aruba

Aruba Central
Tech Webinar, October 6th 2016

Christian Dupont, Britto Jagadesh & Barath Srinivasan

Aruba Instant
Virtualized Controller

aruba
a Hewlett Packard
Enterprise company

Aruba Instant - Virtualized Controller Solution

Virtualized Controller with integrated Redundancy

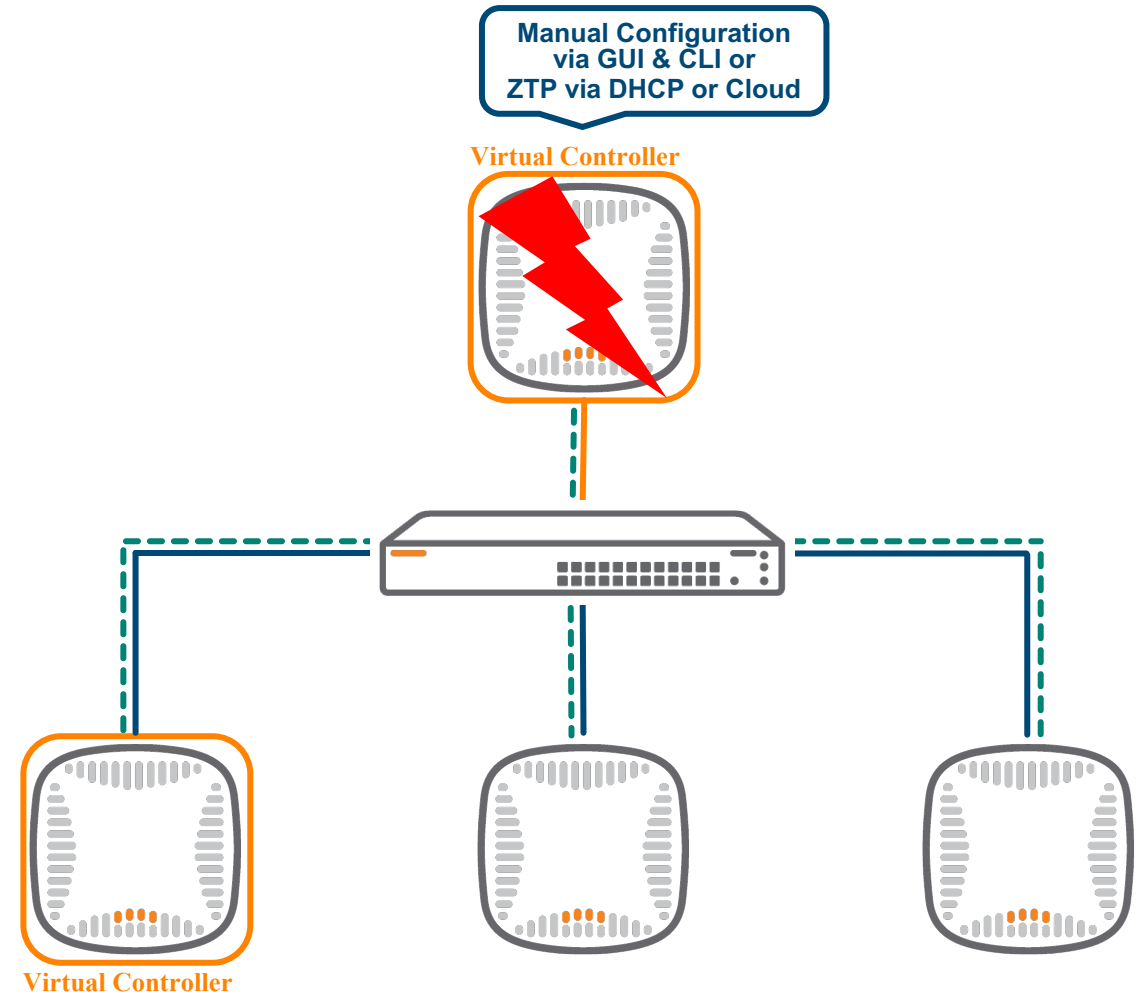**Distributed Control and Data Plane with Centralized Management**

Zero Touch Deployment through Cloud or DHCP

Enterprise Hardware and Feature Set

- Adaptive Radio Management & Client Match
- Policy Enforcement Firewall w. Role-based Access
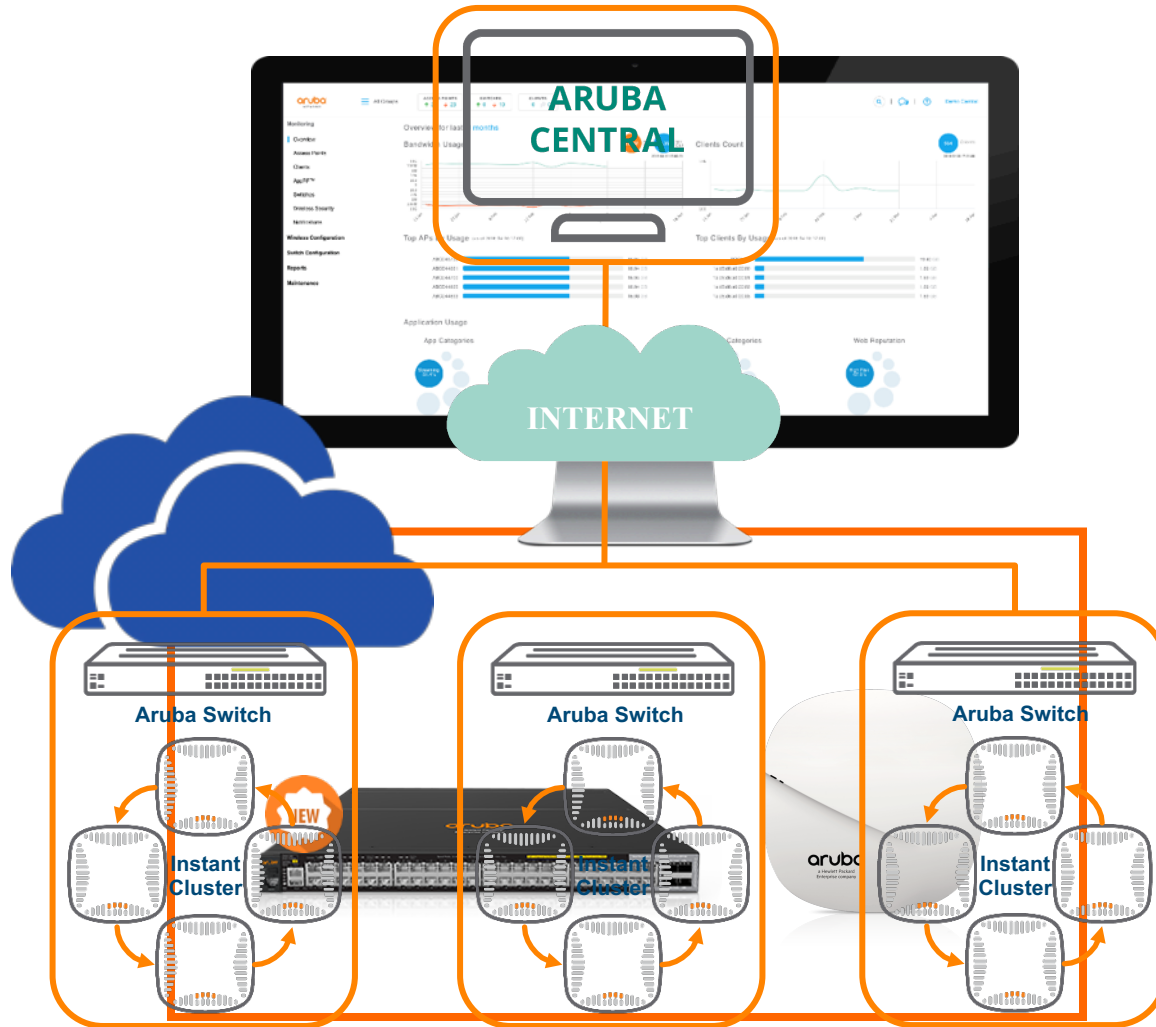- Layer 4-7 DPI capabilities w. AppRF & WebCC

Flexible Architecture for Investment Protection

- Easy migration to Campus or Remote Solution with your choice of On-Premise or Cloud Management

Manual Configuration via GUI & CLI or ZTP via DHCP or Cloud

Virtual Controller

Virtual Controller

Aruba Central

aruba
a Hewlett Packard
Enterprise company

Cloud Networking for Wi-Fi & Wired with Aruba Central

CLOUD MANAGEMENT
ZTP, Monitoring, configuration, troubleshooting and reporting etc.

CLOUD SERVICES
- Guest Wi-Fi with custom profiles
- App and web traffic analytics
- Presence analytics per location

SAAS ADVANTAGE
1/3/5-year subscriptions are available, with 24x7 TAC Support included

High performance Wi-Fi with Aruba Instant

VIRTUALIZED CONTROLLER

CENTRALIZED MANAGEMENT

Enterprise grade

Extensive AP Portfolio

Indoor - Small to High-Density

Outdoor with internal/external Antennas

Hospitality with integrated Switch-ports

Limited Lifetime Warranty

Wi-Fi Management

Full Management Capabilities

Detailed RF & Client Monitoring

Wireless IDS/IPS & Security

Software Updates

Instant Feature Set

Enterprise RF Management

Policy Enforcement Firewall

AppRF & WebCC

Site Survivability

aruba
a Hewlett Packard
Enterprise company

High performance Wired with Aruba Switching

Enterprise grade

Aruba 2920 & 2930F Supported

Extensive Switch Portfolio with

Strong Layer 3 Light Feature Set

Support for additional Aruba Switch

models planned for later

*AOS-Switch v. 16.02.008 required

Switch Management

System Parameters

DHCP Options

VLAN Configuration

Software Updates

Limited Lifetime Warranty

+

No Feature License Required

Aruba Central
Network Management System

Network Management

Network Configuration

- Centralized Configuration of Wired & Wireless
- Group based templates
- Scheduled and ad-hoc software updates
- Centralized License and Access management
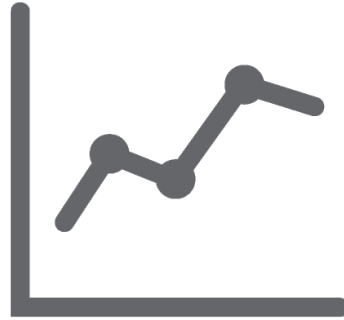
Monitoring

- Data Retention for Easier Monitoring and Troubleshooting
- Dashboard for Network Status and Summary View
- Detailed insights for Wired and Wireless infrastructure, Clients, Security and Applications

Security & Troubleshooting

- Integrated Intrusion Detection and Protection
- PCI Compliance
- Wired & Wireless Troubleshooting with CLI Commands

Network Management
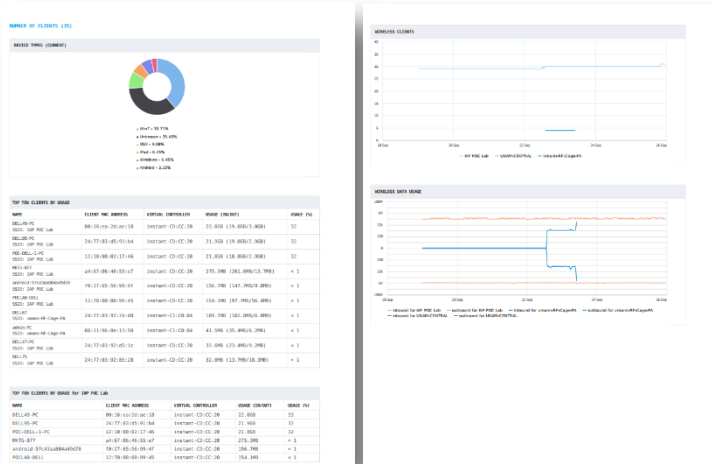
Reporting

Reports for Network, Security, PCI Compliance, Inventory and Capacity Planning can be scheduled or run instantly.

Two-factor Authentication

Enable two-factor authentication with Google Authenticator for added management security.

Audit Trail

Track detailed configuration changes made to Central and see who made them and when.

Network Management
iOS App for Monitoring & Deployment
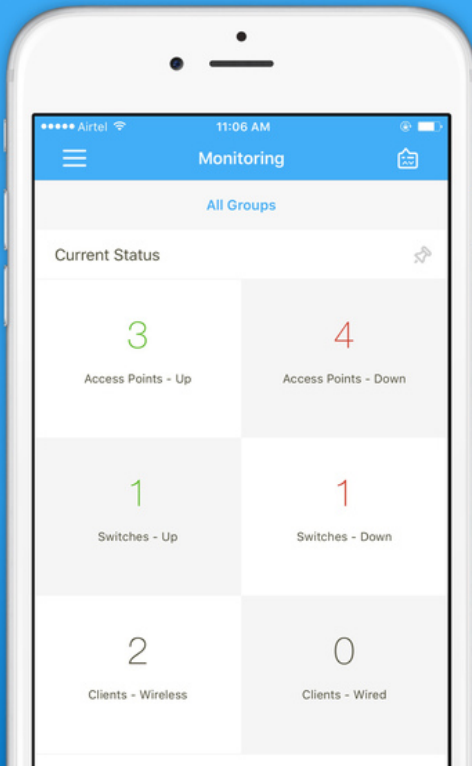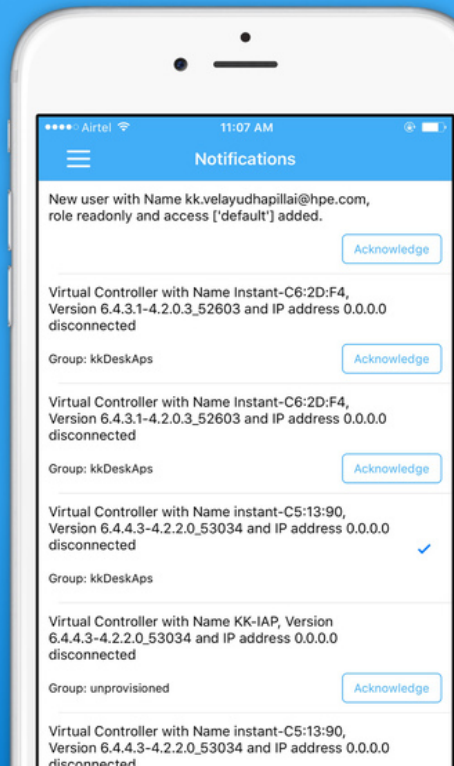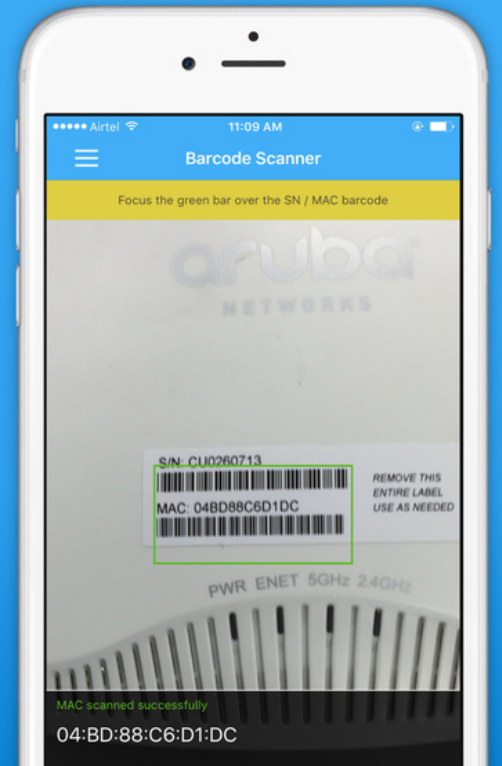
Aruba Central
Services

AppRF - Application and web traffic analytics
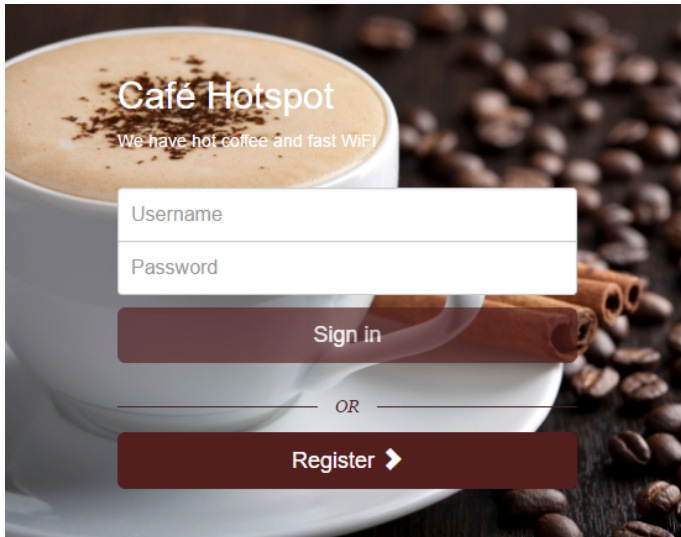
- View app usage and web traffic
- Classify and prioritize business apps
- Block inappropriate content
- Enforce per user, device, location
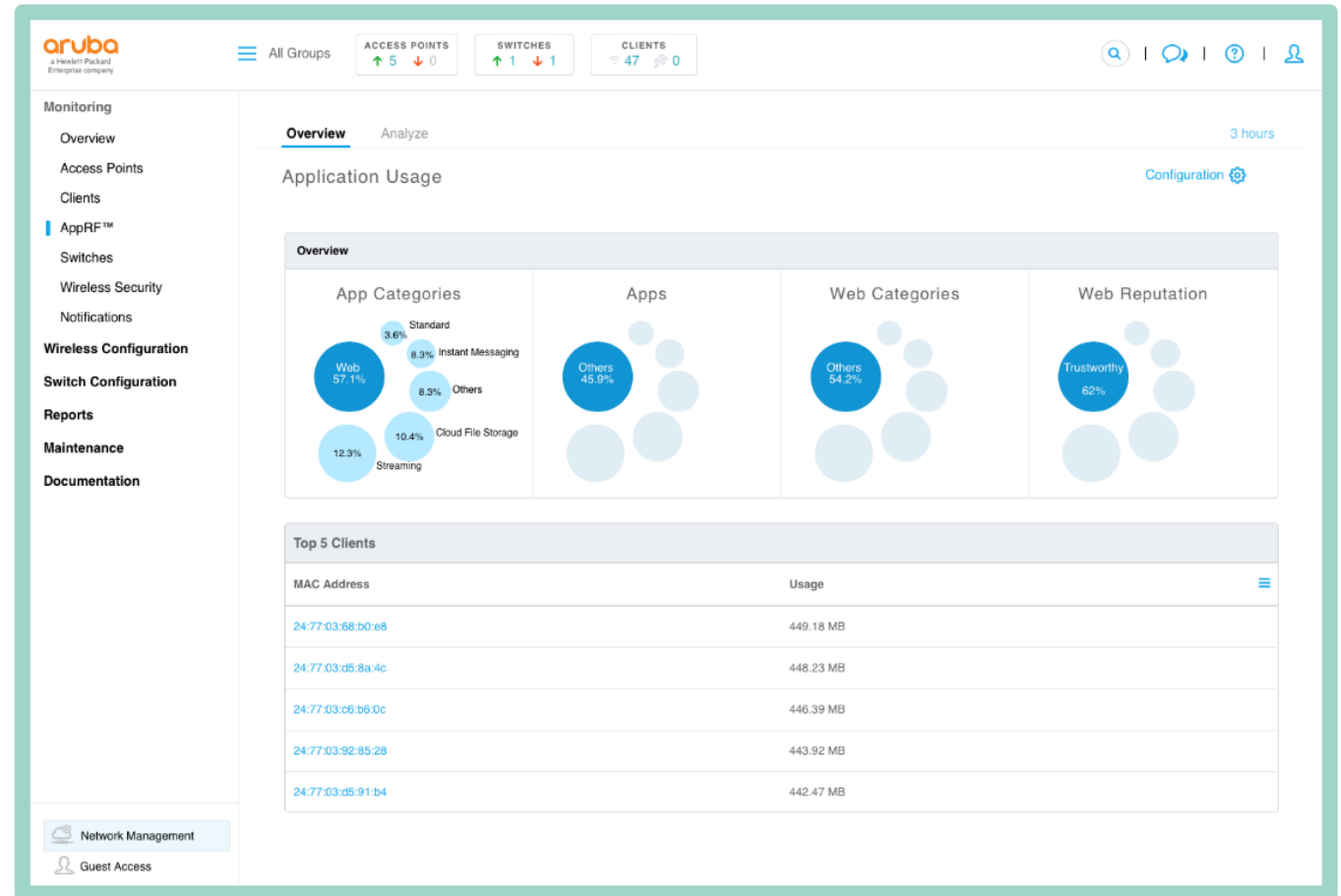
Guest Access – Captive Portal Wi-Fi Services
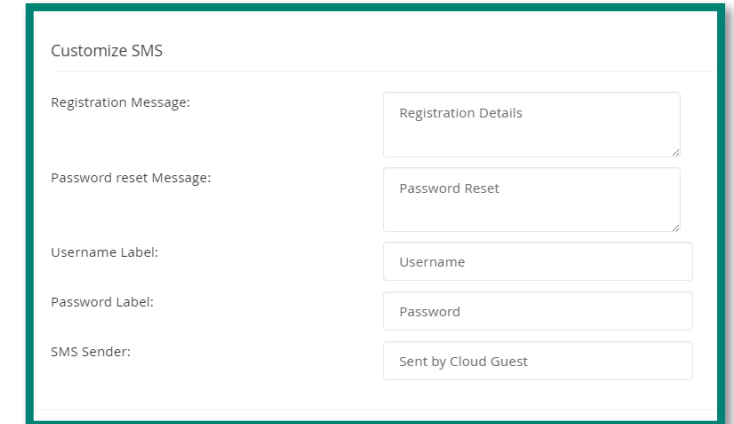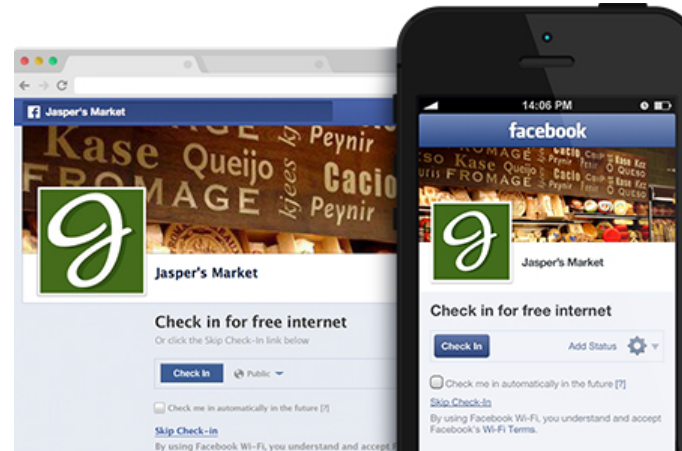
Guest

Portal Customization
- Background, Color & Buttons
- Logo & Messaging
- Whitelist
- Terms & Conditions
- Advertising

Guest Authentication
- Anonymous
- Facebook Wi-Fi
- Social Login
- Username & Password
- Self-registration via Email or SMS

Advanced Options
- Redirect URL
- Session Timeout
- MAC Caching
- Usage Limit by Time or Data
- Device Limit per Account

aruba
a Hewlett Packard
Enterprise company

14

Presence Analytics – Insight into customer behavior

Passer by

- Clients registered within pre-defined Services RSSI threshold.

Visitor

- Clients registered within pre-defined Presence Analytics RSSI threshold.

Engaged

- Clients registered within pre-defined Presence Analytics RSSI and time threshold.

Dwell Time

- Average time spent for Engaged devices.

Insight

- Compare different locations over time, grouped by store labels.

Presence Analytics can be configured to detect unassociated clients only or associated and unassociated clients.

Inactive clients will be aged out after 30 min.

Client information is anonymous and not stored within Central.

Aruba Central
Managed Service Provider (MSP) Dashboard

MSP Dashboard

Centralized Management of Multiple Accounts

- Single pool of Subscriptions & Devices
- Flexible assignment of Subscriptions and Devices
- Multi-tenant Environment
- Template based Configuration
- Single Monitoring Dashboard
- Portal Customization and Skinning

No additional cost to activate MSP, just enable Service Provider Mode

MSP DASHBOARD

ARUBA CENTRAL

ARUBA CENTRAL

ARUBA CENTRAL

INTERNET

INTERNET

INTERNET

Aruba Switch

Aruba Switch

Aruba Switch

Instant Cluster

Instant Cluster

Instant Cluster
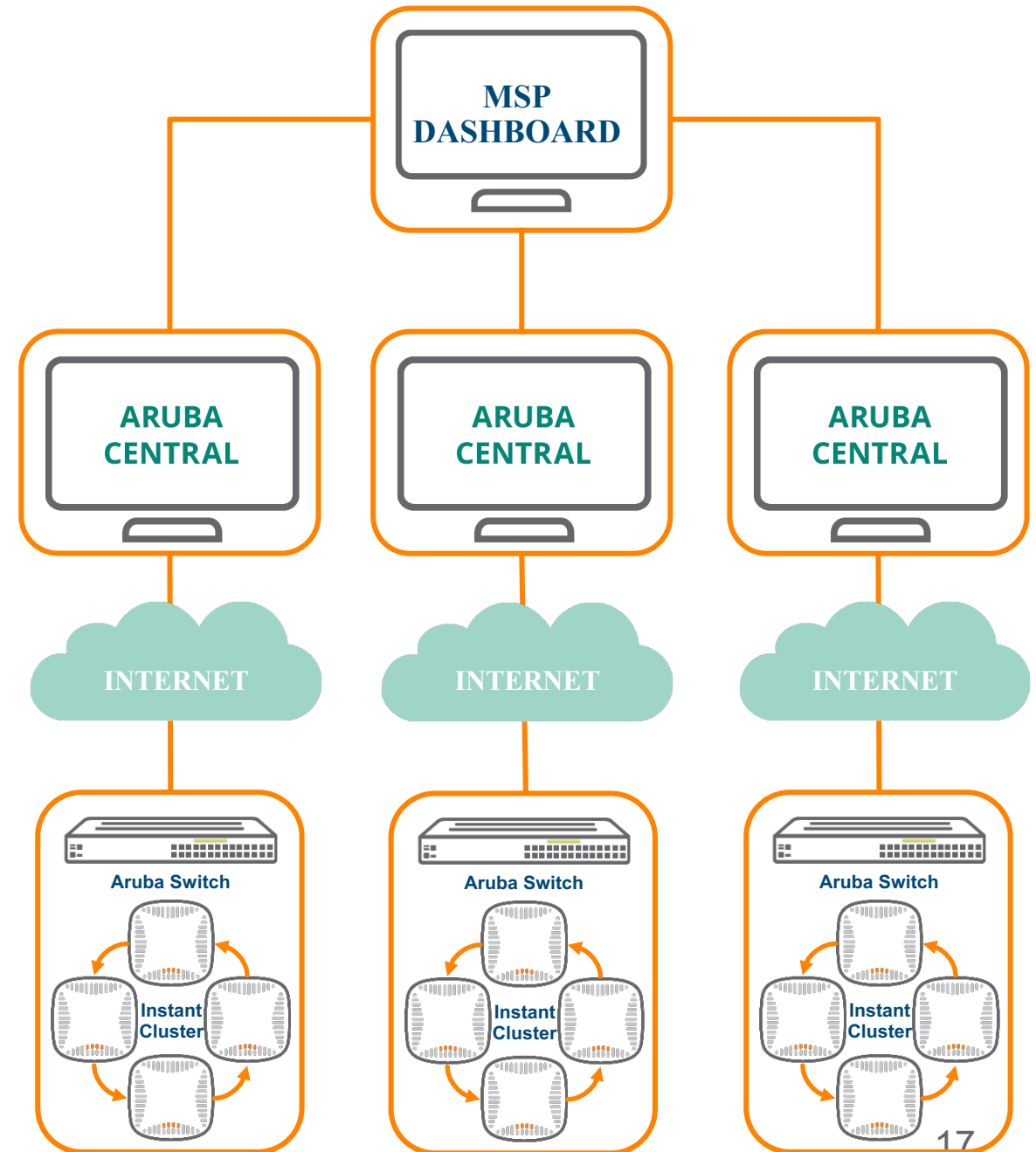
Where to use MSP Dashboard

Distributed IT Organizations

Mid-large enterprises centralize IT purchasing & services

Local operations

K-12, Retail, Hospitality

Managed Wi-Fi Services

Partners deliver add-on services with Central

Small/Midsize enterprises own hardware

Resellers

Wi-Fi-as-a-Service

Service Providers own hardware & Central to deliver Wi-Fi as a service

Small/Midsize enterprises subscribe to Wi-Fi

Service Providers

How it works

IT Org /Service Provider

> Purchase APs & subscriptions from Aruba
> Create templates for starting config
> Create accounts & assign config templates
> Assign devices to customers & licenses to devices
> Change config, manage firmware, troubleshoot, terminate account

Branch locations/ Customer

> Plug in AP & light up network in minutes!
> View dashboard(s), change PSK & guest portal

aruba
a Hewlett Packard
Enterprise company

19

API Gateway for Configuration & Monitoring

Additional Resources

Updated Modular Online Training for Aruba Central available for free at arubanetworks.com

Updated Modular Online Training for Aruba Instant available for free at arubanetworks.com

Free 90-day trial!

Demo time…

Thank you!