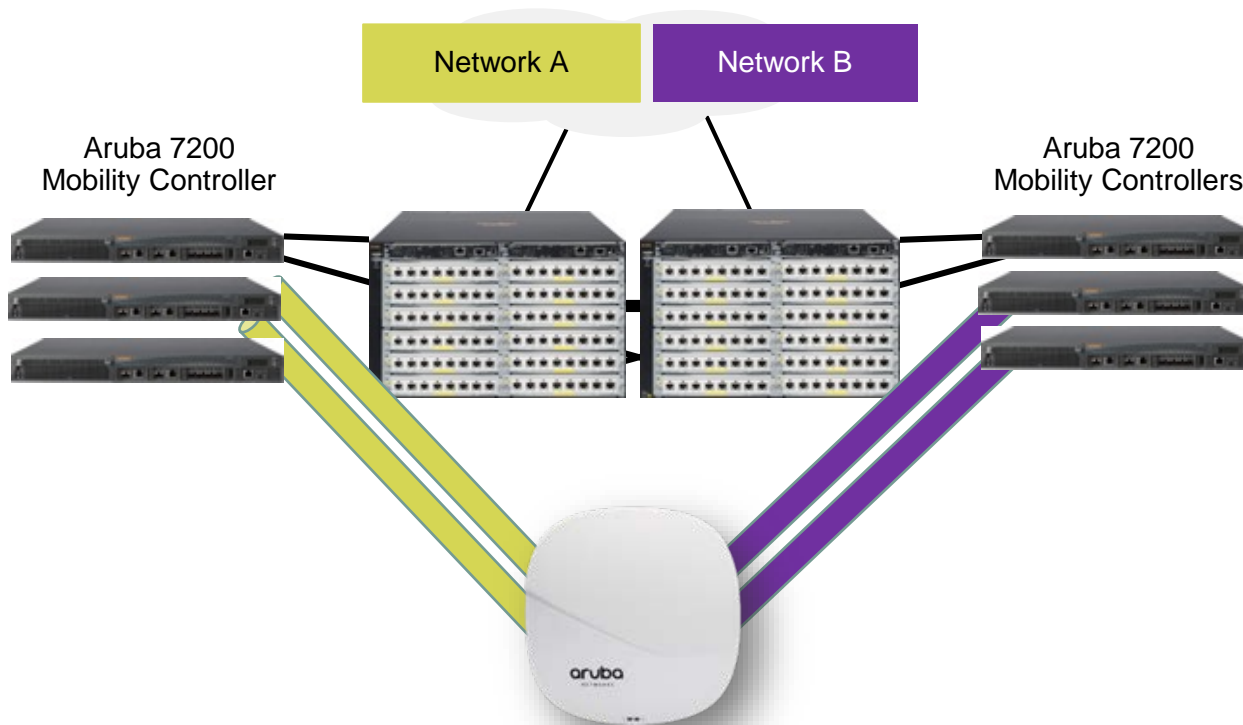


Unified Communications

- Custom AppRF definitions beyond the 2500+ apps that's automatically identified by AOS
- Update signatures without an Aruba OS upgrade
- Automatic classification, health metrics for Wi-Fi calling and Cisco Jabber

Network controls for mobility

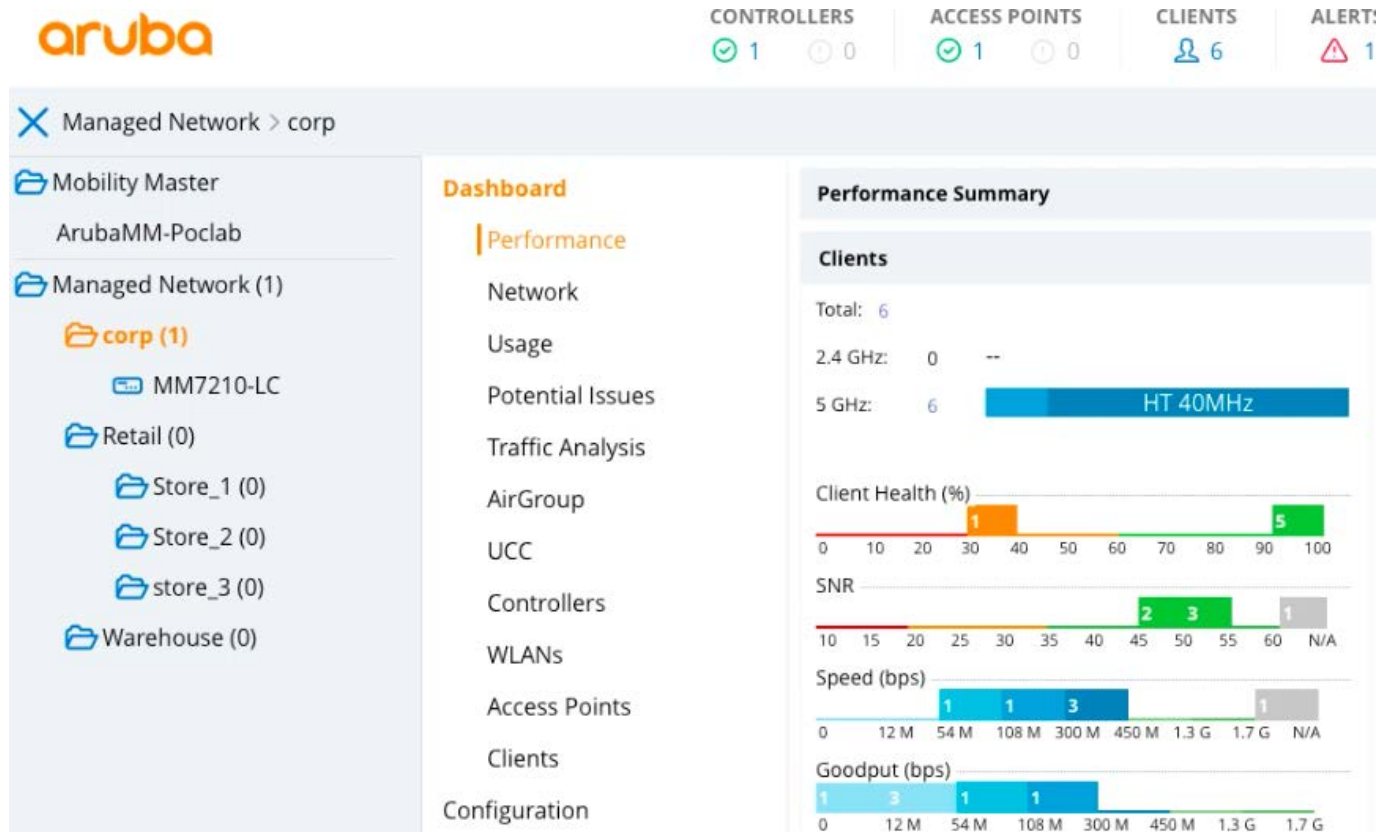
Multiple tenants on the same access point with MultiZone



MultiZone

- Multiple secure separated networks
- SSIDs terminate on different controllers
- Efficient use of Wi-Fi resources
- Secure data separation
- Multiple vertical use cases:
 - Government (classified vs. unclassified)
 - Airports (public, airport security, airline staff)
 - Shopping malls (staff, service provider, retail stores)
 - Service providers such as AT&T and Verizon

Ease of network scaling

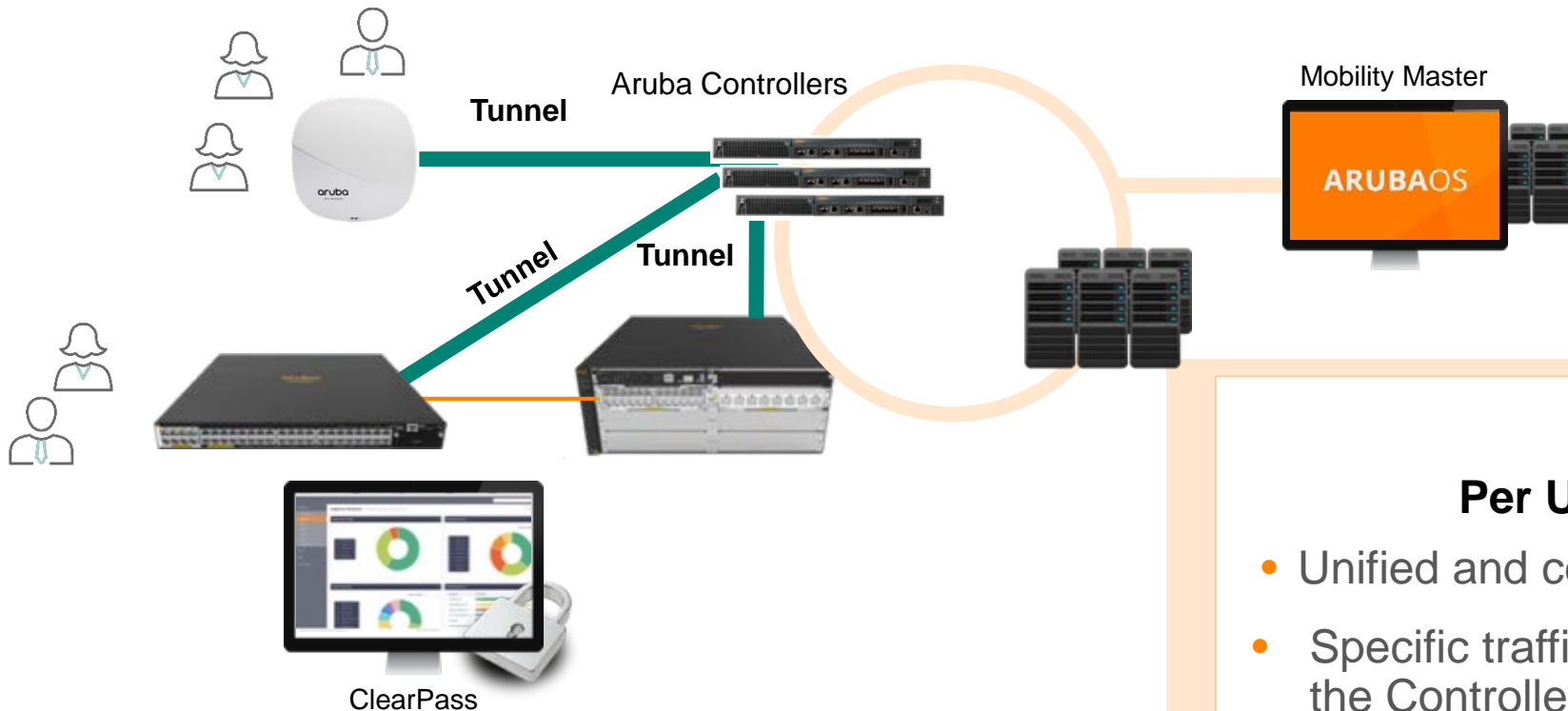


Hierarchical configuration

- One centralized place to push all configuration to all controllers
- More modern and simple UI
- Reduce time to configure network
- Provision APs and wireless networks with simple steps

Unified wired and wireless policy

Wired support won't be available till July

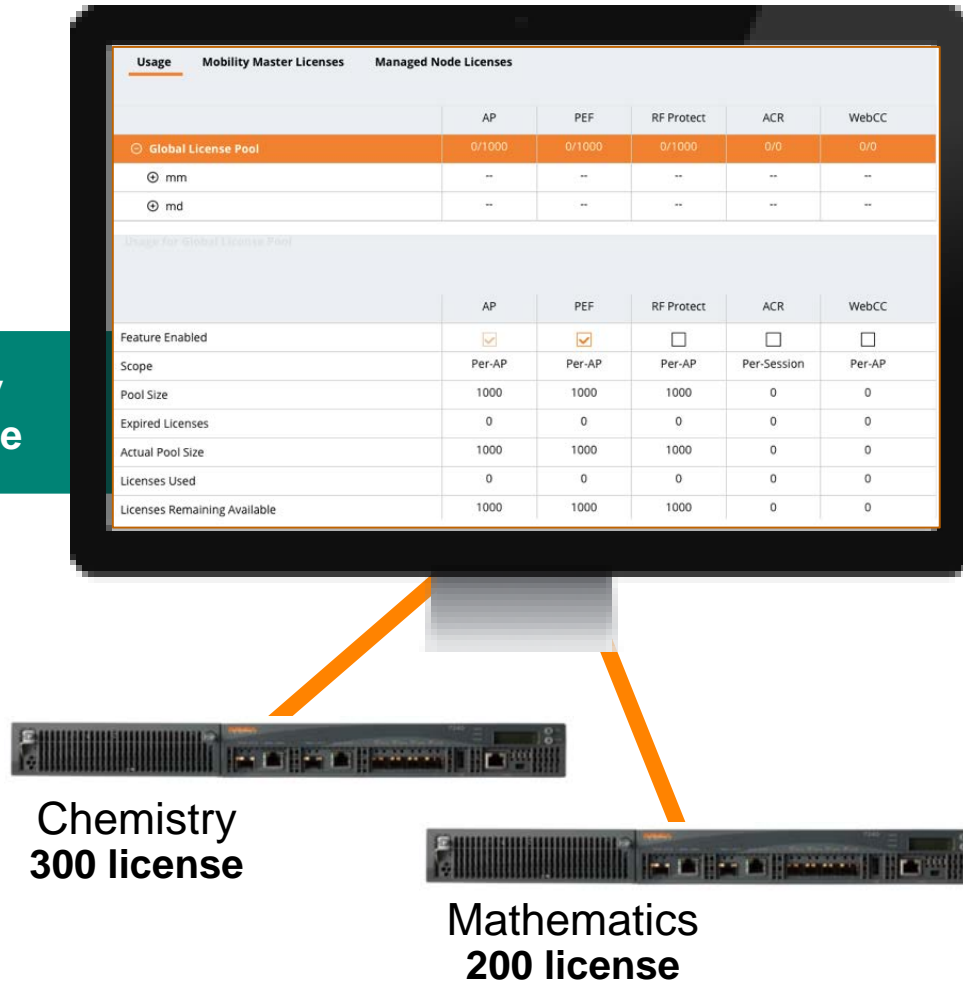


Per User tunnel node

- Unified and centralized policy control
- Specific traffic user/device role is sent to the Controller
- Extending controller access roles such as firewall to wired access users
- Higher availability and scalability

More flexibility for license deployment

University
500 license



Centralized licensing

- Centralized licensing – all licenses hosted from one single location MM
- Optional segmentation of license pools across different departments within the same organization

Thank you