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Aruba Central APIs

Part 2

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July 2018

Agenda

Aruba Central APIs - Part 1 document can be found here:

<http://community.arubanetworks.com/t5/Cloud-Managed-Networks/Aruba-Central-APIs-First-steps-using-Postman/m-p/413985>

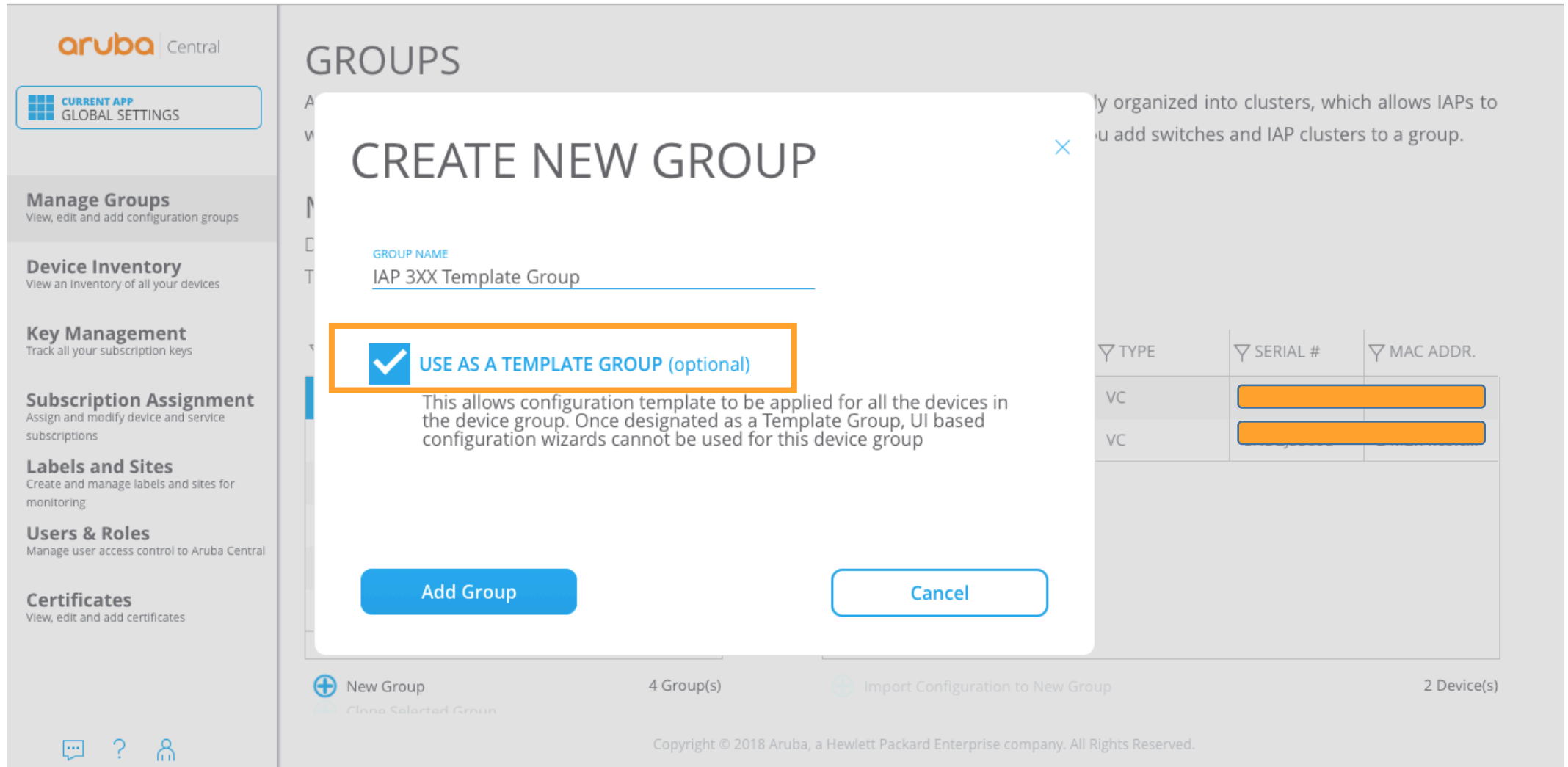
- Create a new SSID using Template Groups
- Change SSID Name
- Change SSID password



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Task: Create a new SSID using Template Groups

Groups – Create a New Group



The image shows the Aruba Central web interface. On the left is a sidebar with navigation links: '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), and 'Certificates' (View, edit and add certificates). The main content area is titled 'GROUPS'. A modal dialog titled 'CREATE NEW GROUP' is open in the center. It has a close button (X) in the top right. Below the title is a 'GROUP NAME' field containing 'IAP 3XX Template Group'. Below that is a checkbox labeled 'USE AS A TEMPLATE GROUP (optional)' which is checked; this checkbox and its label are highlighted with an orange border. Below the checkbox is explanatory text: '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'. At the bottom of the dialog are two buttons: 'Add Group' (blue) and 'Cancel' (white with blue border). In the background, a table is partially visible with columns 'TYPE', 'SERIAL #', and 'MAC ADDR.'. It shows two rows with 'VC' in the 'TYPE' column and orange input fields in the 'SERIAL #' and 'MAC ADDR.' columns. At the bottom of the main interface, there are links: '+ New Group', 'Clone Selected Group', 'Import Configuration to New Group', and '2 Device(s)'. A copyright notice at the very bottom reads: 'Copyright © 2018 Aruba, a Hewlett Packard Enterprise company. All Rights Reserved.'

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

CREATE NEW GROUP

GROUP NAME
IAP 3XX Template Group

☒ **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

Add Group Cancel

TYPE	SERIAL #	MAC ADDR.
VC		
VC		

+ New Group 4 Group(s) Import Configuration to New Group 2 Device(s)

Clone Selected Group

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Click on “config” Template 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 the primary configuration element in Aruba Central. Aruba IAPs are automatically organized into clusters, which allows IAPs to work together as a virtual WLAN controller. Group policies will be automatically applied as you add switches and IAP clusters to a 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	2
UNASSIGNED DEVICES	0
default	0
Home Cl 159	1
IAP 3XX Template Gr...	0
Template AP	1

New Group

Clone Selected Group

4 Group(s)

NAME	LOCATION	TYPE	SERIAL #	MAC ADDR.
Template_VC...	Bogota,Colo...	VC		
VC Tenerife	Bogotá,Colo...	VC		

Import Configuration to New Group

2 Device(s)

←

config

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Add a new template group

aruba

Central

CURRENT APP

WIRELESS MANAGEMENT

Search Current App

Find devices, clients and networks

Templates

Variables

Configuration Audit

FILTER GLOBAL SETTINGS

TG IAP 3XX Templat...

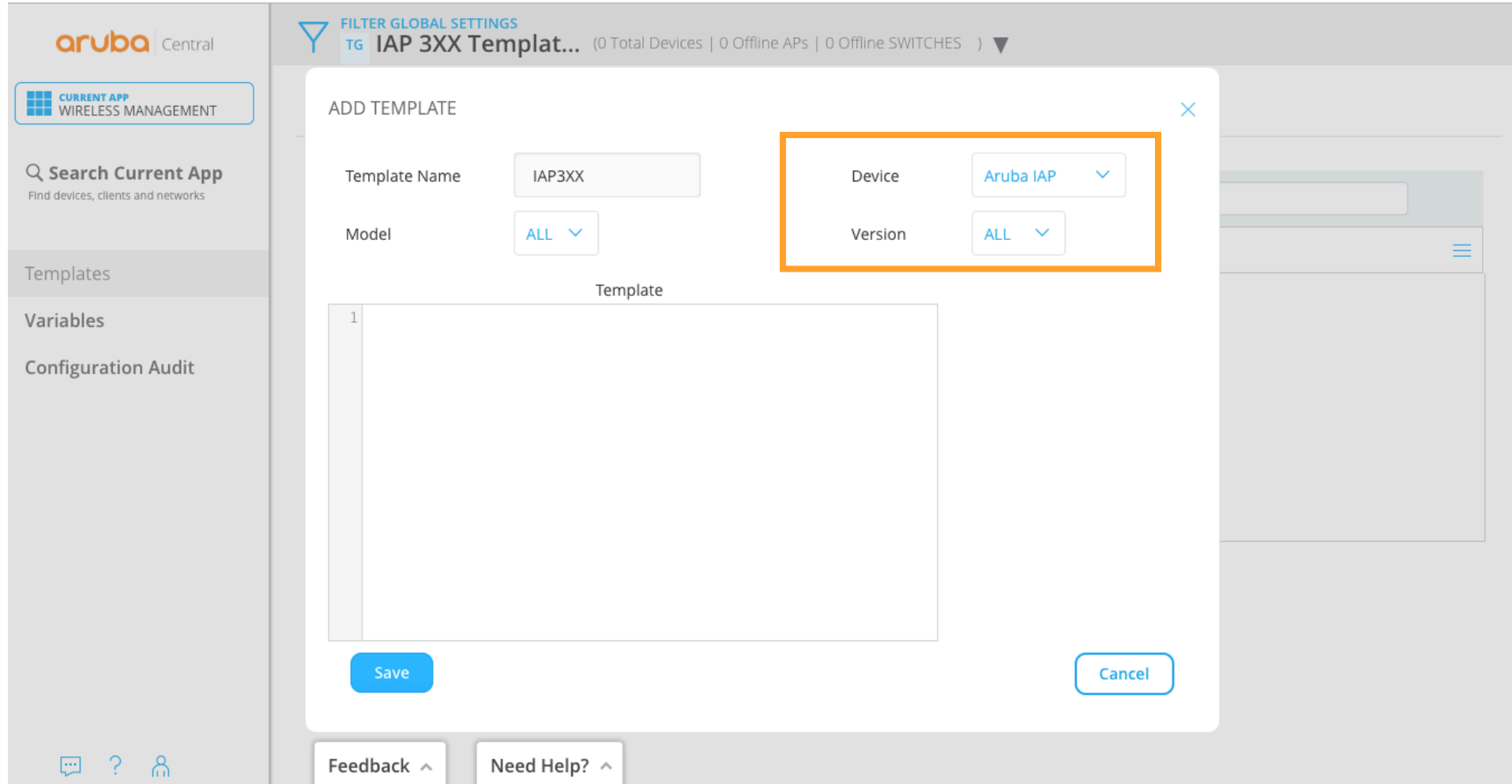
(0 Total Devices | 0 Offline APs | 0 Offline SWITCHES)

Templates

Templates

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

Name and Device type = IAP



The image shows a screenshot of the Aruba Central web interface. A modal dialog box titled "ADD TEMPLATE" is open in the center. The dialog has a close button (X) in the top right corner. It contains the following fields:

- Template Name:** A text input field containing "IAP3XX".
- Model:** A dropdown menu with "ALL" selected.
- Device:** A dropdown menu with "Aruba IAP" selected. This field is highlighted with an orange border.
- Version:** A dropdown menu with "ALL" selected. This field is also highlighted with an orange border.

Below these fields is a table with the header "Template". The table has one row with the number "1" in the first column and an empty text area in the second column.

At the bottom of the dialog are two buttons: "Save" (blue) and "Cancel" (white with blue border).

The background interface shows the Aruba Central logo and navigation menu on the left, and a header bar with "FILTER GLOBAL SETTINGS" and "TG IAP 3XX Templat..." (0 Total Devices | 0 Offline APs | 0 Offline SWITCHES) on the right.

Paste the config file (Template Group.txt)

The screenshot shows the Aruba Central interface with the 'EDIT TEMPLATE' dialog box open. The dialog box has a title bar 'EDIT TEMPLATE' and a close button. It contains the following fields and content:

- Template Name:** IAP3XX
- Device:** Aruba IAP
- Model:** ALL
- Version:** 8.3.0
- Template:** A text area containing configuration commands:

```
62 max-clients-threshold 64
63
64 auth-survivability cache-time-out 24
65
66 dpi
67
68 wlan external-captive-portal
69   server localhost
70   port 80
71   url "/"
72   auth-text "Authenticated"
73   auto-whitelist-disable
74   https
75
76
77 blacklist-time 3600
78 auth-failure-blacklist-time 3600
79
80 ids
81 wireless-containment none
82
```
- Template Variables:** A list of variables:

```
1 country_code
2 custom_wlan_psk1
3 custom_wlan_ssid1
4 hostname
```
- Buttons:** A 'Save' button (highlighted with an orange box) and a 'Cancel' button.

The background shows the Aruba Central interface with the 'CURRENT APP WIRELESS MANAGEMENT' section and a search bar. The footer includes 'Copyright © 2018 Aruba, a Hewlett Packard Enterprise company. All Rights Reserved.' and 'Feedback' and 'Need Help?' buttons.

Variables defined

Mandatory Variables

_sys_lan_mac
_sys_serial
vc_name

Optional Variables

country_code
custom_wlan_psk1
custom_wlan_ssid1
hostname

Create the variable json file and download the file to the local PC

Use <https://jsoneditoronline.org/>

The screenshot displays the JSON Editor Online interface. The top navigation bar includes the title "JSON Editor Online" and buttons for "New", "Open", "Save", "Settings", and "Help". The "Save" button is highlighted, and a dropdown menu is open, showing options for "Save to disk" and "Save online".

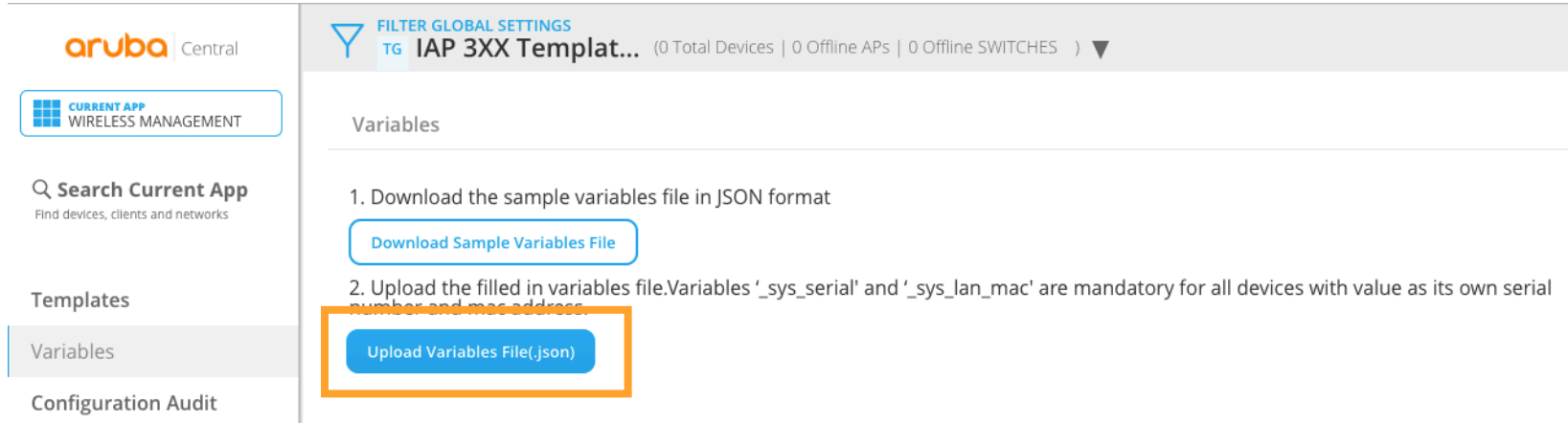
The main editing area on the left shows a JSON object with the following structure:

```
1 {  
2   "CN": {  
3     "_sys_lan_mac": "20:4",  
4     "_sys_serial": "CN",  
5     "vc_name": "Demo_AP303",  
6     "country_code": "CA",  
7     "custom_wlan_psk1": "aruba12345",  
8     "custom_wlan_ssid1": "AP303",  
9     "hostname": "IAP303"  
10  }  
11 }  
12
```

The right panel shows a tree view of the JSON structure:

- object ▶ CN
 - object {1}
 - CN {7}
 - _sys_lan_mac : 20:4
 - _sys_serial : CN
 - vc_name : Demo_AP303
 - country_code : CA
 - custom_wlan_psk1 : aruba12345
 - custom_wlan_ssid1 : AP303
 - hostname : IAP303

Upload the variable json file to Aruba Central



aruba Central

CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Templates

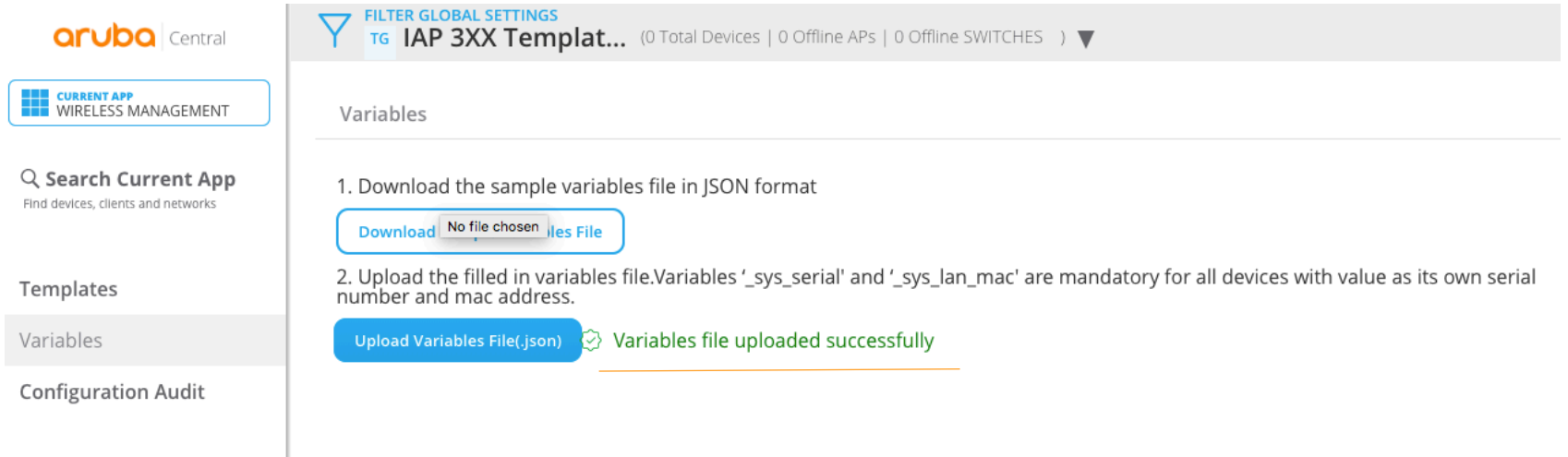
Variables

Configuration Audit

FILTER GLOBAL SETTINGS
TG IAP 3XX Templat... (0 Total Devices | 0 Offline APs | 0 Offline SWITCHES) ▼

Variables

1. Download the sample variables file in JSON format
[Download Sample Variables File](#)
2. Upload the filled in variables file. Variables '_sys_serial' and '_sys_lan_mac' are mandatory for all devices with value as its own serial number and mac address.
[Upload Variables File\(.json\)](#)



aruba Central

CURRENT APP
WIRELESS MANAGEMENT

Search Current App
Find devices, clients and networks

Templates

Variables

Configuration Audit

FILTER GLOBAL SETTINGS
TG IAP 3XX Templat... (0 Total Devices | 0 Offline APs | 0 Offline SWITCHES) ▼

Variables

1. Download the sample variables file in JSON format
[Download](#) No file chosen [Variables File](#)
2. Upload the filled in variables file. Variables '_sys_serial' and '_sys_lan_mac' are mandatory for all devices with value as its own serial number and mac address.
[Upload Variables File\(.json\)](#) Variables file uploaded successfully

Connect the new AP to the network

The screenshot shows the Aruba Central Virtual Controller interface for a device named 'SetMeUp-20:22:90'. The top navigation bar includes links for System, RF, Security, Maintenance, More, Help, and Logout. The main content area is divided into three tabs: '1 Network', '1 Access Point', and '0 Clients'. The '1 Access Point' tab is active, showing a table with one entry: '20:4...' with 0 clients. A 'Welcome to Instant' dialog box is overlaid on the screen, asking the user to specify the Country Code. The dialog box includes a dropdown menu with the text '-- Select a country code --' and a 'Help' link. Below the dialog box, there is a section for 'Info' with various configuration details. The 'RF Dashboard' section shows a table with columns for Signal, Speed, Access Points, Utilization, Noise, and Errors. The 'Usage Trends' section shows two line graphs: 'Clients' and 'Throughput (bps)'. The bottom of the interface includes a language selector set to 'English' and the 'Aruba Central' logo.

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VIRTUAL CONTROLLER

SetMeUp-20: [orange box]

System RF Security Maintenance | More ▾ | Help Logout

Search

1 Network +

Name ▾ Clients

SetMeUp (SetMeUp-20:...) 0

→ New

1 Access Point +

Name ▾ Clients

20:4 [orange box] 0

0 Clients +

Name ▾ IP Address ESSID Access Point

Welcome to Instant Help

Please specify the Country Code:

-- Select a country code -- ▾

If the desired country code is not present, please try [Upgrading your AP](#) to the latest version and try again.

If your AP is already running the latest version, please contact technical support for more information.

OK

SetMeUp-20:22:90

Monitoring IDS AirGroup Configuration 0 Alerts -

Info

Name: SetMeUp-20:2...

Country code: --

Virtual Controller IP: 0.0.0.0

VC IPv6 Address: ::

VC DNS: 0.0.0.0

IP Mode: v4-only

Management: Local

Master: 172.16.0.15

IPv6 Address: --

NTP Server Via DHCP: 172.16.0.1

Uplink type: Ethernet

Uplink status: Up

Radius RFC3576 Listen Port: 3799

RF Dashboard

All clients

Signal Speed Access Points Utilization Noise Errors

20:4 [orange box]

Usage Trends

Clients

Throughput (bps)

Out In

English ▾

Aruba Central

Pause

Add the new AP to Central and apply subscription

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

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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

SUBSCRIPTION ASSIGNMENT

APPLY SUBSCRIPTIONS

with auto-apply disabled, you'll need to manually select which devices you'll manage in Aruba Central

<input type="checkbox"/>	SUBSCRIBED	SERIAL #	MAC	MODEL
<input checked="" type="checkbox"/>	YES			AP-345-RW
<input checked="" type="checkbox"/>	YES			AP-303H-RW
<input type="checkbox"/>	NO			
<input checked="" type="checkbox"/>	YES			IAP-305-RW
<input checked="" type="checkbox"/>	NO	CND	20:4	AP-303H-RW

1 Selected
4 Remaining

SAVECANCEL

TO SELECT MULTIPLE DEVICES SHIFT+CLICK OR CTRL+CLICK

TO REMOVE MULTIPLE DEVICES FROM A SERVICE, USE BATCH REMOVE

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Confirmation from Aruba Central

The image shows a screenshot of the Aruba Central web interface. On the left is a sidebar with navigation links: 'Manage Groups', 'Device Inventory', 'Key Management', 'Subscription Assignment' (highlighted), 'Labels and Sites', 'Users & Roles', and 'Certificates'. The main content area is titled 'SUBSCRIPTION ASSIGNMENT' and contains introductory text about device management and network service subscriptions. A modal dialog box titled 'Device Subscription' is centered on the screen, displaying a green checkmark icon and the text: '1 devices have been assigned subscriptions' and '0 devices have been unsubscribed'. Below the text is an 'OK' button. The background content is dimmed, showing sections for 'DEVICE SUBSCRIPTION' and 'NETWORK SERVICE SUBSCRIPTIONS'.

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

SUBSCRIPTION ASSIGNMENT

Aruba Central has two types of subscriptions: Device Management and Network Services. A device management subscription entitles the subscribed device to be managed in Aruba Central and enables most functionality. Network Service subscriptions enable devices to participate in Cloud Guest networks, to be included in Presence Analytics, and to be monitored through Clarity.

Selecting Auto-Subscribe will assign a subscription to a device as soon as it appears in your Aruba Central inventory. Regardless of when a device is added to the inventory, a device that has an expired subscription will automatically be assigned a new valid subscription. Devices that do not have a valid subscription will be assigned available subscriptions on the Key Management page.

DEVICE SUBSCRIPTION

☐ AUTO SUBSCRIBE

Keys are applied for

SELECT DEVICES

NETWORK SERVICE SUBSCRIPTIONS

DRAG AND DROP DEVICE(S) ONTO A SERVICE TO ASSIGN

TO SELECT MULTIPLE DEVICES SHIFT+CLICK OR CTRL+CLICK

TO REMOVE MULTIPLE DEVICES FROM A SERVICE, USE BATCH REMOVE

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Assign the AP to Template Group

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

DEVICE INVENTORY

When you place an order for new devices, those devices will automatically appear in your Aruba Central inventory once the order is processed. If you don't see a purchased device in your inventory, you can manually add it. Aruba Central allows you to add up to 32 devices manually by entering the valid MAC and serial number combination for each device. If you need to add more than 32 devices, you can use the Aruba Cloud Activation Key to do so.

DEVICES

ADD BY MAC/SN

ADD WITH CLOUD ACTIVATION KEY

ADD U

SERIAL #	MAC	TYPE
		iap
		iap
		cap
		iap
CND	20:4	iap

ASSIGN GROUP

ASSIGN A GROUP TO THE SELECTED DEVICE

GROUP NAME

default

Home CI 159

TG IAP 3XX Template Group

4 Group(s)

Assign Device(s)

Cancel

SITES	MODEL	GROUP	STATUS
0	AP-345-RW	Template AP	Subscribed
1	AP-303H-RW	Home CI 159	Subscribed
0		--	Unsubscribed
1	IAP-305-RW	Home CI 159	Subscribed
0	AP-303H-RW	--	Subscribed

5 Device(s)

Confirmation from Aruba Central

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

DEVICE INVENTORY

When you place an order for new devices, those devices will automatically appear in your Aruba Central inventory once the order is processed. If you don't see a purchased device in your inventory, you can manually add it. Aruba Central allows you to add up to 32 devices manually by entering the valid MAC and serial number combination for each device. If you need to add more than 32 devices, you can use the Aruba Cloud Activation Key to do so.

DEVICES

ADD BY MAC/SN

ADD WITH CLOUD ACTIVATION KEY

▽ SERIAL #	▽ MAC	▽ TYPE	SITES	MODEL	GROUP	▽ STATUS
● [REDACTED]		lap	0	AP-345-RW	Template AP	✓ Subscribed
● [REDACTED]		lap	1	AP-303H-RW	Home CI 159	✓ Subscribed
● [REDACTED]		cap	0	[REDACTED]	--	✗ Unsubscribed
● [REDACTED]		lap	1	IAP-305-RW	Home CI 159	✓ Subscribed
● [REDACTED]		lap	0	AP-303H-RW	IAP 3XX Templ...	✓ Subscribed

5 Device(s)

Assign Group

✓ Assigned group successfully

OK

IAP reboots as a Master, then connects to Aruba Central

```
20: [redacted]# reload
```

```
Do you really want to reset the system(y/n): y
```

```
Reloading
```

```
[ 163.804514] (21:33:00) !!! Init ----> Master
```

```
User:
```

```
User: admin
```

```
Password:
```

```
show tech-support and show tech-support supplemental are the two most useful outputs to collect for any kind of troubleshooting session.
```

```
20: [redacted]#
```

```
20: [redacted]#
```

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

```
IAP mgmt mode           :local-mgmt
```

```
cloud config recvd      :FALSE
```

```
autojoin mode           :disable
```

```
state diff              :disable
```

```
Device Cert status      :SUCCESS
```

```
20: [redacted]#
```

```
20: [redacted]#
```

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

```
IAP mgmt mode           :athena-mgmt login
```

```
cloud config recvd      :FALSE
```

```
autojoin mode           :disable
```

```
state diff              :disable
```

```
Device Cert status      :SUCCESS
```


```
Aruba Central server     :internal.central.arubanetworks.com
```


```
Aruba Central Protocol   :HTTPS
```


```
Aruba Central status     :Not start
```

```
20: [redacted]#
```

IAP receives config from Aruba Central






**CURRENT APP**
WIRELESS MANAGEMENT


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

Templates

Variables

Configuration Audit



 **FILTER WIRELESS MANAGEMENT**
TG IAP 3XX Templat... (0 Total Devices | 0 Offline APs | 0 Offline SWITCHES) ▼

2. Upload the filled in variables file.Variables '_sys_serial' and '_sys_lan_mac' are mandatory for all devices with value as its own serial number and mac address.

Upload Variables File(.json)

Variables

DEVICE MAC ADDRESS	DEVICE SERIAL NUMBER	VARIABLE NAME	VARIABLE VALUE
20: [redacted]	CN: [redacted]	vc_name	Demo_AP303
20: [redacted]	CN: [redacted]	_sys_serial	CN: [redacted]
20: [redacted]	CN: [redacted]	hostname	IAP303
20: [redacted]	CN: [redacted]	_sys_lan_mac	20: [redacted]
20: [redacted]	CN: [redacted]	custom_wlan_psk1	aruba12345
20: [redacted]	CN: [redacted]	custom_wlan_ssid1	AP303
20: [redacted]	CN: [redacted]	country_code	CA
20: [redacted]	CN: [redacted]	_sys_allowed_ap	20: [redacted]

102550100

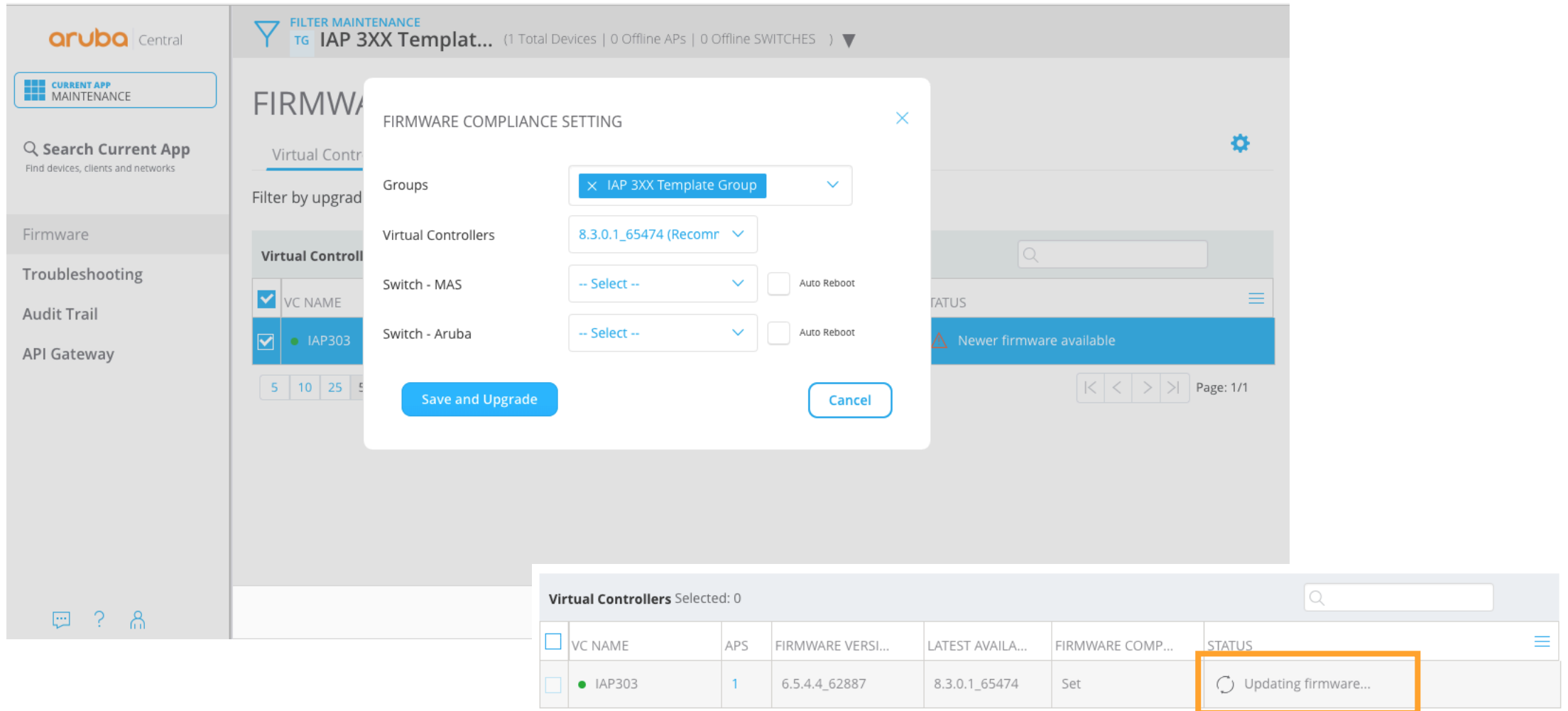
Per Page

⏪ ⏴ ⏵ ⏩

Page: 1/1

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Firmware upgrade



The image shows the Aruba Central web interface for firmware management. A modal window titled "FIRMWARE COMPLIANCE SETTING" is open, allowing configuration for the "IAP 3XX Template Group". The modal includes dropdowns for "Groups", "Virtual Controllers" (set to 8.3.0.1_65474), and "Switch" (MAS and Aruba), along with checkboxes for "Auto Reboot". A "Save and Upgrade" button is at the bottom of the modal. In the background, a "Newer firmware available" notification is visible. Below the modal, a table shows the status of the "IAP303" virtual controller, with the "Updating firmware..." status highlighted by an orange box.

FIRMWARE COMPLIANCE SETTING

Groups: IAP 3XX Template Group

Virtual Controllers: 8.3.0.1_65474 (Recomr)

Switch - MAS: -- Select --

Switch - Aruba: -- Select --

Auto Reboot: ☐


Save and Upgrade

Cancel


Virtual Controllers Selected: 0

VC NAME	APS	FIRMWARE VERSI...	LATEST AVAILA...	FIRMWARE COMP ...	STATUS
IAP303	1	6.5.4.4_62887	8.3.0.1_65474	Set	Updating firmware...


IAP ready and SSID being broadcasted



aruba Central




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



FILTER MONITORING & REPORTS
TG **IAP 3XX Templat...** (1 Total Devices | 0 Offline APs | 0 Offline SWITCHES) ▼




TEMPORAL FILTER
3 HOURS ▼


NETWORK OVERVIEW

APS
List of Online APs (1) ▼

SWITCHES ▼





SECURITY ▼

Access Points (1) 

NAME	GROUP	IP ADDRESS	VIRTUAL CON...	2.4 GHZ	5 GHZ	SITE NAME	LABELS	
● 20: 	IAP 3XX Templ...	172.16.0.15	IAP303	1	149E			

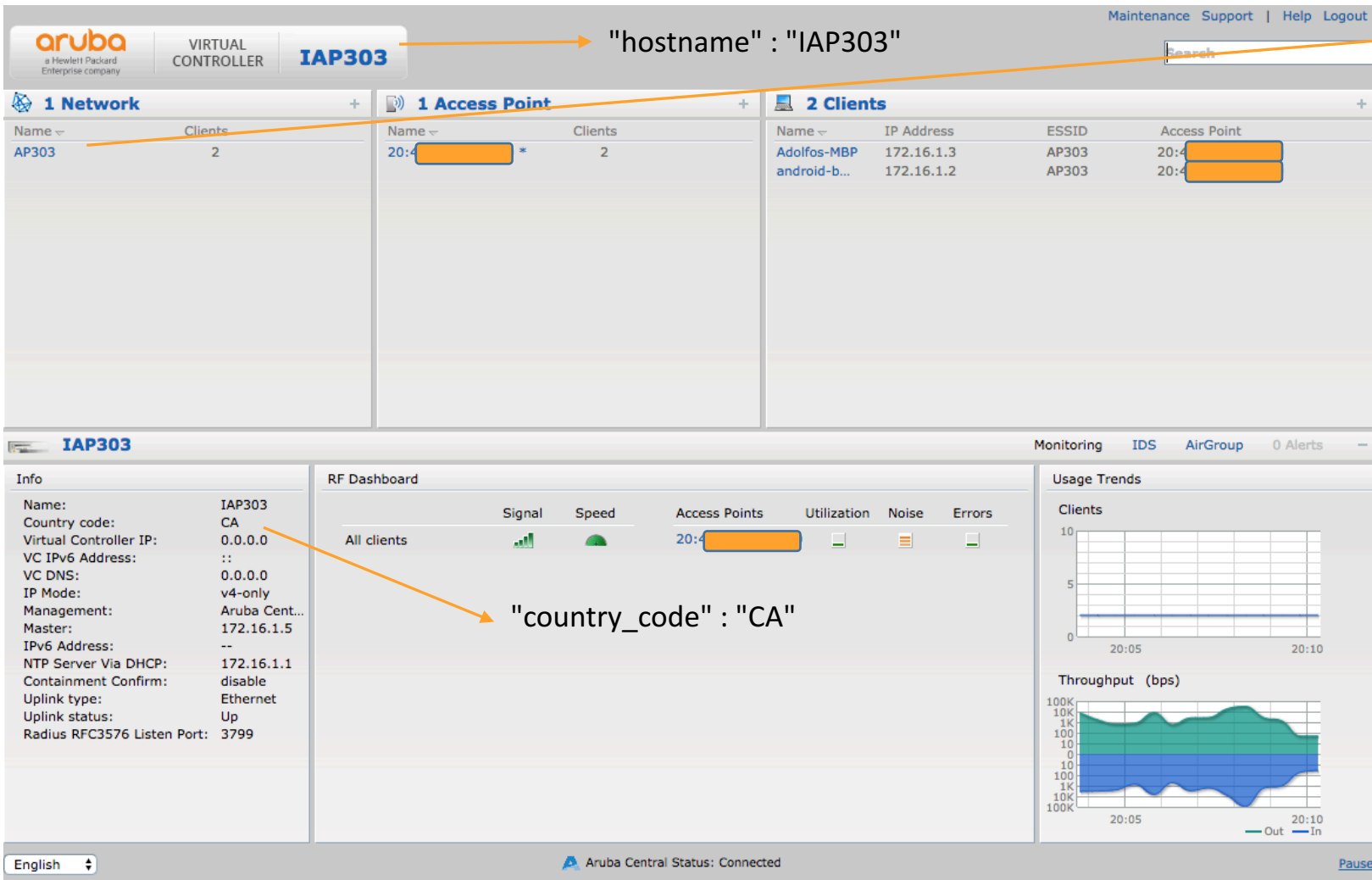
5102550

Per Page



Page: 1/1

Template applied successfully



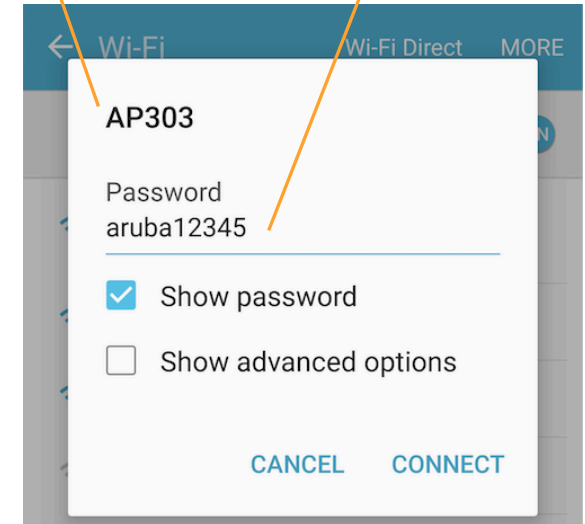
The screenshot shows the Aruba Central configuration page for a Virtual Controller (IAP303). The page is divided into several sections:

- Header:** Aruba logo, "VIRTUAL CONTROLLER", and "IAP303".
- Search Bar:** A search bar with the text "hostname" : "IAP303" entered.
- Network Overview:** A table showing the network configuration. The "1 Network" section shows "AP303" with 2 clients. The "1 Access Point" section shows "20:4" with 2 clients. The "2 Clients" section shows two clients: "Adolfos-MBP" and "android-b...", both connected to the "20:4" access point.
- Info Section:** A table of configuration details for the IAP303, including Name, Country code, Virtual Controller IP, VC IPv6 Address, VC DNS, IP Mode, Management, Master, IPv6 Address, NTP Server Via DHCP, Containment Confirm, Uplink type, Uplink status, and Radius RFC3576 Listen Port.
- RF Dashboard:** A section showing RF metrics for all clients, including Signal, Speed, Access Points, Utilization, Noise, and Errors.
- Usage Trends:** Two line graphs showing "Clients" and "Throughput (bps)" over time.

Orange arrows point from the text labels to specific fields in the interface:

- "hostname" : "IAP303" points to the search bar.
- "country_code" : "CA" points to the "Country code" field in the Info section.

"custom_wlan_ssid1" : "AP303"
"custom_wlan_psk1" : "aruba12345"



The screenshot shows a Wi-Fi connection dialog box. The dialog has a title bar with "Wi-Fi" and "Wi-Fi Direct" tabs. The main content area displays the network name "AP303" and the password "aruba12345". There are two checkboxes: "Show password" (checked) and "Show advanced options" (unchecked). At the bottom, there are two buttons: "CANCEL" and "CONNECT".



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Task: Change SSID name

List variables via API

methods

GET

https://internal-apigw.central.arubanetworks.com/configuration/v1/devices/Serial_AP/template_variables

GET	https://internal-apigw.central.arubanetworks.com/configuration/v1/devices/CN[redacted]/template_variables?access_token=nzTmS2ugN0QtSWJXB...	Params	Send	Save
	Key	Value	Description	...
<input checked="" type="checkbox"/>	access_token	nzTmS2ugN0QtSWJXBGR2GRB07DtyBVbt		Bulk Edit
	New key	Value	Description	
Authorization	Headers (1)	Body	Pre-request Script	Tests
				Cookies Code

List variables → Answer from Central

Body Cookies (2) Headers (13) Test Results Status: 200 OK Time: 10189 ms Size: 809 B

Pretty Raw Preview JSON

```
1 - {
2 -   "data": {
3 -     "total": 8,
4 -     "variables": [
5 -       {
6 -         "_sys_allowed_ap": "20:[redacted]",
7 -         "_sys_lan_mac": "20:[redacted]",
8 -         "_sys_serial": "CN[redacted]",
9 -         "country_code": "CA",
10 -        "custom_wlan_psk1": "aruba12345",
11 -        "custom_wlan_ssid1": "AP303",
12 -        "hostname": "IAP303",
13 -        "vc_name": "Demo_AP303"
14 -      },
15 -      "device_serial": "CN[redacted]"
16 -    ]
17 -   }
18 - }
```


Update %custom_wlan_ssid1% variable

methods

PATCH

https://internal-apigw.central.arubanetworks.com/configuration/v1/devices/~Serial_AP~/template_variables

PATCH

https://internal-apigw.central.arubanetworks.com/configuration/v1/devices/CN[REDACTED]/template_variables?access_token=nzTmS2ugN0QtSWjXB...

Params

Send

Save

Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> access_token	nzTmS2ugN0QtSWjXBGR2GRB07DtyBVbt			
New key	Value	Description		

Authorization

Headers (2)

Body

Pre-request Script

Tests

Cookies

Code

☐ form-data

☐ x-www-form-urlencoded

☒ raw


☐ binary

JSON (application/json)

```
1 {
2   "total": 8,
3   "variables": {
4     "_sys_allowed_ap": "20:[REDACTED]",
5     "_sys_lan_mac": "20:[REDACTED]",
6     "_sys_serial": "CN[REDACTED]",
7     "country_code": "CA",
8     "custom_wlan_psk1": "aruba12345",
9     "custom_wlan_ssid1": "AP303_new",
10    "hostname": "IAP303",
11    "vc_name": "Demo_AP303"
12  }
13 }
```

Update %custom_wlan_ssid1% variable → Answer from Central

Body Cookies (2) Headers (11) Test Results Status: 200 OK Time: 3407 ms Size: 374 B

Pretty Raw Preview JSON ▾ 

1 "Success"

aruba
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VIRTUAL
CONTROLLER

IAP303

Maintenance Support | Help Logout

1 Network		1 Access Point		1 Client			
Name ▾	Clients	Name ▾	Clients	Name ▾	IP Address	ESSID	Access Point
AP303_new	0	20: <input type="text"/> *	1	android-b...	172.16.1.2	AP303	20: <input type="text"/>



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Task: Change SSID password

Update %custom_wlan_psk1% variable

methods

PATCH

https://internal-apigw.central.arubanetworks.com/configuration/v1/devices/~Serial_AP~/template_variables

PATCH

https://internal-apigw.central.arubanetworks.com/configuration/v1/devices/CN[REDACTED]/template_variables?access_token=nzTmS2ugN0QtSWjXB...

Params

Send

Save

	Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	access_token	nzTmS2ugN0QtSWjXBGR2GRB07DtyBVbt			
	New key	Value	Description		

Authorization

Headers (2)

Body

Pre-request Script

Tests

Cookies

Code

☐ form-data

☐ x-www-form-urlencoded

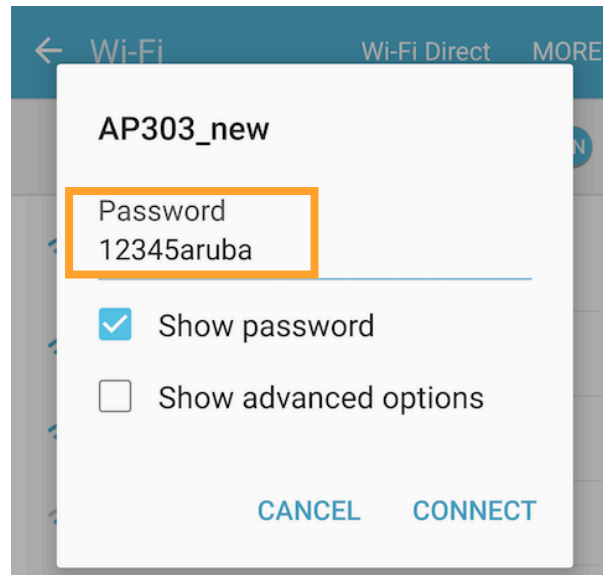
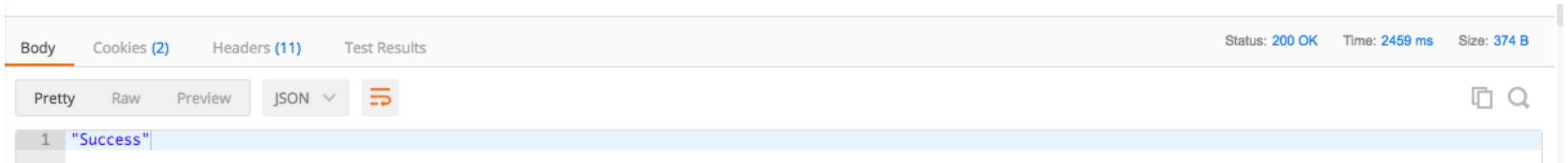
☒ raw

☐ binary

JSON (application/json)

```
1- {
2-   "total": 8,
3-   "variables": {
4-     "_sys_allowed_ap": "20[REDACTED]",
5-     "_sys_lan_mac": "20[REDACTED]",
6-     "_sys_serial": "CN[REDACTED]",
7-     "country_code": "CA",
8-     "custom_wlan_psk1": "12345aruba",
9-     "custom_wlan_ssid1": "AP303_new",
10-    "hostname": "IAP303",
11-    "vc_name": "Demo_AP303"
12-   }
13- }
```

Update %custom_wlan_ssid1% variable → Answer from Central





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Thanks



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References

https://arubapedia.arubanetworks.com/arubapedia/index.php/Demo_Use_Case_%22Classroom%22_-_Aruba_Central_API_Gateway

Aruba Central Hands On Labs - Aspire 2018