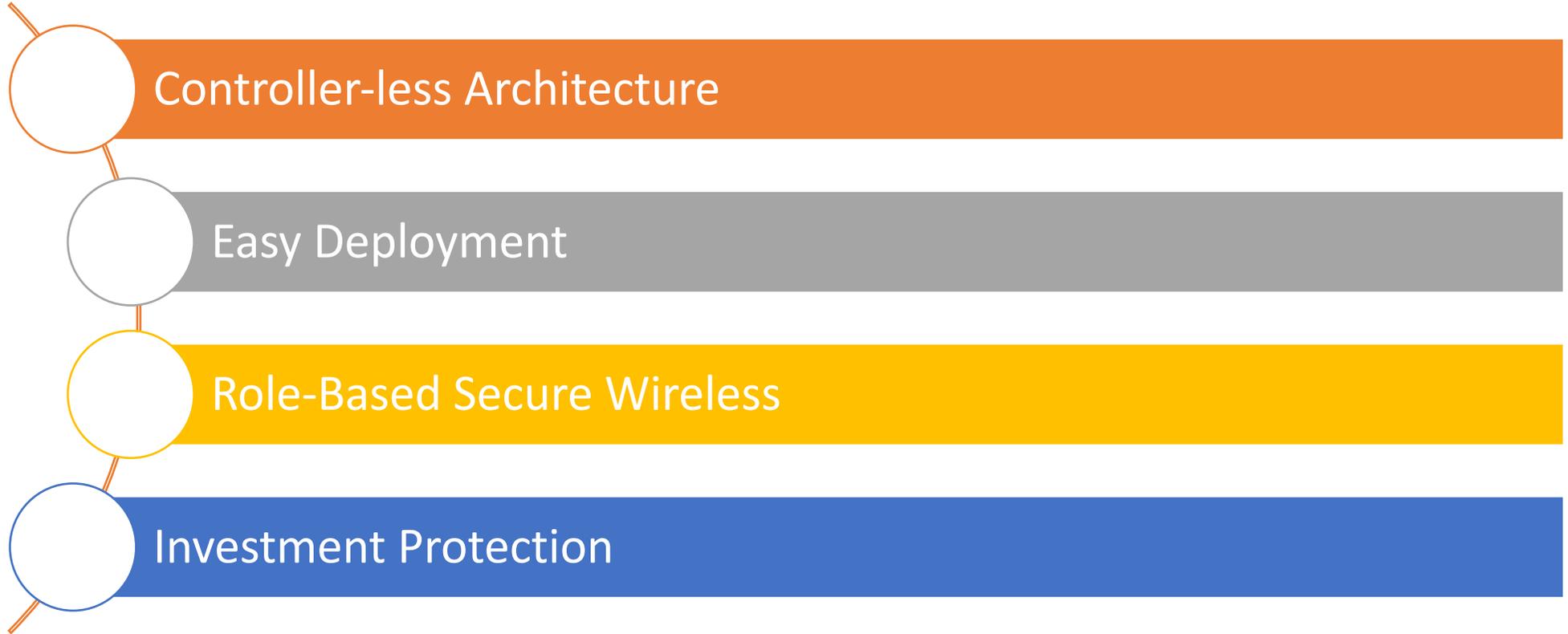


Tek Noktadan Dağıtık Ağların Yönetimi

Aruba Instant – Aruba Central



Instant Benefits



Product Family



340 Series 11ac Wave 2

4x4:4 MU-MIMO
Dual 5GHz Radio capable
Dual uplink, BLE, USB
Smart Rate (2.5/5GBASE-T)

330 Series 11ac Wave 2

4x4:4 MU-MIMO
Dual uplink, BLE, USB
Smart Rate (2.5/5GBASE-T)

320 Series 11ac Wave 2

4x4:4 MU-MIMO
Dual uplink, BLE, USB

310 Series 11ac Wave 2

4x4:4 MU-MIMO
BLE, USB

300 Series 11ac Wave 2

3x3:3 MU-MIMO
BLE, USB

303 Series 11ac Wave 2

2x2:2 Dual-radio
BLE, USB



303H 11ac

3 Ports, PoE Out
2x2:2 Wave 2
Dual-radio, BLE
USB



203H 11ac

1 GbE Ports Out
2x2:2 flex-radio
USB



203R 11ac

2 GbE Ports Out, 1x PoE Out
2x2:2 Flex-radio, BLE, USB
20 Mbps wired IPsec encryption



328 Series 11ac

2 GbE Ports Out, 1x PoE Out
2x2:2 Flex-radio, BLE, USB
20 Mbps wired IPsec encryption



367 11ac Wave 2

2x2:2 Dual-radio, BLE
90° Directional Antennas



365 11ac Wave 2

2x2:2 Dual-radio, BLE
Omnidirectional Antennas



375 11ac Wave 2

3x3:3 Dual-radio
Omnidirectional Antennas



377 11ac Wave 2

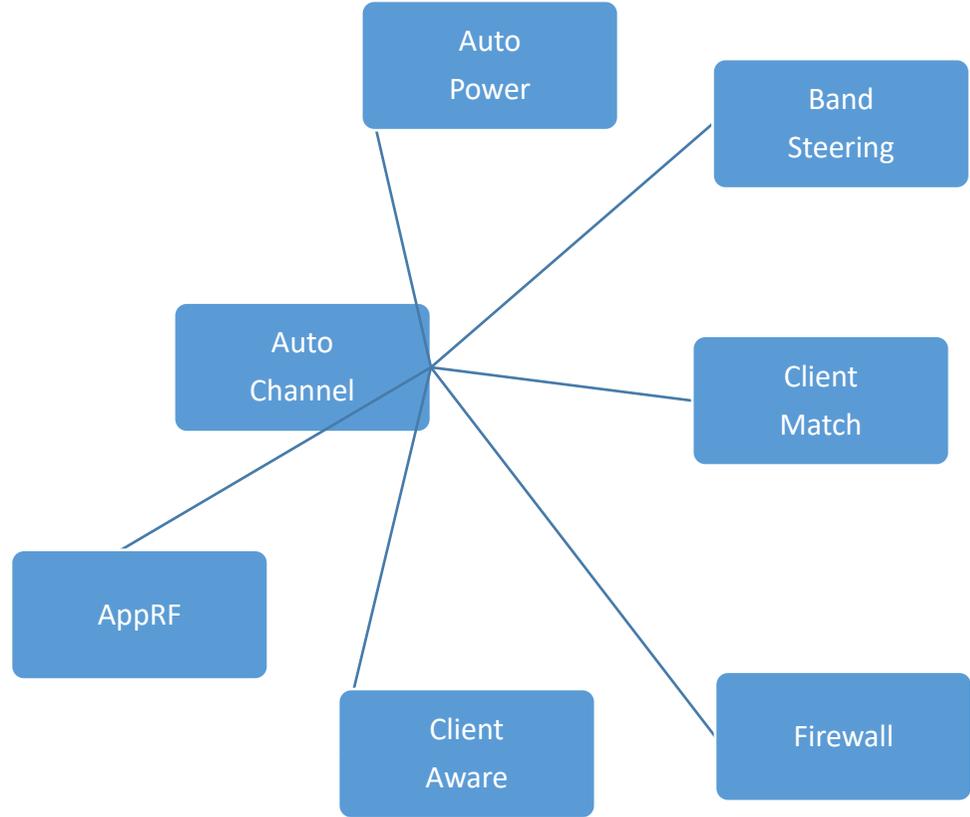
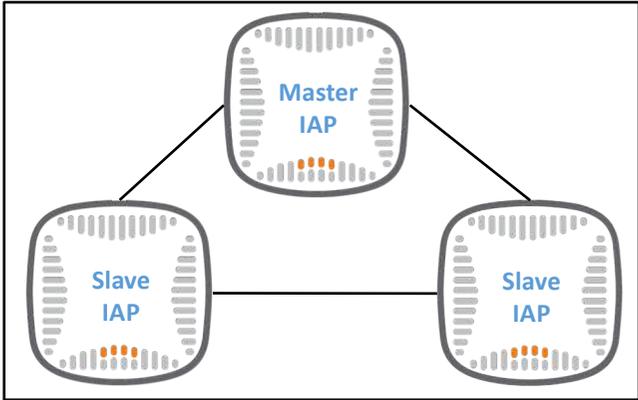
3x3:3 Dual-radio
80° Directional Antennas

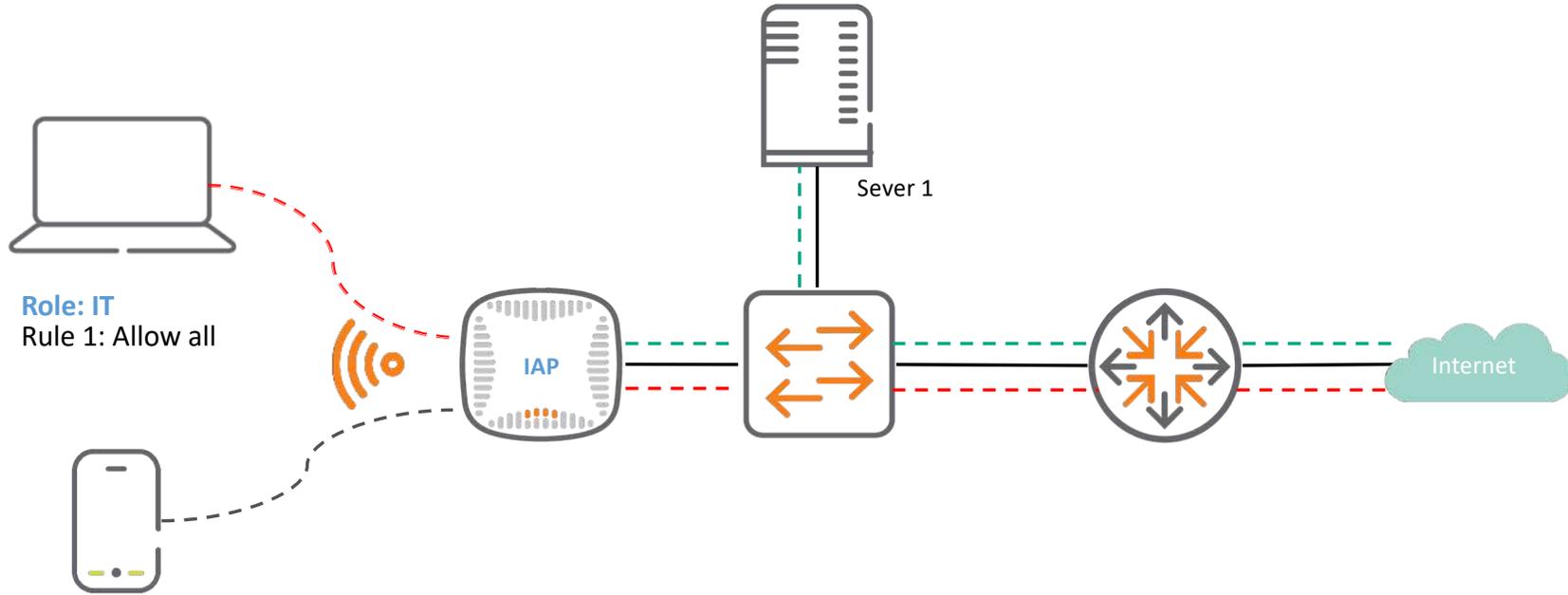


374 11ac Wave 2

3x3:3 Dual-radio
3 External Antenna Connectors







Role: IT
Rule 1: Allow all

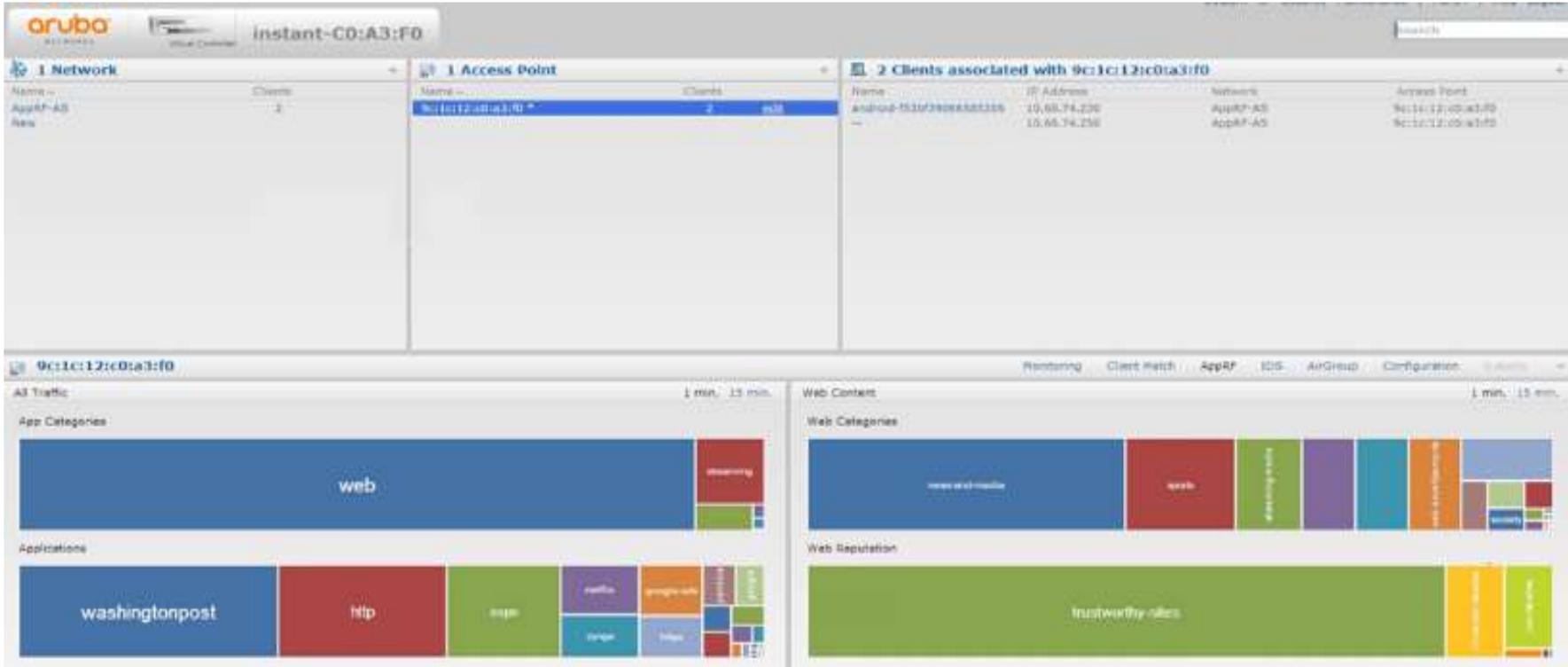
Role: Employee
Rule 1 : Deny access to server 1
Rule 2 : Deny social networking sites
Rule 3 : Allow all

Content Filtering

The screenshot displays the 'Edit SD-Emp-Temp' configuration window, specifically the 'Access Rules' section. The interface is divided into four tabs: '1 WLAN Settings', '2 VLAN', '3 Security', and '4 Access'. The 'Access Rules' section features a vertical slider on the left for control level, ranging from 'More Control' to 'Less Control', with 'Network-based' selected. A list of four rules is shown, with the third rule highlighted: 'Allow application netflix to all destinations + application bandwidth of downstream 2000 kbps/upstream 500 kbps'. An 'Edit Rule' dialog box is open for this rule, showing the following configuration:

- Rule type: Access control
- Service: Application (selected)
- Action: Allow
- Destination: to all destinations
- Options: Application Throttling (checked)
- Downstream: 2000 kbps
- Upstream: 500 kbps
- Other options: Log, DSCP tag, Blacklist, Disable scanning, 802.1p priority (all unchecked)

A note at the bottom of the dialog states: 'Note: Application and Application category rules will only be applied on supported platforms.' Buttons for 'OK', 'Cancel', 'Back', 'Finish', and 'Cancel' are visible at the bottom of the interface.



Guest Captive Portal

Captive Portal

Not Secure | https://10.70.172.251:4343/swarm.cgi?opcode=cp_preview&sid=v3hUWB07SXiiWDBPTse2&bg_color=16777215&...



Welcome to Nick's Café

Please read terms and conditions before using Guest Network

This network is not secure and use is at your own risk

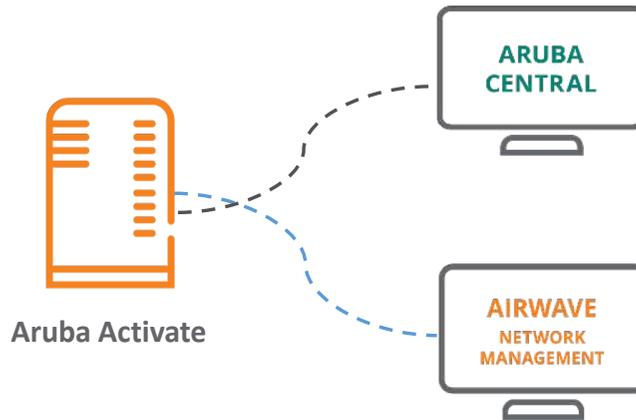
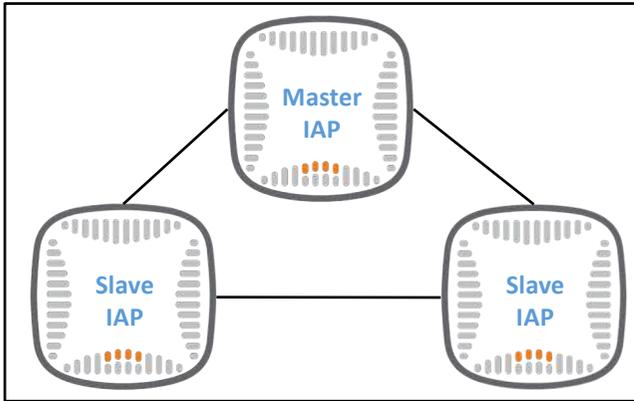
USERNAME

.....

I agree with the terms and conditions

Login

Instant Provisining

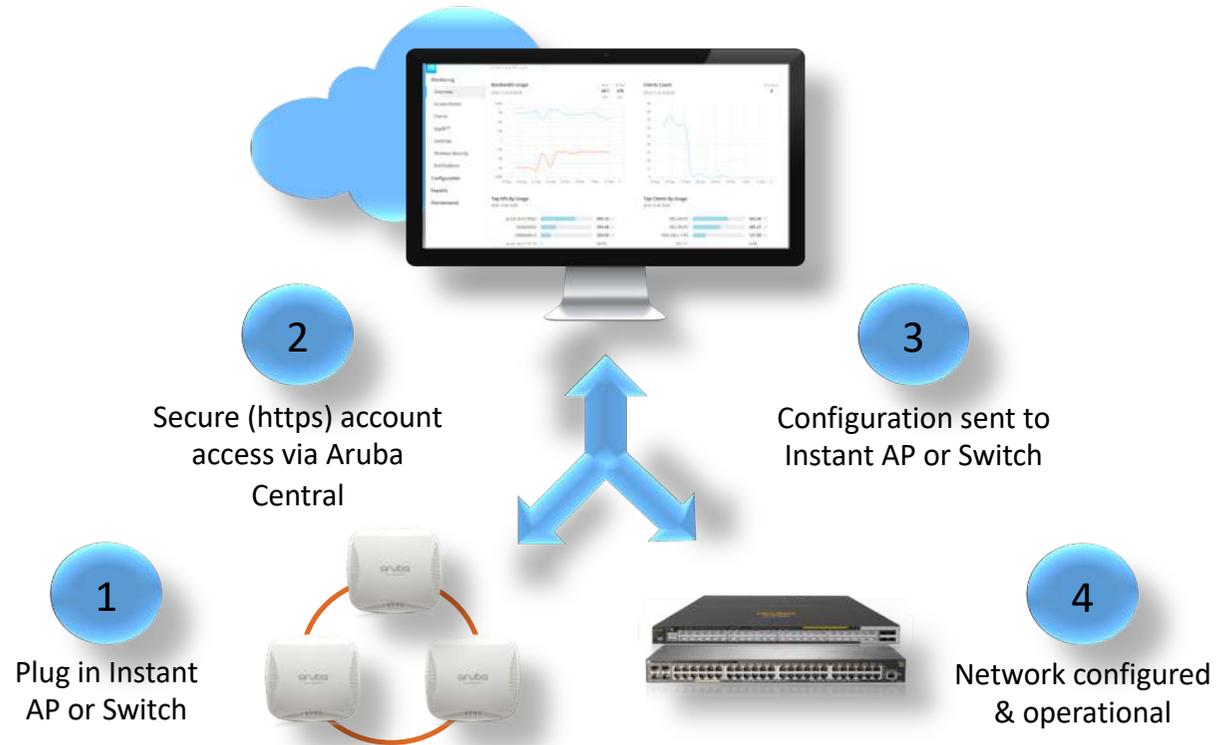


Configure ONLY Master AP

Other APs auto-join in same L2 Slaves

ZTP with Activate for AirWave and Central

Aruba Central Zero Touch Provisioning



Why Cloud-Managed Networks

Simple:

- No management hardware & software to maintain.
- Easy network deployment.



Reliable:

- Guaranteed uptime.
- Local management if cloud connectivity fails.

Intelligent:

- Built-in hardware capabilities to ensure performance & visibility.
- Analytics to improve business & user experience.



Flexible:

- Easy to scale network.
- Ongoing innovation.
- Subscription options - OPEX.
- Anytime, anywhere access.

Add Device

DEVICE INVENTORY

View the devices in your inventory and manage them.

ADD DEVICES

VIEW DEVICES

SERIAL NUMBER	MAC ADDRESS
CNCRK2T02T	20:4C:03:...

ADD DEVICES

Add up to 9 devices by entering the Serial Number and MAC Address for each device

SERIAL NUMBER	MAC ADDRESS
<input type="text"/>	<input type="text"/>

Add more devices **Done**

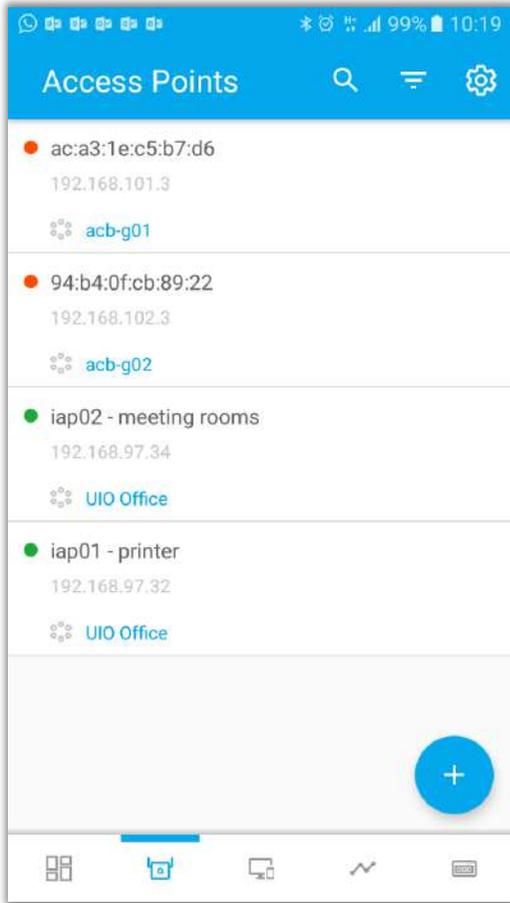
ADVANCED

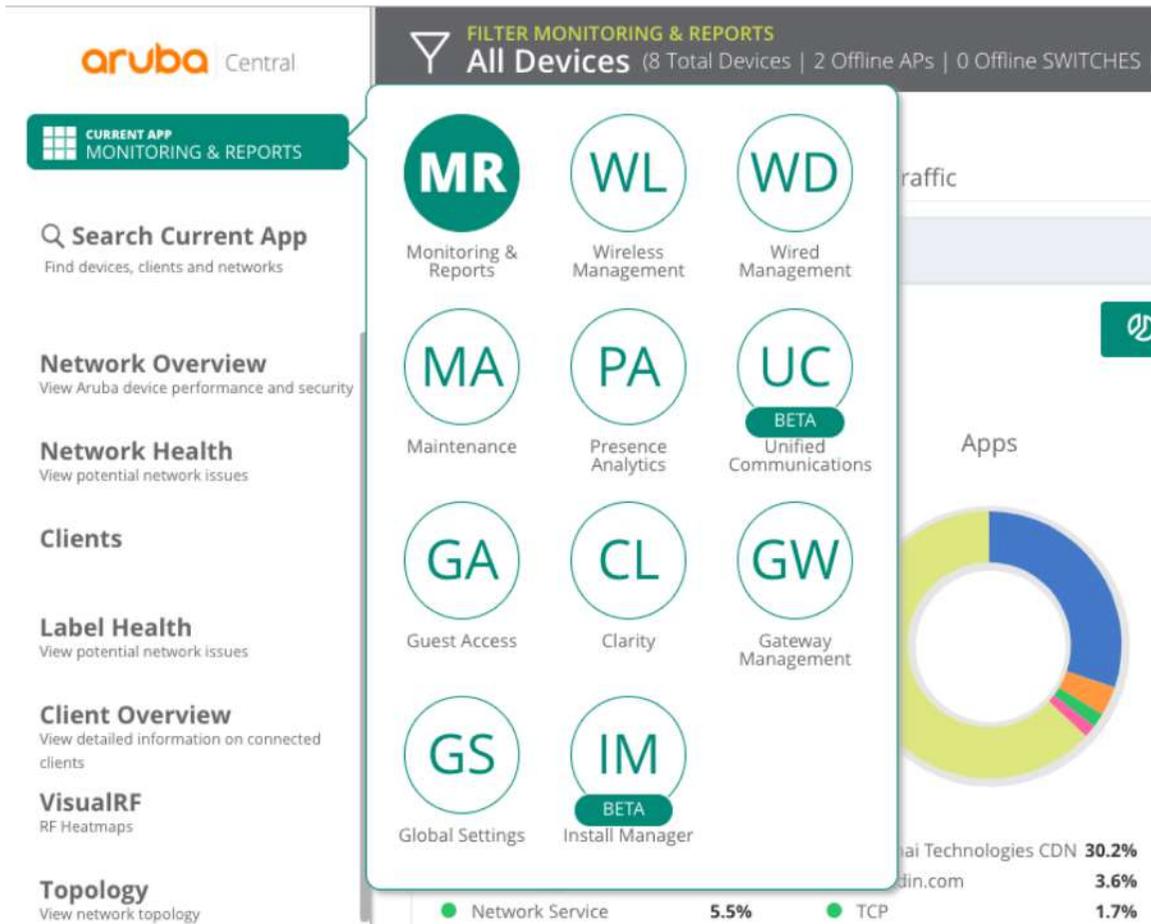
PART NUMBER	GROUP	STATUS
JY712A	default	

1 Device(s)

Subscribed

Unsubscribed

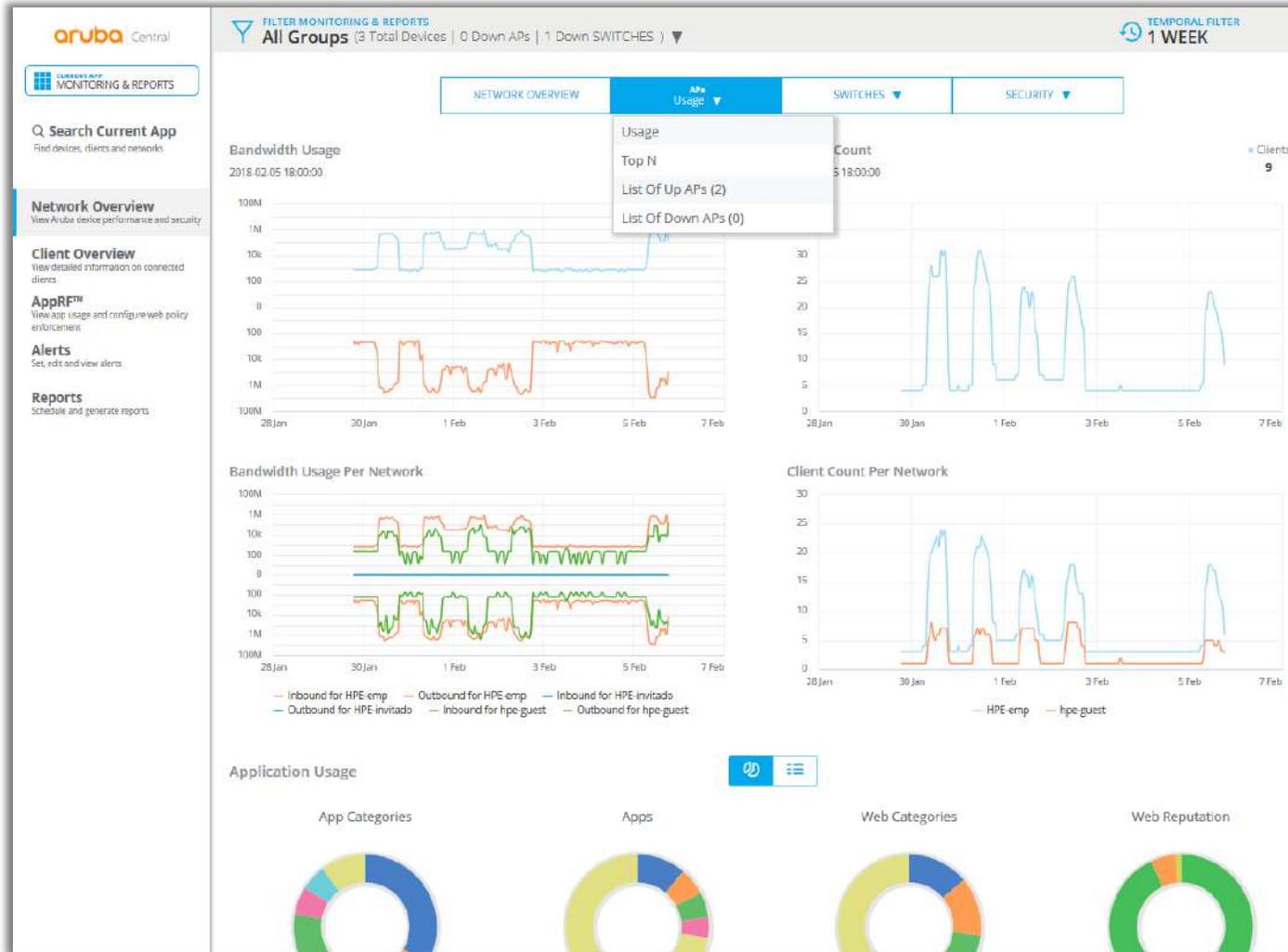




Workflows categorized in Applications

Granular Control with each Application

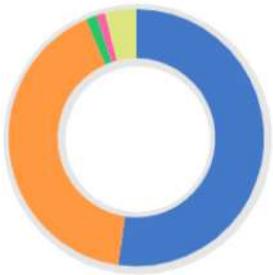
Single-pane of Glass



Overview

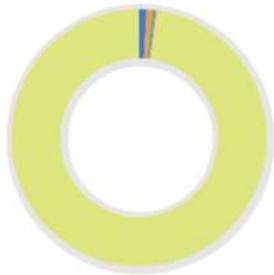


App Categories



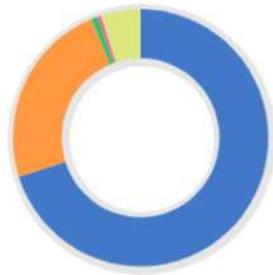
Mobile App Store	52.3%
Web	41.3%
Network Service	1.4%
Social Networking	1.1%
Others	3.9%

Apps



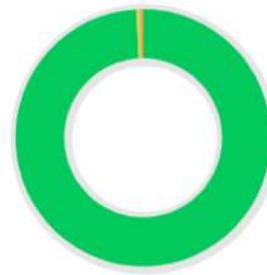
linkedin.com	1%
HTTP	0.7%
HTTPS	0.4%
TCP	0.2%
Others	97.7%

Web Categories



Business and Economy	70.1%
Computer and Internet I...	23.6%
Social Networking Web	0.8%
Content Delivery Networks	0.5%
Others	5%

Web Reputation



Trustworthy	99.1%
Low Risk	0.4%
Moderate Risk	0.4%

Need Help? ^

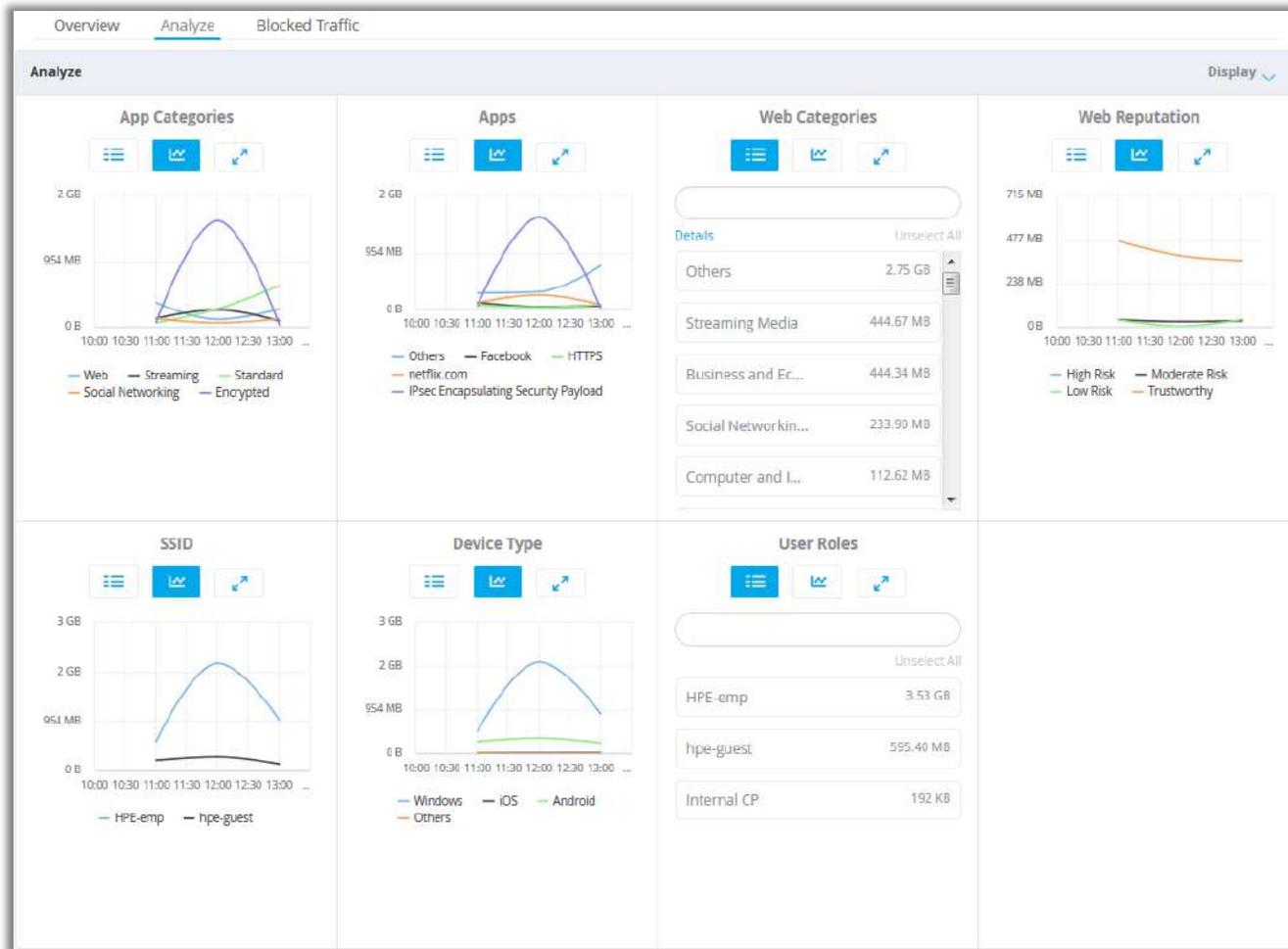
Feedback ^

Monitor usage to optimize and secure the network

Prioritize business critical applications

Block Inappropriate Content
Download Blocked Sessions

Enforce on a per user, device or location basis



Alerts

Open Acknowledged Configure Alerts

Critical 135	Major 18	Minor 0	Warning 10
------------------------	--------------------	-------------------	----------------------

DHCP Delay Detected	76
Authentication Failure Detected	43
New User Account Added	14
Virtual Controller Disconnected	8
User Account Edited	5
DHCP Failure Detected	5
New Virtual Controller Detected	4
New AP Detected	4
AP Disconnected	2
New Switch Connected	1
Switch Disconnected	1

Search... ✓ Acknowledge All

- More than 30% of Authentication attempts made in the last 30 minutes has failed
11 hours ago ✓ Acknowledge
- More than 30% of DHCP attempts made in the last 30 minutes was delayed more than 200ms
11 hours ago
- More than 30% of DHCP attempts made in the last 30 minutes was delayed more than 200ms
12 hours ago
- More than 30% of DHCP attempts made in the last 30 minutes was delayed more than 200ms
18 hours ago

Need Help? ^ Feedback ^

Connectivity - DNS, DHCP, Authentication and Association

Wireless - AP, VC & Rogue Status, Attacks, CPU & Utilization

Wired - Switch Health, Utilization, Errors

Bootcamp Reporte 01 - Aug 08 2017 - Aug 08 2017 - Message (Plain Text)

FILE MESSAGE ADOBE PDF

Ignore Delete Reply Reply All Forward IM More

Move to: ? To Manager Team Email

Rules OneNote Assign Policy Mark U Catego Follow U

miércoles 2017-08-09 14:09

no-reply@arubanetworks.com

Bootcamp Reporte 01 - Aug 08 2017 - Aug 08 2017

To Iturralde, Henderson

Message Bootcamp-Reporte-01-Aug-08-2017-Aug-08-2017.pdf (107 KB)

Find Bootcamp Reporte 01 - Aug 08 2017 - Aug 08 2017 in the attachments

aruba Centro

UIO Office Client Session

UIO Office
Sep-04-2017 - Oct-01-2017

TOTAL CLIENTS	TOTAL SESSIONS	DURATION	TOTAL USAGE	TRANSFERRED	RECEIVED
69	6304	2754:17:59m	520.39 GB	83.35 GB	437.04 GB

SESSION DATA BY OS

OS	SESSION COUNT (%)	CLIENT COUNT (%)	DURATION (%)	TOTAL USAGE (%)	USAGE (IN / OUT)
Win10	2174 (34.05%)	17 (24.64%)	904:18:08m (33.47%)	233.70 GB (44.91%)	107.13 GB / 45.57 GB
Android	1480 (23.38%)	25 (36.23%)	798:23:19m (29.08%)	13.85 GB (2.68%)	126.71 GB / 30.15 GB
Unknown	1046 (16.39%)	52 (75.36%)	668:18:48m (24.28%)	55.50 GB (10.68%)	45.78 GB / 9.77 GB
Windows	788 (12.34%)	7 (10.14%)	678:11:28m (24.63%)	18.64 GB (3.58%)	13.43 GB / 5.21 GB
Win7	514 (8.05%)	8 (11.50%)	671:14:08m (24.37%)	23.10 GB (4.45%)	22.06 GB / 1.11 GB
Win8	388 (6.04%)	3 (4.35%)	318:00:48m (11.54%)	33.77 GB (6.49%)	10.66 GB / 4.11 GB
iPad	116 (1.82%)	12 (17.39%)	172:00:48m (6.24%)	28.36 MB (0.01%)	21.06 MB / 7.32 MB
iPhone	38 (0.60%)	38 (55.07%)	660:00:58m (23.98%)	684.77 MB (0.13%)	437.12 MB / 47.66 MB
Linux	20 (0.31%)	4 (5.80%)	624:42:55m (22.67%)	2.86 GB (0.55%)	2.11 GB / 367.87 MB
Win8	13 (0.20%)	4 (5.80%)	604:13:25m (21.93%)	01.41 MB (0.01%)	47.75 MB / 13.99 MB
WinXP	7 (0.11%)	1 (1.45%)	604:01:38m (21.93%)		

CLIENTS BY OS

1 / 11

Connectivity Health(CH)

90

Attempts

4

Success Rate

100%

Timely

4

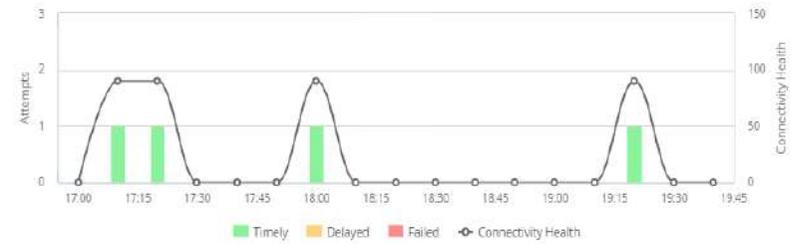
Delayed

0

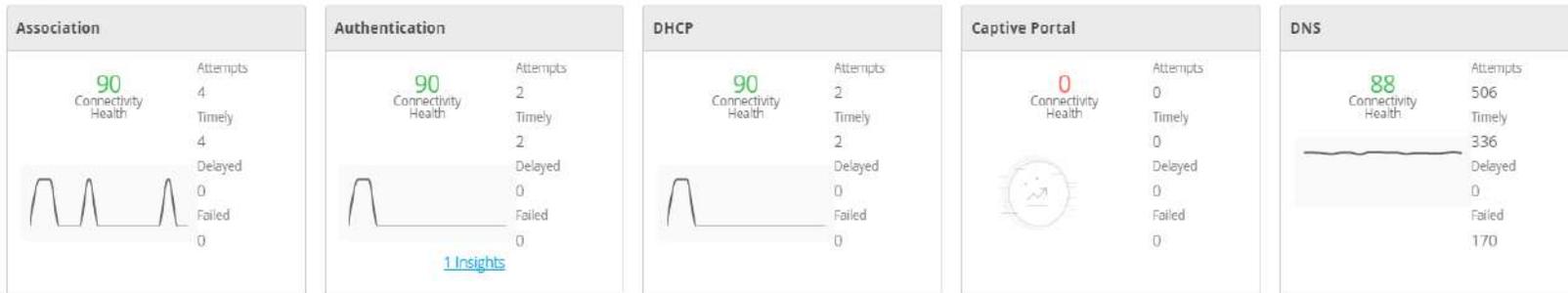
Failed

0

Connectivity Performance



Stage-wise Performance



Delay - Causes

Failure - Causes

1 General 2 VLANs 3 Security 4 Access

Access Rules:

Role Based Network Based Unrestricted

Roles

ROLE
Central-Employee-VC1
Central-Gym-VC1
default_wired_port_profile
wired-SetMeUp

Access Rules For Selected Roles

- Deny Adult and Pornography
- Deny Gambling
- Deny Peer to Peer Web
- Allow any to all destinations

NEW ROLE ASSIGNMENT RULE

Attribute: User-Name Operator: contains String: Employee Role: Central-Employee-VC1

Cancel Save

Define User-Role based Access Control Policies

Derive User Roles and VLAN Assignment Rules

Segment Traffic within the same SSID

USERS & ROLES

NEW ROLE

Role Name:

NOC_ANALYST

APPLICATION PERMISSIONS

Group Management

View, create, delete groups and assign devices to groups

View Only

Modify

Device Inventory

Provision devices and manage subscription keys

View Only

Modify

Block

Network Management

Configure, troubleshoot, and monitor networks

View Only

Modify

[Customize](#)

Guest Management

View Only

Modify

Block

Presence Analytics

View Only

Modify

Block

Cancel

Save



Custom captive portals:

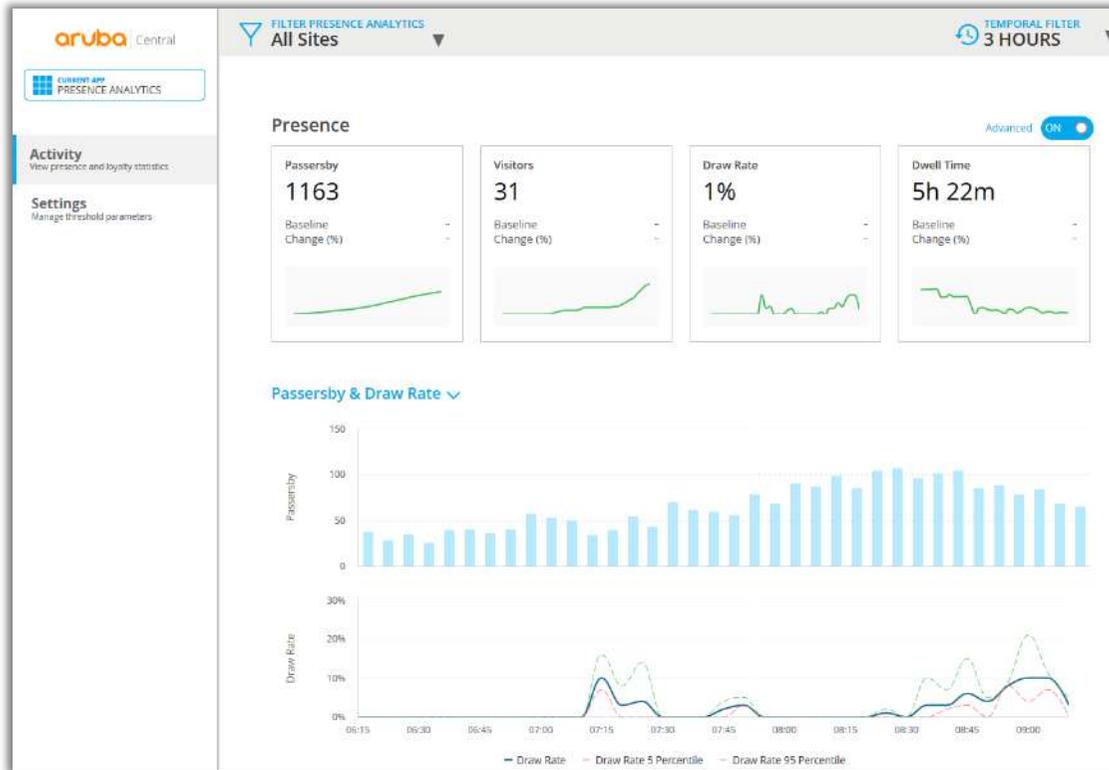
- Logo, background, colors, image, welcome message, terms & conditions, and optional in-page ads.

Registration choices:

- Anonymous login.
- Self-registration.
- Social login.

Control Options:

- Session duration.
- Usage limits.
- Landing page.
- Guest operator controlled logins.



Passersby

How many passed by the entrance



Visitors

How many entered



Engaged

How many stayed



Dwell Time

How long they stayed

