

# Aruba

A été utilisé un Aruba S2500-24p-4x10g

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# Hard Reset

Au niveau de l'écran LCD

- Allez dans le menu Maintenance et sélectionnez "Factory Default"
- Effectuer via le menu le reboot du switch

## **Information de login par défaut**

admin/admin123

# Perte du mot passe admin

En console

Utilisateur: mot de passe

Mot de passe: forgetme!

(Aruba) > activer

Mot de passe: activer

(Aruba) #configure terminal entrez les commandes de configuration, une par ligne. Fin avec CNTL/Z

Aruba) (config) #mgmt-User Admin mot de passe root: < new admin password >

Re-tapez mot de passe: < new admin password >

(Aruba) (config) #exit

(Aruba) #exit

(Aruba) > Exit

Utilisateur: admin

Mot de passe: < new admin password >

(Aruba) > activer

Mot de passe: activer

(Aruba) #configure terminal entrez les commandes de configuration, une par ligne. Fin avec CNTL/Z

(Aruba) (config) #enable secret

Mot de passe: < new enable password >

Re-tapez mot de passe: < new enable password >

(Aruba) (config) #write mémoire

# Initialisation & configuration basique

## Notes pré installation :

Les câbles console de chez Cisco fonctionne très bien.

| Baud Rate | Data Bits | Parity | Stop Bits | Flow Control |
|-----------|-----------|--------|-----------|--------------|
| 9600      | 8         | None   | 1         | Off          |

## Configuration via GUI quick config

Workflow: 1 Basic Info, 2 Management, 3 Finish. Help icon.

Time remaining to complete the quick setup wizard: 00:06:09

### Basic Information for the Device

Specify the name, password, tunneled server IP address, and data/time for the Device. [More...](#)

Name:

Country Code:

Password for user "admin":  6-32 characters

Retype:

Password for Enable Mode:  6-15 characters

Retype:

Tunneled Server IP Address :

Date & Time:

☐ Get time from NTP Server

☒ Set time manually

Date :

Time :  :  :

Timezone:

Next Cancel

Workflow

Help

Management

You can specify the following management interface options for your device.

- VLAN:** Specify the VLAN ID for this device.
- IP Address Configuration:** Select the source of IP address for this device. You can assign static IP address or assign IP address using a DHCP server. To assign **Static IP**, enter the following details:
  - IP Address:** Enter the static IP address. This device supports IPv4 and IPv6 address types.
  - Netmask:** Specify the netmask IP address for your IP address.
  - DNS:** Specify the DNS server for the device.
  - Default Gateway:** Specify the default gateway IP address for this device.
- Select **DHCP** to use IP address assigned by your DHCP server.

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NETWORKS

Time remaining to complete the quick setup wizard: 00:03:11

Device IP Address for ArubaS2500-24P

Specify switch management options. [More...](#)

Inband management VLAN interface:

VLAN: 1

All Ports:

Upstream Ports:

GE-0/0/0

GE-0/0/1

GE-0/0/2

GE-0/0/3

GE-0/0/4

GE-0/0/5

GE-0/0/6

GE-0/0/7

GE-0/0/8

GE-0/0/9

IP address assignment:

Static

DHCP

IP Address :

192.168.1.201

Net Mask :

255.255.255.0

Default Gateway :

192.168.1.1

Out of band management interface:

IP Address :

Net Mask :

Configure Airwave Management(AMP) Parameters:

Back

Next

Cancel

La mise en page sous IE est étrange, mais l'important est de pouvoir la valider la configuration basique.

## Ready to Push Configuration to ArubaS2500-24P

The settings you have specified are summarized below. [More...](#)

Device Setup Summary

18:43:37,Thu May 21 2020

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Basic Info

Name: ArubaS2500-24P

Country Code: FR-France

Date: 2020 May 21

Time: 18 40 0(hr min sec)

TimeZone: GMT +02:00 FRA

Management

VLAN: 1

Upstream Ports : GE-0/0/0,GE-0/0/1,GE-0/0/2,GE-0/0/3,GE-0/0/4,GE-0/0/5,GE-0/0/6,GE-0/0/7,GE-0/0/8,GE-0/0/9,GE-0/0/10,GE-0/0/11,GE-0/0/12,GE-0/0/13,GE-0/0/14,GE-0/0/15,GE-0/0/16,GE-0/0/17,GE-0/0/18,GE-0/0/19,GE-0/0/20,GE-0/0/21

IP address assignment: Static

IP Address : 192.168.1.201

Net Mask : 255.255.255.0

Default Gateway : 192.168.1.1

To display the summary information in a separate window so you can print or save it , [click here](#)

➡ To complete the wizard and apply the settings you have specified,click the **Finish** button below.

NOTE: When you click **Finish**, your Ethernet connection will go away if DHCP is not configured on this VLAN.

Back Finish Cancel

# Casser le staking présent par défaut

(ArubaS2500-24P) (config) # **show interface brief**

Interface Admin Link Line Protocol Speed/Duplex

-----

GE0/0/0 Enable Up Up 1 Gbps / Full  
GE0/0/1 Enable Down Down N/A  
GE0/0/2 Enable Up Up 100 Mbps / Full  
GE0/0/3 Enable Down Down N/A  
GE0/0/4 Enable Up Up 100 Mbps / Full  
GE0/0/5 Enable Down Down N/A  
GE0/0/6 Enable Up Up 100 Mbps / Full  
GE0/0/7 Enable Down Down N/A  
GE0/0/8 Enable Up Up 100 Mbps / Full  
GE0/0/9 Enable Down Down N/A  
GE0/0/10 Enable Down Down N/A  
GE0/0/11 Enable Down Down N/A  
GE0/0/12 Enable Down Down N/A  
GE0/0/13 Enable Down Down N/A  
GE0/0/14 Enable Down Down N/A  
GE0/0/15 Enable Down Down N/A  
GE0/0/16 Enable Down Down N/A  
GE0/0/17 Enable Down Down N/A  
GE0/0/18 Enable Down Down N/A  
GE0/0/19 Enable Down Down N/A  
GE0/0/20 Enable Down Down N/A  
GE0/0/21 Enable Down Down N/A  
GE0/0/22 Enable Down Down N/A  
GE0/0/23 Enable Down Down N/A  
GE0/1/0 Enable Down Down N/A  
GE0/1/1 Enable Down Down N/A  
MGMT Enable Down Down N/A

(ArubaS2500-24P) (config) # **show stacking interface**

**stack1/2**

-----

stack1/2 is administratively Enabled, link is Down, line protocol is Down  
Speed: N/A, MTU: 9224 bytes, Link flaps: 0  
Last update of counters: 0d 00:00:00 ago  
Last clearing of counters: 0d 00:00:00 ago  
Link status last changed: 0d 00:00:00 ago  
Statistics:

Received 0 frames, 0 octets  
0 pps, 0 bps  
0 broadcasts, 0 runts, 0 giants, 0 throttles  
0 error octets, 0 CRC frames  
0 multicast, 0 unicast  
Transmitted 0 frames, 0 octets  
0 pps, 0 bps  
0 broadcasts, 0 throttles  
0 multicast, 0 unicast  
0 errors octets, 0 deferred  
0 collisions, 0 late collisions

### stack1/3

-----

stack1/3 is administratively Enabled, link is Down, line protocol is Down

Speed: N/A, MTU: 9224 bytes, Link flaps: 0

Last update of counters: 0d 00:00:00 ago

Last clearing of counters: 0d 00:00:00 ago

Link status last changed: 0d 08:13:09 ago

Statistics:

Received 0 frames, 0 octets  
0 pps, 0 bps  
0 broadcasts, 0 runts, 0 giants, 0 throttles  
0 error octets, 0 CRC frames  
0 multicast, 0 unicast  
Transmitted 0 frames, 0 octets  
0 pps, 0 bps  
0 broadcasts, 0 throttles  
0 multicast, 0 unicast  
0 errors octets, 0 deferred  
0 collisions, 0 late collisions

(ArubaS2500-24P) (config) # delete stacking interface stack 1/2

(ArubaS2500-24P) (config) # delete stacking interface stack 1/3

(ArubaS2500-24P) (config) #show interface brief

Interface Admin Link Line Protocol Speed/Duplex

-----

GE0/0/0 Enable Up Up 1 Gbps / Full

GE0/0/1 Enable Down Down N/A

GE0/0/2 Enable Up Up 100 Mbps / Full

GE0/0/3 Enable Down Down N/A

GE0/0/4 Enable Up Up 100 Mbps / Full

GE0/0/5 Enable Down Down N/A

GE0/0/6 Enable Up Up 100 Mbps / Full  
GE0/0/7 Enable Down Down N/A  
GE0/0/8 Enable Up Up 100 Mbps / Full  
GE0/0/9 Enable Down Down N/A  
GE0/0/10 Enable Down Down N/A  
GE0/0/11 Enable Down Down N/A  
GE0/0/12 Enable Down Down N/A  
GE0/0/13 Enable Down Down N/A  
GE0/0/14 Enable Down Down N/A  
GE0/0/15 Enable Down Down N/A  
GE0/0/16 Enable Down Down N/A  
GE0/0/17 Enable Down Down N/A  
GE0/0/18 Enable Down Down N/A  
GE0/0/19 Enable Down Down N/A  
GE0/0/20 Enable Down Down N/A  
GE0/0/21 Enable Down Down N/A  
GE0/0/22 Enable Down Down N/A  
GE0/0/23 Enable Down Down N/A  
GE0/1/0 Enable Down Down N/A  
GE0/1/1 Enable Down Down N/A  
**GE0/1/2 Enable Down Down N/A**  
**GE0/1/3 Enable Down Down N/A**  
MGMT Enable Down Down N/A

## Ajout d'un utilisateur

(ArubaS2500-24P) (config) **#mgmt-user ?**

<username> Name of the user (maximum 16 characters).  
localauth-disable Disable Local authentication event if RADIUS authentication timeout.  
password-recovery-dis.. Disable recovery login  
ssh-pubkey SSH login of management users by public key authentication  
webui-cacert CA Certificate used to sign management user's certificate

(ArubaS2500-24P) (config) **#mgmt-user nida ?**

<rolename> Role name from one of the following:  
root - super user role  
guest-provisioning - guest provisioning role  
network-operations - Network operator role



read-only - Read only role  
location-api-mgmt - Location API Management Role

(ArubaS2500-24P) (config) **#mgmt-user nida root**  
Password:\*\*\*\*\*  
Re-Type password:\*\*\*\*\*

(ArubaS2500-24P) (config) **#show mgmt-user**

Management User Table

-----  
USER PASSWD ROLE STATUS

-----  
admin \*\*\*\*\* root ACTIVE  
nida \*\*\*\*\* root ACTIVE

## Jumbo Frames

(ArubaS2500-24P) (config) **#show interface gigabitethernet 0/0/0**

GE0/0/0 is administratively Up, Link is Up, Line protocol is Up  
Hardware is Gigabit Ethernet, Interface is GE0/0/0, Address is  
00:0b:86:aa:a6:c2  
Encapsulation ARPA, Loopback not set  
Configured: duplex (Auto), Speed (Auto), FC (Off), Autoneg (On)  
Negotiated: duplex (Full), Speed (1 Gbps)  
Interface index: 1

**MTU 1514 bytes**

(ArubaS2500-24P) (config) **#interface gigabitethernet 0/0/0**

(ArubaS2500-24P) (gigabitethernet "0/0/0") **#mtu ?**

<mtu> Set MTU on interface between 64 and 9216

(ArubaS2500-24P) (gigabitethernet "0/0/0") **#mtu 9216**

(ArubaS2500-24P) (config) **#show interface gigabitethernet 0/0/0**

GE0/0/0 is administratively Up, Link is Up, Line protocol is Up  
Hardware is Gigabit Ethernet, Interface is GE0/0/0, Address is  
00:0b:86:aa:a6:c2  
Encapsulation ARPA, Loopback not set  
Configured: duplex (Auto), Speed (Auto), FC (Off), Autoneg (On)

Negotiated: duplex (Full), Speed (1 Gbps)

Interface index: 1

**MTU 9216 bytes**

## Configuration SNMP v2

(ArubaS2500-24P) (config) **#show snmp community**

SNMP COMMUNITIES

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COMMUNITY ACCESS VERSION

-----

Zer0t0uchpr0visi0ning READ\_ONLY V1, V2C

(ArubaS2500-24P) (config) **#hostname** *ArubaS2500-24P*

(ArubaS2500-24P) (config) **#syscontact** *monitoring*

(ArubaS2500-24P) (config) **#syslocation** *France*

(ArubaS2500-24P) (config) **#snmp-server community** *public*

(ArubaS2500-24P) (config) **#snmp-server enable trap**

**(ArubaS2500-24P) (config) #snmp-server host 192.168.1.205  
community public**

(ArubaS2500-24P) (config) **#snmp-server engine-id ?**

<engineid> Engine ID of SNMP server in HEX (10-64 chars) eg.

**800039e703000b86112233**

(ArubaS2500-24P) (config) **#snmp-server engine-id**

**800039e703000b86112233**

## Configuration SNMP v3

# vLAN & DHCP

## Création d'un vLan

```
(ArubaS2500-24P) (VLAN "4") #vlan 10
(ArubaS2500-24P) (VLAN "10") #description lab
(ArubaS2500-24P) (VLAN "10") #exit
```

## Attribution d'une IP

```
(ArubaS2500-24P) (vlan "10") #ip address 172.16.255.250 255.255.0.0
(ArubaS2500-24P) (vlan "10") #mtu 1500
(ArubaS2500-24P) (vlan "10") #exit
```

## Configuration du switching-profile pour le vLAN

```
(ArubaS2500-24P) (config) #interface-profile switching-profile vlan10-sw
(ArubaS2500-24P) (switching profile "vlan10-sw") #switchport-mode access
(ArubaS2500-24P) (switching profile "vlan10-sw") #access-vlan 10
(ArubaS2500-24P) (switching profile "vlan10-sw") #native-vlan 10
(ArubaS2500-24P) (switching profile "vlan10-sw") #exit
```

## Application du vLAN à un port

```
(ArubaS2500-24P) (config) #interface gigabitethernet 0/0/0
(ArubaS2500-24P) (gigabitethernet "0/0/8") #switching-profile vlan10-sw
(ArubaS2500-24P) (gigabitethernet "0/0/8") #exit
```

## Application du vLAN à un groupe de ports

```
(ArubaS2500-24P) (config) #interface-group gigabitethernet vlan10-grp
(ArubaS2500-24P) (gigabitethernet "vlan10") #apply-to 0/0/0-0/0/3
(ArubaS2500-24P) (gigabitethernet "vlan10") #trusted port
(ArubaS2500-24P) (gigabitethernet "vlan10") #no shutdown
(ArubaS2500-24P) (gigabitethernet "vlan10") #switching-profile vlan10
(ArubaS2500-24P) (gigabitethernet "vlan10") #exit
(ArubaS2500-24P) (config) #exit
(ArubaS2500-24P) #write memory
```

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## Ajout ou suppression d'interface à un vLAN

(ArubaS2500-24P) (gigabitethernet "vlan10") #apply-to [add | remove] <interface-list>

---

## DHCP

(ArubaS2500-24P) (config) #ip dhcp pool vlan10-pool

(ArubaS2500-24P) (dhcp server profile "vlan10-pool") #

(ArubaS2500-24P) (dhcp server profile "vlan10-pool") #?

|                         |  |
|-------------------------|--|
| clone                   | Copy data from another dhcp server profile           |
| default-router          | DHCP default router in A.B.C.D format                |
| dns-server              | DNS servers in A.B.C.D format                        |
| domain-name             | Specify domain name                                  |
| exclude-address         | Configure exclude address                            |
| hardware-address        | MAC address of the device                            |
| lease                   | DHCP server pool lease time (Default: 12 hours)      |
| netbios-name-server     | Configure netbios name servers in A.B.C.D format     |
| network                 | DHCP server network pool                             |
| no                      | Delete Command                                       |
| option                  | Configure server option                              |
| vendor-class-identifi.. | Configure vendor-class-identifier (Default: ArubaAP) |