

# Central账号注册及登录

账号注册URL <https://portal.central.arubanetworks.com.cn/signup>

账号登录URL <https://app.central.arubanetworks.com.cn/>

IOS Central APP下载: <https://itunes.apple.com/us/app/aruba-central/id1072608313?mt=8>

Andriod Central APP下载: <https://play.google.com/store/apps/details?id=com.arubanetworks.arubacentral>

# 账号注册

The screenshot shows the top portion of the Aruba Cloud Platform sign-up page. The browser address bar displays the URL: [https://portal.central.arubanetworks.com.cn/global\\_signup/v1/signup/#/SIGNUP](https://portal.central.arubanetworks.com.cn/global_signup/v1/signup/#/SIGNUP). The page title is "SIGN UP WITH ARUBA CLOUD PLATFORM". Below the title, a sub-header reads: "Aruba Cloud Platform, a cloud based Software-As-a-Service solution, provides streamlined management of Wired and Wireless network devices." The main form area contains an "Email Address:" label and a text input field containing "test123@gmail.com". A red rectangular box highlights this input field. Below the input field is a blue "Continue" button. At the bottom of the page, there is a copyright notice: "Copyright © 2018 Aruba, a Hewlett Packard Enterprise company."

只要有邮箱即可注册

注意密码复杂度要求

非正式用户注册，对注册信息无要求

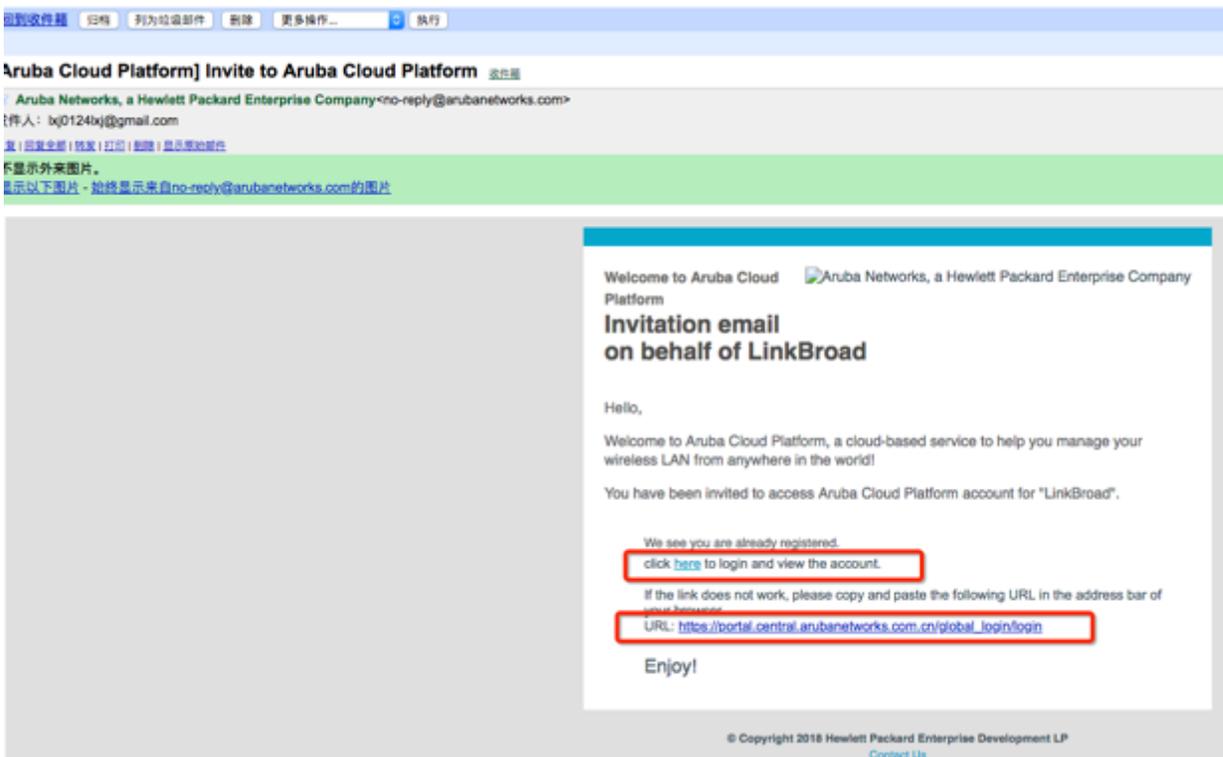
正式用户注册，company信息请填写准确

## SIGN UP WITH ARUBA CLOUD PLATFORM

Aruba Cloud Platform, a cloud based Software-As-a-Service solution, provides streamlined management of Wired and Wireless network devices.

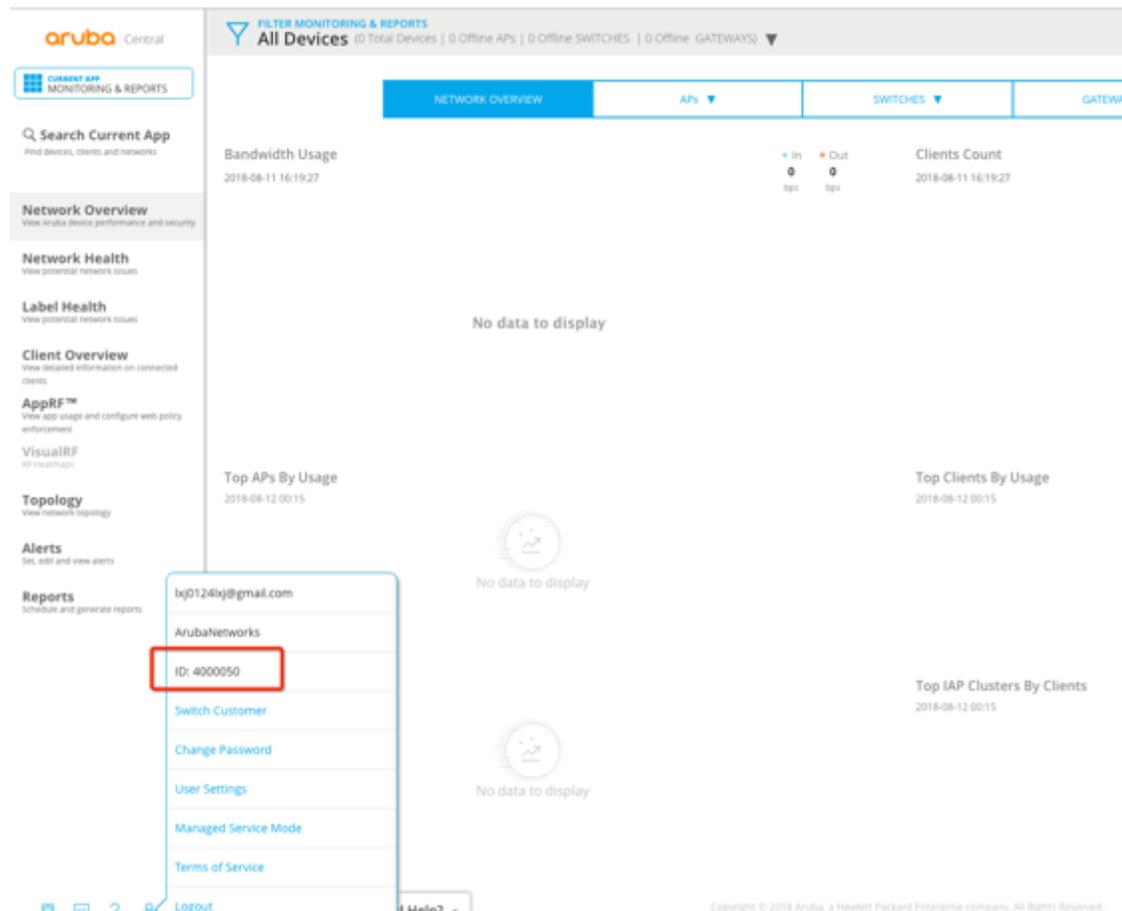
The screenshot shows the full registration form on the Aruba Cloud Platform sign-up page. The form includes the following fields: "Email Address:" (pre-filled with "test123@gmail.com"), "Password:" (with a toggle icon), "Confirm Password:", "First Name:" and "Last Name:" (separate input fields), "Company:", "Address(Line1):", "Address(Line2):" (with "Optional:" text below), "Country:" (dropdown menu with "Select Country" text), "State:" (dropdown menu with "Select State" text), "City:", "ZIP Code:", "Dial Code:", and "Phone Number:". At the bottom, there is a checkbox labeled "I agree to the Terms and Conditions" and a blue "Sign Up" button. A blue tooltip box with a red border is positioned to the right of the password field, containing the following text: "Your password must be at least 7 characters long and satisfy at least two conditions below: 1. At least 1 uppercase letter and 1 lowercase letter. 2. At least 1 special character from this set: '!@#\$%^&\*()\_+[]:;''<.->/? 3. At least 1 number."

# 账号登录



进行邮箱激活账号

登录后注意自己账号的customer ID是多少，这是识别用户账号的唯一凭证，一个邮箱账号下可添加或共享多个CustomerID



# 建议用公司邮箱申请专用账号

Aruba  
a Hewlett Packard  
Enterprise company

NETWORK OVERVIEW

APs

SWT

Bandwidth Usage  
2018-08-11 16:19:27

In Out  
0 0  
bps bps

No data to display

Top APs By Usage  
2018-08-12 00:15

No data to display

No data to display

lxj0124lxj@gmail.com

ArubaNetworks

ID: 4000050

Switch Customer

Change Password

User Settings

Managed Service Mode

## SELECT ACCOUNT

Please select the account you would like to login to or add a new account.

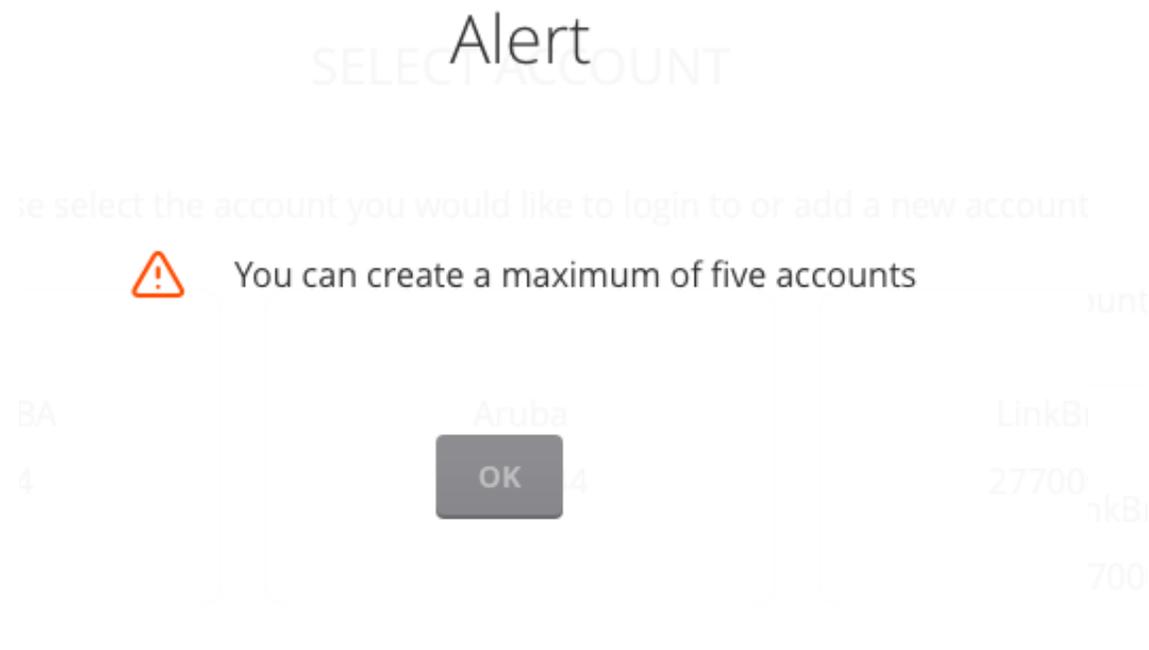
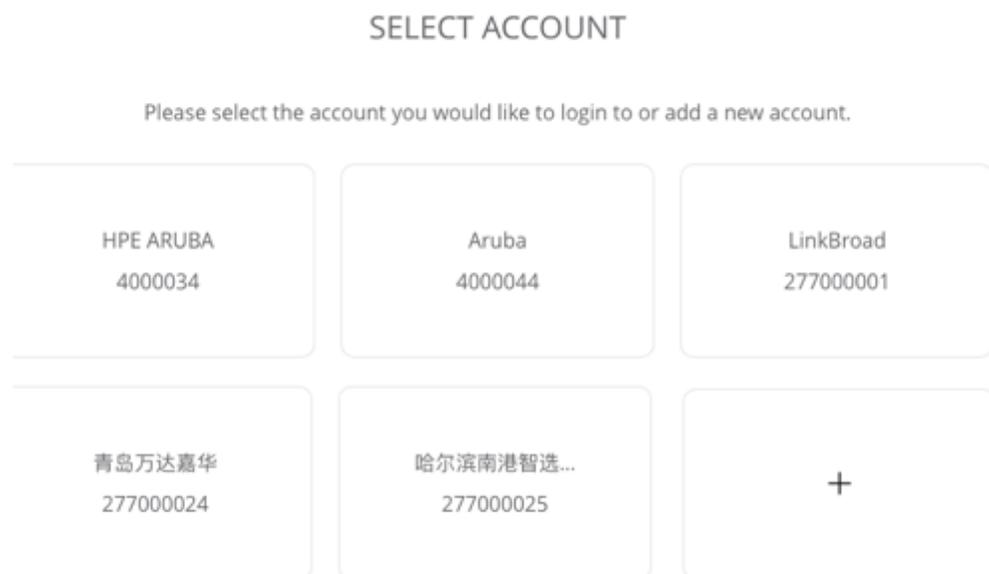
Aruba  
4000044

Aruba - 4000044

+

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# 账号创建的限制



目前一个账号有创建和共享5个customer ID的限制

# 设备信息在Central平台的添加

# 三种方式将设备信息同步至Central账号

**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    ADD USING ACTIVATE

SERIAL #	MAC	TYPE	IP	NAME	LABELS	SITES	MODEL	GROUP	STATUS
● BX0104810	18:64:72:C6:3E:E2	lap	--	--	0	0	IAP-224-RW	--	Unsubscribed

ASSIGN GROUP

1 Device(s)

# 1、通过MAC+SN手工输入设备信息

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 product, 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 devices, you can use the Cloud Activation tool.

DEVICES

ADD BY MAC/SN

▽ SERIAL #

- BX0104810

ASSIGN GROUP

## ADD DEVICES

Central supports adding up to 32 total devices manually.

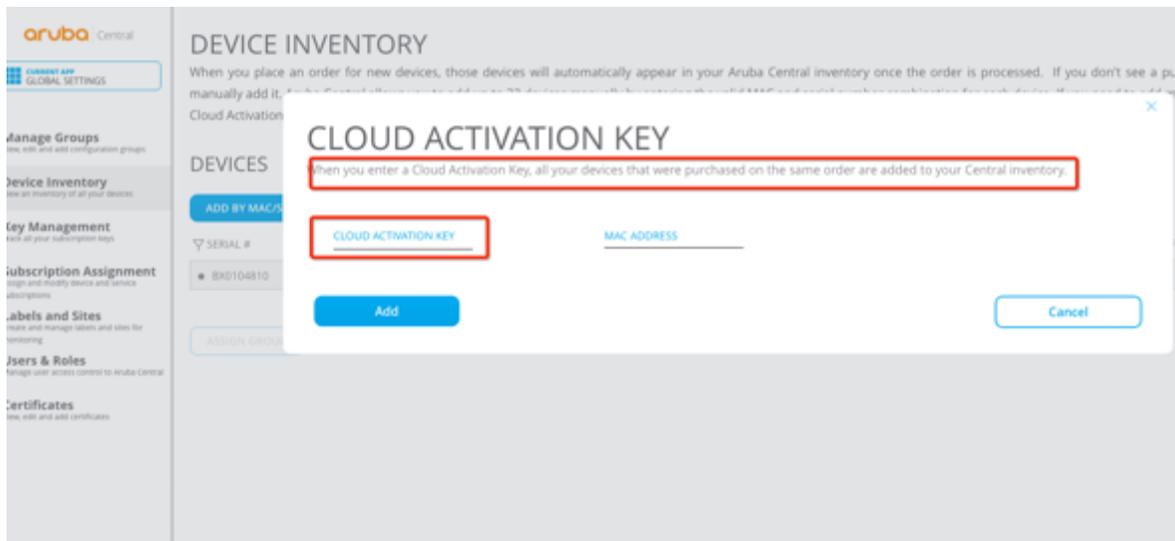
SERIAL NUMBER	MAC ADDRESS
<input type="text"/>	<input type="text"/>

+ 5 more rows

OK

手工输入MAC+SN添加设备信息有最大32台设备的限制

## 2、通过Cloud Activation Key添加



通过Cloud Activation Key添加设备后，同一个订单下的设备会自动同步至Central账号下

Please follow these steps to manually add devices to your Aruba Activate account.

Step 1: Power up your Aruba device and ensure it has internet connectivity.

Step 2: Obtain your Activation ID.

IAP - Log into the Virtual Controller UI and navigate to the Maintenance tab.

MAS - Log into the Console and issue the "show ver" command.

ArubaOSSwitch - Log into the Console and issue the "show activate provision" command.

Controller - Log into the Console and issue the "show activate activation-key" command. Command "activate get-activation-key" fetches the Activation ID if it's not already available. If the box is in factory-default state, the Activation ID is displayed in the auto-provisioning logs on console.

Step 3: Copy the Cloud Activation Key and enter it below along with the MAC address of the Aruba device.

*IAP supported versions: 6.2.1.0-3.3.0.3 and above*

*MAS supported versions: 7.3 and above*

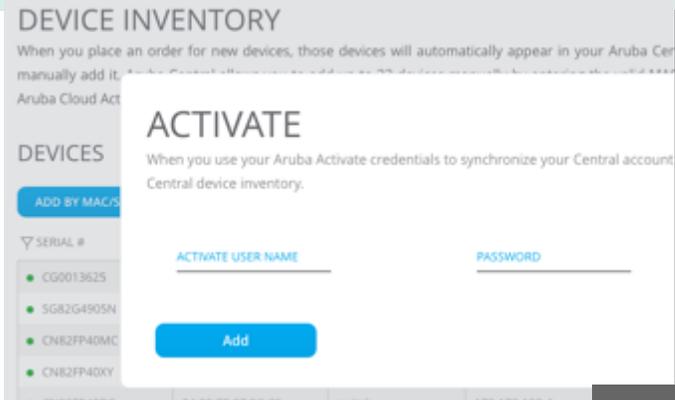
*ArubaOSSwitch supported versions: 16.02.0012 and above*

上图为各类型设备获取Activation Key的方式

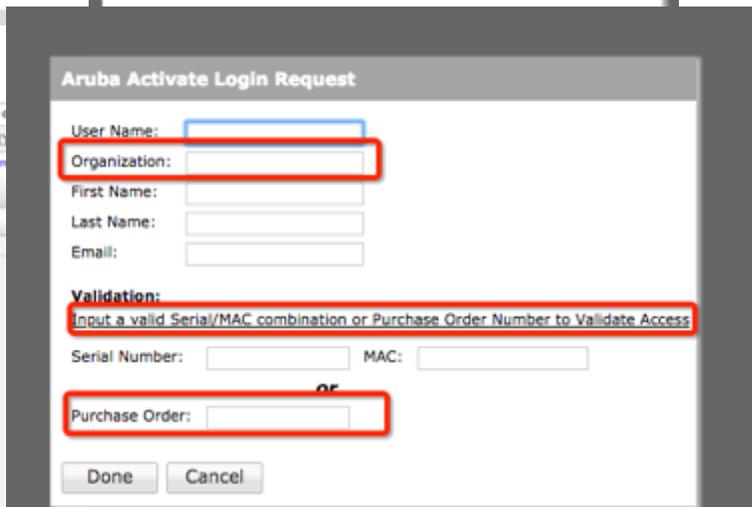
### 3、通过Activate账号添加

<https://activate.arubanetworks.com/registration/>

通过订单号申请Activate账号，Central中添加Active账号后，会自动同步账号中的设备信息



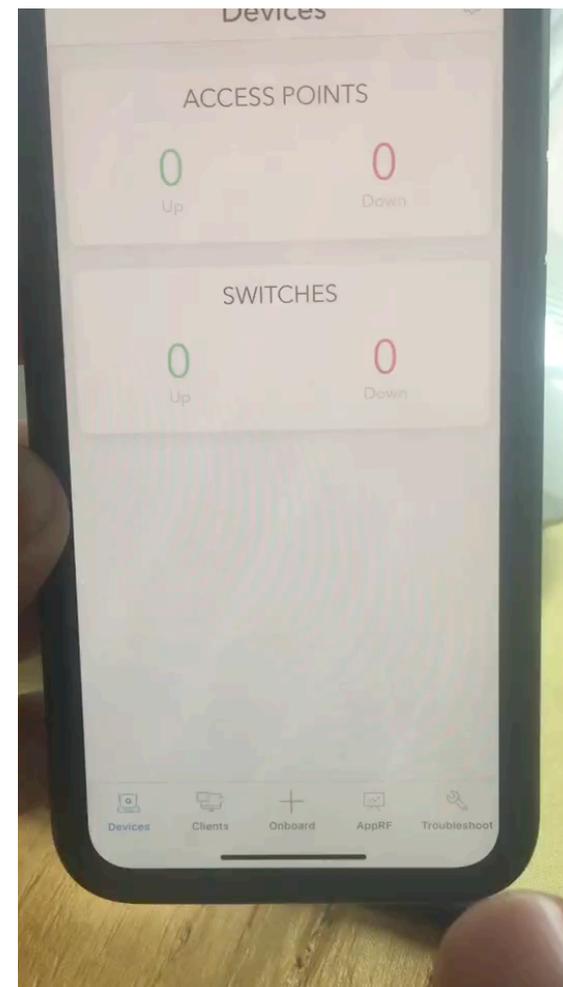
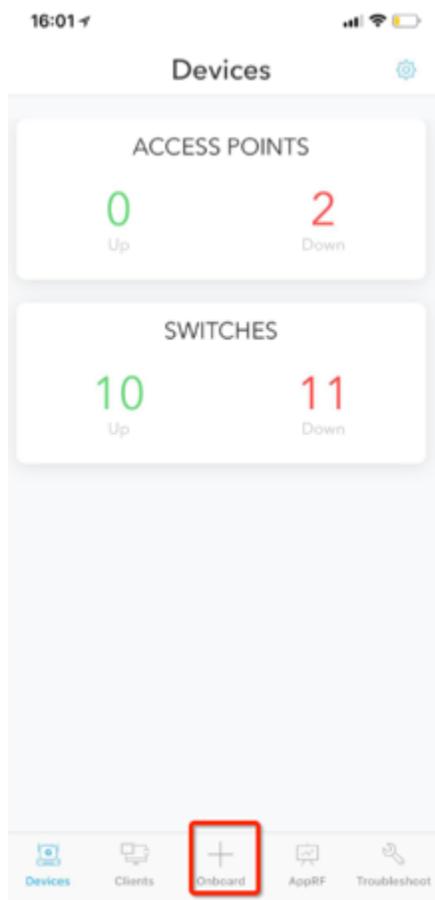
Serial	MAC Address	Status	Part	Part Description	Folder	Firmware	Mode	First Seen	AP/Device	Ship
XY0191204	20-4C-03-0C-F9-00	provisioned	AP-205H	Parent Part Family	ArubaSE	6.5.4.7-6.5.4.7_64552	IAP-VC	11/22/2016 10:19 AM	utubor@hpe.com-la...	--
USP1K2R01D	20-4C-03-23-CB-D0	shipped	71581A	Aruba AP-303H-USF1	ArubaSE	6.5.4.3-6.5.4.3_61959	IAP-VC	2/21/2018 3:02 AM	dan.whitehead@hpe...	--
USDCQ2106Y	20-4C-03-1A-F5-7F	provisioned	71723A	Aruba AP-203RP-USF1	ArubaSE	6.5.4.3-6.5.4.3_61959	IAP-VC	8/13/2017 7:14 AM	timothy.barnhart@h...	8/1/2017
USDCQ2105T	20-4C-03-1A-F5-16	provisioned	71723A	Aruba AP-203RP-USF1	ArubaSE	8.3.0.0-8.3.0.0_64659	IAP-VC	8/2/2017 10:38 PM	aaron.tragle@hpe.c...	7/27/2017
USCBH00TJ	20-4C-03-09-52-F9	shipped	7W293A	IAP-3W8N-USF1	ArubaSE	6.4.2.6-4.1.1.6_50009	IAP-VC	1/28/2017 12:11 AM	gordon.cheng@hpe.c...	11/15/2016
TWFK3P938	80-8D-B7-CD-01-2C	provisioned	J2357A	Aruba AP-535-US	Central-Internal2	8.4.0.0-8.4.0.0_8388...	IAP-VC	5/15/2018 6:15 PM	--	--
SG77GY051	F4-03-43-38-A5-00	provisioned	3L075A	3810	AHoebberg-LEGO2	KB.16.04.0011	MAS-PRJ	8/31/2017 10:25 PM	--	7/20/2017
SG77GY09QX	F4-03-43-3A-D3-00	provisioned	3L075A	3810	AHoebberg-LEGO2	KB.16.04.0011	MAS-PRJ	8/31/2017 10:25 PM	--	7/20/2017
SG76GY208Q	F4-03-43-34-A2-80	shipped	3L076A	3810	BNC	09/12/16 KB.16.02.00...	--	--	--	6/9/2017
SG75GY204R	00-FD-45-76-E5-00	provisioned	3L076A	3810	AHoebberg	KB.16.04.0009	MAS-PRJ	10/19/2017 4:33 PM	--	5/12/2017
SG75GY204B	00-FD-45-76-26-80	provisioned	3L076A	3810	AHoebberg	KB.16.04.0009	MAS-PRJ	10/26/2017 3:16 PM	--	5/12/2017
SG75GY203S	00-FD-45-76-F5-80	provisioned	3L076A	3810	AHoebberg	KB.16.04.0009	MAS-SUB	10/19/2017 4:33 PM	--	5/12/2017
SG74JQ208P	F4-03-43-06-F7-40	provisioned	3L322A	2930M-128	AHoebberg	KB.16.05.0003	MAS-PRJ	11/8/2017 4:41 PM	--	--
SG74GY200B	00-FD-45-71-1A-80	provisioned	3L076A	3810	Kamel-CHERIF	KB.16.05.0003	MAS-PRJ	8/1/2017 6:11 PM	--	7/25/2017
SG74GY206T	00-FD-45-72-33-00	provisioned	3L076A	3810	JoshTriv	KB.16.05.0004	MAS-PRJ	8/30/2017 3:57 AM	--	4/20/2017
SG74GY206M	00-FD-45-71-89-80	provisioned	3L076A	3810	AHoebberg-LEGO1	KB.16.05.0004	MAS-PRJ	8/23/2017 11:51 PM	--	4/28/2017
SG68LUXTX	94-18-82-A3-C4-40	shipped	39727A	Aruba 2920 24G PoE+ Switch	ArubaSE	WB.16.06.0006	SWITCH	12/5/2016 4:38 AM	--	--
SG66G949F	1C-98-EC-E5-0F-00	provisioned	39821A	Aruba S406R x2 Switch	ArubaSE	KB.16.03.0004	MAS-PRJ	10/29/2016 4:44 AM	--	--
SG65G237E	1C-98-EC-9A-07-00	provisioned	3L076A	3810	ArubaSE	KB.16.03.0004	MAS-PRJ	1/10/2017 9:39 PM	--	--



## 4、通过Central APP进行注册添加

这种添加方式没有32个设备的数量限制，但只限于苹果终端

观看操作视频



# 在Central平台对设备进行授权

# Central授权的添加

The screenshot shows the Aruba Central interface for Key Management. On the left is a navigation sidebar with options like 'Manage Groups', 'Device Inventory', 'Key Management', 'Subscription Assignment', 'Labels and Sites', 'Users & Roles', and 'Certificates'. The main content area is titled 'KEY MANAGEMENT' and includes a 'MANAGE KEYS' section with a table of subscription keys. Below the table is an 'Add Key' button, which is highlighted with a red box and a green arrow pointing to a modal window titled 'Enter Your Subscription Key'. The modal window contains a text input field and 'Activate' and 'Cancel' buttons.

KEY NUMBER	TYPE	EXPIRATION DATE	QUANTIT
ETVCY4XFTNA7SJQG	Service	10/20/2018	20
EPDC7NHCOQRKXL7U	Device	10/20/2018	5
EZM5GUS7F2HOSGEK	Device	10/20/2018	5
EA27CHDQUMFAHGEC	Foundation-70XX	10/20/2018	10
EFXRV3T59YFJKXQJ	Foundation-72XX	10/20/2018	2

0 Assigned Device Subscriptions

- 0 IAP
- 0 Switches

10 Available Device Subscriptions

每一个账号默认有10个设备管理授权，20个service授权，10个防火墙管理授权，90天有效期。  
正式购买授权通过 Add key添加

# 正式购买的授权会通过邮箱发送



## License Entitlement Certificate

Please **keep this document** for future reference and as proof of your License To Use.

Certificate Issue Date:  
15-May-18

Aruba Central Device Sub  
E-STU

To activate your subscription key, go to:

**New Aruba Central Customers:**  
[https://portal.central.arubanetworks.com/global\\_signup/v1/signup](https://portal.central.arubanetworks.com/global_signup/v1/signup)

**Existing Aruba Central Customers:**  
<http://portal.central.arubanetworks.com/>

Product Number: [REDACTED]



### Subscription Key

[REDACTED]YDAG

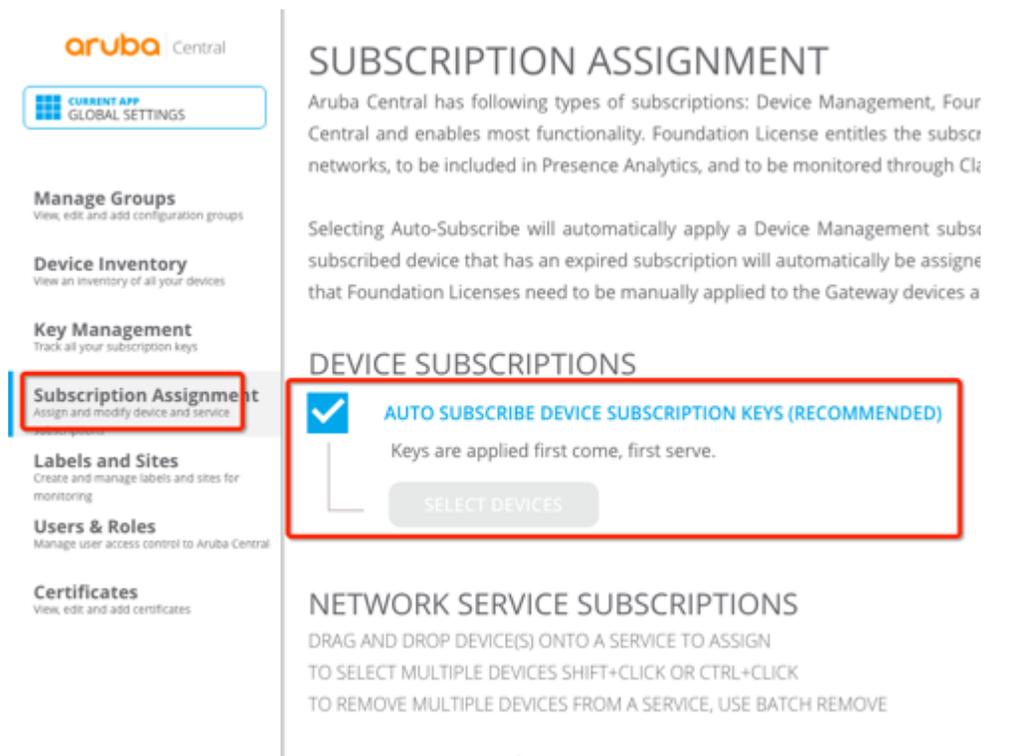
**IMPORTANT:**  
Please activate your license within  
30 days of the Certificate Issue Date

注意需要在收到证书邮件30天之内在Central内激活

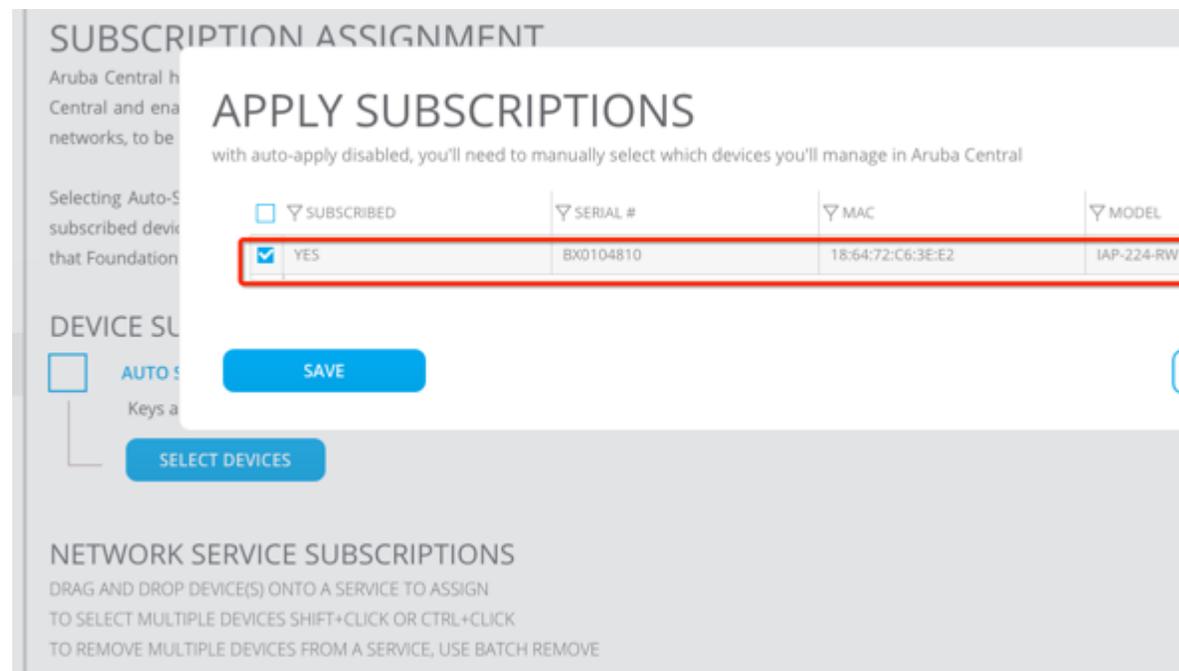
# 设备管理DM License的两种授权方式（自动授权和手动授权）

自动授权采用先到先得的机制，先上线的设备自动先获取授权

手动授权可自定义选择需要授权或者解除授权的设备



The screenshot shows the Aruba Central interface for 'SUBSCRIPTION ASSIGNMENT'. The left sidebar contains navigation options: Manage Groups, Device Inventory, Key Management, Subscription Assignment (highlighted with a red box), Labels and Sites, Users & Roles, and Certificates. The main content area is titled 'SUBSCRIPTION ASSIGNMENT' and explains that Aruba Central has different subscription types. Under 'DEVICE SUBSCRIPTIONS', the 'AUTO SUBSCRIBE DEVICE SUBSCRIPTION KEYS (RECOMMENDED)' option is selected with a blue checkmark. Below this option is a 'SELECT DEVICES' button.

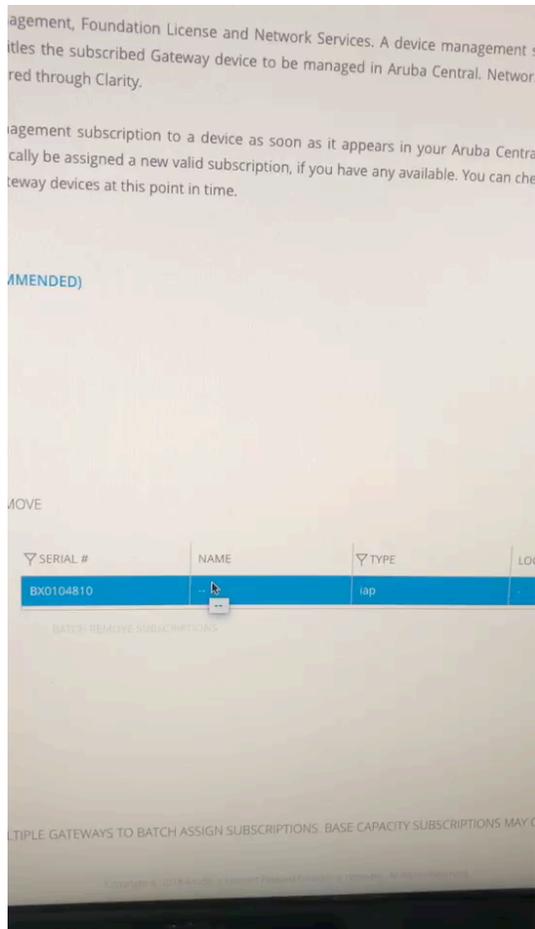


The screenshot shows the 'APPLY SUBSCRIPTIONS' interface in Aruba Central. It features a table with columns for 'SUBSCRIBED', 'SERIAL #', 'MAC', and 'MODEL'. A red box highlights the first row, which has 'YES' in the 'SUBSCRIBED' column, 'BX0104810' in the 'SERIAL #' column, '18:64:72:C6:3E:E2' in the 'MAC' column, and 'IAP-224-RW' in the 'MODEL' column. Below the table, there are 'SAVE' and 'SELECT DEVICES' buttons.

<input type="checkbox"/> SUBSCRIBED	SERIAL #	MAC	MODEL
<input checked="" type="checkbox"/> YES	BX0104810	18:64:72:C6:3E:E2	IAP-224-RW

# 业务授权Service license以及防火墙Fnd License的授权方式

可手动选择哪些设备需要Enable哪些业务授权（拖拽操作）



防火墙授权需要手动选择防火墙设备，然后Assign Fnd授权

（注：目前SD-Branch还是由DM授权控制，但后续的版本很快升级后将由Fnd授权控制）

The screenshot shows the 'NETWORK SERVICE SUBSCRIPTIONS' section of the Aruba Central interface. It includes a 'SELECT DEVICES' button and instructions: 'DRAG AND DROP DEVICES ONTO A SERVICE TO ASSIGN TO SELECT MULTIPLE DEVICES SHIFT+CLICK OR CTRL+CLICK TO REMOVE MULTIPLE DEVICES FROM A SERVICE, USE BATCH REMOVE'. Below this is a table with columns for 'SUBSCRIPTIONS', 'DEVICES', 'SERIAL #', 'NAME', 'TYPE', 'LOCATION', and 'SERVICES'. A 'DRAG & DROP' icon is visible between the subscription and device tables.

SUBSCRIPTIONS	DEVICES	SERIAL #	NAME	TYPE	LOCATION	SERVICES
ALL DEVICES	159	CG0013625	HFESS-GuestGateway-F1...	bob	Hefei, China	0
NO SUBSCRIPTIONS	155	3GB2G4905N	HFESS-SW08-Core-F1DC	switch	Hefei, China	0
Clarity	3	CN82FP48MC	HFESS-SW07-ACCESS-F7	switch	Hefei, China	0
Cloud Guest	1	CN82FP48XY	HFESS-SW06-ACCESS-F6	switch	Hefei, China	0
Presence Analytics	3	CN82FP48BC	HFESS-SW05-ACCESS-F5	switch	Hefei, China	0
		CNF2K251NW	HFESS-AP097-L07-R701	lap	Hefei, China	0
		CN82FP48X8	HFESS-SW03-ACCESS-F3	switch	Hefei, China	0
		CN82FP4840	HFESS-SW02-ACCESS-F2	switch	Hefei, China	0

20 TOTAL SUBSCRIPTIONS  
13 AVAILABLE

BATCH REMOVE SUBSCRIPTIONS 159 Devices

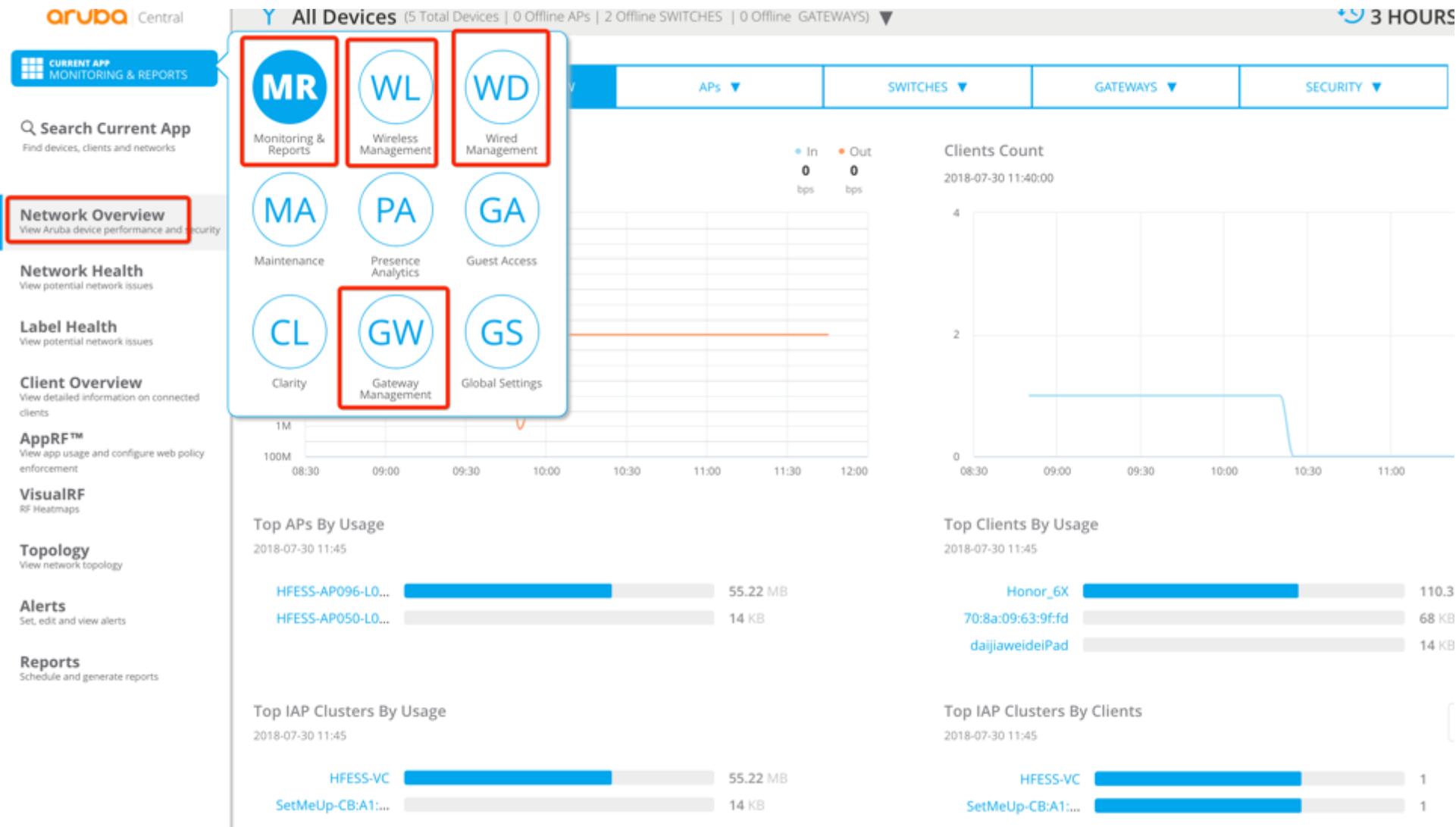
**GATEWAY SUBSCRIPTIONS**  
DEVICE ASSIGNMENT  
ASSIGN SUBSCRIPTIONS TO YOUR GATEWAYS HERE. SELECT MULTIPLE GATEWAYS TO BATCH ASSIGN SUBSCRIPTIONS. BASE CAPACITY SUBSCRIPTIONS MAY ONLY BE APPLIED TO MODEL 7005 GATEWAYS.

ASSIGNMENT	SERIAL NUMBER	MAC ADDR	MODEL	GROUP
UNASSIGNED	CG0013625	00:08:86:DE:7A:80	7010-RW	Anhui Hefei ShuShan HolidayInn
UNASSIGNED	CG0013842	00:08:86:DE:8E:00	7010-RW	
Foundation				

2 Devices

# 防火墙、交换机、AP在Central的上线过程 及配置下发

# Central基本操作-Dashboard仪表盘



展示设备状态

整体用户数量

整体带宽使用率

# 一、SD-Branch如何上云及如何云端配置

- 1、手动将SD-Branch的版本升级至ArubaOS\_70xx\_8.1.0.0-1.0.0.0\_65602  
下载地址：链接：<https://pan.baidu.com/s/190UeoaUCwEOyJHUnTgn1Iw>  
密码：wvid

版本导入后，Write erase all，保证设备默认出厂设置启动

- 2、将SD Branch的设备序列号及Mac地址导入Central
- 3、IHG目前主要用到的防火墙型号为7010和7030，7010最大并发用户2K，7030最大4K

The image shows two screenshots of the Aruba Central web interface. The left screenshot displays the 'DEVICE INVENTORY' page with a table of devices. The right screenshot shows the 'ADD DEVICES' form with input fields for serial numbers and MAC addresses.

**Aruba Central - DEVICE INVENTORY**

When you place an order for new devices, those devices will automatically appear in your Aruba Central inventory. If you need to add more than 32 devices, you can use the Aruba Cloud Activation Key to do so.

**DEVICES**

SERIAL #	MAC	TYPE	IP	NAME	LABELS
● CNF2K2S15X	24:F2:7F:CB:A1:B2	iap	10.14.10.158	HFESS-AP050-L03-...	0
● CNF2K2S21R	24:F2:7F:CB:A8:32	iap	10.14.10.157	HFESS-AP096-L06-...	0
● CNDGK2S232	44:48:C1:CB:E1:1C	iap	192.168.40.6	44:48:c1:cb:e1:1c	0
● CNDFK2S5TF	44:48:C1:CB:B6:BC	iap	10.64.32.23	test	0
● CU0206278	94:B4:0F:CE:F7:9A	iap	192.168.40.7	94:b4:0f:ce:f7:9a	0
● CN78FP49FR	94:F1:28:4D:75:C0	switch	10.64.32.25	HP-2530-24G-PoEP	0
● CN78HL22V7	F4:03:43:F5:25:C0	switch	--	--	0
● SG71GPT05H	00:FD:45:38:E2:00	switch	10.64.32.15	HP-Switch-5406RzI2	0
● CNF5J5S0YL	24:F2:7F:CB:14:A2	iap	--	--	0
● CG0013842	00:0B:86:DE:8E:00	controller/Gate...	10.14.10.254	HFESS-GW1	0

**Aruba Central - ADD DEVICES**

Central supports adding up to 32 total devices manually.

ADD BY SERIAL NUMBER / MAC ADDRESS

+ 5 more rows

OK

# SD-Branch如何上云及如何云端配置

## 3、在云端对SD-Branch进行授权

授权有两种模式，自动授权和手动授权，自动授权采用授权先到先得的机制，只要系统里已经添加了license，设备只要一上线，会自动给予授权。手动授权需要手工选择设备进行授权，如图2

The screenshot displays the Aruba Central interface for managing subscriptions. On the left, a sidebar contains navigation options: Manage Groups, Device Inventory, Key Management, Subscription Assignment (highlighted), Labels and Sites, Users & Roles, and Certificates. The main content area is divided into two sections: 'DEVICE SUBSCRIPTIONS' and 'NETWORK SERVICE SUBSCRIPTIONS'. The 'DEVICE SUBSCRIPTIONS' section has a red box around the 'AUTO SUBSCRIBE DEVICE SUBSCRIPTION KEYS (RECOMMENDED)' option, which is checked. Below it, a 'SELECT DEVICES' button is visible. The 'NETWORK SERVICE SUBSCRIPTIONS' section includes a table with columns for SUBSCRIPTIONS and DEVICES. The 'DEVICES' table has columns for SERIAL #, NAME, TYPE, and LOCATION. A 'DRAG AND DROP' icon is positioned between the two tables. The 'Subscription Assignment' section on the right is also highlighted with a red box. Below it, the 'APPLY SUBSCRIPTIONS' dialog is open, showing a table with columns for SUBSCRIBED, SERIAL #, MAC, and MODEL. A red box highlights the row for SERIAL # CG0013842, MAC 00:0B:86:DE:8E:00, and MODEL 7010-RW, which is selected. The dialog includes 'SAVE' and 'CANCEL' buttons.

SUBSCRIPTIONS	DEVICES
ALL DEVICES	10
NO SUBSCRIPTIO...	9
Clarity	1
Cloud Guest	1
Presence Analytics	1

SERIAL #	NAME	TYPE	LOCATION
CNF2K2515X	HFESS-AP050-L03-R3...	lap	Hefei, China
CNF2K2521R	HFESS-AP096-L06-R6...	lap	Hefei, China
CNDGK25232	44:48:c1:cb:e1:1c	lap	-
CNDFK255TF	test	lap	-
CU0206278	94:b4:0f:ce:f7:9a	lap	-
CN78FP49FR	HP-2530-24G-PoEP	switch	-
CN78HL22V7	--	switch	-
SG71GPT05H	HP-Switch-5406Rz12	switch	-

SUBSCRIBED	SERIAL #	MAC	MODEL	
<input type="checkbox"/>	NO	CNDGK25232	44:48:C1:CB:E1:1C	AP-203H-RW
<input type="checkbox"/>	NO	CNDFK255TF	44:48:C1:CB:B6:BC	AP-203H-RW
<input type="checkbox"/>	NO	CU0206278	94:B4:0F:CE:F7:9A	IAP-103-RW
<input checked="" type="checkbox"/>	YES	CN78FP49FR	94:F1:28:4D:75:C0	2530VA(J9773A)
<input checked="" type="checkbox"/>	YES	CN78HL22V7	F4:03:43:F5:25:C0	2930F(JL261A)
<input checked="" type="checkbox"/>	YES	SG71GPT05H	00:FD:45:38:E2:00	5400R(JL002A)
<input type="checkbox"/>	NO	CNF2K2515X	44:48:C1:CB:E1:1C	AP-203H-RW
<input checked="" type="checkbox"/>	YES	CG0013842	00:0B:86:DE:8E:00	7010-RW

# SD-Branch如何上云及如何云端配置

- 4、 上线分两种情况：  
动态地址及静态公网IP，如果SD-Branch位于公网出口，连接运营商线路，是分配的动态上网地址，SD-Branch启动后会执行ZTP操作，默认从vlan 4094获取地址，和Aruba Activate以及aruba central通信，最后在central上线

静态公网IP。需要SD-Branch启动后，进入wizard向导模式，手工配置SD-Branch IP地址及掩码网关DNS。  
注：SD-Branch必须为出厂设置启动后才可以与Central建议连接，除了Static-Activate外，不可以有任何本地配置。

```
Aruba Networks
ArubaOS Version 8.5.4.7 (build 64352 / label #64352)
Built by p4buildmgr-hip-build07 on 2018-04-21 at 18:55:09 UTC (gcc version 4.4.5)
(c) Copyright 2018 Hewlett Packard Enterprise Development LP.

Welcome to Aruba Networks - Aruba A7918

[05:13:39]:Probing for EEPROM devices [ OK ]
[05:18:00]:Probing for real-time clock [ OK ]
[05:18:00]:Initializing LCD module [ OK ]
[05:18:00]:Uncompressing core image files [ OK ]
[05:18:48]:Extracting cores [ OK ]

[05:18:42]:Enabling watchdog [ OK ]
[05:18:42]:Starting device manager

Performing eMMC Flash fast test... [ DONE ]
[ OK ]
[05:18:43]:Mounting flash [ OK ]
[05:18:44]:Initializing 312MB as swap on zRAM [ OK ]
[05:18:46]:Turning swap ON on zRAM [ OK ]
PoE Firmware [ OK ]
[05:18:32]:Checking system inventory [ OK ]
[05:18:32]:Installing ancillary FS [ OK ]
Performing integrity check on ancillary partition 0 [ OK ]
Running Startup script from /flash [ OK ]

[05:18:54]:Reboot Cause: User reboot (Intentional:register 78:06:58:00)
[05:18:54]:Starting syslog service [ OK ]
[05:18:56]:Deleting the Databases [ OK ]
[05:18:56]:Restoring the database [ OK ]
[05:17:00]:Generating SSH keys [ OK ]
[05:17:00]:Initializing TPM and certificates [ OK ]
[05:17:25]:Checking for configuration upgrade [ OK ]
[05:17:27]:rcs Done(89 sec)

[05:17:27]:Starting OS services [ OK ]

Starting auto provisioning
Using port gigabitethernet 0/0/15 for auto provisioning
Initiated DHCP, awaiting DHCP response

Auto-provisioning is in progress. Choose one of the following options to override or debug...
'enable-debug' : Enable auto-provisioning debug logs
'disable-debug' : Disable auto-provisioning debug logs
'static-activate' : Provides customization for static or PPPoE ip assignment. Uses activate for master information
'mini-setup' : Stop auto-provisioning and start mini setup dialog for branch role
'full-setup' : Stop auto-provisioning and start full setup dialog for any role
Enter Option (partial string is acceptable): static-activate
Enter Uplink Vlan IP assignment method (static|pppoe): static
Enter Uplink Vlan Static IP address: 36.7.188.30
Enter Uplink Vlan Static IP netmask: 255.255.255.0
Enter IP default gateway: 36.7.188.1
Enter DNS IP address: 202.103.39.2

Auto-provisioning is in progress. Choose one of the following options to override or debug...
'enable-debug' : Enable auto-provisioning debug logs
'disable-debug' : Disable auto-provisioning debug logs
'static-activate' : Provides customization for static or PPPoE ip assignment. Uses activate for master information
'mini-setup' : Stop auto-provisioning and start mini setup dialog for branch role
'full-setup' : Stop auto-provisioning and start full setup dialog for any role
Enter Option (partial string is acceptable):
Operation may not take effect until a reboot

curl: (6) Couldn't resolve host 'device.arubanetworks.com'
Provisioning Parameters not received from Activate, will retry after 30 seconds
curl: (6) Couldn't resolve host 'device.arubanetworks.com'
Provisioning Parameters not received from Activate, will retry after 30 seconds
```

# SD-Branch上线后进行云端配置

## 5、将SD-Branch从默认分组加入我们配置的分组

**aruba** Central

CURRENT APP GLOBAL SETTINGS

**Manage Groups**  
View, edit and add configuration on 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
<b>ALL CONNECTED DEVICES</b>	<b>8</b>
<b>UNASSIGNED DEVICES</b>	<b>1</b>
Anhui-Hefei-ShuShan-HolidayInn	3
default	4
TG template	0

+ New Group 3 Group(s)  
Clone Selected Group

NAME	LOCATION	TYPE	SERIAL #	MAC ADDR
<b>HFESS-GW1</b>		<b>MC</b>	<b>CG0013842</b>	<b>00:0b:86:de:8e:00</b>
HFESS-VC	Hefei,China	VC	CNF2K2521R	24:f2:7f:cb:a8:32
HP-2530-24G-PoEP	,	HPPC	CN78FP49FR	94:f1:28:4d:75:c0
HP-Switch-5406Rzl2	,	HPPC	SG71GPT05H	00:fd:45:38:e2:00
IHG-InternalCentr...	,	VC	CU0206278	94:b4:0f:ce:f7:9a
SetMeUp-CB:A1:B2	Hefei,China	VC	CNF2K2515X	24:f2:7f:cb:a1:b2
SetMeUp-CB:B6:BC	,	VC	CNDFK255TF	44:48:c1:cb:b6:bc
SetMeUp-CB:E1:1C	,	VC	CNDGK25232	44:48:c1:cb:e1:1c

+ Import Configuration to New Group 8 Device(s)

# Central基本操作 – 防火墙管理及云端

1、选择Gateway管理模块

The screenshot shows the Aruba Central interface for Gateway Management. The 'CURRENT APP' is 'GATEWAY MANAGEMENT'. A grid of modules is displayed, with 'GM' (Gateway Management) highlighted with a red box. Other modules include MR (Monitoring & Reports), WL (Wireless Management), WD (Wired Management), MA (Maintenance), PA (Presence Analytics), GA (Guest Access), CL (Clarity), and GS (Global Settings). The interface also shows sections for Port Channel, WAN, VPN, Routing, Security, System, and High Availability.

aruba Central

FILTER GATEWAY MANAGEMENT  
IHG-HeFei-GuestGateway (1 Total Devices | 0 Down APs | 0 Down SWITC

CURRENT APP  
GATEWAY MANAGEMENT

Search Current App  
Find devices, clients and networks

Interfaces  
Set Interfaces, DHCP, NAT parameters

WAN  
Set uplink, path steering policies

VPN  
Set IPsec encryption parameters

Routing  
Set routing parameters

Security  
Set advanced security parameters

System  
Manage advanced system settings

High Availability  
Set redundancy parameters

aruba  
a Hewlett Packard  
Enterprise company

2、选择需要配置的分组或防火墙设备，配置可以基于分组也可以基于设备，建议除了hostname和system ip，其它基于分组进行配置

The screenshot shows the Aruba Central interface for Gateway Management, displaying the configuration page for a specific gateway. The 'CURRENT APP' is 'GATEWAY MANAGEMENT'. The interface shows a search bar, a list of groups, and a table of gateways. The 'GATEWAYS' section is highlighted with a red box, showing a table with columns for interface, status, and mode.

aruba Central

FILTER GATEWAY MANAGEMENT  
IHG-HeFei-GuestGateway (1 Total Devices | 0 Down APs | 0 Down SWITC

CURRENT APP  
GATEWAY MANAGEMENT

Search Current App  
Find devices, clients and networks

Interfaces  
Set Interfaces, DHCP, NAT parameters

WAN  
Set uplink, path steering policies

VPN  
Set IPsec encryption parameters

Routing  
Set routing parameters

Security  
Set advanced security parameters

System  
Manage advanced system settings

High Availability  
Set redundancy parameters

REFINE FILTER LISTING

GROUPS All Groups (4)

TG 5400CoreSwitch default

Anhui-Hefei-ShuShan-HolidayInn kktest

GATEWAYS

Anhui-Hefei-Shu... | IHG-HeFei-Guest...

INTERFACE	STATUS	MODE	NATIVE VL...
GE-0/0/2	Enabled	access	--
GE-0/0/3	Enabled	access	--
GE-0/0/4	Enabled	access	--
GE-0/0/5	Enabled	access	--

Port Channel

NAME	MEMBERS	PROTOCOL	TRUSTED
------	---------	----------	---------

# Central基本操作 – 防火墙配置下发（接口、VLAN）

The image shows two side-by-side screenshots of the Aruba Central web interface. The left screenshot displays the configuration page for interface GE-0/0/0, and the right screenshot displays the VLAN configuration page.

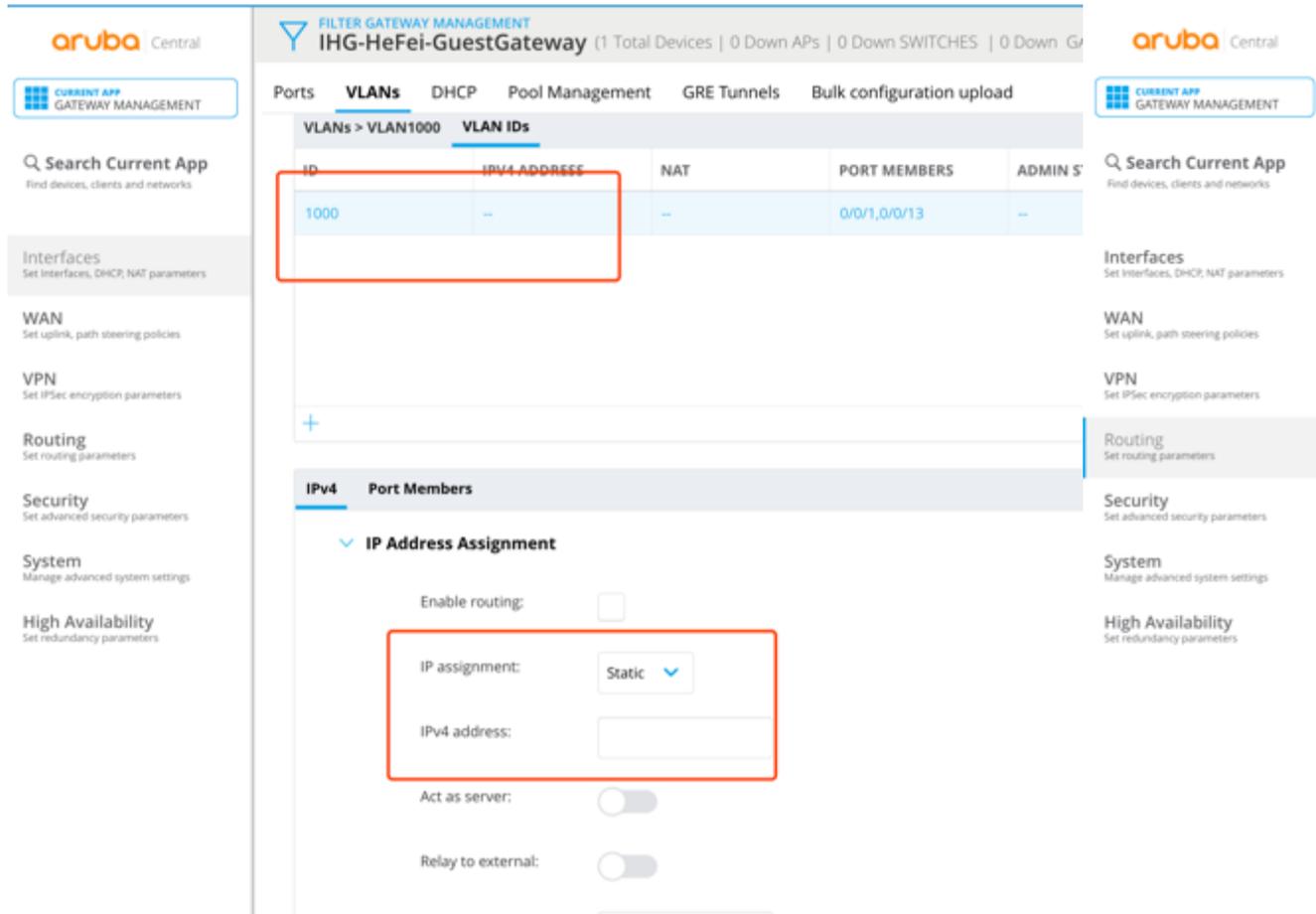
**Left Screenshot: Interface Configuration (GE-0/0/0)**

- Admin state:
- Speed: auto Mbps
- Duplex: auto
- PoE:
- Trust:
- Policy: Not-defined
- Mode: Access
- VLAN: 4094
- VLAN trust:
- VLAN policy: -None-
- Description: GE0/0/0

**Right Screenshot: VLAN Configuration**

NAME	ID(S)
VLAN0002	2
VLAN0088	88
VLAN0500	500
VLAN0999	999
VLAN1000	1000
VLAN1001	1001
+	

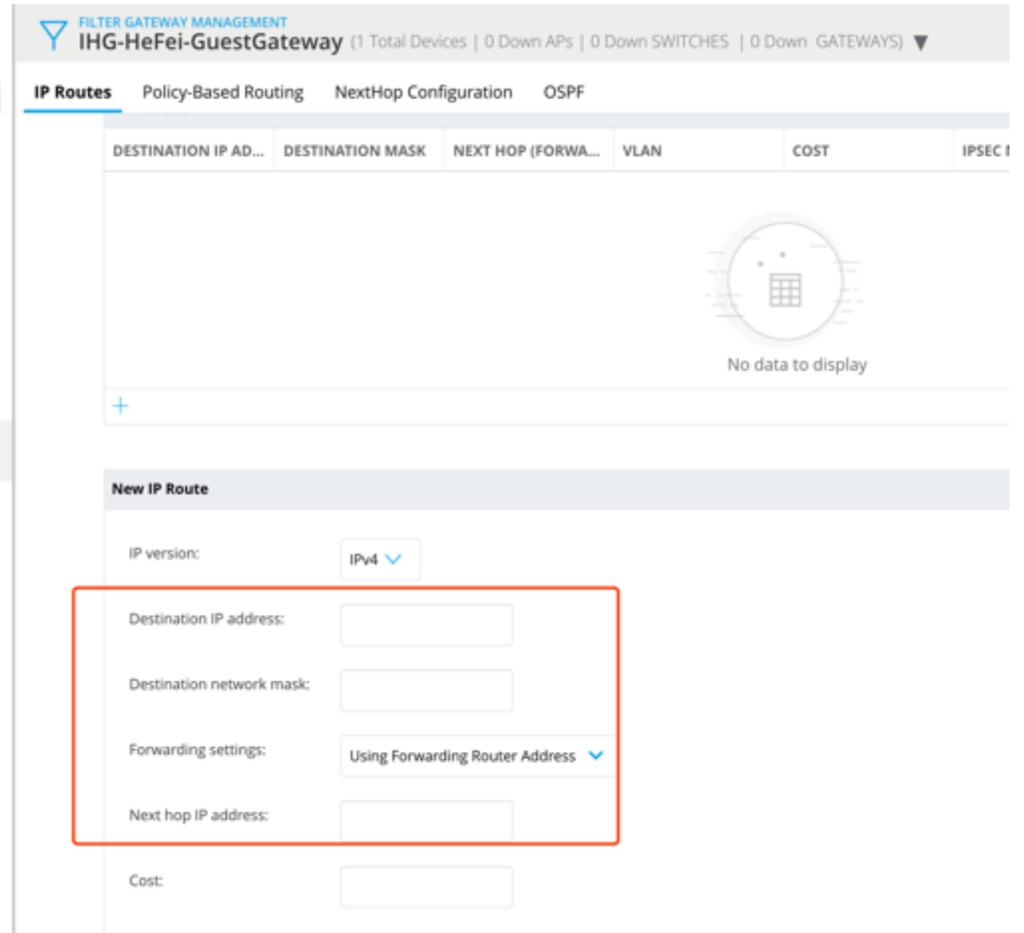
# Central基本操作 – 防火墙配置下发（IP、路由）



The screenshot shows the Aruba Central interface for configuring a firewall. The main content area is titled "FILTER GATEWAY MANAGEMENT" and "IHG-HeFei-GuestGateway". It features a navigation menu on the left with options like "Ports", "VLANs", "DHCP", "Pool Management", "GRE Tunnels", and "Bulk configuration upload". The "VLANs" section is active, showing a table of "VLAN IDs" for "VLAN1000". A red box highlights the table row with the following data:

ID	IPv4 ADDRESS	NAT	PORT MEMBERS	ADMIN S
1000	--	--	0/0/1,0/0/13	--

Below the table, the "IP Address Assignment" section is expanded, showing options for "Enable routing", "IP assignment" (set to "Static"), "IPv4 address" (input field), "Act as server" (toggle), and "Relay to external" (toggle). A red box highlights the "IP assignment" dropdown and the "IPv4 address" input field.



The screenshot shows the Aruba Central interface for configuring IP routes. The main content area is titled "FILTER GATEWAY MANAGEMENT" and "IHG-HeFei-GuestGateway". It features a navigation menu on the left with options like "IP Routes", "Policy-Based Routing", "NextHop Configuration", and "OSPF". The "IP Routes" section is active, showing a table of IP routes. A red box highlights the "New IP Route" section, which includes the following configuration options:

- IP version: IPv4
- Destination IP address: [input field]
- Destination network mask: [input field]
- Forwarding settings: Using Forwarding Router Address
- Next hop IP address: [input field]
- Cost: [input field]

# Central基本操作 – 防火墙配置下发（System IP、主机名、管理员密码）

注：如果防火墙是通过ZTP进行Provision，必须先配置System IP，其它配置才可以下发，否则不生效

The image displays two screenshots of the Aruba Central web interface for configuring a firewall. The left screenshot shows the 'System IP Address' configuration page, where the 'System IP Address' section is expanded to show a list of IP addresses: 'VLAN 1 172.172.100.254', 'VLAN 2 10.14.10.254', and 'VLAN 4094 36.7.188.30'. A red box highlights the 'System' link in the left sidebar. The right screenshot shows the 'Basic Info' configuration page, where the 'Hostname' field is set to 'IHG-HeFei-GuestGatew', and the 'Password for user admin' and 'Retype password' fields are filled with dots. A red box highlights the 'Basic Info' section.

**Left Screenshot: System IP Address Configuration**

- Page Title: FILTER GATEWAY MANAGEMENT | IHG-HeFei-GuestGateway (1 Total Dev)
- Navigation: General | Admin | Certificates | SNMP | Log
- Left Sidebar: aruba Central, CURRENT APP GATEWAY MANAGEMENT, Search Current App, Interfaces, WAN, VPN, Routing, Security, System, High Availability.
- System IP Address Configuration:
  - MAC address: 00:0b:86:de:7a:80
  - IPv4 address:  VLAN 1 172.172.100.254,  VLAN 2 10.14.10.254,  VLAN 4094 36.7.188.30
- System Link: **System** (Manage advanced system settings)

**Right Screenshot: Basic Info Configuration**

- Page Title: FILTER GATEWAY MANAGEMENT | IHG-HeFei-GuestGateway (1 Total Devices | 0 Down APs | 0 Down SWITCHES)
- Navigation: General | Admin | Certificates | SNMP | Logging | Switching
- Basic Info Configuration:
  - Country code: US
  - Hostname: IHG-HeFei-GuestGatew
  - Password for user admin: .....
  - Retype password: .....

# Central基本操作 – 防火墙配置下发（DHCP Server）

The screenshot shows the Aruba Central interface for configuring a DHCP server. The left sidebar contains navigation menus for 'Current App Gateway Management', 'Search Current App', 'Interfaces', 'WAN', 'VPN', 'Routing', 'Security', 'System', and 'High Availability'. The main content area is titled 'Add New Pool Configuration' and includes the following fields and options:

- IP version: IPv4 (selected)
- Pool name: [Empty text field]
- Network IP address: [Empty text field]
- Network IP mask: [Empty text field]
- Default routers: [Empty text field]
- DNS servers: [Empty text field]
- Import from: [Toggle switch]
- DHCP/PPPoE: [Toggle switch]
- Domain name: [Empty text field]
- WINS: [Empty text field]
- Import from: [Toggle switch]
- DHCP/PPPoE: [Toggle switch]

On the right side of the configuration area, there are several navigation options: 'aruba Central', 'CURRENT APP GATEWAY MANAGEMENT', 'Search Current App', and a list of configuration categories: 'Interfaces', 'WAN', 'VPN', 'Routing', 'Security', and 'System'.

The screenshot shows the Aruba Central interface for configuring a DHCP server. The main content area is titled 'DHCP Server' and includes the following options:

- IPv4 DHCP server: [Checked checkbox]

Below the configuration options is a table titled 'Pool Configuration' with the following data:

IP VERSION	NAME	NETWORK	DEFAULT ROUTER
IPv4	vlan_1	172.172.100.0	172.172.100.254
IPv4	vlan_2	10.14.10.0	10.14.10.254

At the bottom of the table, there is a '+' icon to add a new pool configuration.

## 二、交换机如何上云及如何云端配置

1、Central上支持的交换机型号及软件版本如图所示，建议升级至最新版本

软件版本可在如下链接下载

链接: [https://pan.baidu.com/s/14x6SmrgVrTNn\\_-GKBW4zbQ](https://pan.baidu.com/s/14x6SmrgVrTNn_-GKBW4zbQ)

密码: hchd

Switch Platform	Supported Software Versions
Aruba 2930M Switch Series	WC.16.04.0004 or later
Aruba 2920 Switch Series	WB.16.03.0003 or later
Aruba 2930F Switch Series	WC.16.03.003 or later
Aruba 3810 Switch Series	KB.16.03.0003 or later
Aruba 5400R Switch Series	KB.16.04.0008 or later
Aruba 2530 Switch Series	YA/YB.16.04.0008 or later
Aruba 2540 Switch Series	YC.16.03.003 or later
Aruba Mobility Access Switch Series <ul style="list-style-type: none"><li>■ S1500-12P</li><li>■ S1500-24P</li><li>■ S2500-24P</li><li>■ S3500-24T</li></ul>	ArubaOS 7.3.2.6 ArubaOS 7.4.0.3 ArubaOS 7.4.0.4 ArubaOS 7.4.0.5 ArubaOS 7.4.0.6

# 交换机如何上云及如何云端配置

## 2、手动导入更新交换机证书

证书文件digi-cert.txt与软件版本均在以下链接

链接: [https://pan.baidu.com/s/14x6SmrgVrTNn\\_-GKBW4zbQ](https://pan.baidu.com/s/14x6SmrgVrTNn_-GKBW4zbQ) 密码: hchd

证书导入命令

```
(config)# crypto pki ta-profile digi-cert
```

```
(config)# copy tftp ta-certificate digi-cert x.x.x.x digi-cert.txt
```

请注意，目前新下单的交换机不需要导入证书这一步也可直接上线。

不确定的情况下，可以先尝试自动上线，不行的话再导入证书

## 3、将交换机MAC+SN信息导入Central并进行授权

## 4、交换机重启, 端口接入Internet, 一段时间后Central上可看到交换机上线

(常用debug 命令)

Show crypto pki ta-profile 查看证书是否导入

Show aruba-central detail查看交换机与central的连接状态

aruba-central disable 关闭交换机连接central的模式, 该模式下允许本地配置

Aruba-central enable 开启交换机连接central的模式, 交换机在central上线后, 不允许本地配置

Table with 5 columns: NAME, GROUP, IP ADDRESS, AVG USAGE, LABELS. It lists 7 switches under the group 'HFESS-Switches'.

NAME	GROUP	IP ADDRESS	AVG USAGE	LABELS
HFESS-SW01-ACCESS-F1	HFESS-Switches	172.172.100.6	466 kbps	
HFESS-SW02-ACCESS-F2	HFESS-Switches	172.172.100.8	65 kbps	
HFESS-SW03-ACCESS-F3	HFESS-Switches	172.172.100.5	6 mbps	
HFESS-SW05-ACCESS-F5	HFESS-Switches	172.172.100.4	5 mbps	
HFESS-SW06-ACCESS-F6	HFESS-Switches	172.172.100.2	178 kbps	
HFESS-SW07-ACCESS-F7	HFESS-Switches	172.172.100.10	76 kbps	
HFESS-SW08-Core-F1DC	HFESS-Switches	172.172.100.7	114 mbps	

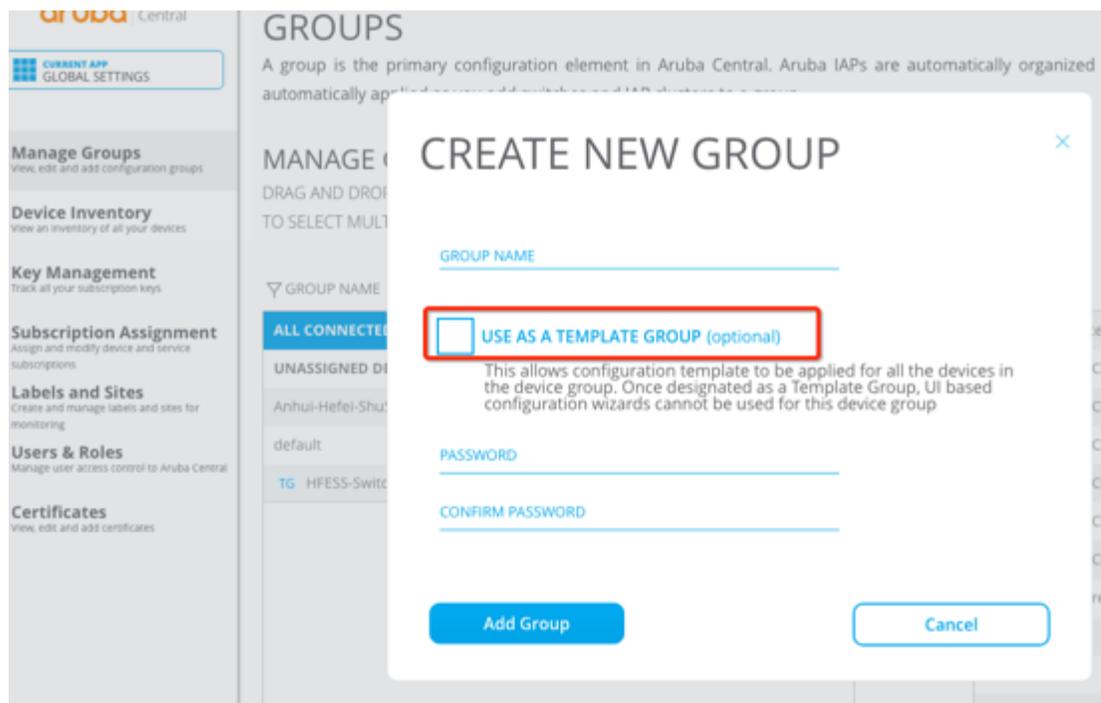
# 交换机如何上云及如何云端配置

5、交换机上线后，加入预设的配置分组。

此处创建分组时需要注意，Central上有两类分组，UI分组和TG分组（TG即template group模板分组）

UI分组下，所有配置必须基于WEB UI界面进行配置，TG分组下，所有配置必须基于模板进行配置（或者本地命令行配置）

5400核心交换机目前强制必须加入TG分组，不支持UI分组进行配置，因此目前我们将所有交换机都加入一个TG分组进行配置  
S1500只支持加入UI组



## GROUPS

A group is the primary configuration element in Aruba Central. Aruba IAPs are automatically organized into clusters, which allows IAPs to work 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

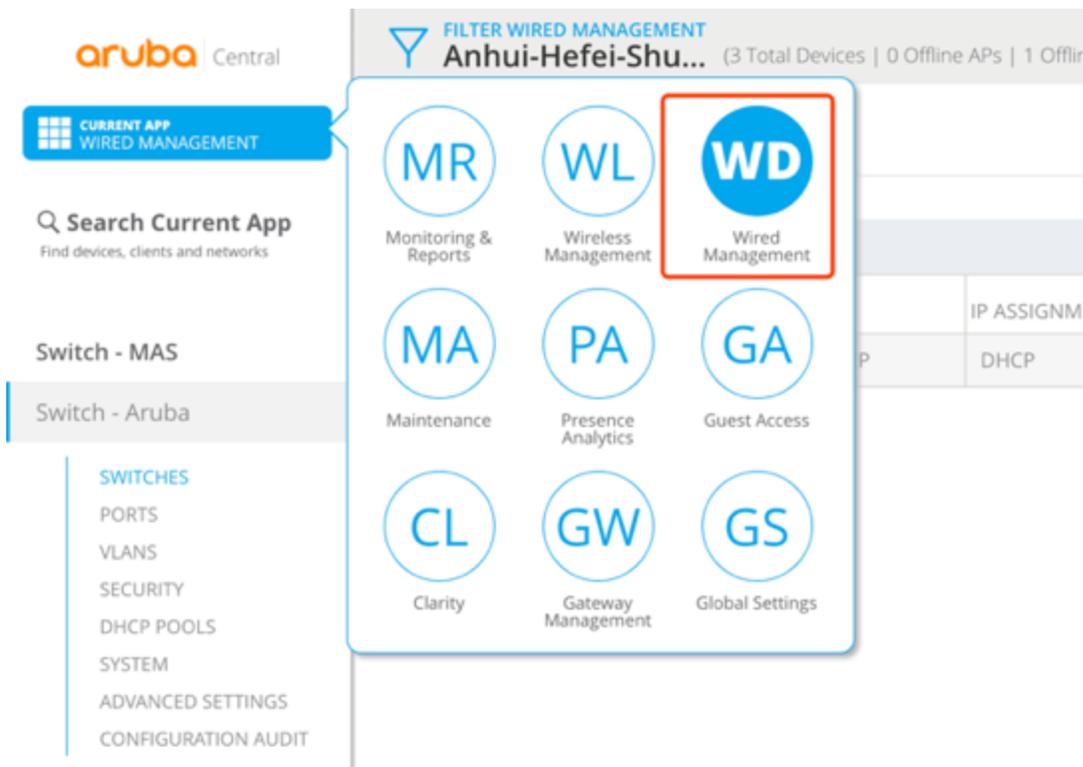
GROUP NAME	DEVICES
ALL CONNECTED DEVICES	146
UNASSIGNED DEVICES	0
Anhui-Hefei-ShuShan-HolidayInn	139
default	0
TG HFESS-Switches	7

NAME	LOCATION	TYPE
HFESS-GuestGateway-...	Hefei,China	MC
HFESS-SW01-ACCESS-F1	Hefei,China	HPPC
HFESS-SW02-ACCESS-F2	Hefei,China	HPPC
HFESS-SW03-ACCESS-F3	Hefei,China	HPPC
HFESS-SW05-ACCESS-F5	Hefei,China	HPPC
HFESS-SW06-ACCESS-F6	Hefei,China	HPPC
HFESS-SW07-ACCESS-F7	Hefei,China	HPPC
HFESS-SW08-Core-F1DC	Hefei,China	HPPC

# 交换机如何上云及如何云端配置

6、加入配置分组后，交换机本地执行aruba-central disable命令，然后做本地配置。

配置完成后，执行aruba-central enable命令，配置完成后的交换机在central上重新上线



# 交换机堆叠 (2930F 5406支持VSF)

命令:

Step 1

Add ports to the VSF link

Enable vsf and assign a domain

```
(config)# vsf member 1 link 1 A1
```

```
(config)# vsf enable domain 1
```

Switch will reboot and become “member 1”. Port A1 is added to vsf link 1.

Step 2

Verify 2nd switch is in factory default

Connect 2nd switch to the vsf-port on 1st switch

The 2nd switch will automatically enable VSF and add the connected port to a VSF link

# 三、AP如何上云及如何云端配置

## Central上支持的AP型号及版本

### Supported Instant AP Platforms

The current release of Central supports the following Instant AP platforms:

- AP-303H
- AP-203H
- AP-203R/ AP-203RP
- AP-365
- AP-367
- IAP-304/305
- IAP-207
- IAP-334/335
- IAP-314/315
- IAP-324/325
- IAP-277
- IAP-228
- IAP-205H
- IAP-103
- IAP-114/115
- IAP-204
- IAP-205
- IAP-214/215
- IAP-274/275
- IAP-224/225
- RAP-3WNP
- RAP-108/109
- RAP-155/155P
- IAP-175
- IAP-134/135
- IAP-104
- IAP-105
- IAP-92/93

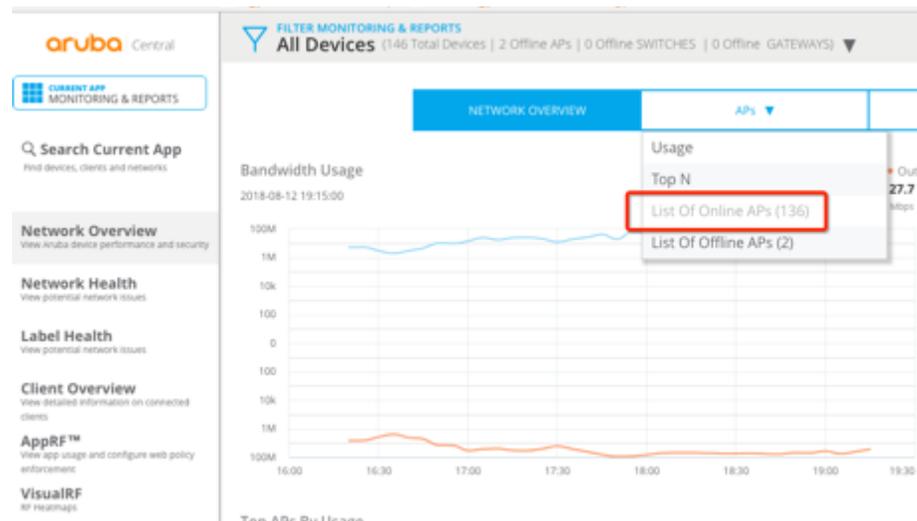
The current release of Central supports only the following Instant AP firmware versions:

- 8.3.0.1
- 8.3.0.0
- 6.5.4.7
- 6.5.4.6
- 6.5.4.5
- 6.5.4.4
- 6.5.4.0
- 6.5.3.7
- 6.5.3.6
- 6.5.3.5
- 6.5.3.4
- 6.5.3.0
- 6.5.2.0
- 6.5.1.5-4.3.1.7
- 6.5.1.0-4.3.1.1
- 6.5.1.0-4.3.1.0
- 6.5.0.0-4.3.0.1
- 6.5.0.0-4.3.0.0
- 6.4.4.8-4.2.4.10
- 6.4.4.8-4.2.4.5
- 6.4.4.8-4.2.4.4
- 6.4.4.6-4.2.4.0
- 6.4.4.4-4.2.3.2
- 6.4.4.4-4.2.3.1
- 6.4.4.4-4.2.3.0
- 6.4.4.3-4.2.2.0
- 6.4.3.4-4.2.1.0
- 6.4.3.1-4.2.0.3
- 6.4.2.3-4.1.2.3
- 6.4.2.0-4.1.1.9 or later

# AP如何上云及如何云端配置

(步骤与之前SD Branch及交换机相同)

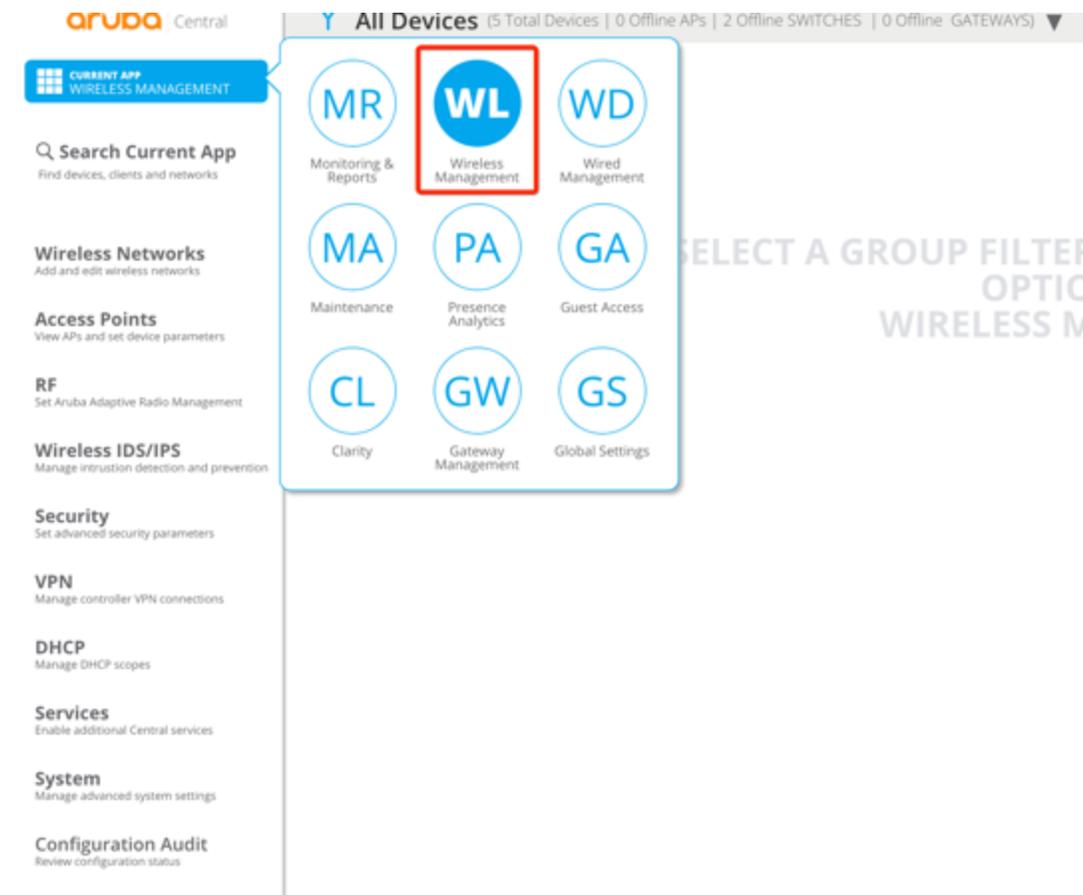
- 1、 将AP信息加入Central
- 2、 将AP进行授权
- 3、 将AP加电，并接入Internet
- 4、 AP在Central上线，将AP加入预设的分组
- 5、 在AP分组中配置国家代码，时区信息。否则AP将不会放出信号



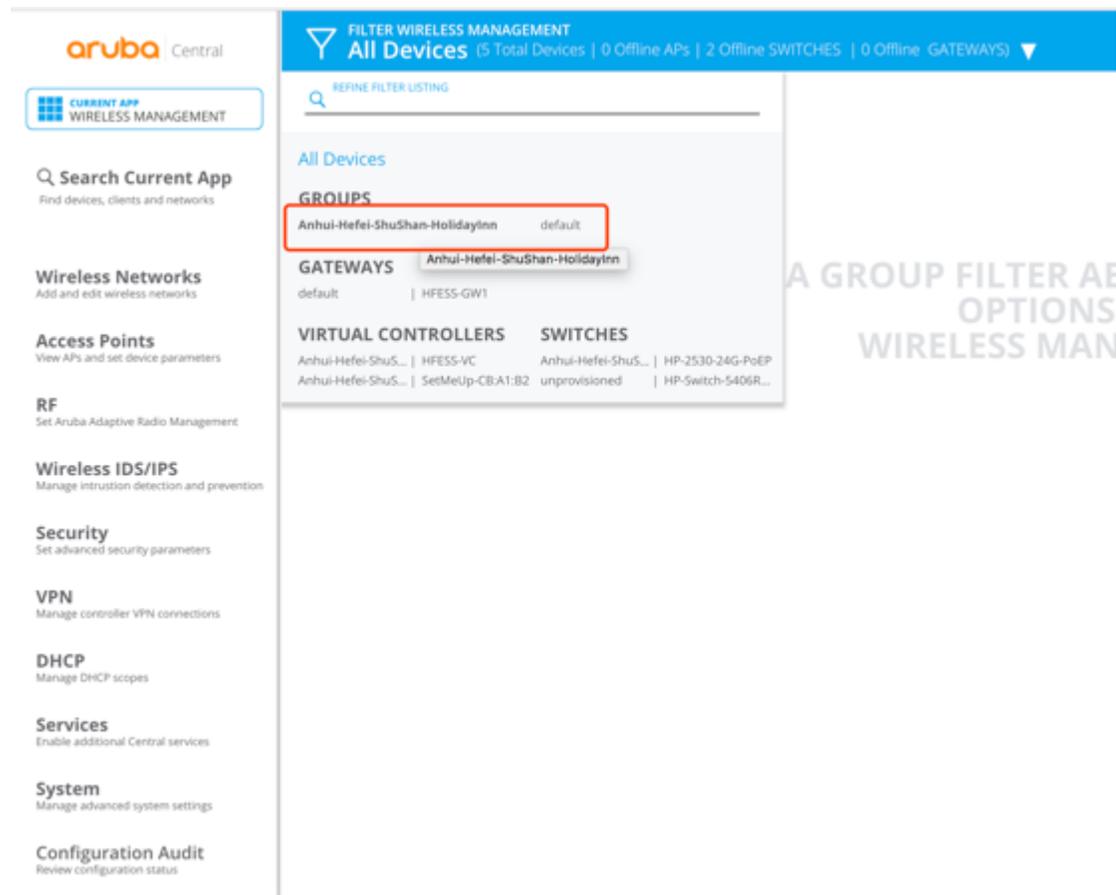
The screenshot shows the Aruba Central interface for 'Wireless Management' under the 'Anhui-Mefes-Shu' group. The left sidebar includes 'CURRENT APP WIRELESS MANAGEMENT', 'Search Current App', 'Wireless Networks', 'Access Points', 'RF', 'Wireless IDS/IPS', 'Security', 'VPN', 'DHCP', 'Services', 'Systems', and 'Configuration Audit'. The main area displays 'FILTER WIRELESS MANAGEMENT' for 'Anhui-Mefes-Shu' (139 Total Devices | 2 Offline APs | 3 Offline SWITCHES | 0 Offline GATEWAYS). A 'GROUPS' dropdown menu is open, showing 'Anhui-Mefes-Shu' selected. Below, there's a table with columns for 'IPV6 ADDRESS' and 'COUNTRY CODE'. A configuration form is visible, with 'Set Country code for group' set to 'CN - China' and 'Timezone' set to 'Beijing UTC+08'. Other fields include 'Preferred Band' (All), 'NTP Server' (pool.ntp.org), 'Virtual Controller Netmask', 'Virtual Controller Gateway', 'Virtual Controller DNS', 'Virtual Controller VLAN', and 'Dynamic CPU Utilization' (Automatic).

# Central基本操作 – 无线管理及云端配置下发

1、选择无线管理模块



2、选择要进行配置的分组（配置可以基于分组，也可以基于设备）



# Central基本操作 – 无线管理配置SSID及VLAN等信息

The image displays two screenshots from the Aruba Central management console. The left screenshot shows the 'Create a New Network' wizard, with the 'General' tab selected. The 'Basic Settings' section is highlighted with a red box and contains the following fields: Name (SSID), ESSID, Type (Wireless selected), and Primary Usage (Employee selected). The right screenshot shows the 'Networks > Configuration - IHG' page with the 'VLANs' tab selected. It displays configuration options for Client IP Assignment (Network Assigned selected), Client VLAN Assignment (Dynamic selected), and a list of VLAN Assignment Rules: 'If AP-Name contains Lobby assign VLAN:1001', 'If AP-Name contains SmartZone assign VLAN:1001', 'If AP-Name contains Restaurant assign VLAN:1001', and 'Default VLAN: 1000'.

# Central基本操作 – 无线管理配置AP信息

**Access Points**

NAME	VC NAME	STATUS	IP ADDRESS	IP ASSIGNMENT	MODE	TYPE	2.4GHZ (CHAN...)	5GHZ (CHANN...
HFESS-AP050-L03-R317	MeUp-CB-A1...	Up	10.14.10.158	DHCP	access	AP-203H	Auto	Auto
HFESS-AP096...	HFESS-VC	Up	10.14.10.157	DHCP	access	AP-203H	Auto	Auto

5 10 25 50 Per Page

**Access Points / HFESS-AP050-L03-R317**

**Basic Info**

Name: HFESS-AP050-L03-R317

AP Zone:

RF Zone:

Swarm Mode: Cluster

Preferred Master:

IP Address For Access Point:  Get IP Address from DHCP server  Static

**Uplink**

Uplink Management VLAN: 2

Eth0 Bridging:

USB Port:

PEAP User:

# Central基本操作 – 配置AP有线端口

先新建一个有线Profile，203H只需应用在1口即口，303H需要应用在1、2、3口

The screenshots illustrate the configuration steps for a wired port profile in Aruba Central:

- Top-Left:** Shows the 'Networks' list. A red box highlights the plus sign icon used to create a new network profile.
- Top-Right:** Shows the 'Basic Settings' for the 'Wired\_Port' profile. The 'Type' is set to 'Employee'. A red box highlights the 'Port Type Trusted' toggle, which is turned on.
- Bottom-Left:** Shows the 'Network Assignment' tab. The 'Mode' is set to 'Access'. The 'Access VLAN' is set to '1'. A red box highlights the '1' in the 'Access VLAN' field.
- Bottom-Right:** Shows the 'Network Assignment' tab with a table of port assignments. A red box highlights the '0/1' port assigned to the 'Wired\_Port' profile.

Port	Profile
0/0	default_wired_port_profile
0/1	Wired_Port
0/2	wired-SetMeUp
0/3	wired-SetMeUp
0/4	wired-SetMeUp

# Central基本操作 – 告警

可查看系统预置告警以及进行自定义告警设置，邮件通知

The screenshot shows the Aruba Central interface for Alerts. The top navigation bar includes 'aruba Central' and 'FILTER MONITORING & REPORTS All Devices (146 Total Devices | 2 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)'. The left sidebar contains navigation options: 'CURRENT APP MONITORING & REPORTS', 'Search Current App', 'Network Overview', 'Network Health', 'Label Health', 'Client Overview', 'AppRF™', 'VisualRF', 'Topology', 'Alerts', and 'Reports'. The main content area is titled 'Alerts' and has tabs for 'Open' and 'Acknowledged'. A summary bar shows: Critical: 0, Major: 28, Minor: 0, Warning: 0. Below this is a list of alerts with a search bar. The alerts listed are: 'Virtual Controller Disconnected' (10), 'Rogue AP Detected' (9), 'AP Disconnected' (4), 'New AP Detected' (2), 'New User Account Added' (2), and 'New Switch Connected' (1). The 'AP Disconnected' alert is selected, showing details for three APs: HFESS-AP143-Backup3-305, HFESS-AP200-L01-Restaurant2, and HFESS-AP106-L07-R711.

The screenshot shows the configuration page for the 'AP disconnected' alert. The top navigation bar includes 'aruba Central' and 'CURRENT APP MONITORING & REPORTS'. The left sidebar contains navigation options: 'Search Current App', 'Network Overview', 'Network Health', 'Label Health', 'Client Overview', 'AppRF™', 'VisualRF', 'Topology', 'Alerts', and 'Reports'. The main content area is titled 'AP disconnected' and has a search bar. Below this is a 'Rule' section with a 'Severity' dropdown set to 'Major'. The 'Duration' is set to '10 mins'. The 'Devices Filter Options' section includes 'Group' (Anhui-Hefei-ShuShan-HolidayInn), 'Label' (Select the Label), and 'Device' (Select the Device). The 'Notification Options' section is highlighted with a red box and includes a checked 'Email' option with the email address 'lxt@hoye.net.cn;ljun.li@hpe.com'. The bottom right corner has 'Cancel' and 'Save' buttons.

# Central基本操作 – 报表

– 可根据需求自定义报表并邮件定期发送

The image shows two screenshots of the Aruba Central interface. The left screenshot shows the 'REPORTS' configuration page. The right screenshot shows the 'REPORTS' page with a 'Generated Reports' table.

**Left Screenshot: Reports Configuration**

Aruba Central  
FILTER MONITORING & REPORTS  
All Devices (146 Total Devices | 2 Offline APs | 0 Offline SWITCHES | 0 Offline)

REPORTS

Create Report based on:

Device Groups:  Groups  Labels

- Anhui-Hefei-ShuShan-HolidayInn
- HFESS-Switches

Title: HFESS-NetworkSumms

Report Type: Network

Period: Last day

Schedule:  Now  Later

Run Report: One Time

Email Report: lijun.li@hpe.com

**Right Screenshot: Reports Overview**

Aruba Central  
FILTER MONITORING & REPORTS  
All Devices (146 Total Devices | 2 Offline APs | 0 Offline SWITCHES | 0 Offline GATEWAYS)

REPORTS

Report Type: All

Configured Reports

TITLE	DATE RUN	SAVED BY	DEVICE GROUP	LABEL/SITE	REPORT TYPE	STATUS	PERIODICITY
No data to display							

Batch Remove Reports

Report Type: Client Session

Generated Reports Selected: 0

TITLE	DATE RUN	SAVED BY	DEVICE GROUP	LABEL/SITE	REPORT TYPE	STATUS	PERIODICITY
HFESS-Client-WeeklyReport	07/31/2018 05:52:04	504904515@qq.com	Anhui-Hefei-Shu...		Client_session	Completed	One Time

5 10 25 50 Per Page Page: 1/1

# 添加授权用户

The screenshot shows the Aruba Central interface for managing users and roles. A modal window titled 'NEW USER' is open, allowing the creation of a new user. The modal contains the following fields:

- Username:
- Description (optional):
- Role:
- Language:
- Allowed Groups:

Buttons for 'Save' and 'Cancel' are located at the bottom of the modal. In the background, the 'USERS & ROLES' page is visible, showing a list of users and a 'New User' button at the bottom left.

USERNAME	Role	Language	Allowed Groups
504904515@qq.com	-- Select --	-- Select --	All Groups
shidan.yu@hpe.com	-- Select --	-- Select --	All Groups
lxt@hoye.net.cn	-- Select --	-- Select --	All Groups
18621992770@139.com	-- Select --	-- Select --	All Groups
lijun.li@hpe.com	-- Select --	-- Select --	All Groups
ivan.wei@linkbroad.com	-- Select --	-- Select --	All Groups
lhgconnect@dkie.com.cn	-- Select --	-- Select --	All Groups
sam.lu@linkbroad.com	-- Select --	-- Select --	All Groups

# 设备云端集中版本管理及版本升级

The screenshot displays the Aruba Central interface for managing device firmware. The main heading is "FIRMWARE" under the "All Devices" filter. The "Switch - Aruba" tab is selected, showing a table of devices. The table columns are: HOST NAME, MAC ADDRESS, MODEL, FIRMWARE VERSION, LATEST AVAILABLE ..., FIRMWARE COMPLIANCE, and STATUS. All devices in the table show a status of "Firmware up to date".

HOST NAME	MAC ADDRESS	MODEL	FIRMWARE VERSION	LATEST AVAILABLE ...	FIRMWARE COMPLIANCE	STATUS
HFESS-SW01-ACCES...	04:09:73:08:60:40	HP2530-24G-PoEP SwL...	YA.16.05.0008	16.05.0007	Not Set	✓ Firmware up to date
HFESS-SW02-ACCES...	04:09:73:07:1b:20	HP2530-24G-PoEP SwL...	YA.16.05.0008	16.05.0007	Not Set	✓ Firmware up to date
HFESS-SW03-ACCES...	04:09:73:08:f0:20	HP2530-24G-PoEP SwL...	YA.16.05.0008	16.05.0007	Not Set	✓ Firmware up to date
HFESS-SW05-ACCES...	04:09:73:07:9c:c0	HP2530-24G-PoEP SwL...	YA.16.05.0008	16.05.0007	Not Set	✓ Firmware up to date
HFESS-SW06-ACCES...	04:09:73:08:11:c0	HP2530-24G-PoEP SwL...	YA.16.05.0008	16.05.0007	Not Set	✓ Firmware up to date
HFESS-SW07-ACCES...	04:09:73:07:ce:a0	HP2530-24G-PoEP SwL...	YA.16.05.0008	16.05.0007	Not Set	✓ Firmware up to date
HFESS-SW08-Core-F...	04:09:73:5b:29:00	HPSwitch 5406R2I2j9...	KB.16.05.0007	16.05.0007	Not Set	✓ Firmware up to date

At the bottom right of the interface, there is a red-bordered button labeled "Update All".

THANK YOU