

Procédure de  
Configuration de la borne

# WIFI

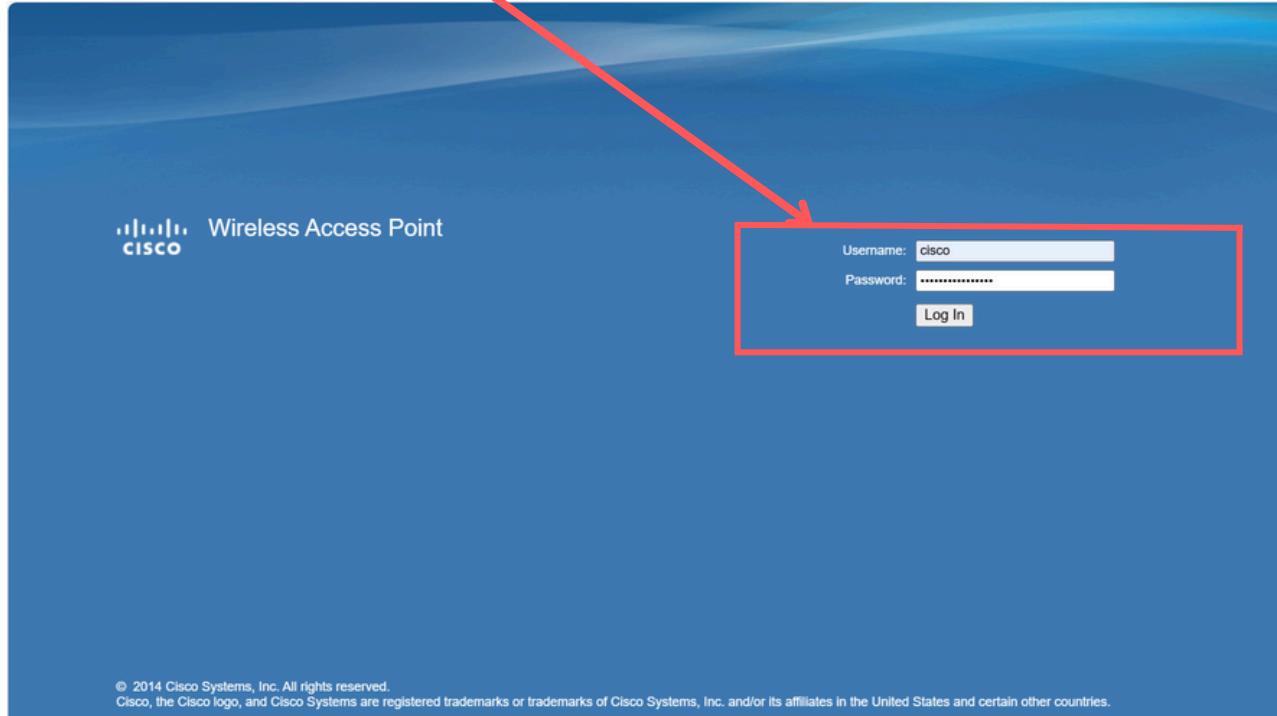
Validateurs : xxx  
Version 1  
21/01/2024

## Accès à l'interface web

Pour commencer la configuration, connectez vous à l'interface web via l'adresse IP par défaut : **192.168.1.245**.

Utilisez les identifiants de base :

- **Nom d'utilisateur** : admin ou Cisco.
- **Mot de passe** : admin ou Cisco.



## Lancement de la configuration

Une fois connecté, procédez à la configuration en cliquant sur **Next**.

Welcome

- Configuration
- IP Address
- Single Point Setup
- Time Settings
- Device Password
- Radio 1 (5 GHz )
- Network Name
- Wireless Security
- VLAN ID
- Radio 2 (2.4 GHz)
- Network Name

Welcome

Thank you for choosing Cisco Systems, Inc. This setup wizard will help you install your Cisco Systems, Inc Access Point.

To setup this access point manually you can cancel this wizard at any time (Not recommended).

**Note:** This Setup Wizard provides simplified options to help you quickly get your access point up and running. If there is any option or capability that you do not see while running the setup wizard, click the learning link provided on many of the setup wizard pages. To set further options as you require or as seen in the learning link, cancel the setup wizard and go to the web-based configuration utility.

Click **Next** to continue

Back      **Next**      Cancel

## **Attribution de l'adresse IP**

Attribuez une adresse IP à la borne Wi-Fi en fonction de votre infrastructure et des informations requises, puis cliquez sur **Next**.

**Access Point Setup Wizard**

**Welcome**      **Configuration**

**IP Address**      **Single Point Setup**      **Time Settings**      **Device Password**

**Radio 1 (5 GHz)**      **Network Name**      **Wireless Security**      **VLAN ID**

**Radio 2 (2.4 GHz)**      **Network Name**

**Configure Device - IP Address**

Select either Dynamic or Static IP address for your device.

Dynamic IP Address (DHCP) (Recommended)

Static IP Address

Static IP Address: 172 . 16 . 0 . 10

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 172 . 16 . 0 . 254

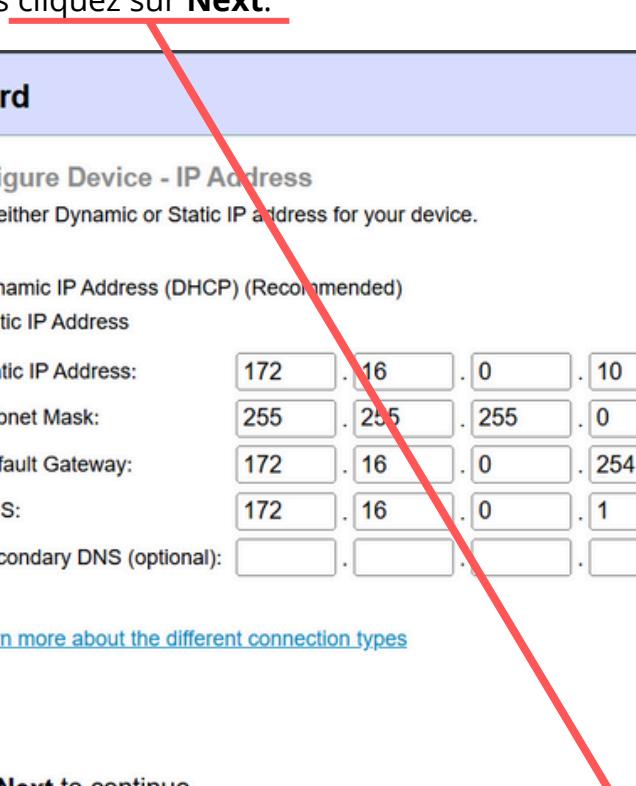
DNS: 172 . 16 . 0 . 1

Secondary DNS (optional):

[Learn more about the different connection types](#)

Click **Next** to continue

**Back**      **Next**      **Cancel**



## **Désactivation de l'option Single Point Setup**

Cochez l'option **Do not enable Single Point Setup**, puis cliquez sur **Next**.

**Access Point Setup Wizard**

**Welcome**      **Configuration**

**IP Address**      **Single Point Setup**

**Time Settings**      **Device Password**

**Radio 1 (5 GHz)**      **Network Name**      **Wireless Security**      **VLAN ID**

**Radio 2 (2.4 GHz)**      **Network Name**

**Single Point Setup -- Set A Cluster**

A cluster provides a single point of administration and lets you view, deploy, configure, and secure the wireless network as a single entity, rather than separate wireless devices.

Create a New Cluster  
Recommended for a new deployment environment.  
New Cluster Name:   
AP Location:   
Cluster Mgmt Address (optional):

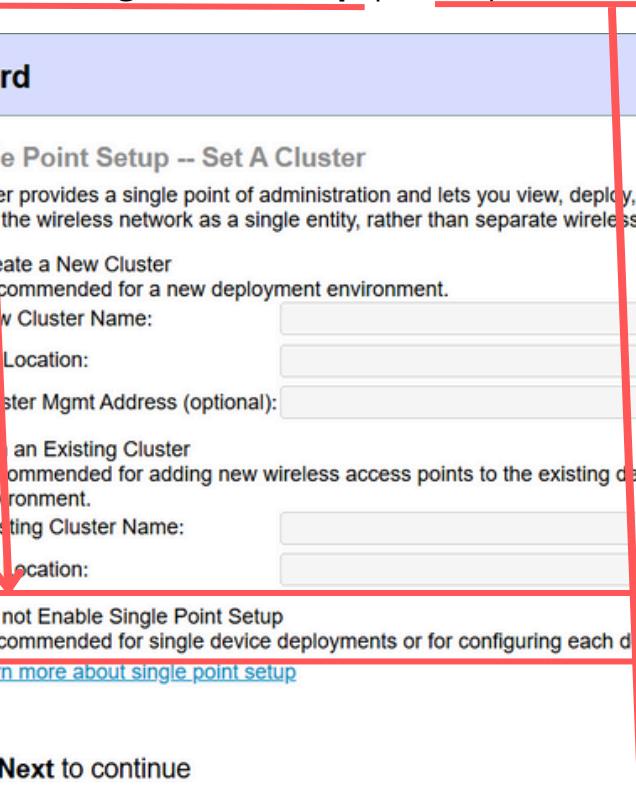
Join an Existing Cluster  
Recommended for adding new wireless access points to the existing deployment environment.  
Existing Cluster Name:   
AP Location:

**Do not Enable Single Point Setup**  
Recommended for single device deployments or for configuring each device individually.

[Learn more about single point setup](#)

Click **Next** to continue

**Back**      **Next**      **Cancel**



## Configuration de l'heure

Configurez l'heure. Si vous êtes en France, sélectionnez le fuseau horaire correspondant, puis cliquez sur **Next**.

**Access Point Setup Wizard**

**Welcome**

**Configuration**

IP Address

Single Point Setup

**Time Settings**

Device Password

Radio 1 (5 GHz)

Network Name

Wireless Security

VLAN ID

Radio 2 (2.4 GHz)

Network Name

**Configure Device - Set System Date And Time**

Enter the time zone, date and time.

Time Zone: France

(Gets The First Country Name from the Time Zone You Belong)

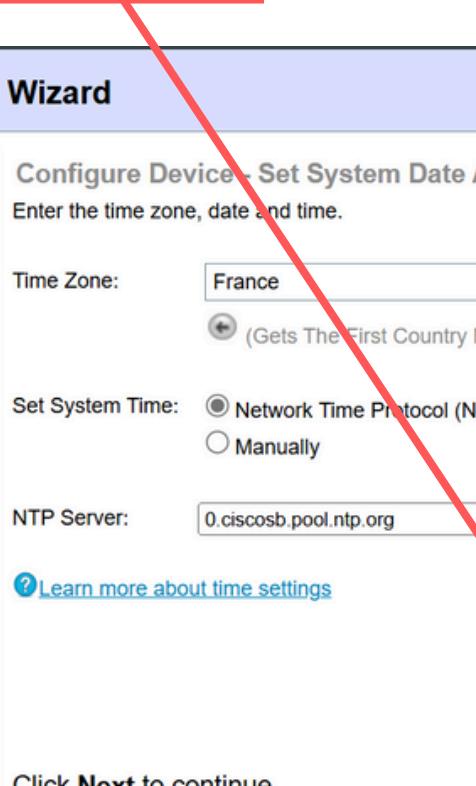
Set System Time:  Network Time Protocol (NTP)  Manually

NTP Server: 0.ciscosb.pool.ntp.org

[? Learn more about time settings](#)

Click **Next** to continue

**Back** **Next** **Cancel**



## Définition d'un mot de passe sécurisé

Définissez un mot de passe robuste pour le compte administrateur de la borne Wi-Fi, puis cliquez sur **Next**.

**Access Point Setup Wizard**

**Welcome**

**Configuration**

IP Address

Single Point Setup

Time Settings

**Device Password**

Radio 1 (5 GHz)

Network Name

Wireless Security

VLAN ID

Radio 2 (2.4 GHz)

Network Name

**Configure Device - Set Password**

The administrative password protects your access point from unauthorized access. For security reasons, you should change the access point password from its default settings. Please write this password down for future reference.

Enter a new device password:

New password needs at least 8 characters composed of lower and upper case letters as well as numbers/symbols by default.

New Password:  

Confirm Password:  

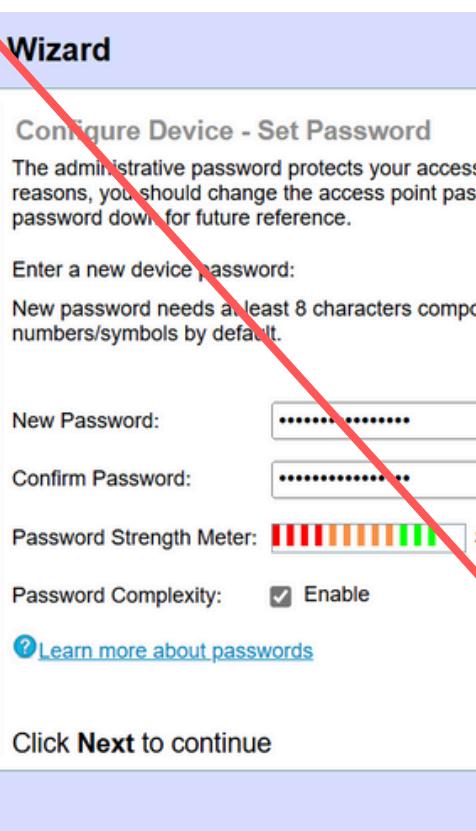
Password Strength Meter:  Strong

Password Complexity:  Enable

[? Learn more about passwords](#)

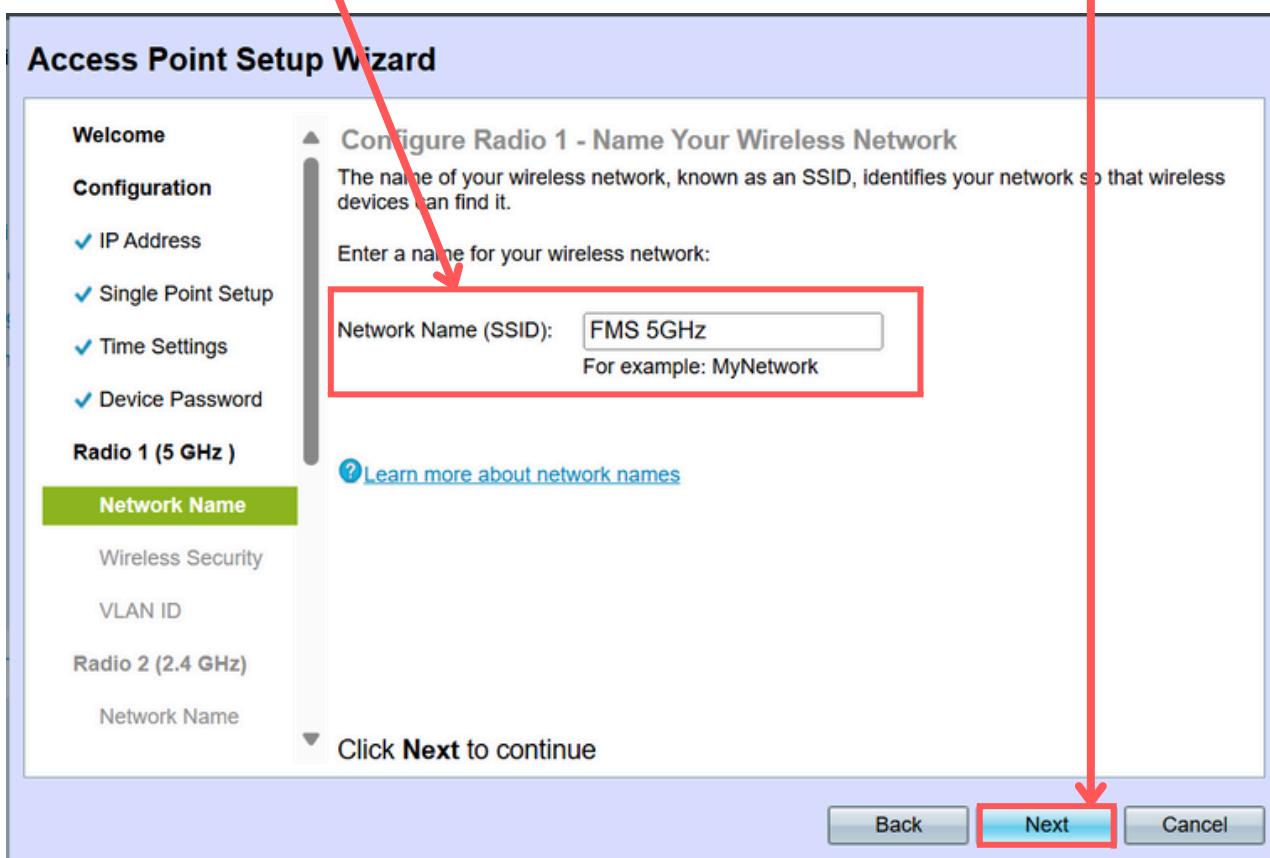
Click **Next** to continue

**Back** **Next** **Cancel**

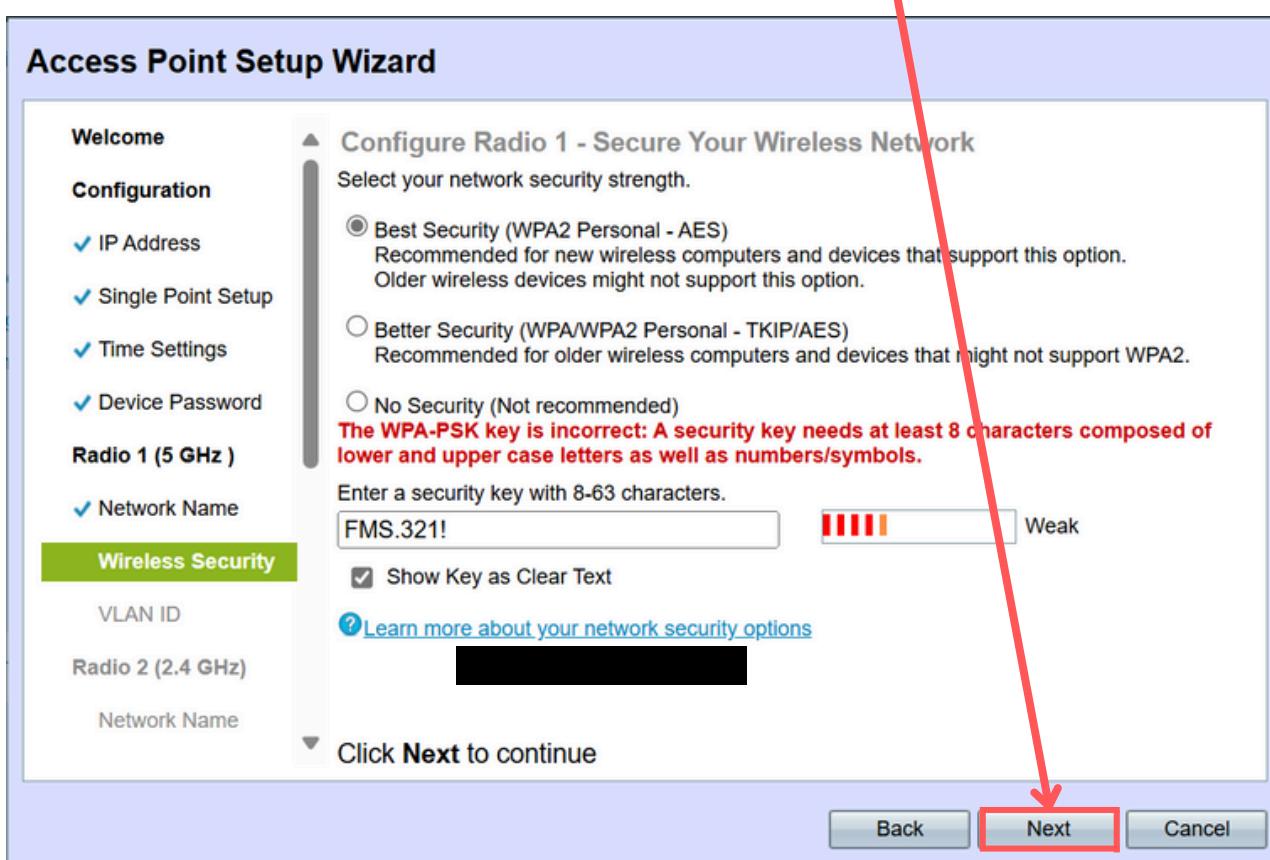


## Configuration du réseau Wi-Fi 5 GHz

Définissez le nom du réseau (SSID) pour la bande 5 GHz, puis cliquez sur **Next**.



Attribuez un mot de passe sécurisé à ce réseau, puis cliquez sur **Next**.



Ajoutez l'ID VLAN correspondant au réseau, puis cliquez sur **Next**.

**Access Point Setup Wizard**

**Configuration**

- ✓ IP Address
- ✓ Single Point Setup
- ✓ Time Settings
- ✓ Device Password

**Radio 1 (5 GHz)**

- ✓ Network Name
- ✓ Wireless Security

**VLAN ID** 10 (Range: 1 - 4094) [Learn more about vlan ids](#)

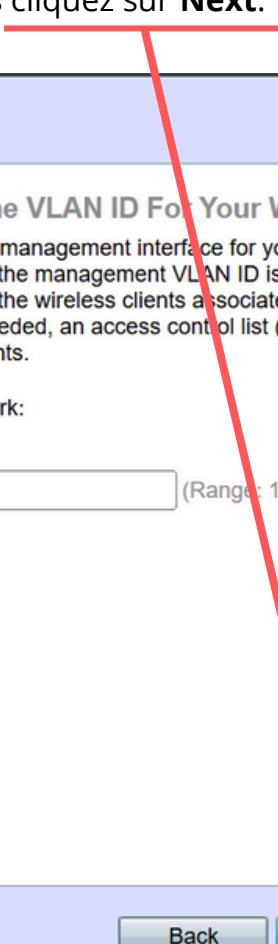
Radio 2 (2.4 GHz)

Network Name

Wireless Security

▼ Click **Next** to continue

**Back** **Next** **Cancel**



## Configuration du réseau Wi-Fi 2.4 GHz

- Répétez les étapes précédentes pour configurer le réseau en 2.4 GHz :
  - Définissez le nom du réseau (SSID), cliquez sur **Next**.
  - Attribuez un mot de passe sécurisé, puis cliquez sur **Next**.
  - Ajoutez l'ID VLAN correspondant, puis cliquez sur **Next**.

**Access Point Setup Wizard**

**Welcome**

Configuration

- ✓ IP Address
- ✓ Single Point Setup
- ✓ Time Settings
- ✓ Device Password

Radio 1 (5 GHz)

- ✓ Network Name
- ✓ Wireless Security
- ✓ VLAN ID

Radio 2 (2.4 GHz)

**Network Name**

Configure Radio 2 - Name Your Wireless Network

The name of your wireless network, known as an SSID, identifies your network so that wireless devices can find it.

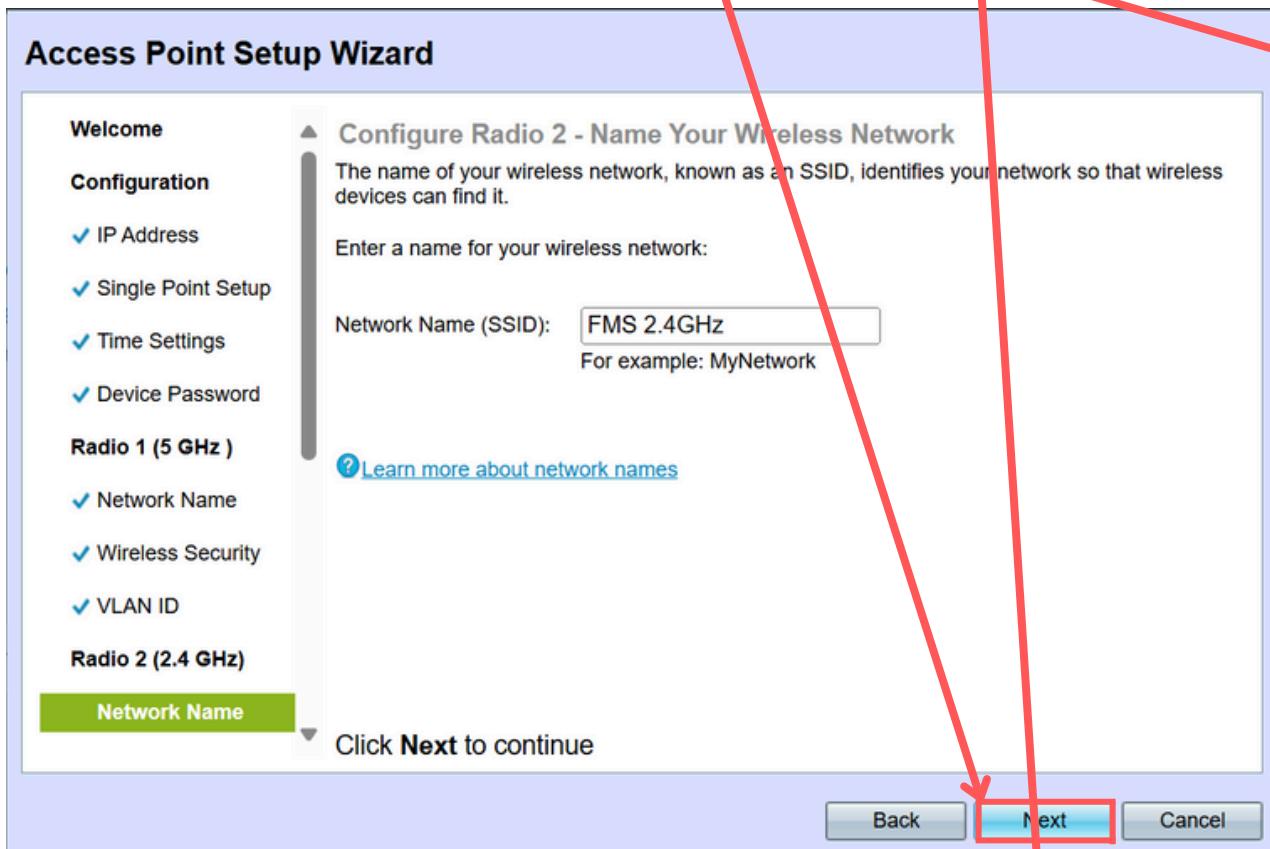
Enter a name for your wireless network:

Network Name (SSID):  For example: MyNetwork

[Learn more about network names](#)

Click **Next** to continue

Back **Next** Cancel



**Access Point Setup Wizard**

Radio 2 (2.4 GHz)

✓ Network Name

**Wireless Security**

VLAN ID

Captive Portal

Creation

Network Name

Wireless Security

VLAN ID

Redirect URL

Summary

Finish

Configure Radio 2 - Secure Your Wireless Network

Select your network security strength.

Best Security (WPA2 Personal - AES)  
Recommended for new wireless computers and devices that support this option.  
Older wireless devices might not support this option.

Better Security (WPA/WPA2 Personal - TKIP/AES)  
Recommended for older wireless computers and devices that might not support WPA2.

No Security (Not recommended)

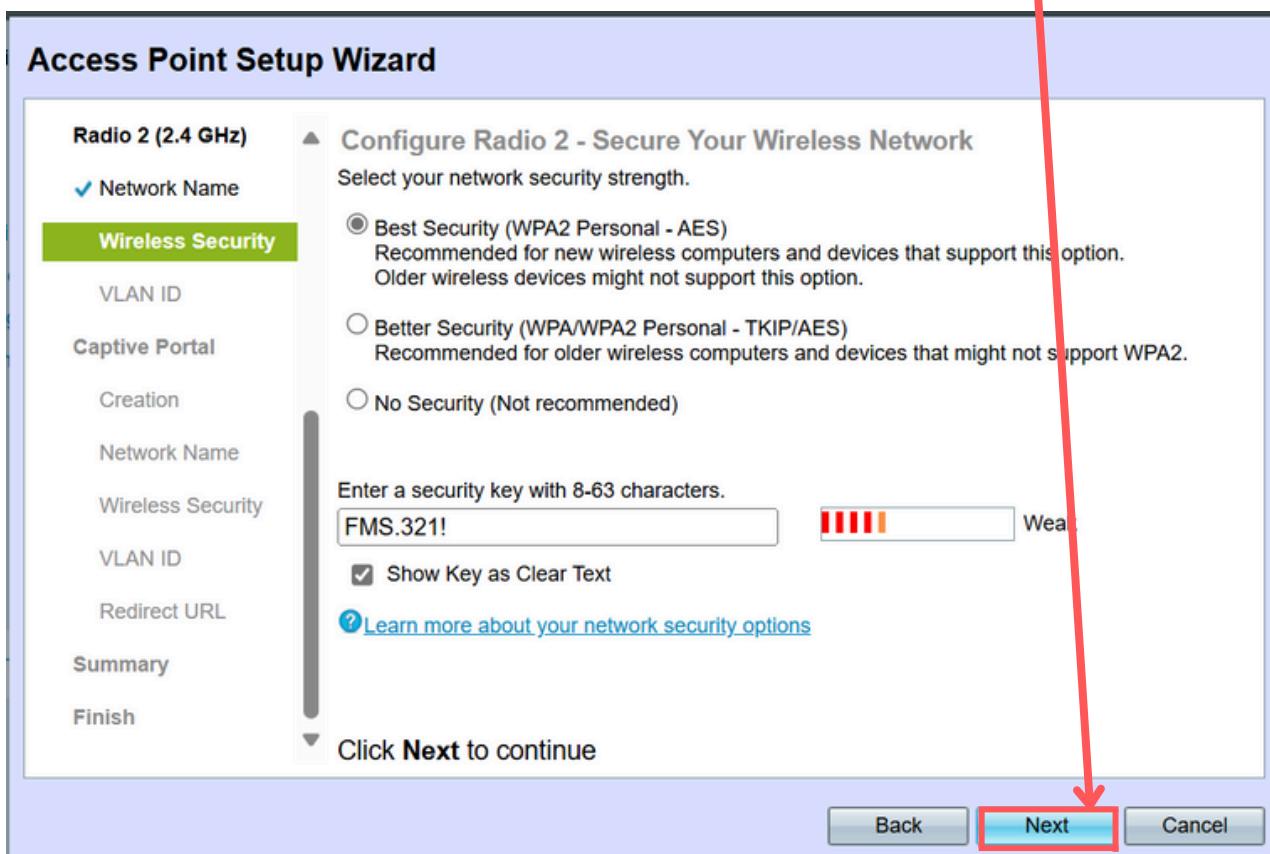
Enter a security key with 8-63 characters.  
  Weak

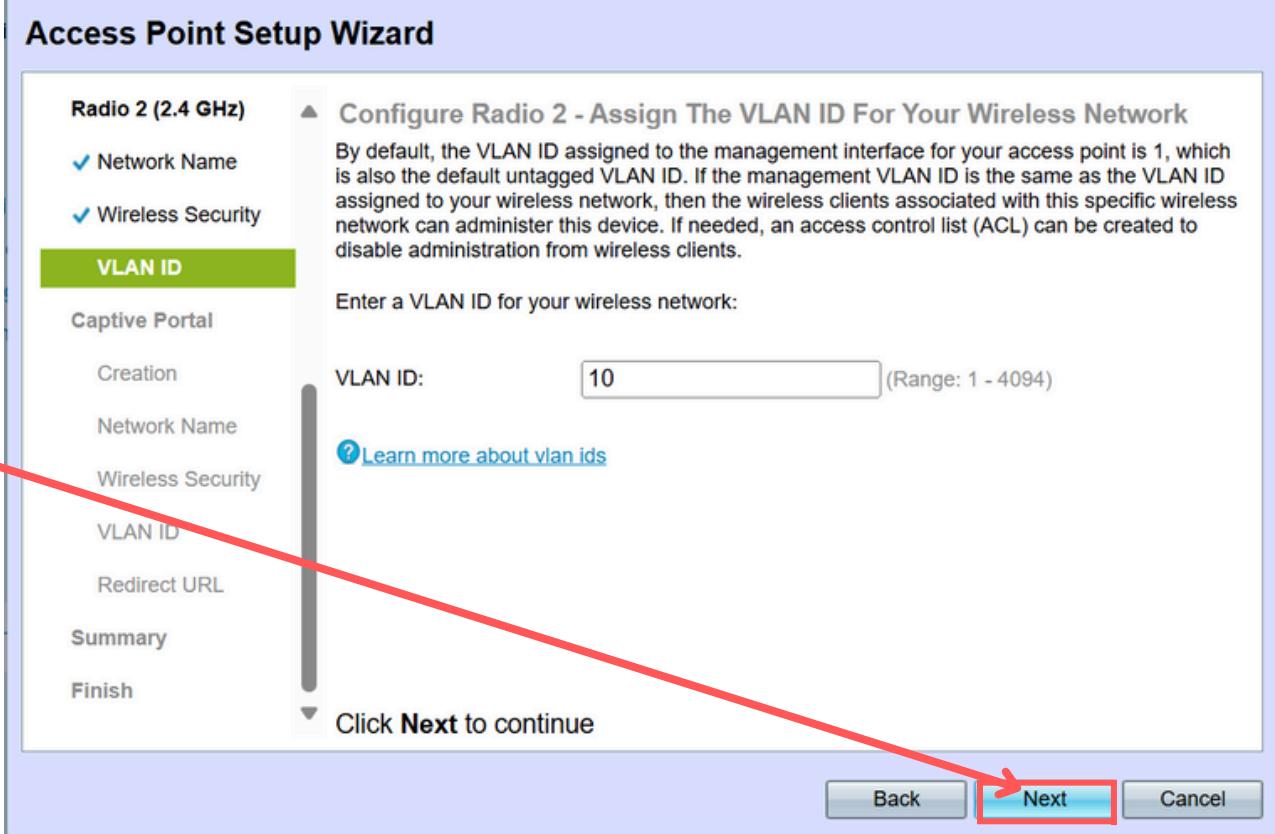
Show Key as Clear Text

[Learn more about your network security options](#)

Click **Next** to continue

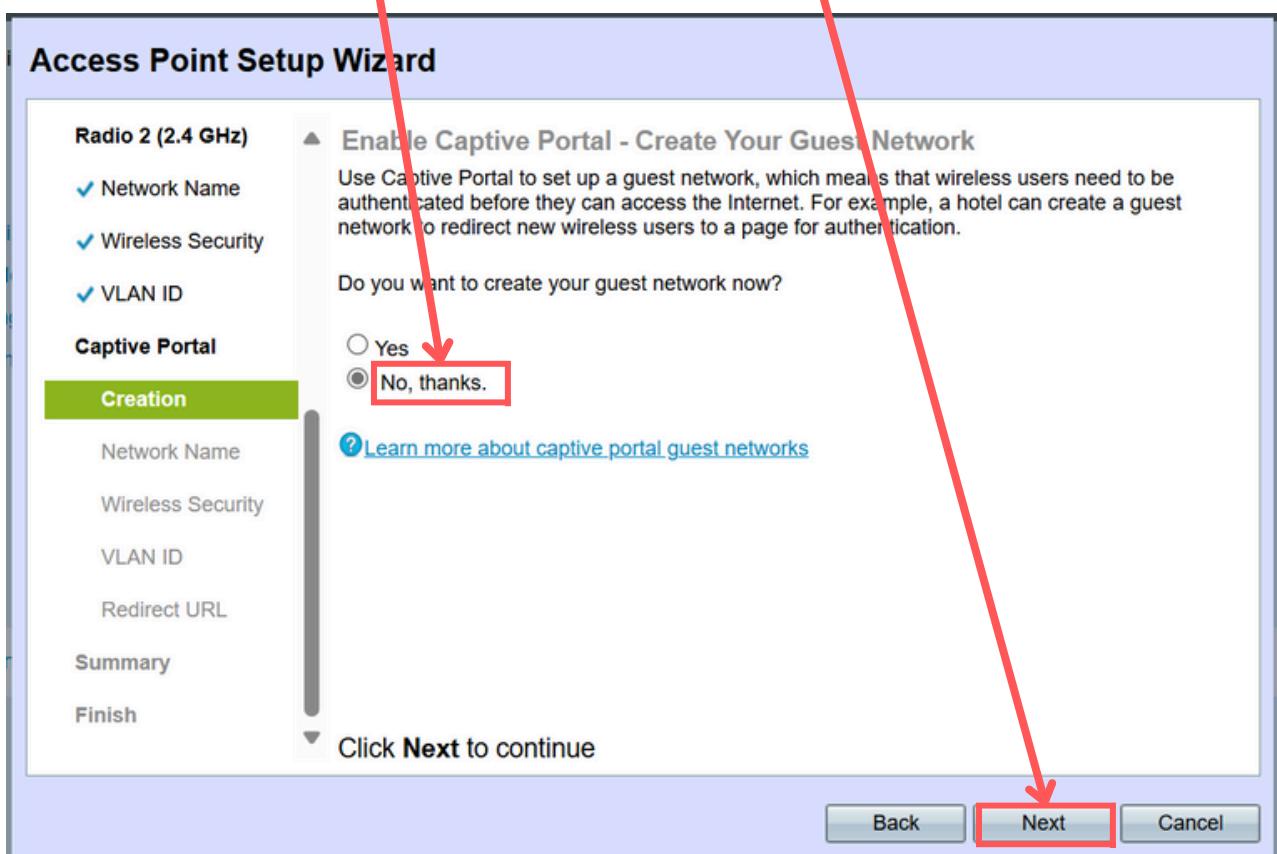
Back **Next** Cancel





### Configuration du réseau invité (optionnel)

Une option pour créer un réseau invité est proposée. Si vous ne souhaitez pas activer cette option, sélectionnez **Non**, puis cliquez sur **Next**.



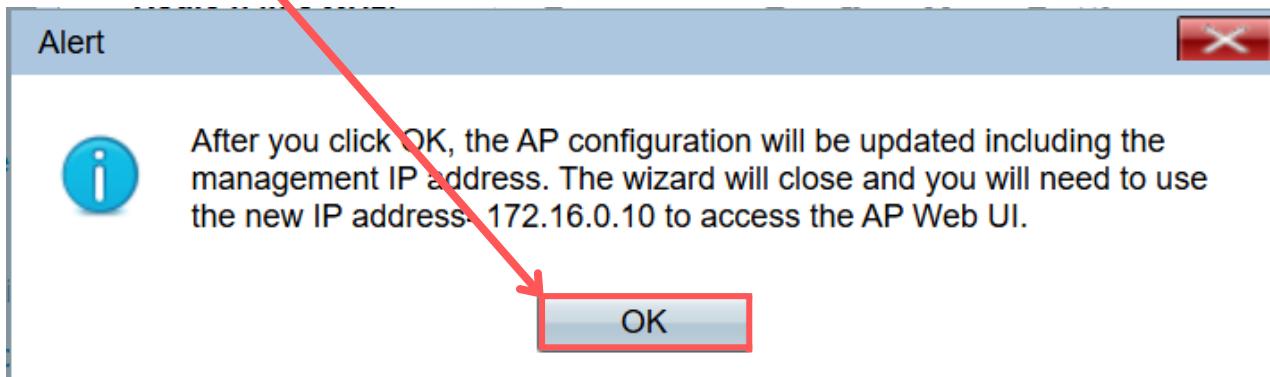
## Récapitulatif et validation

Vérifiez le récapitulatif des paramètres configurés. Si tout est correct, cliquez sur **Submit**.

**Access Point Setup Wizard**

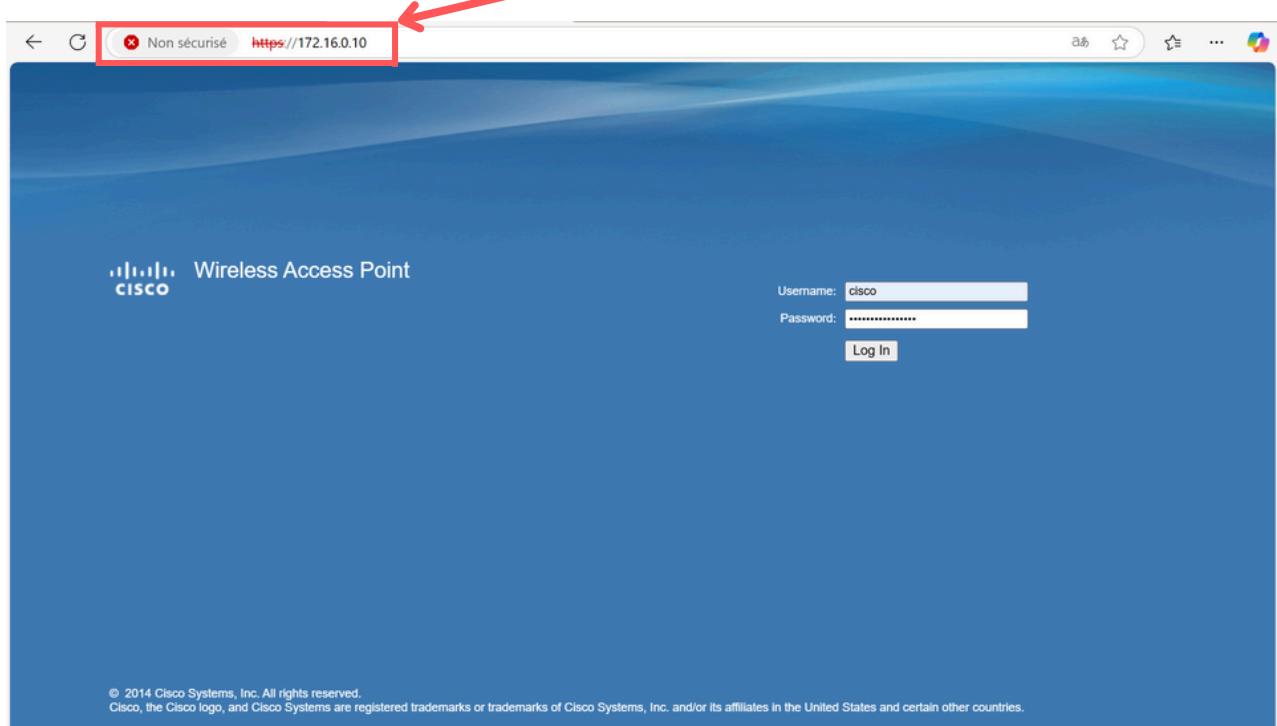
<b>Radio 2 (2.4 GHz)</b>	<b>Summary - Confirm Your Settings</b>
✓ Network Name	Please review the following settings and ensure the data is correct.
✓ Wireless Security	Radio 1 (5 GHz)
✓ VLAN ID	Network Name (SSID): FMS 5GHz Network Security Type: WPA2 Personal - AES Security Key: FMS.321! VLAN ID: 10
<b>Captive Portal</b>	Radio 2 (2.4 GHz)
✓ Creation	Network Name (SSID): FMS 2.4GHz Network Security Type: WPA2 Personal - AES Security Key: FMS.321! VLAN ID: 10
Network Name	Note: Radio1 and Radio2 will be enabled after clicking Submit.
Wireless Security	
VLAN ID	
Redirect URL	
<b>Summary</b>	Click <b>Submit</b> to enable settings on your Cisco Systems, Inc Access Point
Finish	<b>Back</b> <b>Submit</b> <b>Cancel</b>

Cliquez ensuite sur **OK** pour finaliser.



## Redémarrage et reconnexion

Redémarrez la borne si nécessaire, puis reconnectez vous avec l'adresse IP définie lors de la configuration initiale.

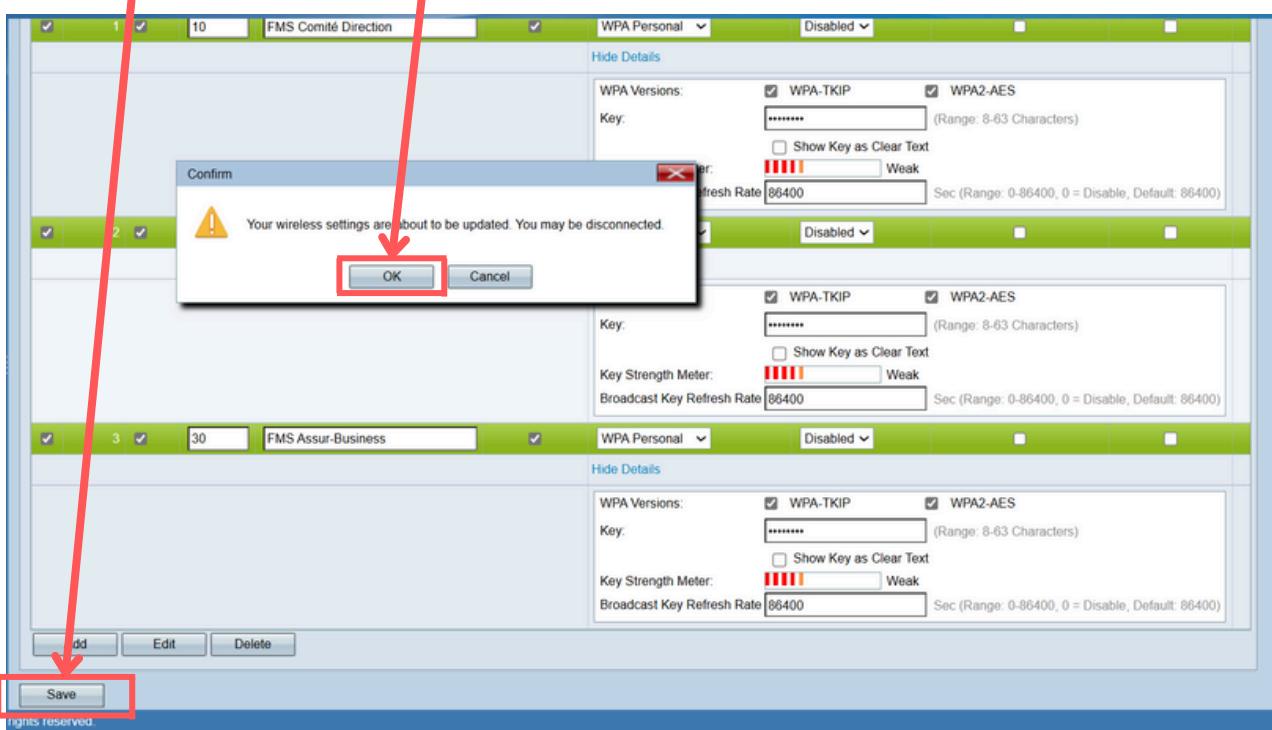


Configurez les VLANs en ajoutant les informations suivantes :

- **ID VLAN**
- **Nom**
- **Type de sécurité (WPA recommandé)**
- **Mot de passe du réseau**

The screenshot shows the Cisco WAP371 Wireless-AC/N Dual Radio Access Point configuration interface. On the left, a navigation menu is visible with sections like Getting Started, Run Setup Wizard, Status and Statistics, Administration, LAN, Wireless (selected), Radio, Rogue AP Detection, Networks (selected), Wireless Multicast Forwarder, Scheduler, Scheduler Association, Bandwidth Utilization, MAC Filtering, WDS Bridge, WorkGroup Bridge, QoS, System Security, Client QoS, SNMP, Single Point Setup, and Captive Portal. The main content area has a title "WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup". Under the "Networks" section, there is a note "Select the radio interface first and then enter the configuration parameters." followed by a radio button group for "Radio" with options "Radio 1 (5 GHz)" (selected) and "Radio 2 (2.4 GHz)". Below this is a table titled "Virtual Access Points (SSIDs)". The table has columns: VAP No., Enable, VLAN ID, SSID Name, SSID Broadcast, Security, MAC Filter, Channel Isolation, and Band Steer. There are four rows in the table. The first row (VAP 0) has "Enable" checked, "VLAN ID" 1, "SSID Name" FMS 5GHz, "Security" set to "WPA Personal", and "MAC Filter" set to "Disabled". The second row (VAP 1) has "Enable" checked, "VLAN ID" 10, "SSID Name" FMS Comité Direction, "Security" set to "WPA Personal", and "MAC Filter" set to "Disabled". The third row (VAP 2) has "Enable" checked, "VLAN ID" 20, "SSID Name" FMS Compta/Finance, "Security" set to "WPA Personal", and "MAC Filter" set to "Disabled". The fourth row (VAP 3) has "Enable" checked, "VLAN ID" 30, "SSID Name" FMS Assur-Business, "Security" set to "WPA Personal", and "MAC Filter" set to "Disabled". Red arrows highlight the "Radio 1 (5 GHz)" selection, the "WPA Personal" security setting in the table, and the "WPA Versions" and "Key" fields in the "Hide Details" panel for the first SSID row. The bottom of the page includes a copyright notice: "© 2014 Cisco Systems, Inc. All rights reserved."

Cliquez sur **Save**, puis sur **OK**.



Résultat :

The screenshot shows the "Networks" configuration page under the "Virtual Access Points (SSIDs)" tab. The table lists four SSIDs: "FMS 5GHz", "FMS Comité Direction 5GHz", "FMS Compta/Finance 5GHz", and "FMS Assur-Business 5GHz". Each row has a "Show Details" link. The "Save" button at the bottom left is highlighted by a red box.

VAP No.	Enable	VLAN ID	SSID Name	SSID Broadcast	Security	MAC Filter	Channel Isolation	Band Steer
0	<input checked="" type="checkbox"/>	1	FMS 5GHz	<input checked="" type="checkbox"/>	WPA Personal	Disabled	<input type="checkbox"/>	<input type="checkbox"/>
1	<input checked="" type="checkbox"/>	10	FMS Comité Direction 5GHz	<input checked="" type="checkbox"/>	WPA Personal	Disabled	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	20	FMS Compta/Finance 5GHz	<input checked="" type="checkbox"/>	WPA Personal	Disabled	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	30	FMS Assur-Business 5GHz	<input checked="" type="checkbox"/>	WPA Personal	Disabled	<input type="checkbox"/>	<input type="checkbox"/>

## Répétition des manipulations pour Radio 2

Effectuez les mêmes manipulations pour Radio 2.

The screenshot shows the 'Networks' configuration page. The left sidebar has a 'Wireless' section with 'Radio' selected. The main area shows 'Virtual Access Points (SSIDs)'. There are four entries:

VAP No.	Enable	VLAN ID	SSID Name	SSID Broadcast	Security	MAC Filter	Channel Isolation	Band Steer
0	<input checked="" type="checkbox"/>	1	FMS 2.4GHz	<input checked="" type="checkbox"/>	WPA Personal	Disabled	<input type="checkbox"/>	<input type="checkbox"/>
1	<input checked="" type="checkbox"/>	10	FMS Comité Direction 2.4GHz	<input checked="" type="checkbox"/>	WPA Personal	Disabled	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	20	FMS Compta/Finance 2.4GHz	<input checked="" type="checkbox"/>	WPA Personal	Disabled	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	30	FMS Assur-Business 2.4GHz	<input checked="" type="checkbox"/>	WPA Personal	Disabled	<input type="checkbox"/>	<input type="checkbox"/>

Each row has a 'Show Details' link. The first row's details are expanded, showing WPA settings: WPA Versions (WPA-TKIP, WPA2-AES), Key (redacted), Key Strength Meter (Weak), and Broadcast Key Refresh Rate (86400). The second row's details are also expanded, showing similar settings.

Résultat :

The screenshot shows the same 'Networks' configuration page after the manipulation. The 'Radio' selection dropdown now shows 'Radio 1 (5 GHz)' instead of 'Radio 2 (2.4 GHz)'. The rest of the interface is identical to the previous screenshot, showing the four SSID configurations and their details.

## Vérification finale

Accédez à **LAN > VLAN and IPv4 Address** pour vérifier les paramètres configurés.

The screenshot shows the Cisco WAP371 configuration interface. The left sidebar has a green highlighted section labeled 'LAN' containing 'Port Settings', 'VLAN and IPv4 Address' (which is also underlined in red), 'IPv6 Addresses', 'IPv6 Tunnel', and 'LLDP'. A red arrow points from the red underline in the text above to this 'VLAN and IPv4 Address' link. The main content area is titled 'VLAN and IPv4 Address' and contains three sections: 'Global Settings', 'IPv4 Settings', and 'DHCP Auto Configuration Settings'. In 'Global Settings', MAC Address is 00:B1:E3:25:3F:A0, Untagged VLAN is enabled with ID 1, and Management VLAN ID is 1. In 'IPv4 Settings', Connection Type is set to 'Static IP' with address 172.16.0.10, subnet mask 255.255.255.0, and default gateway 172.16.0.254. Domain Name Servers are set to 'Manual' with address 172.16.0.1. Under 'DHCP Auto Configuration Settings', 'Enable' is checked, and the TFTP Server IPv4 address/Host Name is set to 'IPv4'.