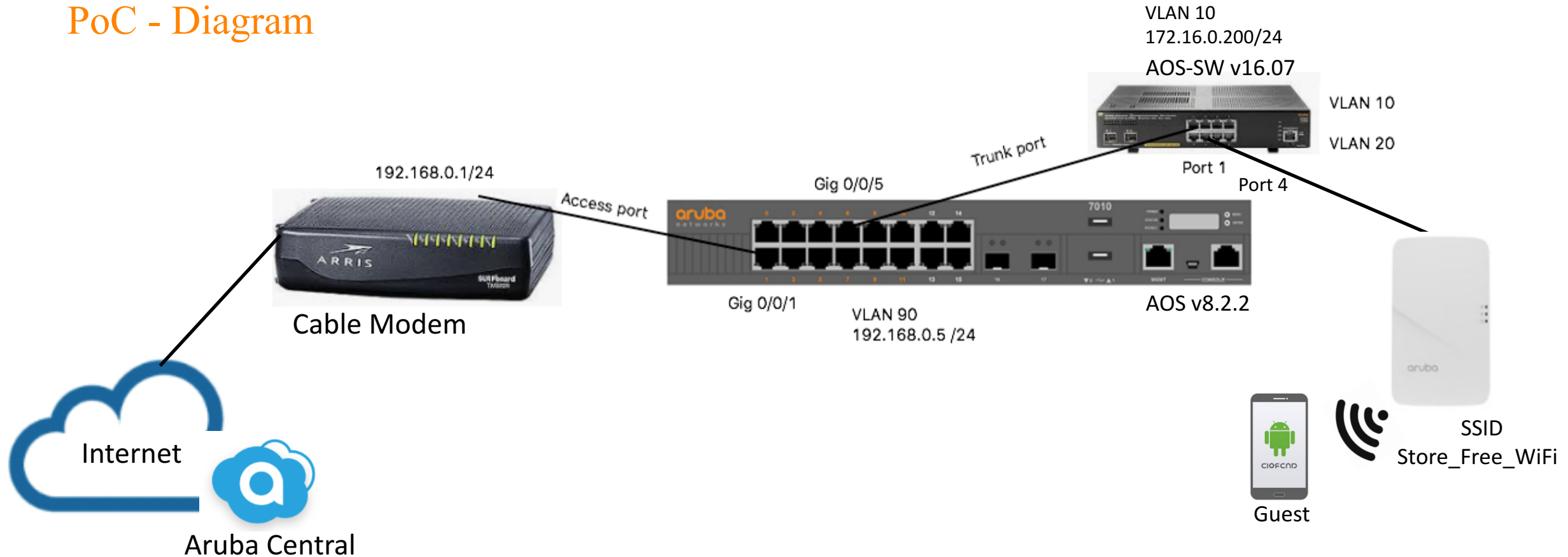




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WiFi Guest Service PoC - Aruba Central

PoC - Diagram



VLAN 10: 172.16.0.0/24 - Employee/Management VLAN
VLAN 20: 192.168.10.0/24 - Guest VLAN <--> SSID "Store_Free_WiFi"
VLAN 90: 192.168.0.0/24 - Cable Modem VLAN

Agenda

- Setup Mobility Controller as Branch Gateway
- Setup Aruba switch 2930F via CLI
- Register AP 303H @Aruba Central
- Setup Aruba Central
 - Setup Facebook Wi-Fi
 - Setup Social Login Facebook
 - Import existing switch configuration and manage the switch via Aruba Central



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Setup Branch Gateway

Factory reset to Branch Gateway

```
(Aruba7010) [mynode] #write erase all
Controller will be factory defaulted. All the configuration and databases will be deleted. Controller will be reloaded. Press 'y' to proceed : [y/n]: y
sh: /mswitch/bin64/mongo: not found
Write Erase successful

System will now restart!
```

Power on the 7010 Branch Gateway

```
Auto-provisioning is in progress. It requires DHCP and Activate servers
Choose one of the following options to override or debug auto-provisioning...
'enable-debug'      : Enable auto-provisioning debug logs
'disable-debug'     : Disable auto-provisioning debug logs
'mini-setup'        : Start mini setup dialog. Provides minimal customization and requires DHCP server
'full-setup'        : Start full setup dialog. Provides full customization
'static-activate'   : Provides customization for static or PPPoE ip assignment. Uses activate for master information
```

```
Enter Option (partial string is acceptable): full
```

```
Are you sure that you want to stop auto-provisioning and start full setup dialog? (yes/no): yes
```

```
***** Welcome to the Aruba7010 setup dialog *****
```

```
This dialog will help you to set the basic configuration for the switch.
These settings, except for the Country Code, can later be changed from the
Command Line Interface or Graphical User Interface.
```

```
Commands: <Enter> Submit input or use [default value], <ctrl-I> Help
<ctrl-B> Back, <ctrl-F> Forward, <ctrl-A> Line begin, <ctrl-E> Line end
<ctrl-D> Delete, <BackSpace> Delete back, <ctrl-K> Delete to end of line
<ctrl-P> Previous question <ctrl-X> Restart beginning <ctrl-R> Reload box
```

```
Enter System name [Aruba7010]:
```

Complete the setup wizard

```
Enter Switch Role (standalone|md) [md]: standalone
Enter Controller VLAN ID [1]: 90
Enter Controller VLAN port [GE 0/0/0]: GE 0/0/1
Enter Controller VLAN port mode (access|trunk) [access]: access
Enter VLAN interface IP address [172.16.0.254]: 192.168.0.5
Enter VLAN interface subnet mask [255.255.255.0]: 255.255.255.0
Enter IP Default gateway [none]: 192.168.0.1
Do you wish to configure IPV6 address on vlan (yes|no) [yes]: no
Enter Country code (ISO-3166), <ctrl-I> for supported list: BO
You have chosen Country code BO for Bolivia (yes|no)? : yes
Enter the controller's IANA Time zone [America/Los_Angeles]: America/LaPaz
Enter the controller's IANA Time zone [America/Los_Angeles]: America/Bogota
Enter Time in UTC [21:40:19]:
Enter Date (MM/DD/YYYY) [10/31/2018]:
Enter Password for admin login (up to 32 chars): *****
Re-type Password for admin login: *****

Current choices are:

System name: Aruba7010
Switch Role: standalone
Controller VLAN id: 90
Controller VLAN port: GE 0/0/1
Controller VLAN port mode: access
VLAN interface IP address: 192.168.0.5
VLAN interface subnet mask: 255.255.255.0
IP Default gateway: 192.168.0.1
Option to configure VLAN interface IPV6 address: no
Country code: BO
IANA Time Zone: America/Bogota

If you accept the changes the switch will restart!
Type <ctrl-P> to go back and change answer for any question
Do you wish to accept the changes (yes|no)yes
```

Check configuration made via wizard

```
User: admin
Password:
(Aruba7010) [mynode] #
(Aruba7010) [mynode] #show version

Aruba Operating System Software.
ArubaOS (MODEL: Aruba7010), Version 8.2.2.1
Website: http://www.arubanetworks.com
```

```
(Aruba7010) [mynode] #show vlan 90
```

VLAN CONFIGURATION

VLAN	Description	Ports	AAA Profile	Option-82
90	VLAN0090	GE0/0/1	N/A	Disabled

```
(Aruba7010) [mynode] #
```

```
(Aruba7010) [mynode] #show ip interface brief
```

Interface	IP Address / IP Netmask	Admin	Protocol	VRRP-IP
vlan 90	192.168.0.5 / 255.255.255.0	up	up	
vlan 1	unassigned / unassigned	up	down	
loopback	unassigned / unassigned	up	up	
mgmt	unassigned / unassigned	up	down	

```
(Aruba7010) [mynode] #
```




Not Secure | https://192.168.0.5:4343

Apps Aruba Networks Websense Web Fil... Directory HPE Atmosphere 2017 ... Aruba Central - A... https://community... Aruba SE Dashbo... SE Self-paced Tra...




Aruba7010

Log in

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- [Config – Interfaces](#) – Click on “+”

MOBILITY CONTROLLER
Aruba7010

ACCESS POINTS
0 0

CLIENTS
0

ALERTS
0

admin ▾

Mobility Controller > Aruba7010

Dashboard

Configuration

WLANs

Roles & Policies

Access Points

AP Groups

Authentication

Services

Interfaces

Ports

VLANs

IP Routes

IPv6 Neighbors

GRE Tunnels


Pool Management

OSPF

Multicast



VLANs	
NAME	ID(S)
--	1,90

- Vlans created




MOBILITY CONTROLLER
Aruba7010


ACCESS POINTS



 0  0

CLIENTS

 0

ALERTS

 0

 admin 

 Mobility Controller > Aruba7010

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IPv6 Neighbors

GRE Tunnels

Pool Management

OSPF

Multicast

VLANs

NAME	ID(S)
Employee	10
Guest	20
--	1,90



• Interfaces – VLANs – VLAN90 – NAT Outside

The screenshot displays the Aruba Mobility Controller web interface for Aruba7010. The top navigation bar includes the Aruba logo, the device name 'Aruba7010', and status indicators for Access Points (0), Clients (0), and Alerts (0). A user menu shows 'admin' with a dropdown arrow. Below the navigation bar, a breadcrumb trail reads 'Mobility Controller > Aruba7010'. On the left, a sidebar menu lists various configuration sections: Dashboard, Configuration (highlighted), VLANs, Roles & Policies, Access Points, AP Groups, Authentication, Services, Interfaces (highlighted), System, Tasks, Diagnostics, and Maintenance. The main content area is titled 'VLANs' and contains a table with columns: ID, IPv4 Address, IPv6 Address, Enable NAT, Port Members, Admin State, Operational State, PD Client, and DHCP Settings. Two VLANs are listed: ID 90 with IPv4 address 192.168.0.5/255.255.255.0 and ID 1 with no address. Below the table is a '+ ' button. Underneath, there are tabs for 'Port Members', 'IPv4', 'IPv6', and 'More'. The 'IPv4' tab is active, showing 'IP Address Assignment', 'IGMP', and an expanded 'Other Option' section. In this section, 'NAT outside:' is checked and highlighted with a red box, while 'NAT inside:', 'Local-proxy ARP:', 'Inter-VLAN routing:', and 'BCMC optimization:' are unchecked. 'Bandwidth contract:' is set to '-None-' and 'Enable ospf:' is disabled.

aruba MOBILITY CONTROLLER Aruba7010

ACCESS POINTS 0 CLIENTS 0 ALERTS 0

admin

Mobility Controller > Aruba7010 Pending Changes

Dashboard

Configuration

VLANs

Roles & Policies

Access Points

AP Groups

Authentication

Services

Interfaces

System

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Diagnostics

Maintenance

Ports **VLANs** IP Routes IPv6 Neighbors GRE Tunnels Pool Management OSPF Multicast

VLANs	VLAN IDs	Options						
ID	IPv4 ADDRESS	IPv6 ADDRESS	ENABLE NAT	PORT MEMBERS	ADMIN STATE	OPERATIONAL STATE	PD CLIENT	DHCP SETTINGS
90	192.168.0.5/255.255.2...	--	--	0/0/1	Enabled	N/A	Disabled	None
1	--	--	--	0/0/0,0/0/10,0/0/11,0/0...	--	--	Disabled	None

+

Port Members IPv4 IPv6 More

> IP Address Assignment

> IGMP

▼ Other Option

NAT inside: ☐

NAT outside: ☒

Local-proxy ARP: ☐

Inter-VLAN routing: ☒

BCMC optimization: ☐

Bandwidth contract: -None- ▼

Enable ospf: ☐

- Interfaces – VLANs – VLAN10 – NAT Inside

aruba

MOBILITY CONTROLLER
Aruba7010

ACCESS POINTS

0

CLIENTS

0

ALERTS

0

?

admin

Mobility Controller > Aruba7010

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Maintenance

Ports

VLANs

IP Routes

IPv6 Neighbors

GRE Tunnels

Pool Management

OSPF

Multicast

Employee

10

Guest

20

--

1,90

+

VLANs > Employee

VLAN IDs

Options

ID	IPv4 ADDRESS	IPv6 ADDRESS	ENABLE NAT	PORT MEMBERS	ADMIN STATE	OPERATIONAL STATE	PD CLIENT	DHCP SETTINGS
10	--	--	--	--	--	--	Disabled	None

+

Port Members

IPv4

IPv6

More

> IP Address Assignment

> IGMP

> Other Option

NAT inside:

NAT outside:

- Interfaces – VLANs – VLAN20 – NAT Inside

aruba

MOBILITY CONTROLLER
Aruba7010

ACCESS POINTS
0

CLIENTS
0

ALERTS
0

?

admin

Mobility Controller > Aruba7010

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IP Routes

IPv6 Neighbors

GRE Tunnels

Pool Management

OSPF

Multicast

Guest

20

--1,90

+

VLANs > Guest

VLAN IDs

Options

ID	IPv4 ADDRESS	IPv6 ADDRESS	ENABLE NAT	PORT MEMBERS	ADMIN STATE	OPERATIONAL STATE	PD CLIENT	DHCP SETTINGS
20	--	--	--	--	--	--	Disabled	None

+

Port Members

IPv4

IPv6

More

> IP Address Assignment

> IGMP

> Other Option

NAT inside:☒

NAT outside:☐

- Config – Interfaces - Ports – Click on GE 0/0/5 – Mode Trunk

aruba

MOBILITY CONTROLLER
Aruba7010

ACCESS POINTS

0

CLIENTS

0

ALERTS

0

admin

Mobility Controller > Aruba7010

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Ports	VLANs	IP Routes	IPv6 Neighbors	GRE Tunnels	Pool Management	OSPF	Multicast			
GE-0/0/5	Enabled	✓	Not-defined	access	1	1	1-4094	✓	--	--
GE-0/0/6	Enabled	✓	Not-defined	access	1	1	1-4094	✓	--	--
GE-0/0/7	Enabled	✓	Not-defined	access	1	1	1-4094	✓	--	--
GE-0/0/8	Enabled	✓	Not-defined	access	1	1	1-4094	✓	--	--
GE-0/0/9	Enabled	✓	Not-defined	access	1	1	1-4094	✓	--	--
GE-0/0/10	Enabled	✓	Not-defined	access	1	1	1-4094	✓	--	--
GE-0/0/11	Enabled	✓	Not-defined	access	1	1	1-4094	✓	--	--

GE-0/0/5

Admin state: ☒

Speed:

auto

 Mbps

Duplex:

auto

PoE: ☐

Trust: ☒

Policy:

Not-defined

Mode:

Trunk

Native VLAN:

1

Allowed VLANs:

Allow all

- System - General – Clock NTP

aruba

MOBILITY CONTROLLER
Aruba7010

ACCESS POINTS
0

CLIENTS
0

ALERTS
0

Mobility Controller > Aruba7010

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General

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AirWave

CPSec

Certificates

SNMP

Logging

Profiles

Whitelist

More

▼ Clock

Set clock: Using NTP

Date and time: 2018-10-31 18:03:09 (AST)

Time zone: Aruba: America/Aruba (UTC-04:00)

NTP Servers

IP ADDRESS	IBURST MODE	AUTHENTICATION KEY ID
------------	-------------	-----------------------

Add NTP Server

IP version: IPv4

IP address: 181.119.30.63

Iburst mode: ☐

Authentication key ID:

- Submit Changes

aruba

MOBILITY CONTROLLER
Aruba7010

ACCESS POINTS
0

CLIENTS
0

ALERTS
0

?

admin

Mobility Controller > Aruba7010

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Ports

VLANs

IP Routes

VLANs

NAME
Employee
Guest
--

+

VLANs > Guest

VLAN IDs

ID	IPv4 ADD
20	192.168.1

Pending Changes

☒ Pending Changes for 1 Group

☒ Mobility Controller > Aruba7010

Interfaces > Options:
VLAN name = Employee
Assignment type = hash
VLAN name = Guest
Assignment type = hash

Interfaces > VLANs:
VLAN ID = 10
VLAN ID = 20
VLAN name = Employee
VLAN ID/Range = 10
VLAN name = Guest
VLAN ID/Range = 20

Interfaces > Ports:

Close

Discard changes

Deploy changes

Pending Changes

PD CLIENT	DHCP SETTINGS
Disabled	Act as server

- Disable ADP via CLI

```
(Aruba7010) [mynode] (config) #no adp discovery
(Aruba7010) ^[mynode] (config) #write mem

Saving Configuration...

Partial configuration for /mm/mynode
-----
Contents of : /flash/ccm/partial/0/p=sc=mynode.cfg
no adp discovery
Configuration Saved.
(Aruba7010) [mynode] (config) #end
```

```
(Aruba7010) [mynode] #show adp config

ADP Configuration
-----
key           value
---          -
discovery     disable
igmp-join     enable
igmp-vlan-id  0
(Aruba7010) [mynode] #
```

- Show running-config Branch Gateway

```
version 8.2
hostname "Aruba7010"
clock timezone America/Aruba -4
!
```

```
vlan 10
vlan 20
vlan 90

vlan-name Employee
vlan Employee 10
vlan-name Guest
vlan Guest 20
```

```
interface gigabitethernet 0/0/1
description "GE0/0/1"
trusted
trusted vlan 1-4094
switchport access vlan 90
!
```

```
interface gigabitethernet 0/0/5
description "GE0/0/5"
trusted
trusted vlan 1-4094
no poe
switchport mode trunk
!
```

```
interface vlan 90
ip address 192.168.0.5 255.255.255.0
ip nat outside
!

interface vlan 1
!

interface vlan 10
ip address 172.16.0.1 255.255.255.0
ip nat inside
!

interface vlan 20
ip address 192.168.10.1 255.255.255.0
ip nat inside
```

```
ip default-gateway 192.168.0.1
```

```
ntp server 181.119.30.63
```

```
country B0
```

```
adp discovery disable
```



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Setup switch via CLI

- Show running-config. 2930F switch

```
hostname "Aruba2930F_8G"  
module 1 type jl258a  
timesync ntp  
ntp unicast  
ntp server 129.6.15.28  
ntp server 132.163.96.5  
ntp server 186.118.171.89  
ntp enable  
time timezone -300  
web-management ssl  
ip route 0.0.0.0 0.0.0.0 172.16.0.1  
interface 4  
    name "Access Point"  
    poe-lldp-detect enabled  
    exit  
interface 6  
    name "Access Point2"  
    poe-lldp-detect enabled  
    exit  
snmp-server community "public" unrestricted
```

```
vlan 1  
    name "DEFAULT_VLAN"  
    no untagged 4-5  
    untagged 1-3,6-10  
    ip address dhcp-bootp  
    ipv6 enable  
    ipv6 address dhcp full  
    exit  
vlan 10  
    name "Employee"  
    untagged 4-5  
    tagged 1  
    ip address 172.16.0.200 255.255.255.0  
    dhcp-server  
    exit  
vlan 20  
    name "Guest"  
    tagged 1,4  
    no ip address  
    exit
```

```
dhcp-server pool "Employee"  
    default-router "172.16.0.1"  
    dns-server "8.8.8.8,8.8.8.9"  
    domain-name "Customer"  
    network 172.16.0.0 255.255.255.0  
    range 172.16.0.2 172.16.0.199  
    exit  
dhcp-server enable  
password manager  
  
Aruba2930F_8G#
```



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Register AP 303H Aruba Central

- Add AP and Assign subscriptions in Aruba Central

CURRENT APP

GLOBAL SETTINGS

YES

YES

CND

CND

24

20:4

IAP-305-RW

AP-303H-RW

CURRENT APP

GLOBAL SETTINGS

Manage Groups

View, edit and add configuration groups

Device Inventory

View an inventory of all your devices

Key Management

Track all your subscription keys

Subscription Assignment

Assign and modify device and service subscriptions

Labels and Sites

Create and manage labels and sites for monitoring

Users & Roles

Manage user access control to Aruba Central

SUBSCRIPTIONS

DEVICES

ALL DEVICES	5
NO SUBSCRIPTIONS	1
Clarity	4
Cloud Guest	4
Presence Analytics	3
UCC	0

DRAG

←

DROP

▽ SERIAL NUMBER	NAME	▽ TYPE	LOCATION	SERVICES
	AP345 - Medellin	iap	Bogota, Colombia	2 (Clarity,Guest)
	Parents Room	iap	Bogotá, Colombia	3 (Clarity,Guest,PA)
	Tenerife AP305	iap	Bogotá, Colombia	3 (Clarity,Guest,PA)
CND	20:4	iap	Bogota, Colombia	3 (Clarity,Guest,PA)

BATCH REMOVE SUBSCRIPTIONS

4 Device(s)

20 TOTAL SUBSCRIPTIONS

9 AVAILABLE

- PC connected to interface 4 -- Check access to Internet

```
en4: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=4<VLAN_MTU>
    ether 3c:1[REDACTED]
    inet6 fe80::18[REDACTED]%en4 prefixlen 64 secured scopeid 0xe
    inet 172.16.0.3 netmask 0xffffffff broadcast 172.16.0.255
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect (1000baseT <full-duplex>)
    status: active
[Adolfos-MacBook-Pro:~ [REDACTED]]$
[Adolfos-MacBook-Pro:~ [REDACTED]]$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: icmp_seq=0 ttl=120 time=20.103 ms
64 bytes from 8.8.8.8: icmp_seq=1 ttl=120 time=14.751 ms
```


- Factory reset to AP via console port

```
apboot> factory_reset
Clearing state...
Checking OS image and flags

Image is signed; verifying checksum... passed
Clearing image partition 0
512 bytes written to volume aos0
Erasing flash sector @ 0x3a0000... OK
Erasing UBIFS ...OK
done

Purging environment...
preserving os_partition (0)
Erasing SPI flash...Writing to SPI flash...done
Erasing SPI flash...Writing to SPI flash...done
apboot> boot
Booting OS partition 0
```

- Check DHCP -- 172.16.0.2 IP address assigned to AP

```
Starting DHCP
Getting an IP address...
Jan  1 00:00:37 udhcpc[2118]: udhcpc (v0.9.9-pre) started
Jan  1 00:00:37 udhcpc[2118]: send_discover: pkt num 0, secs 0
Jan  1 00:00:37 udhcpc[2118]: Sending discover...
Jan  1 00:00:39 udhcpc[2118]: send_selecting: pkt num 0, secs 512
Jan  1 00:00:39 udhcpc[2118]: Sending select for 172.16.0.2...
Jan  1 00:00:39 udhcpc[2118]: Lease of 172.16.0.2 obtained, lease time 86400
[  61.218530] ip_time_handler: Got ip and packets on bond0 Started master election 5-0, rand 24
172.16.0.2 255.255.255.0
Running ADP...
cat: /tmp/master_ip: No such file or directory
Done. none controller was found.
Done. Master is
```

-
- AP 303 set as Master (IAP)

```
[ 166.380527] (08:02:27) !!! Init --> Master
```

```
User:
```

- After 5min → Firmware Upgrade from Aruba Central

```
20: [REDACTED]#  
The system is going down NOW !!  
Sending SIGKILL to all processes.  
Unmounting UBIFS completed.  
Please stand by while rebooting the system.
```

```
AP rebooted Thu Nov 1 06:54:59 UTC 2018; System cmd at uptime 0D 0H 8M 10S: Image Upgrade Successful  
shutting down watchdog process (nanny will restart it)...  
  
<<<<<      Welcome to the Access Point      >>>>>
```

- AP managed from Aruba Central (athena-mgmt)

```
20: [REDACTED] # show ap debug cloud-server
```

```
IAP mgmt mode           :athena-mgmt
cloud config recved      :TRUE
autojoin mode           :disable
state diff              :disable
Device Cert status      :SUCCESS
Aruba Central server     :54.69.206.204
Aruba Central proxy server :None
Aruba Central redirect from :internal.central.arubanetworks.com
Aruba Central Protocol   :WSS
Aruba Central uptimes    :3m:31s
Aruba Central status     :Login_done
```

Cloud Debug Statistics

Key	Value
Connect establish success	1(1)
Login done times	1(1)
Connect retry times	1(1)
clarity send	2(2)

- AP is ready to be configured via Aruba Central

aruba Central

CURRENT APP

WIRELESS MANAGEMENT

Search Current App

Find devices, clients and networks

Wireless SSIDs

Add and edit wireless networks

FILTER WIRELESS MANAGEMENT

Home CI 159 (4 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

Access Points

4 Access Points

Access Points

NAME	VC NAME	STATUS	IP ADDRESS	IP ASSIGNMENT	MODE	TYPE	2.4GHZ (CHAN...	5GHZ (CHANN...	
21	IAP303	Online	172.16.0.2	DHCP	access	AP-303H	Auto	Auto	



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Setup Aruba Central

- Site Label created and assigned to AP

arubaCentral

CURRENT APP

GLOBAL SETTINGS

Manage Groups

View, edit and add configuration groups

Device Inventory

View an inventory of all your devices

Key Management

Track all your subscription keys

Subscription Assignment

Assign and modify device and service subscriptions

Labels and Sites

Create and manage labels and sites for monitoring

Users & Roles

Manage user access control to Aruba Central

Certificates

View, edit and add certificates

LABELS AND SITES

Labels are logical sets of devices which can be used for a variety of monitoring and reporting purposes. Each device can be associated with up to five labels, and a label can apply to as many devices as you want.

Sites allow you to group devices based on the location context

MANAGE SITES

DRAG AND DROP DEVICES TO ADD TO A SITE

TO SELECT MULTIPLE DEVICES SHIFT+CLICK ON DEVICES

CONVERT LABELS TO SITES

SITE NAME	ADDRESS	
ALL DEVICES		
UNASSIGNED		
Bogota		2
Medellin		1
PoC - Site	Test	0

New Site

Bulk upload

3 Sites

Labels

Sites

NAME	GROUP	TYPE
20:4c:03:20:22:90	Home CI 159	IAP
Tenerife AP305	Home CI 159	IAP
Parents Room	Home CI 159	IAP
AP345 - Medellin	Home CI 159	IAP

DRAG

←

DROP

4 Device(s)

CONFIRM ACTION

Do you want to move selected devices to the Site – PoC - Site

Yes

No

- Assign Label to AP

aruba Central

CURRENT APP

GLOBAL SETTINGS

Manage Groups

View, edit and add configuration groups

Device Inventory

View an inventory of all your devices

Key Management

Track all your subscription keys

Subscription Assignment

Assign and modify device and service subscriptions

Labels and Sites

Create and manage labels and sites for monitoring

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Manage user access control to Aruba Central

Certificates

View, edit and add certificates

LABELS AND SITES

Labels are logical sets of devices which can be used for a variety of monitoring and reporting purposes. Each device can be associated with up to five labels, and a label can apply to as many devices as you want.

Sites allow you to group devices based on the location context

MANAGE LABELS

DRAG AND DROP DEVICE(S) ONTO A LABEL TO ASSIGN IT TO THAT LABEL. TO SELECT MULTIPLE DEVICES SHIFT+CLICK ON THE DEVICES. TO REMOVE MULTIPLE DEVICES FROM A LABEL DRAG THEM TO THE UNASSIGNED LABEL.

Labels

Sites

▼ LABEL NAME	DEVICE COUNT	GROUP	▼ TYPE	LABELS
ALL DEVICES	4	Home CI 159	IAP	0
UNASSIGNED	2	Home CI 159	IAP	1
Demo AP345	0	Home CI 159	IAP	1
Home	2	Home CI 159	IAP	0
Insight	0			
PoC - Central Store	0			

+

 Add Label

4 Labels

DRAG
←
DROP

4 Device(s)

CONFIRM ACTION

⚠

 Label PoC - Central Store will be applied to selected devices?

Yes

No

- Create a new group

aruba Central

CURRENT APP
GLOBAL SETTINGS

Manage Groups
View, edit and add configuration groups

Device Inventory
View an inventory of all your devices

Key Management
Track all your subscription keys

Subscription Assignment
Assign and modify device and service subscriptions

Labels and Sites
Create and manage labels and sites for monitoring

Users & Roles
Manage user access control to Aruba Central

Certificates
View, edit and add certificates

GROUPS

A group is a collection of devices with common configuration requirements into a single group and apply the same configuration to all devices in the group.

MANAGE GROUPS
DRAG AND DROP TO SELECT

GROUP NAME
PoC - Stores

☐ **USE AS A TEMPLATE GROUP (optional)**
This allows configuration template to be applied for all the devices in the device group. Once designated as a Template Group, UI based configuration wizards cannot be used for this device group

PASSWORD
CONFIRM PASSWORD

Cancel Add Group

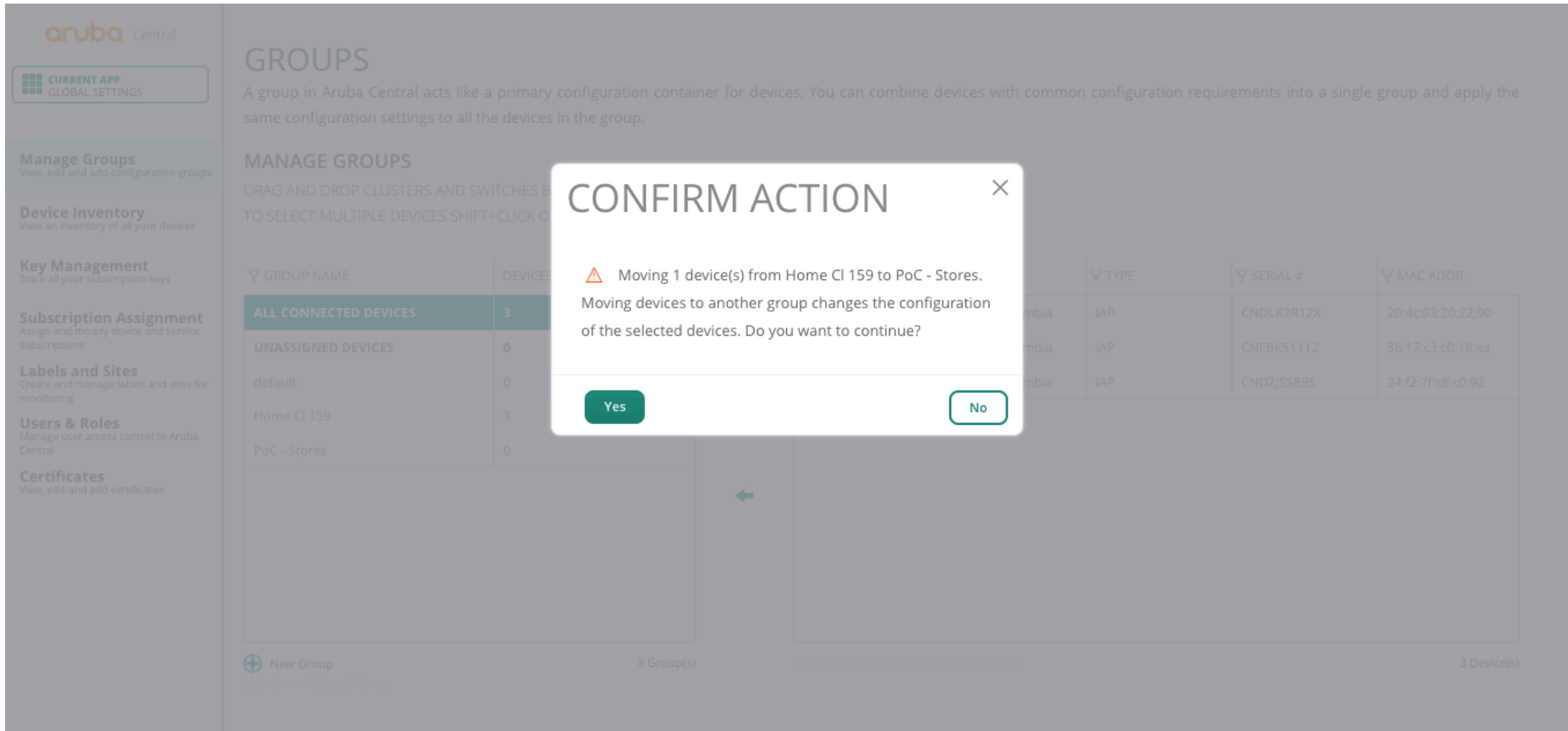
LOCATION	TYPE	SERIAL #	MAC ADDR.
Bogota,Colombia	IAP	CNDLK2R12X	20:4c:03:20:22:90
Bogota,Colombia	IAP	CNFBK51112	38:17:c3:c0:18:ea
Bogotá,Colombia	IAP	CNDZJS89S	24:f2:7f:c8:c0:92

New Group 2 Group(s) Import Configuration to New Group 3 Device(s)

Clone Selected Group

Need Help? ^

- Move the AP to the new Group



The image shows the Aruba Central web interface for managing device groups. A modal dialog titled "CONFIRM ACTION" is displayed in the center, asking for confirmation to move a device from one group to another. The background interface includes a sidebar with navigation options and a main content area with a table of groups and a list of devices.

Aruba Central

CURRENT APP
GLOBAL SETTINGS

Manage Groups
View, edit and add configuration groups

Device Inventory
View an inventory of all your devices

Key Management
Track all your subscription keys

Subscription Assignment
Assign and modify device and service subscriptions

Labels and Sites
Create and manage labels and sites for monitoring

Users & Roles
Manage user access control to Aruba Central

Certificates
View, edit and add certificates

GROUPS

A group in Aruba Central acts like a primary configuration container for devices. You can combine devices with common configuration requirements into a single group and apply the same configuration settings to all the devices in the group.

MANAGE GROUPS

DRAG AND DROP CLUSTERS AND SWITCHES BETWEEN GROUPS TO SELECT MULTIPLE DEVICES SHIFT+CLICK TO SELECT MULTIPLE DEVICES

GROUP NAME	DEVICES
ALL CONNECTED DEVICES	3
UNASSIGNED DEVICES	0
default	0
Home CI 159	3
PoC - Stores	0

CONFIRM ACTION

⚠ Moving 1 device(s) from Home CI 159 to PoC - Stores.
Moving devices to another group changes the configuration of the selected devices. Do you want to continue?

Yes **No**

TYPE	SERIAL #	MAC ADDR.
IAP	CNDLK2R12X	20:4c:03:20:22:90
IAP	CNFBK51112	38:17:c3:c0:18:ea
IAP	CNDZJ5S895	24:f2:7f:c8:c0:92

New Group 3 Group(s) 3 Device(s)

- Change the name to AP

arubaCentral

CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Wireless SSIDs
Add and edit wireless networks

Access Points
View APs and set device parameters

RF
Set Aruba Adaptive Radio Management


FILTER WIRELESS MANAGEMENT

PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Access Points

1 Access Points

Access Points

NAME	VC NAME	STATUS	IP ADDRESS	IP ASSIGNMENT	MODE	TYPE	2.4GHZ (CHANN...	5GHZ (CHANNE...	
2	PoC - Central Store	Offline	172.16.0.2	DHCP	access	AP-303H	Auto	Auto	

5102550

Per Page

<<>>

Page: 1/1

- Change the name to AP

The screenshot shows the Aruba Central interface for configuring a PoC - Store. The left sidebar contains navigation links: **CURRENT APP WIRELESS MANAGEMENT**, **Search Current App** (Find devices, clients and networks), **Wireless SSIDs** (Add and edit wireless networks), **Access Points** (View APs and set device parameters), **RF** (Set Aruba Adaptive Radio Management), **Wireless IDS/IPS** (Manage intrusion detection and prevention), **Security** (Set advanced security parameters), **VPN** (Manage controller VPN connections), and **DHCP** (Manage DHCP scopes). The main content area is titled **PoC - Stores** (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) and shows the configuration for **Access Points / 20:4c:03:20:22:90**. Under the **Basic Info** section, the **Name** field is highlighted with a red box and contains the text **Floor1**. Other fields include **AP Zone**, **RF Zone**, **Swarm Mode** (set to **Cluster**), **Preferred Master** (toggle off), and **IP Address For Access Point** (set to **Get IP Address from DHCP server**). The **Radio** section is partially visible at the bottom.

- Firmware upgrade to recommended version

aruba Central

CURRENT APP MAINTENANCE

Search Current App
Find devices, clients and networks

Firmware

Troubleshooting

Audit Trail

API Gateway

FILTER MAINTENANCE

PoC - Stores (1 Total Devices | 0 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

FIRMWARE

Virtual ControllersSwitches - MASSwitches - ArubaGateways

Filter by upgrade status: Show All

Manage firmware compliance

Virtual Controllers

	NAME	APs	FIRMWARE VERSION	RECOMMENDED VER...	UPGRADE STATUS	COMPLIANCE STATUS
<input type="checkbox"/>	<div><div></div></div>	1	8.3.0.0_64659	8.3.0.3_66538	Upgrading firmware...	Set

5102550100

Per Page

Page: 1/1

- Check firmware version running

aruba Central

CURRENT APP MAINTENANCE

Search Current App
Find devices, clients and networks

Firmware

Troubleshooting

Audit Trail

API Gateway

FILTER MAINTENANCE

PoC - Stores (1 Total Devices | 0 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

TROUBLESHOOTING

Access PointsSwitches - MASSwitches - ArubaGateways

AP Name:

X Floor1

Troubleshooting

ToolsCommands

Commands:

All Category

X show version

RunAuto Run

FILTER :

Clear AllExport AllEmail

Access Points

Floor1

=== Troubleshooting session started. ===
=====

Output Time: 2018-11-02 14:08:52 UTC

COMMAND=show version
Aruba Operating System Software.
ArubaOS (MODEL: 303H) Version 8.3.0.3
Website: http://www.arubanetworks.com
(c) Copyright 2018 Hewlett Packard Enterprise Development LP.
Compiled on 2018-08-31 at 23:45:20 UTC (build 66538) by p4build
FIPS Mode :disabled

AP uptime is 24 minutes 12 seconds
Reboot Time and Cause: AP rebooted Fri Nov 2 13:41:10 UTC 2018; System cmd at uptime 0D 0H 11M 9S: Image Upgrade Successful

- Set installation type

The screenshot displays the Aruba Central management interface. On the left sidebar, the 'Access Points' section is active, showing options for 'CURRENT APP WIRELESS MANAGEMENT', 'Search Current App', 'Wireless SSIDs', 'Access Points', and 'RF'. The main content area shows the configuration for a specific Access Point, identified by its MAC address 20:4c:03:20:22:90. The 'Installation Type' dropdown menu is highlighted with a red box, indicating the selection of 'Indoor'.

aruba Central

CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Wireless SSIDs
Add and edit wireless networks

Access Points
View APs and set device parameters

RF
Set Aruba Adaptive Radio Management

FILTER WIRELESS MANAGEMENT
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

Access Points / 20:4c:03:20:22:90

- > Basic Info
- > Radio
- ✓ **Installation Type**
- > Uplink

Installation Type: **Indoor** ▼

- Enable DPI

aruba

Central

CURRENT APP

WIRELESS MANAGEMENT

Q Search Current App

Find devices, clients and networks

Wireless SSIDs

Add and edit wireless networks

Access Points

View APs and set device parameters

RF

Set Aruba Adaptive Radio Management

Wireless IDS/IPS

Manage intrusion detection and prevention

Security

Set advanced security parameters

VPN

Manage controller VPN connections

DHCP

Manage DHCP scopes

Services

Enable additional Central services

System

Manage advanced system settings

Configuration Audit

Review configuration status

FILTER WIRELESS MANAGEMENT

PoC - Stores (1 Total Devices | 0 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Services

> AirGroup

> Real Time Locating System

> OpenDNS

> CALEA

> Network Integration

< AppRF™

Deep Packet Inspection:

All


• Configure DHCP for Guest SSID


The screenshot displays the Aruba Central management interface. On the left sidebar, the 'DHCP' section is highlighted under 'Services', with the description 'Manage DHCP scopes'. The main panel shows the 'DHCP Server' configuration for 'PoC - Stores' (1 Total Devices | 0 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS). A modal window titled 'EDIT DHCP SCOPES' is open, showing the configuration for a 'Local DHCP' scope named 'DHCP-Guest'. The configuration includes:


- Name:** DHCP-Guest
- Type:** Local (dropdown menu)
- VLAN:** 20
- Network:** 192.168.10.0
- Netmask:** 255.255.255.0
- Excluded Address:** Two ranges are listed: 192.168.10.0 to 192.168.10.5 and 192.168.10.200 to 192.168.10.255.
- Default Router:** 192.168.10.1

The modal window has 'Cancel' and 'OK' buttons at the bottom.

• Create splash page




**CURRENT APP**
GUEST ACCESS


 **Search Current App**
Find devices, clients and networks


Overview
Guest network overview

Splash Page
Create customized splash pages


Visitors
Monitor guest sessions

 **FILTER GUEST ACCESS**

PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) 





Guest Access > Splash Pages 

Splash Pages

NAME	TYPE	STATE	
default	Username/Password, Self-Registration	Shared	

5102550

 Per Page



 Page: 1/1

• Configure Redirect URL

aruba Central

CURRENT APP
GUEST ACCESS

Search Current App
Find devices, clients and networks

Overview
Guest network overview

Splash Page
Create customized splash pages

Visitors
Monitor guest sessions

FILTER GUEST ACCESS
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

New Splash Page

1 Configuration

2 Customization

3 Localization

Name:

Captive Portal

Type:

Anonymous

Authenticated

Facebook Wi-Fi

Allow Internet In Failure

Override Common Name

Guest Key

Authentication Success Behavior:

Return to Original URL

Redirect URL

https://www.arubanetw

Session Timeout:

0

 day(s)

8

 hour(s)

0

 minute(s)

☐ Enable MAC Caching

Share This Profile:

Whitelist URL:

+ Add more URLs

Cancel

Next

• Configure Logos, Background and Terms&Conditions

arubaCentral

CURRENT APP
GUEST ACCESS

Search Current App
Find devices, clients and networks

Overview
Guest network overview

Splash Page
Create customized splash pages

Visitors
Monitor guest sessions

FILTER GUEST ACCESS

PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

New Splash Page

1 Configuration

2 Customization

3 Localization

Background color:

#000000

Button color:

#ff9900

Header fill color:

Page font color:

#bbbbbb

Logo:

Browse... logo.png X

Background Image:

Browse... background.png X

Terms and Conditions Settings

Terms & Conditions:

El CLIENTE acepta acceder y utilizar Internet WiFi en las tiendas únicamente para fines legales.

Display 'I Accept' Checkbox:

Yes, display checkbox

Display Option For Terms & Conditions:

Overlay


Ad Settings


Cancel


Back

Next

• Localization

Central


CURRENT APP
GUEST ACCESS

 Search Current App
Find devices, clients and networks

Overview
Guest network overview

Splash Page
Create customized splash pages

Visitors
Monitor guest sessions

 FILTER GUEST ACCESS
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

1 Configuration

2 Customization

3 Localization

Optional fields to localize (translate) guest portal's labels and text


Login Section


Login button title:	<input type="text" value="Acceder"/>
Network login title:	<input type="text"/>
Login page title:	<input type="text" value="PoC Stores"/>
Access denied page title:	<input type="text"/>
Logged in title:	<input type="text"/>
Username label:	<input type="text"/>
Username placeholder:	<input type="text"/>
Password placeholder:	<input type="text"/>
Email address placeholder:	<input type="text"/>
Register button title:	<input type="text"/>
Network login button title:	<input type="text"/>
Terms and Conditions title:	<input type="text" value="Terminos y condiciones"/>
'I accept the Terms and Conditions' text:	<input type="text" value="Yo acepto los Terminos y Condiciones"/>
Welcome Text:	<input type="text" value="Bienvenido al servicio gratuito de Wifi en PoC Stores"/>


- Test Captive Portal



• Create Guest SSID



 CURRENT APP
WIRELESS MANAGEMENT

 Search Current App
Find devices, clients and networks

Wireless SSIDs

Add and edit wireless networks

Access Points

View APs and set device parameters

RF

Set Aruba Adaptive Radio Management

Wireless IDS/IPS


Manage intrusion detection and prevention

Security

Set advanced security parameters

VPN


Manage controller VPN connections

 FILTER WIRELESS MANAGEMENT

PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

Networks

Networks			
NAME	TYPE	SECURITY	ACCESS TYPE
wired-SetMeUp	guest		network-based
default_wired_port_profile	employee		unrestricted



• Guest SSID – Limit Bandwidth

aruba Central

CURRENT APP
WIRELESS MANAGEMENT

Q Search Current App
Find devices, clients and networks

Wireless SSIDs
Add and edit wireless networks

Access Points
View APs and set device parameters

RF
Set Aruba Adaptive Radio Management

Wireless IDS/IPS
Manage intrusion detection and prevention

Security
Set advanced security parameters

VPN
Manage controller VPN connections

DHCP
Manage DHCP scopes

Services
Enable additional Central services

System
Manage advanced system settings

Configuration Audit
Review configuration status

FILTER WIRELESS MANAGEMENT
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Name (SSID):
Store_Free_WiFi

ESSID:
Store_Free_WiFi

Type:
☒ Wireless ☐ Wired

Primary Usage:
☐ Employee ☒ Guest ☐ Voice

⊖ Broadcast/Multicast

Broadcast Filtering:
ARP

DTIM Interval:
1 beacon

Multicast Transmission Optimization:
☐

Dynamic Multicast Optimization:
☐

Dynamic Multicast Optimization Channel Utilization
90 %

Threshold:

+ Transmit Rates (Legacy Only)

+ Zone

⊖ Bandwidth Limits


Airtime
☐

Each Radio
☐

Downstream:
1000 kbps ☒ Per User

Upstream:
500 kbps ☒ Per User

- Guest SSID – Set VLAN and DHCP Server

 **Search Current App**
Find devices, clients and networks

Wireless SSIDs
Add and edit wireless networks

Access Points
View APs and set device parameters

RF
Set Aruba Adaptive Radio Management

General

VLANs

Security

Access

Client IP Assignment

☒ Virtual Controller Assigned☐ Network Assigned


Client VLAN Assignment

☐ Default☒ Custom

VLAN ID

DHCP-Guest (vlan:20) ▼

• Guest SSID – Set Captive Portal



CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Wireless SSIDs
Add and edit wireless networks

Access Points
View APs and set device parameters

RF
Set Aruba Adaptive Radio Management

Wireless IDS/IPS
Manage intrusion detection and prevention

Security
Set advanced security parameters

VPN
Manage controller VPN connections

FILTER WIRELESS MANAGEMENT
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

Create a New Network

1 General 2 VLANs 3 Security 4 Access

Splash Page

Splash Page Type: Cloud Guest ▼

Guest Captive Portal Profile: Captive Portal ▼

Encryption: ☐

+ Disable if uplink type is

Cancel Back Next

• Guest SSID – Deny access to Employee Network

aruba Central

CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Wireless SSIDs
Add and edit wireless networks

Access Points
View APs and set device parameters

RF
Set Aruba Adaptive Radio Management

Wireless IDS/IPS
Manage intrusion detection and prevention

Security
Set advanced security parameters

VPN
Manage controller VPN connections

FILTER WIRELESS MANAGEMENT
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

Create a New Network

1 General 2 VLANs 3 Security 4 Access

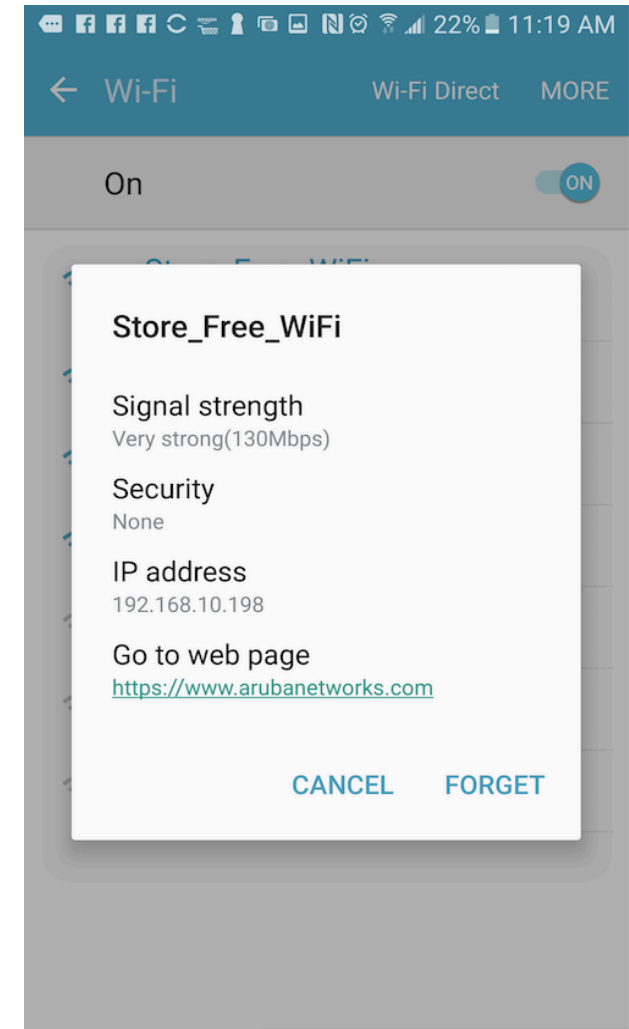
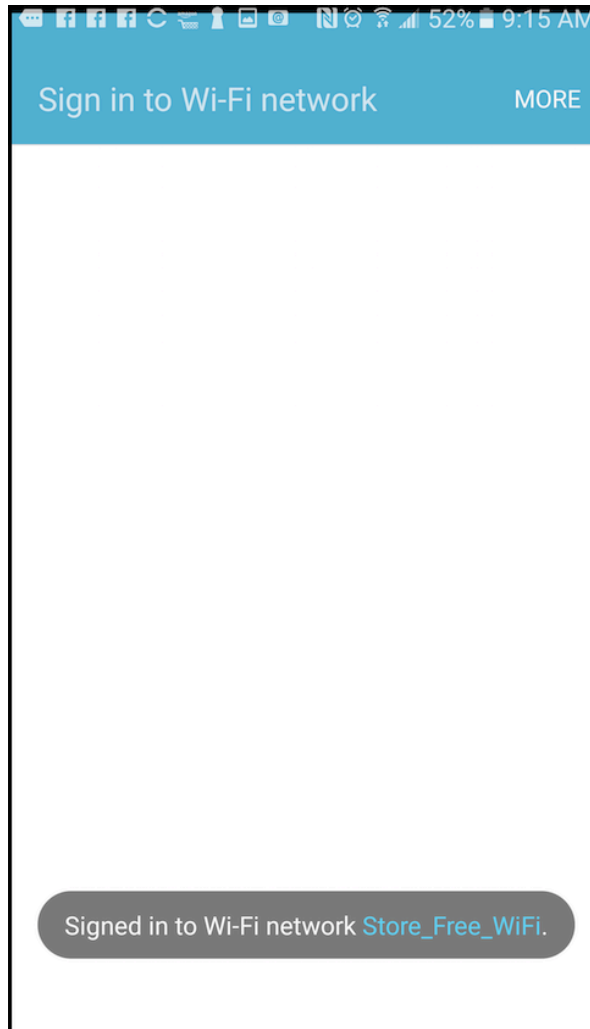
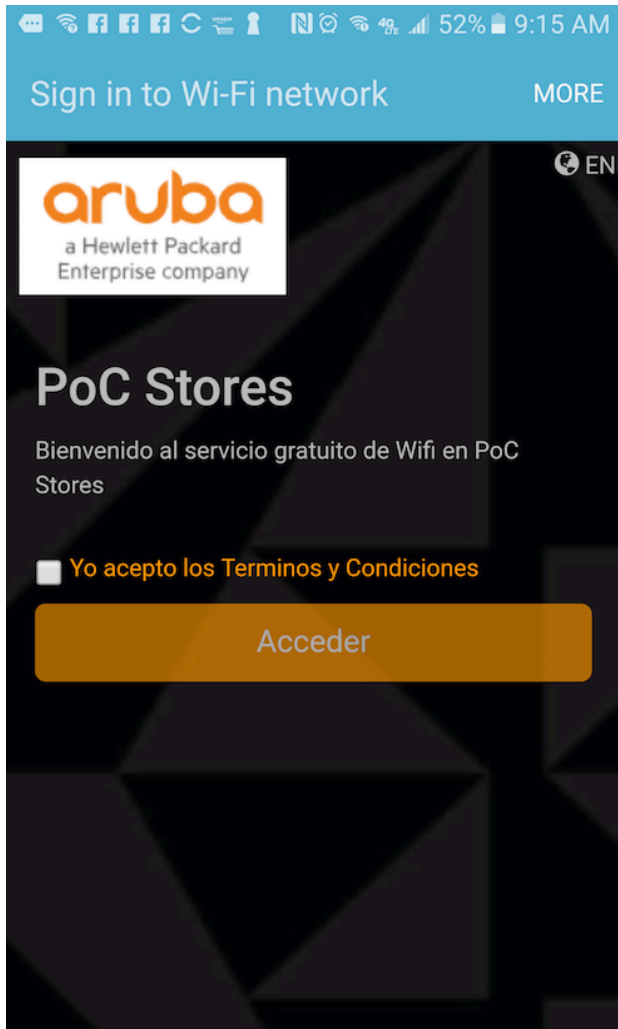
Access Rules:

Role Based Network Based Unrestricted


- Bandwidth Contract: upstream 500 kbps (peruser) downstream 1000 kbps (peruser)
- Deny any to network 172.16.0.0/255.255.255.0
- Deny any on server 192.168.10.1/255.255.255.255
- Allow any to all destinations


Cancel Back Finish


- Testing service using Android - smartphone



• Guest SSID – Device connected




 CURRENT APP
GUEST ACCESS

 Search Current App
Find devices, clients and networks

Overview
Guest network overview

Splash Page
Create customized splash pages

Visitors
Monitor guest sessions

 FILTER GUEST ACCESS
PoC - Stores (1 Total Devices | 0 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼



Guest Access > Visitors

Show visitors for network:

Store_Free_WiFi ▼

Session

Session List

 VISITORS	LOGIN TYPE	BROWSER	 MACADDRESS	DEVICE TYPE	OS NAME	LOGIN TIME	SESSION TIME (SECS)
2C- <div></div>	anonymous	Chrome	2C-0 <div></div>	Android	Linux	11/02/18 09:11	421


5


10


25


50

 Per Page










 Page: 1/1










a Hewlett Packard
Enterprise company

Setup Facebook Wi-Fi

- Create Facebook Page



  Adolfo [Inicio](#) [Crear](#)  1   2  

Crear una página


Conéctate con la comunidad de personas de Facebook en todo el mundo y haz conocer tu negocio o causa. Para empezar, elige una categoría para la página.

Negocio o marca

Conéctate con tus clientes, incrementa tu público y muestra tus productos con una página del negocio gratuita.


Nombre de la página

Categoría



Al crear una página en Facebook, se aplican las [Pages, Groups and Events Policies](#).

[Continuar](#)

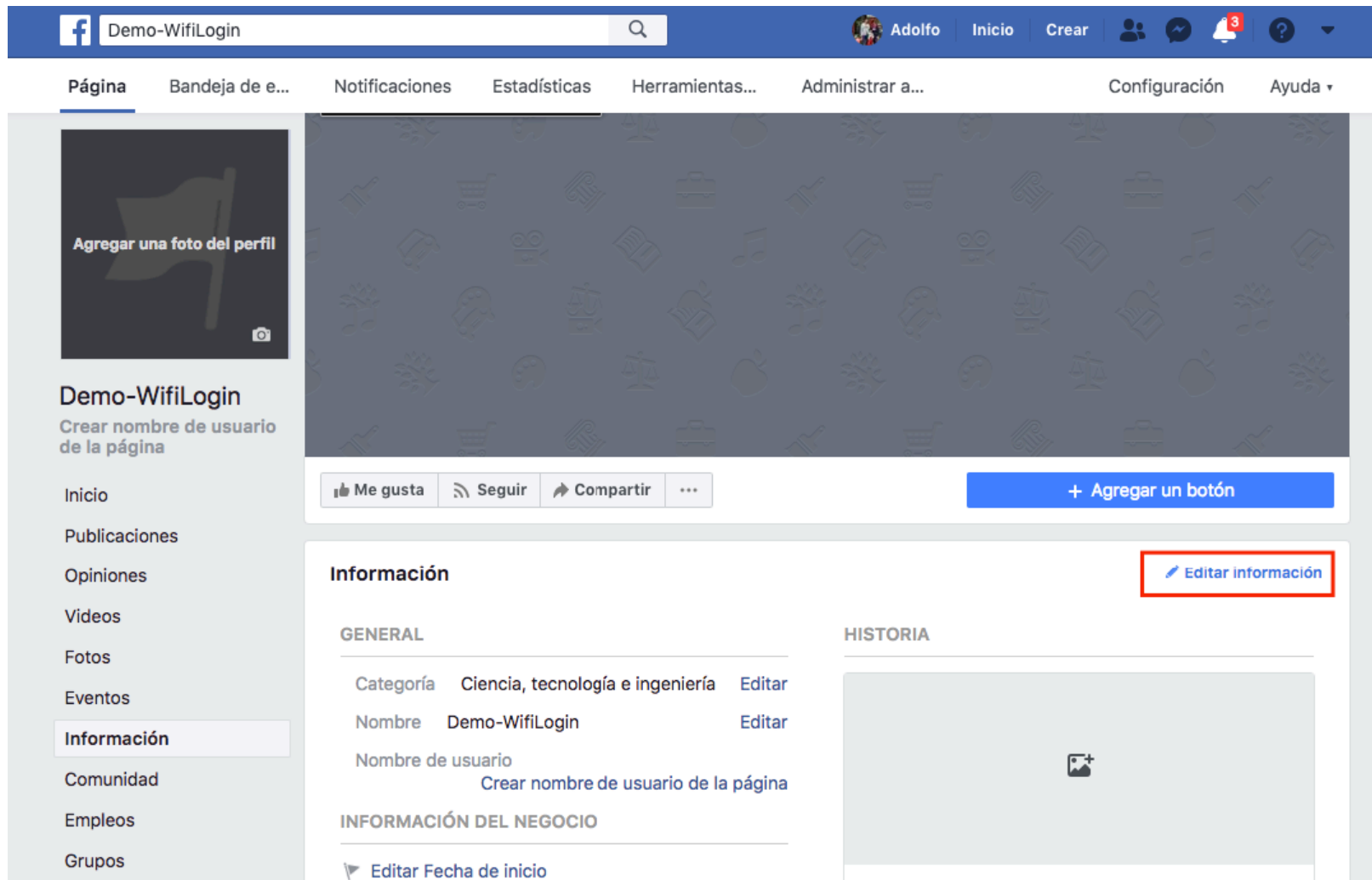


Comunidad o figura pública

Conéctate y comparte contenido con personas de tu comunidad, organización, equipo, grupo o club.

[Empezar](#)

- Page created



<https://www.facebook.com/Demo-WifiLogin-303563190479308>

- Enter a location

The image shows a Facebook page for 'Demo-WifiLogin' with the 'Edit details' dialog open to the 'Ubicación' (Location) tab. The background page includes a search bar, navigation links like 'Inicio', 'Crear', and 'Ayuda', and a sidebar with options like 'Agregar una foto del perfil', 'Inicio', 'Publicaciones', 'Opiniones', 'Videos', 'Fotos', 'Eventos', 'Información', 'Comunidad', 'Empleos', 'Grupos', and 'Información y anuncios'. The 'Edit details' dialog has tabs for 'General', 'Contacto', 'Ubicación', 'Horario', and 'More'. The 'Ubicación' tab is active, showing a map of Bogotá with a location pin. Below the map, there are checkboxes for 'Tiene dirección postal' (checked), 'Los clientes visitan mi negocio en la dirección especificada' (checked), and 'Se encuentra dentro de otro lugar' (unchecked). There are also input fields for postal code (110111), city (Bogotá), and a text box for additional details like 'dentro de la estación de trenes'. At the bottom, there are checkboxes for 'Estacionamiento' (Calle, Valet, etc.).

Editar detalles

General Contacto **Ubicación** Horario More

UBICACIÓN

Dirección ☒ Tiene dirección postal

110111 Bogotá Código po

+

-

ARRASTRA EL MAPA PARA RECORTARLO

☒ Los clientes visitan mi negocio en la dirección especificada (si desmarcas esta casilla, se ocultarán la dirección y las visitas)

☐ Se encuentra dentro de otro lugar

Ubicación

Agrega detalles (por ejemplo, dentro de la estación de trenes)

Estacionamiento ☐ Calle ☐ Valet

• Edit Captive Portal

Central

FILTER GUEST ACCESS

PoC - Stores
(1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

CURRENT APP

GUEST ACCESS

Search Current App

Find devices, clients and networks

Overview

Guest network overview

Splash Page

Create customized splash pages

Visitors

Monitor guest sessions

Guest Access > Splash Pages

Splash Pages

NAME	TYPE	STATE	
Captive Portal	Anonymous	Shared	
Captive Portal Home	Username/Password, Self-Registration	Unshared	
default	Username/Password, Self-Registration	Shared	

5102550

Per Page

Page: 1/1

• Enable Facebook WiFi

aruba Central

CURRENT APP
GUEST ACCESS

Search Current App
Find devices, clients and networks

Overview
Guest network overview

Splash Page
Create customized splash pages

Visitors
Monitor guest sessions

FILTER GUEST ACCESS
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

Splash Page > Captive Portal

▼ **Configuration**

Name: Captive Portal

Type: Anonymous Authenticated **Facebook Wi-Fi**

Facebook WiFi configuration: [Configure now...](#)

Allow Internet In Failure ☐

Override Common Name ☐

Share This Profile: ☒

Simultaneous Login Limit: No Limit ▼

Whitelist URL: + Add more URLs

[Need Help?](#) [Feedback](#) [Cancel](#) [Save Settings](#)

• Edit Facebook WiFi configuration

The screenshot displays the Aruba Central web interface for configuring a Captive Portal. The left sidebar contains navigation links for 'CURRENT APP GUEST ACCESS', 'Search Current App', 'Overview', 'Splash Page', and 'Visitors'. The main content area is titled 'PoC - Stores' and shows the 'Captive Portal' configuration. The 'Type' is set to 'Facebook Wi-Fi'. The 'Facebook WiFi configuration' section includes an 'Edit now...' button, which is highlighted with a red box. Other settings include 'Allow Internet In Failure' (disabled), 'Override Common Name' (disabled), 'Share This Profile' (enabled), 'Simultaneous Login Limit' (No Limit), and a 'Whitelist URL' field with an 'Add more URLs' button.

Aruba Central

CURRENT APP
GUEST ACCESS

Search Current App
Find devices, clients and networks

Overview
Guest network overview

Splash Page
Create customized splash pages

Visitors
Monitor guest sessions

FILTER GUEST ACCESS
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Splash Page > Captive Portal

Configuration

Name: Captive Portal

Type: Anonymous Authenticated Facebook Wi-Fi

Facebook WiFi configuration: [Edit now...](#)

Allow Internet In Failure ☐

Override Common Name ☐

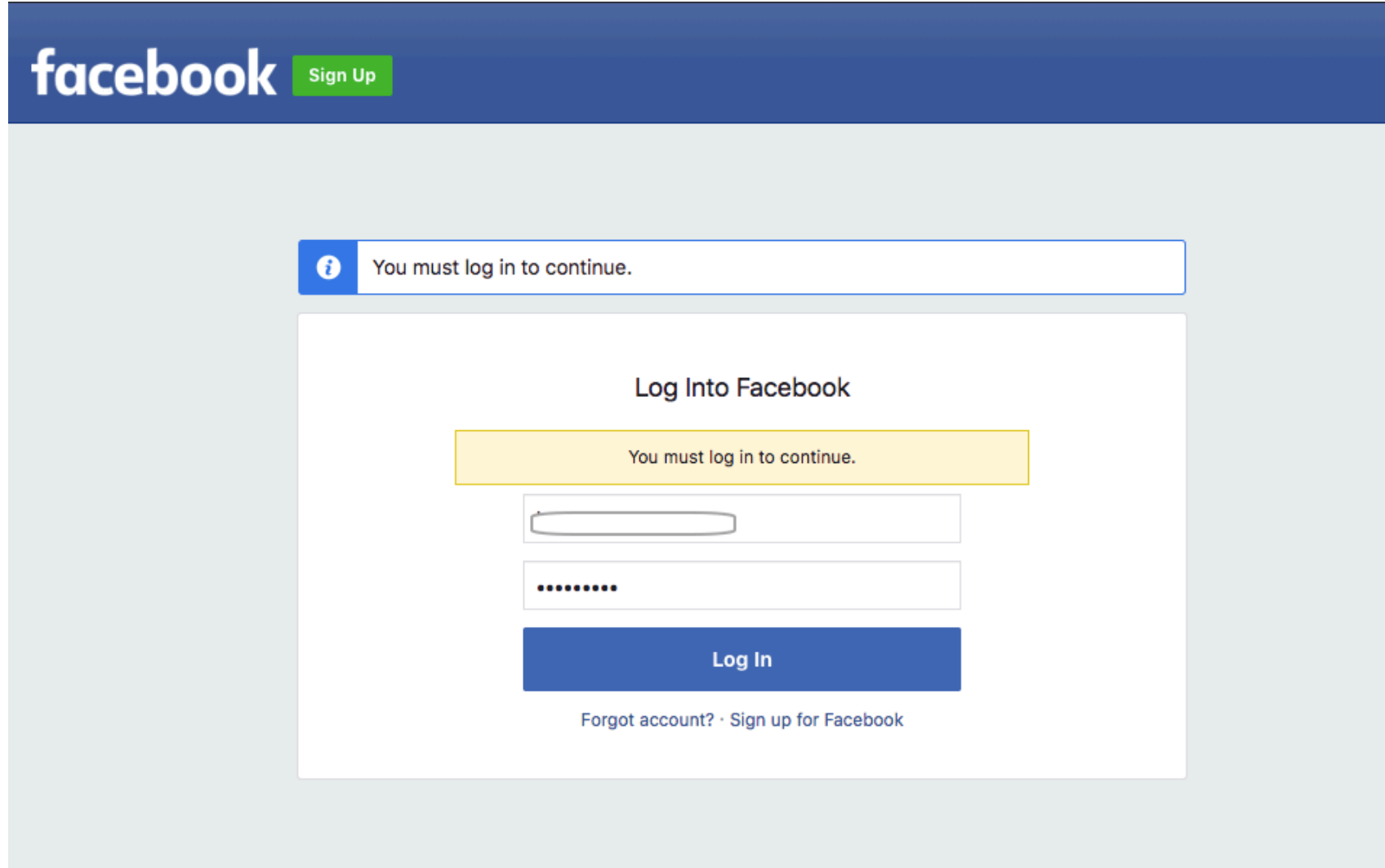
Share This Profile: ☒

Simultaneous Login Limit: No Limit ▼

Whitelist URL: [+ Add more URLs](#)

[Need Help? ^](#) [Feedback ^](#)

- Enter facebook credentials



The image shows the Facebook login interface. At the top, the Facebook logo and a 'Sign Up' button are visible. A blue notification bar at the top of the main content area states 'You must log in to continue.' Below this, a white box titled 'Log Into Facebook' contains a yellow warning box with the same message. Underneath are two input fields: the first for email or phone number, and the second for password, represented by dots. A blue 'Log In' button is positioned below the password field. At the bottom of the white box, there are links for 'Forgot account?' and 'Sign up for Facebook'.

facebook [Sign Up](#)

You must log in to continue.

Log Into Facebook

You must log in to continue.

[Log In](#)
[Forgot account?](#) · [Sign up for Facebook](#)

- Select Facebook page

Configuración de wifi de Facebook

facebookwifi1541162425256921

Página de Facebook

Para usar wifi de Facebook, debes ser administrador de una página de negocio local que tenga asociada una ubicación válida.

Demo-WifiLogin ▾

Modo de omisión

Tus clientes pueden omitir el registro. Para ello, pueden hacer clic en un enlace que lo permita o ingresar un código wifi que les proporciones.

☒ Enlace para omitir registro [?]
☐ Requerir código wifi [?]

Duración de la sesión

Selecciona por cuánto tiempo tus clientes tendrán acceso a wifi después de que registren una visita.

Tres horas ▾

Condiciones del servicio

☐ Opcional: agrega tus propias Condiciones del servicio [?]

[Ir al servicio de ayuda](#)[Guardar configuración](#)

Configuración de wifi de Facebook

facebookwifi1541162425256921

Se guardó tu configuración. Puedes cerrar esta ventana.

Página de Facebook

Para usar wifi de Facebook, debes ser administrador de una página de negocio local que tenga asociada una ubicación válida.

Demo-WifiLogin ▾

Modo de omisión

Tus clientes pueden omitir el registro. Para ello, pueden hacer clic en un enlace que lo permita o ingresar un código wifi que les proporciones.

☒ Enlace para omitir registro [?]
☐ Requerir código wifi [?]

Duración de la sesión

Selecciona por cuánto tiempo tus clientes tendrán acceso a wifi después de que registren una visita.

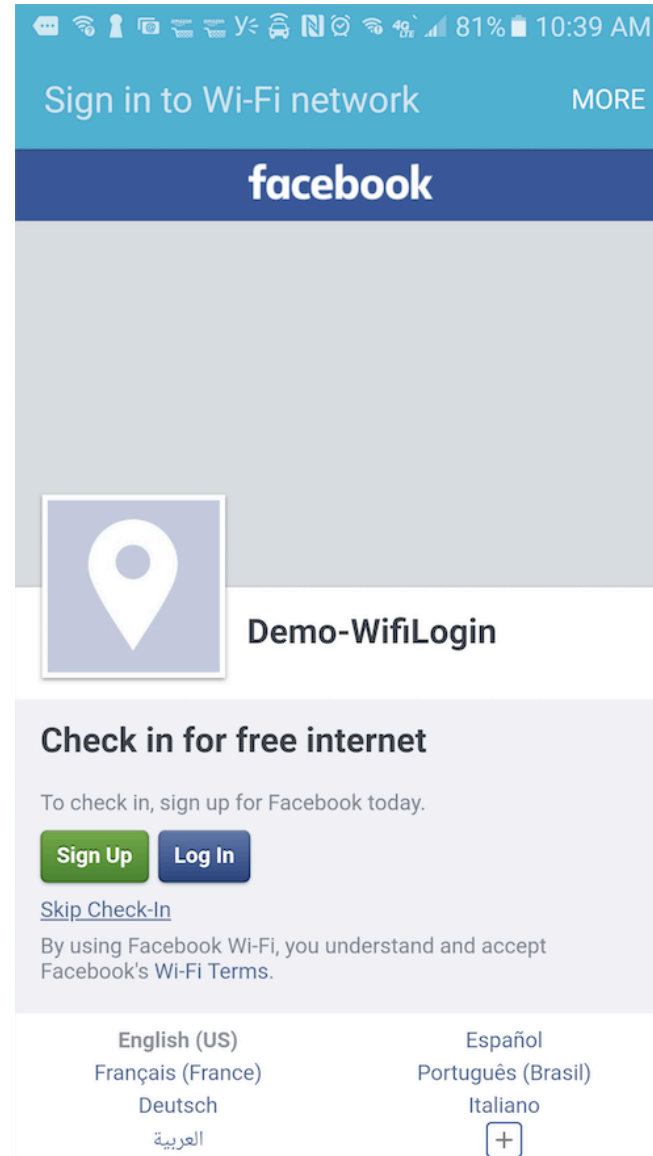
Tres horas ▾

Condiciones del servicio

☐ Opcional: agrega tus propias Condiciones del servicio [?]

[Ir al servicio de ayuda](#)[Guardar configuración](#)

- Facebook Wi-Fi login enabled





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Setup Social Login Facebook

- Copy the URL mapped in the Splash page

aruba Central

CURRENT APP
GUEST ACCESS

Search Current App
Find devices, clients and networks

Overview
Guest network overview

Splash Page
Create customized splash pages

Visitors
Monitor guest sessions

FILTER GUEST ACCESS
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Guest Access > Splash Pages

Splash Pages

NAME	TYPE	STATE
Captive Portal	Facebook WiFi	Shared
Captive Portal Home	Username/Password, Self-Registration	Unshared
default	Username/Password, Self-Registration	Shared

5 10 25 50 Per Page

Page: 1/1

← → ↻ <https://nae1.cloudguest.central.arubanetworks.com/portal/scope.cust-5003195/default/login>

Apps Aruba Networks Websense Web Fil... Directory HPE Atmosphere 2017 ... Aruba Central - A... https://community... Aruba SE Dashbo... SE Self-paced Tra...

aruba
NETWORKS

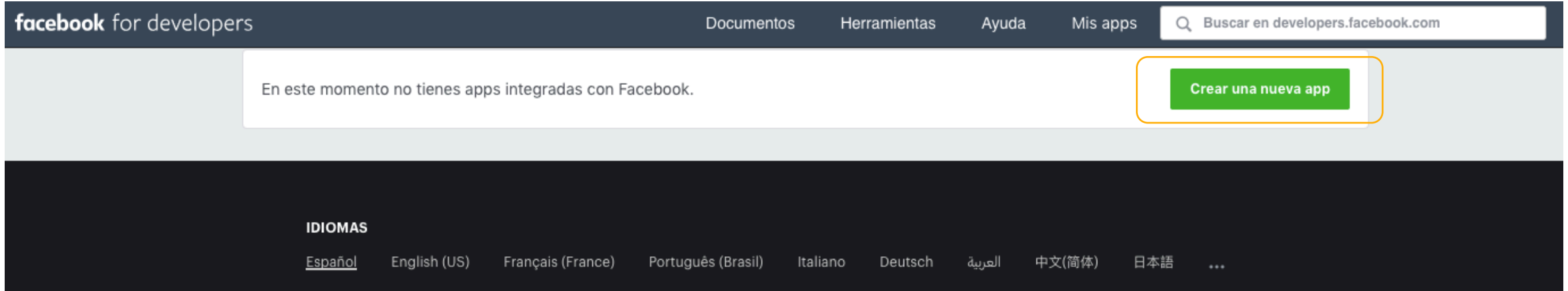
Iniciar sesión

Nombre de usuario

Password

☐ Acepto los términos y condiciones

- Click on “ Create new App”



- Name the app

Crear un nuevo identificador de la app

Empieza a integrar Facebook en tu app o sitio web

Nombre para mostrar


Correo electrónico de contacto


Al continuar, aceptas las [Políticas de la plataforma de Facebook](#)


Cancelar


Crear identificador de la app


- Click on Facebook Login - Setup


 Panel


 Configuración


 Roles


 Alertas


 Revisión de la app


PRODUCTOS 


**Account Kit**
Creación de cuenta más simple sin contraseñas.
[Leer documentos](#) **Configurar**

**Inicio de sesión con Facebook**
El producto de inicio de sesión social número uno del mundo.
[Leer documentos](#) **Configurar**

**Audience Network**
Monetiza tu sitio web o app para celulares con anuncios nativos de tres millones de anunciantes de Facebook.
[Leer documentos](#) **Configurar**

**Analytics**
Comprende cómo la gente interactúa con tu negocio en las apps, los dispositivos, las plataformas y los sitios web.

**Messenger**
Personaliza el modo en que interactúas con las personas en Messenger.

**Webhooks**
Suscríbete para recibir en tiempo real actualizaciones y notificaciones sobre cambios sin tener que llamar a la API.

- Click on web

- Panel
- Configuración
- Roles
- Alertas
- Revisión de la app

PRODUCTOS +

- Inicio de sesión con Facebook
 - Configuración

Inicio rápido

Usa el inicio rápido para agregar Inicio de sesión con Facebook a la app. Para empezar, selecciona la plataforma de la app.



iOS



Android



Web



Otra

- Enter URL -- Aruba Central

The screenshot displays the Aruba Central configuration interface. On the left is a sidebar menu with the following items: Panel, Configuración, Roles, Alertas, Revisión de la app, PRODUCTOS (+), Inicio de sesión con Facebook (with a sub-item Configuración), Inicio rápido, and Registro de actividad. The main content area has tabs for iOS, Android, Web (selected), and Otra. Under the 'Web' tab, the section '1. Infórmarnos sobre tu sitio web' contains the instruction 'Proporcionámanos la URL de tu sitio web.' Below this is a form with a label 'URL del sitio web' and a text input field containing the URL 'https://nae1.cloudguest.central.arubanetworks.com'. The input field is highlighted with a yellow border. A 'Save' button is located at the bottom right of the form.

Panel

Configuración

Roles

Alertas

Revisión de la app

PRODUCTOS (+)

Inicio de sesión con Facebook

Configuración

Inicio rápido

Registro de actividad

iOS Android **Web** Otra

1. Infórmarnos sobre tu sitio web

Proporcionámanos la URL de tu sitio web.

URL del sitio web

https://nae1.cloudguest.central.arubanetworks.com

Save

- Click on Settings

 Panel

 Configuración ▶

 Roles ▶

 Alertas ▶

 Revisión de la app

PRODUCTOS 

 Inicio de sesión con Facebook ▼

Configuración

Inicio rápido

 Registro de actividad

Aprovecha al máximo la integración con la plataforma de Facebook.

Agrega Plugins sociales para que a las personas les resulte más fácil compartir historias o indicar que les gustan, o bien enviarlas a sus amigos en Facebook desde tu sitio web o app.



Plugins sociales

Mira el contenido que tus amigos de Facebook compartieron, comentaron o indicaron que les gusta en internet.

[Leer documentos](#)

[Atrás](#)

- Check OAuth client is set to “yes” and paste the URL -- append “/oauth/reply”

Social Login

IDENTIFICADOR DE LA APP: 2

NO Estado: en desarrollo Ver

Panel

Configuración

Roles

Alertas

Revisión de la app

PRODUCTOS

Inicio de sesión con Facebook

Configuración

Inicio rápido

Registro de actividad

Configuración del cliente de OAuth

Si

Acceso del cliente de OAuth

Activa el flujo estándar de token de cliente de OAuth. Protege tu app y evita un uso incorrecto de esta especificando qué URI de redireccionamiento del token quieres permitir mediante las siguientes opciones. Desactiva esta opción globalmente si no la usas. [?]

Si

Acceso de OAuth web

Activa el acceso del cliente de OAuth basado en web. [?]

No

Forzar reautenticación de OAuth web

Si se activa, solicita a las personas que ingresen su contraseña de Facebook para iniciar sesión en el sitio web. [?]

Si

Usar modo estricto para URI de redireccionamiento

Permite solo las redirecciones que usen el SDK de Facebook o que coincidan exactamente con los URI de redirección de OAuth válidos. Muy recomendado. [?]

Si

Aplicar HTTPS

Aplica el uso de HTTPS para los URI de redireccionamiento y el SDK de JavaScript. Muy recomendado. [?]

No

Acceso de OAuth de navegador integrado

Activa los URI de redireccionamiento de la vista web para el acceso del cliente de OAuth. [?]

URI de redireccionamiento de OAuth válidos

https://nae1.cloudquest.central.arubanetworks.com/oauth/reply


- Click on “app review”

- Panel
- Configuración
- Roles
- Alertas
- Revisión de la app**

PRODUCTOS +

- Inicio de sesión con Facebook
- Configuración**
- Inicio rápido

Registro de actividad

 Agrega fácilmente el inicio de sesión con Facebook a tu app con nuestra [Guía de inicio rápido](#)

Configuración del cliente de OAuth

☒ Sí

Acceso del cliente de OAuth
Activa el flujo estándar de token de cliente de OAuth. Protege tu app y evita un uso incorrecto de esta especificando qué URI de redireccionamiento del token quieres permitir mediante las siguientes opciones. Desactiva esta opción globalmente si no la usas. [?]

☒ Sí

Acceso de OAuth web
Activa el acceso del cliente de OAuth basado en web. [?]

☒ Sí

Aplicar HTTPS
Aplica el uso de HTTPS para los URI de redireccionamiento y el SDK de JavaScript. Muy recomendado. [?]

☐ No

Forzar reautenticación de OAuth web
Si se activa, solicita a las personas que ingresen su contraseña de Facebook para iniciar sesión en el sitio web. [?]

☐ No

Acceso de OAuth de navegador integrado
Activa los URI de redireccionamiento de la vista web para el acceso del cliente de OAuth. [?]

☒ Sí

Usar modo estricto para URI de redireccionamiento
Permite solo las redirecciones que usen el SDK de Facebook o que coincidan exactamente con los URI de redirección de OAuth válidos. Muy recomendado. [?]

URI de redireccionamiento de OAuth válidos

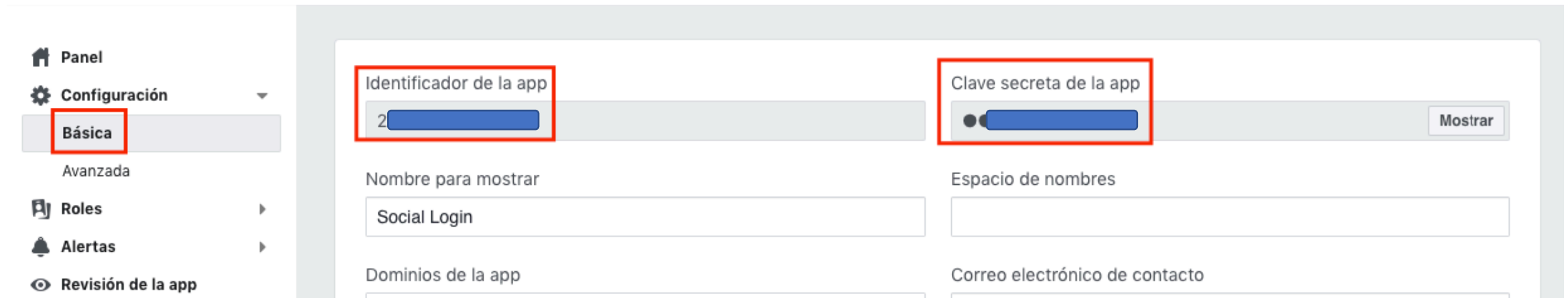
https://nae1.cloudquest.central.arubanetworks.com/oauth/reply

✕

- Public the Facebook App



- Copy App ID and App Secret



The screenshot displays the configuration interface for an application, specifically the 'Básica' (Basic) tab. The left sidebar contains navigation links: Panel, Configuración (expanded), Básica (selected), Avanzada, Roles, Alertas, and Revisión de la app. The main content area is divided into two columns. The left column contains the 'Identificador de la app' field, which is highlighted with a red box and contains the text '2'. The right column contains the 'Clave secreta de la app' field, also highlighted with a red box, and a 'Mostrar' button. Below these fields are other configuration options: 'Nombre para mostrar' (Social Login), 'Espacio de nombres', 'Dominios de la app', and 'Correo electrónico de contacto'.

Identificador de la app	Clave secreta de la app
2	<input type="password"/> <button>Mostrar</button>

Nombre para mostrar: Social Login

Espacio de nombres:

Dominios de la app:

Correo electrónico de contacto:

- Create a new splash page

CURRENT APP

GUEST ACCESS

Search Current App

Find devices, clients and networks

Overview

Guest network overview

Splash Page

Create customized splash pages

Visitors

Monitor guest sessions

FILTER GUEST ACCESS

PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Guest Access > Splash Pages

+

Splash Pages (3)

NAME	TYPE	STATE
Captive Portal	Facebook WiFi	Shared
Captive Portal Home	Username/Password, Self-Registration	Unshared
default	Username/Password, Self-Registration	Shared

5

10

25

50

Per Page

<<

<

>

>>

Page: 1/1

- Enter App ID and App Secret

aruba Central

CURRENT APP
GUEST ACCESS

Search Current App
Find devices, clients and networks

Overview
Guest network overview

Splash Page
Create customized splash pages

Visitors
Monitor guest sessions

FILTER GUEST ACCESS
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

New Splash Page

1 Configuration **2 Customization** **3 Localization**

Name: Social Login

Type: Anonymous Authenticated Facebook Wi-Fi

Username/Password: ☐

Social Login: ☒

Facebook: ☒

Client ID: 29

Client Secret: 7f

Twitter: ☐

Google+: ☐

- New splash page ready

arubaCentral

CURRENT APPGUEST ACCESS

Search Current AppFind devices, clients and networks

OverviewGuest network overview

Splash PageCreate customized splash pages

VisitorsMonitor guest sessions

FILTER GUEST ACCESS

PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Guest Access > Splash Pages

Splash Pages

NAME	TYPE	STATE
Captive Portal	Facebook WiFi	Shared
Captive Portal Home	Username/Password, Self-Registration	Unshared
default	Username/Password, Self-Registration	Shared
Social Login	Social Login	Shared


5102550


Per Page

<<<>>>


Page: 1/1

- Edit the Wireless SSID



 CURRENT APP

WIRELESS MANAGEMENT

 Search Current App

Find devices, clients and networks

Wireless SSIDs


Add and edit wireless networks

Access Points

View APs and set device parameters

RF



Set Aruba Adaptive Radio Management

 FILTER WIRELESS MANAGEMENT

PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS) ▼

Networks

Networks

NAME	TYPE	SECURITY	ACCESS TYPE
Store_Free_WiFi	guest	open system	network-based  
wired-SetMeUp	guest		network-based
default_wired_port_profile	employee		unrestricted

• Security – Splash page Profile

The screenshot shows the Aruba Central web interface. On the left is a sidebar with navigation options: 'aruba Central', 'CURRENT APP WIRELESS MANAGEMENT', 'Search Current App', 'Wireless SSIDs', 'Access Points', 'RF', and 'Wireless IDS/IPS'. The main content area is titled 'PoC - Stores' and shows the configuration for 'Store_Free_WiFi'. The 'Security' tab is selected, displaying the 'Splash Page' section. It includes a dropdown for 'Splash Page Type' (set to 'Cloud Guest'), a 'Guest Captive Portal Profile' dropdown (with a menu open showing 'Captive Portal' as the selected option), an 'Encryption' section with a plus icon and the text 'Disable if uplink type is', and a 'Social Login' option.

aruba Central

CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Wireless SSIDs
Add and edit wireless networks

Access Points
View APs and set device parameters

RF
Set Aruba Adaptive Radio Management

Wireless IDS/IPS
Manage intrusion detection and prevention

FILTER WIRELESS MANAGEMENT
PoC - Stores (1 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Networks > Configuration - Store_Free_WiFi

General VLANs **Security** Access

Splash Page

Splash Page Type: Cloud Guest

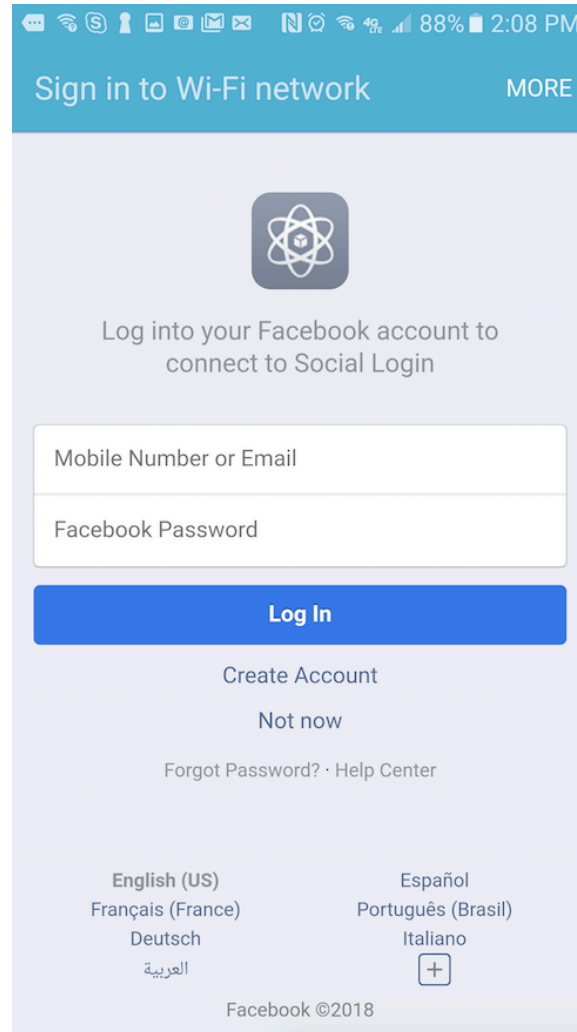
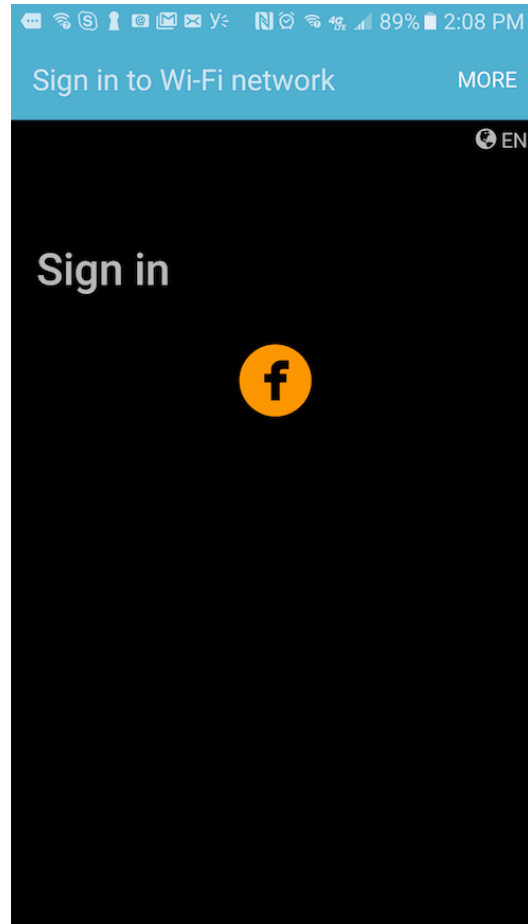
Guest Captive Portal Profile:

- ✓ Captive Portal
- Captive Portal Home
- default
- Social Login**
- New --

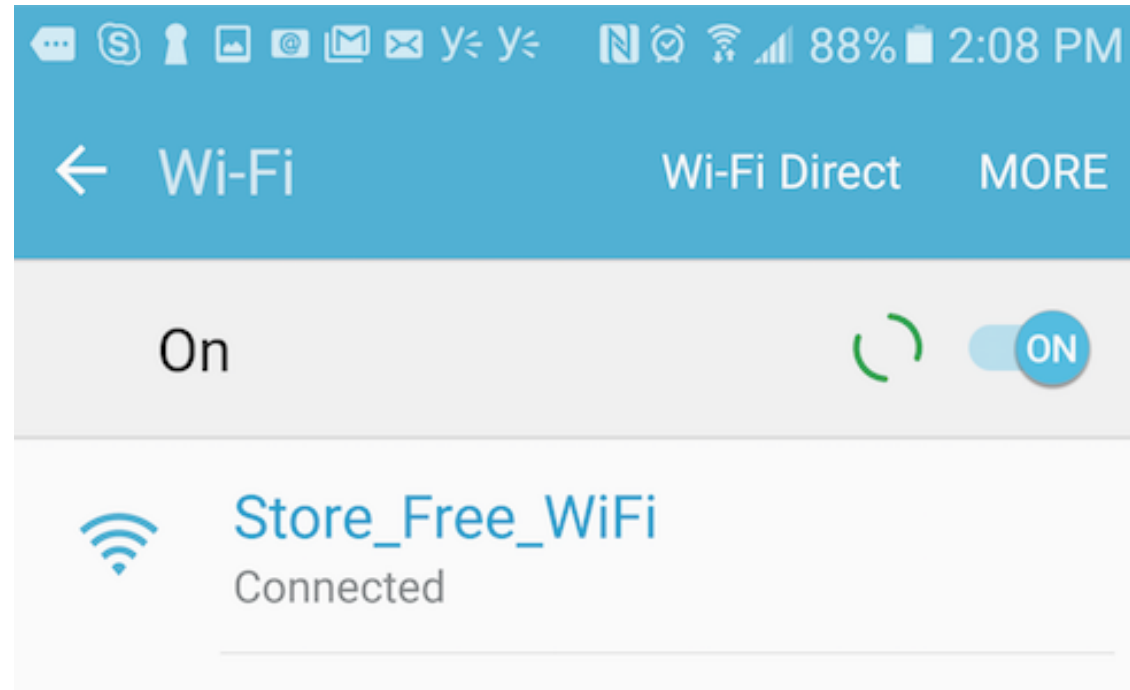
Encryption:

+ Disable if uplink type is

• Testing



- Done!





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Import switch configuration to Aruba Central

- Check serial and MAC Address

```
Aruba2930F_8G# show system
```

Status and Counters - General System Information

System Name : Aruba2930F_8G
System Contact :
System Location :

MAC Age Time (sec) : 300

Time Zone : -300
Daylight Time Rule : None

Software revision : WC.16.07.0002

ROM Version : WC.16.01.0004

Up Time : 41 mins
CPU Util (%) : 0

IP Mgmt - Pkts Rx : 250
Pkts Tx : 273

Base MAC Addr : 94f

Serial Number : CN8

Memory - Total : 342,635,008
Free : 223,744,800

Packet - Total : 6600
Buffers Free : 4347
Lowest : 4341
Missed : 0

```
Aruba2930F_8G#
```

- Check default gateway and DNS server config

```
Aruba2930F_8G# show ip
```

```
Internet (IP) Service
```

```
IP Routing : Disabled
```

```
Default Gateway : 172.16.0.1
```

```
Default TTL      : 64
```

```
Arp Age          : 20
```

```
Domain Suffix    :
```

```
DNS server       :
```

VLAN	IP Config	IP Address	Subnet Mask	Proxy ARP Std	Proxy ARP Local
DEFAULT_VLAN	DHCP/Bootp				
Employee	Manual	172.16.0.200	255.255.255.0	No	No
Guest	Manual	192.168.10.200	255.255.255.0	No	No

```
Aruba2930F_8G#
```

• Add switch to Aruba Central

arubaCentral

CURRENT APP

GLOBAL SETTINGS

Manage Groups
View, edit and add configuration groups

Device Inventory
View an inventory of all your devices

Key Management
Track all your subscription keys

DEVICE INVENTORY

View the devices in your inventory and manually add devices here.

ADD DEVICES

ADVANCED

VIEW DEVICES

SERIAL NUMBER	MAC ADDRESS	TYPE	IP ADDRESS	NAME	MODEL	PART NUMBER	GROUP	STATUS
---------------	-------------	------	------------	------	-------	-------------	-------	--------

arubaCentral

CURRENT APP

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Key Management
Track all your subscription keys

Subscription Assignment
Assign and modify device and service subscriptions

Labels and Sites
Create and manage labels and sites for monitoring

Users & Roles
Manage user access control to Aruba Central

Certificates
View, edit and add certificates

DEVICE INVENTORY

View the devices in your inventory and manually add devices here.

ADD DEVICES

ADVANCED

VIEW DEVICES

SERIAL NUMBER	MAC ADDRESS	TYPE	IP ADDRESS	NAME	MODEL	PART NUMBER	GROUP	STATUS
CN8	94:f							

ADD DEVICES

Add up to 100 devices by entering the Serial Number and MAC Address for each device

SERIAL NUMBER	MAC ADDRESS
CN8	94:f

Add more devices

Done

JZ031A	Home CI 159	
JY678A	Home CI 159	
JX936A	--	
JX945A	Home CI 159	
JY678A	PoC - Stores	

5 Device(s)

Subscribed

Unsubscribed

• Assign subscription to Switch

arubaCentral

CURRENT APP

GLOBAL SETTINGS

Manage Groups

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View an inventory of all your devices

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Track all your subscription keys

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Create and manage labels and sites for monitoring

Users & Roles

Manage user access control to Aruba Central

Certificates

View, edit and add certificates

SUBSCRIPTION ASSIGNMENT

Use the options below to assign Device Management, Foundation and Network Service subscriptions to devices.

DEVICE SUBSCRIPTIONS ⓘ

A device management subscription entitles the subscribed device to be managed in Aruba Central and enables most functionality.

Auto Subscribe OFF

You must select devices below to assign subscriptions to them

DEVICES (1 TO BE SUBSCRIBED 0 TO BE UNSUBSCRIBED)

<div><input type="checkbox"/> SUBSCRIBED</div>	SERIAL NUMBER	MAC ADDRESS	MODEL
<div><input checked="" type="checkbox"/> NO</div>	CN	94:	2930F
<div><input type="checkbox"/> NO</div>	CN	38	AP-345-RW
<div><input checked="" type="checkbox"/> YES</div>	CN	20	AP-303H-RW
<div><input type="checkbox"/> NO</div>	CN	20	AP-305
<div><input checked="" type="checkbox"/> YES</div>	CN	24	IAP-305-RW
<div><input checked="" type="checkbox"/> YES</div>	CN	20	AP-303H-RW

UPDATE SUBSCRIPTION

Total number of devices: 6

- Enter the command “include-credentials”

```
Aruba2930F_8G(config)# include-credentials
```

```
***** CAUTION *****
```

This will insert possibly sensitive information in switch configuration files, and as a part of some CLI commands output. It is strongly recommended that you use SFTP rather than TFTP for transfer of the configuration over the network, and that you use the web configuration interface only with SSL enabled.

Erasing configurations with 'include-credentials' enabled will erase stored passwords and security credentials. The system will reboot with the factory default configuration.

```
Aruba2930F_8G(config)#
```


- Set the management VLAN, DNS server and cloud provisioning

```
Aruba2930F_8G# conf t
Aruba2930F_8G(config)# management-vlan 10
Aruba2930F_8G(config)#
Aruba2930F_8G(config)# end
Aruba2930F_8G#
```

```
Aruba2930F_8G(config)#
Aruba2930F_8G(config)# ip dns server-address priority 1 8.8.8.8
Aruba2930F_8G(config)#
Aruba2930F_8G(config)#
```

```
Aruba2930F_8G# conf t
Aruba2930F_8G(config)# aruba-central enable
Aruba2930F_8G(config)#
```

```
Aruba2930F_8G# conf t
Aruba2930F_8G(config)# activate provision force
Aruba2930F_8G(config)#
```

- Switch registered to Aruba Central

```
Aruba2930F_8G# show log -r
Keys:   W=Warning   I=Information
        M=Major     D=Debug E=Error
----- Reverse event Log listing: Events Since Boot -----
I 11/28/18 16:33:09 03125 mgr: Startup configuration changed by SNMP. New seq.
      number 15
I 11/28/18 16:33:09 05258 central: Aruba Central support mode is disabled.
I 11/28/18 16:32:56 00471 ssl: SSL certificate: CN =JL258A OU = HP Networking
      EVPG 0 = Hewlett-Packard Development Company ST = CA C = US,
      serialNumber = CN [REDACTED], BaseMAC 94f [REDACTED]
I 11/28/18 16:32:56 00468 ssl: User 'cloud': logged into SSL/TLS session for
      IDEVID from (null)
I 11/28/18 16:32:55 05101 amp-server: AMP server configuration is disabled due
      to first configuration.
I 11/28/18 16:32:55 05221 activate: The device is provisioned with the Central
      https://internal.central.arubanetworks.com/ws.
I 11/28/18 16:32:55 03125 mgr: Startup configuration changed by SNMP. New seq.
      number 14
I 11/28/18 16:32:55 05622 activate: Trusted Anchor Certificate received from
      Activate server is successfully installed.
I 11/28/18 16:32:55 05223 activate: Successfully established connection with the
      Activate server;parsing final provision service response.
I 11/28/18 16:32:51 05226 activate: Successfully resolved the Activate server
      address device.arubanetworks.com to 104.36.249.201.
I 11/28/18 16:32:15 04910 ntp: All the NTP server associations reset.
```

- Switch in Central as “unprovisioned”

arubaCentral

CURRENT APP

GLOBAL SETTINGS

Manage Groups
View, edit and add configuration groups

Device Inventory
View an inventory of all your devices

Key Management
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Subscription Assignment
Assign and modify device and service subscriptions

DEVICE INVENTORY

View the devices in your inventory and manually add devices here.

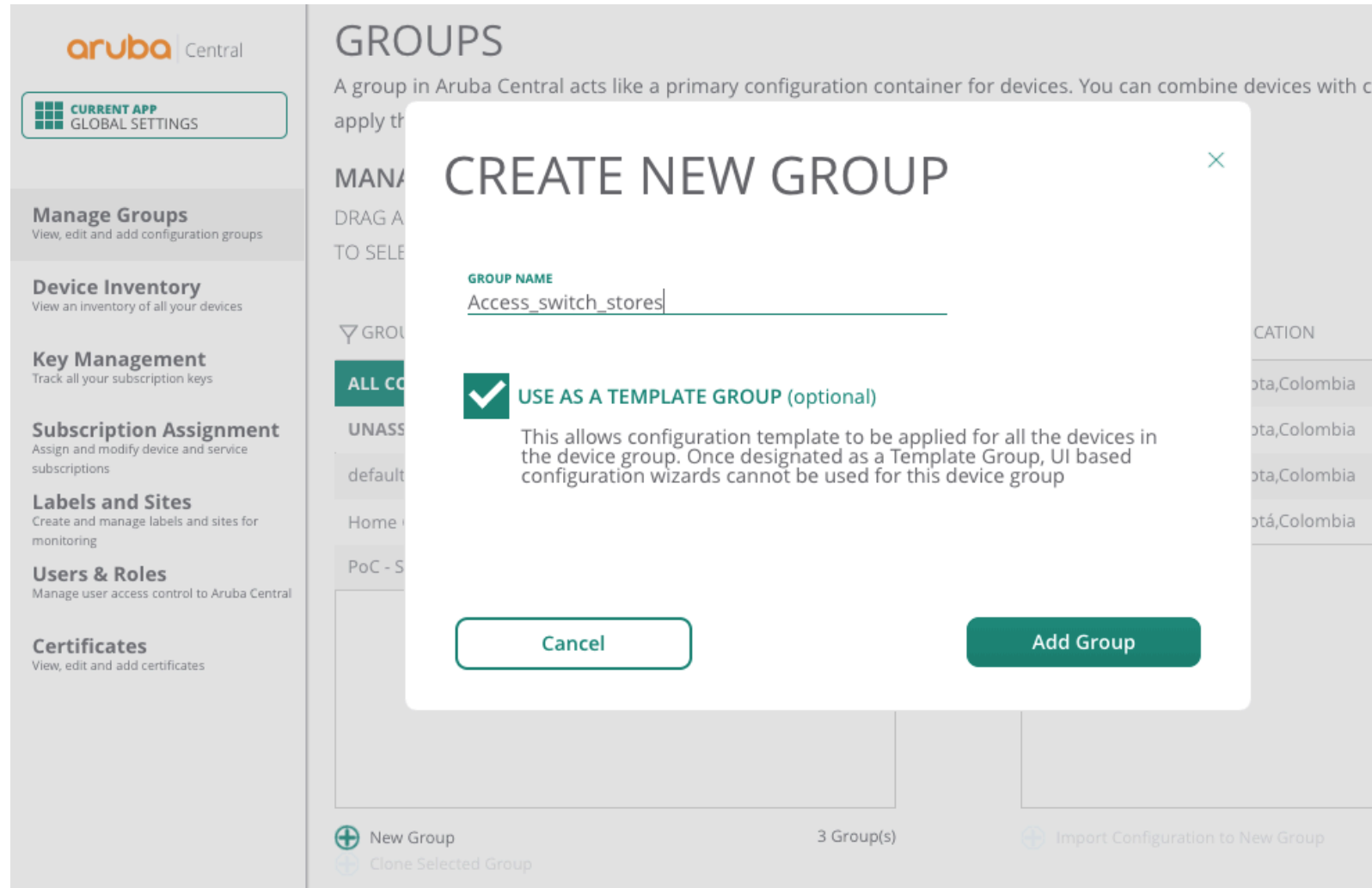
ADD DEVICES

ADVANCED

VIEW DEVICES

▽ SERIAL NUMBER	▽ MAC ADDRESS	▽ TYPE	IP ADDRESS	NAME	▽ MODEL	▽ PART NUMBER	GROUP	▽ STATUS	≡
● CN [redacted]	94:F [redacted]	switch	172.16.0.200	Aruba2930F_8G	2930F	JL258A		unprovisioned	✓
● CN [redacted]	38:1 [redacted]	iap	172.16.0.8	AP345 - Medellin	AP-345-RW	JZ031A	Home CI 159	✗	

- Create new Template Group



- Move the switch to the new Template Group

arubaCentral

CURRENT APP

GLOBAL SETTINGS

Manage Groups

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Subscription Assignment

Assign and modify device and service subscriptions

Labels and Sites

Create and manage labels and sites for monitoring

Users & Roles

Manage user access control to Aruba Central

Certificates

View, edit and add certificates

GROUPS

A group in Aruba Central acts like a primary configuration container for devices. You can combine devices with common configuration requirements into a single group and apply the same configuration settings to all the devices in the group.

MANAGE GROUPS

DRAG AND DROP CLUSTERS AND SWITCHES TO SELECT MULTIPLE DEVICES SHIFT+CLICK

GROUP NAME	DEVICE COUNT
ALL CONNECTED DEVICES	4
UNASSIGNED DEVICES	1
TG - Access_switch_stores	0
default	0
Home CI 159	2
PoC - Stores	1

New Group

4 Group(s)

Import Configuration to New Group

4 Device(s)

CONFIRM ACTION

⚠

Moving 1 device(s) from unprovisioned to Access_switch_stores. Moving devices to another group changes the configuration of the selected devices. Do you want to continue?

Yes

No

	TYPE	SERIAL #	MAC ADDR.
ombia	Aruba Switch	CN84HKZ0HP	94:f1:28:8b:e7:70
ombia	IAP	CNDLK2R12X	20:4c:03:20:22:90
ombia	IAP	CNFBK51112	38:17:c3:c0:18:ea
ombia	IAP	CNDZJ5S89S	24:f2:7f:c8:c0:92

- Click on “config” template

arubaCentral

CURRENT APP

GLOBAL SETTINGS

Manage Groups

View, edit and add configuration groups

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Certificates

View, edit and add certificates

GROUPS

A group in Aruba Central acts like a primary configuration container for devices. You can combine devices with common configuration requirements into a single group and apply the same configuration settings to all the devices in the group.

MANAGE GROUPS

DRAG AND DROP CLUSTERS AND SWITCHES BETWEEN GROUPS

TO SELECT MULTIPLE DEVICES SHIFT+CLICK OR CTRL+CLICK

GROUP NAME	DEVICES
ALL CONNECTED DEVICES	4
UNASSIGNED DEVICES	0
<div>TG</div> Access_switch_stores	1 <div>config</div>
default	0
Home CI 159	2
PoC - Stores	1

New Group

Clone Selected Group

4 Group(s)

NAME	LOCATION	TYPE	SERIAL #	MAC ADDR.
Aruba2930F_8G	Bogota,Colombia	Aruba Switch	CN	94:
PoC - Central Store	Bogota,Colombia	IAP	CN	20:
Template_VC345	Bogota,Colombia	IAP	CN	38:
VC Tenerife	Bogotá,Colombia	IAP	CN	24:

Import Configuration to New Group

4 Device(s)

• Click on “+”

arubaCentral

CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Templates

Variables

Configuration Audit

FILTER GLOBAL SETTINGS

TG Access_switch_st... (0 Total Devices | 0 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

Templates

Templates

TEMPLATE NAME	DEVICE TYPE	MODEL	VERSION	LAST MODIFIED
<div><div></div><div>No data to display</div></div>				

- Create the new template importing the existing configuration

The screenshot shows the Aruba Central interface with a modal dialog titled "ADD TEMPLATE". The dialog contains the following elements:

- Header:** "ADD TEMPLATE" with a close button (X).
- Info Message:** "If Templates/variables are modified, entire configuration will be pushed and switches with firmware version lower than 16.05 will be rebooted."
- Form Fields:**
 - Template Name:** 2930F-8p-access-store
 - Model:** 2930F
 - Part Name:** (ALL)
 - Device:** Aruba Switch
 - Version:** ALL
- Warning:** "Not applicable if stacking is enabled"
- Action Section:**
 - Select a device to import configuration:** A dropdown menu is open, showing "Aruba2930F_8G" selected.
 - Import Template:** A button highlighted with an orange box.
- Footer:** "Cancel" and "Save" buttons.

- Click on save to create the new template

aruba Central

CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Templates

Variables

Configuration Audit

FILTER GLOBAL SETTINGS
TG Access_switch_st... (1 Total Devices | 0 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

ADD TEMPLATE

Not applicable if stacking is enabled

Select a device to import configuration: Aruba2930F_8G

Import Template

Importing configuration from a device will replace the existing template

Template

```
1 #This template is imported from device "Aruba2930F_8G" with serial "CN84f
2
3 %_sys_template_header%
4 hostname "%_sys_hostname%"
5 %_sys_module_command%
6 no cwm enable
7 include-credentials
8 password manager user-name "manager" sha1 "499eab0b928d4a1eb6ae0a5976d39c
9 timesync ntp
10 ntp unicast
11 ntp server 129.6.15.28
12 ntp server 132.163.96.5
13 ntp server 186.118.171.89
14 ntp enable
15 time timezone -300
16 web-management ssl
17 ip dns server-address priority 1 8.8.8.8
18 ip route 0.0.0.0 0.0.0.0 172.16.0.1
19 interface 4
20   name "Access Point"
21   poe-lldp-detect enabled
22   exit
23
```

Cancel

Save

• Done! Switch is managed by Central

arubaCentral

CURRENT APP

MONITORING & REPORTS

Search Current App

Find devices, clients and networks

Network Overview

View Aruba device performance and security

Network Health

View potential network issues

Label Health

View potential network issues

FILTER MONITORING & REPORTS

All Devices

(5 Total Devices | 1 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

TEMPORAL FILTER

3 HOURS

NETWORK OVERVIEW

APs

SWITCHES

List of Online Switches (1)

GATEWAYS

SECURITY

Switches

Stacks

Switches (1)

NAME	GROUP	IP ADDRESS	AVG USAGE	LABELS	SITE NAME	UPLINK PORTS	
Aruba2930F_8G	Access_switch_stores	172.16.0.200	5 kbps				

5

10

25

50

Per Page

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