

TP02 - POINT D'ACCÈS (Documentation Technicien)

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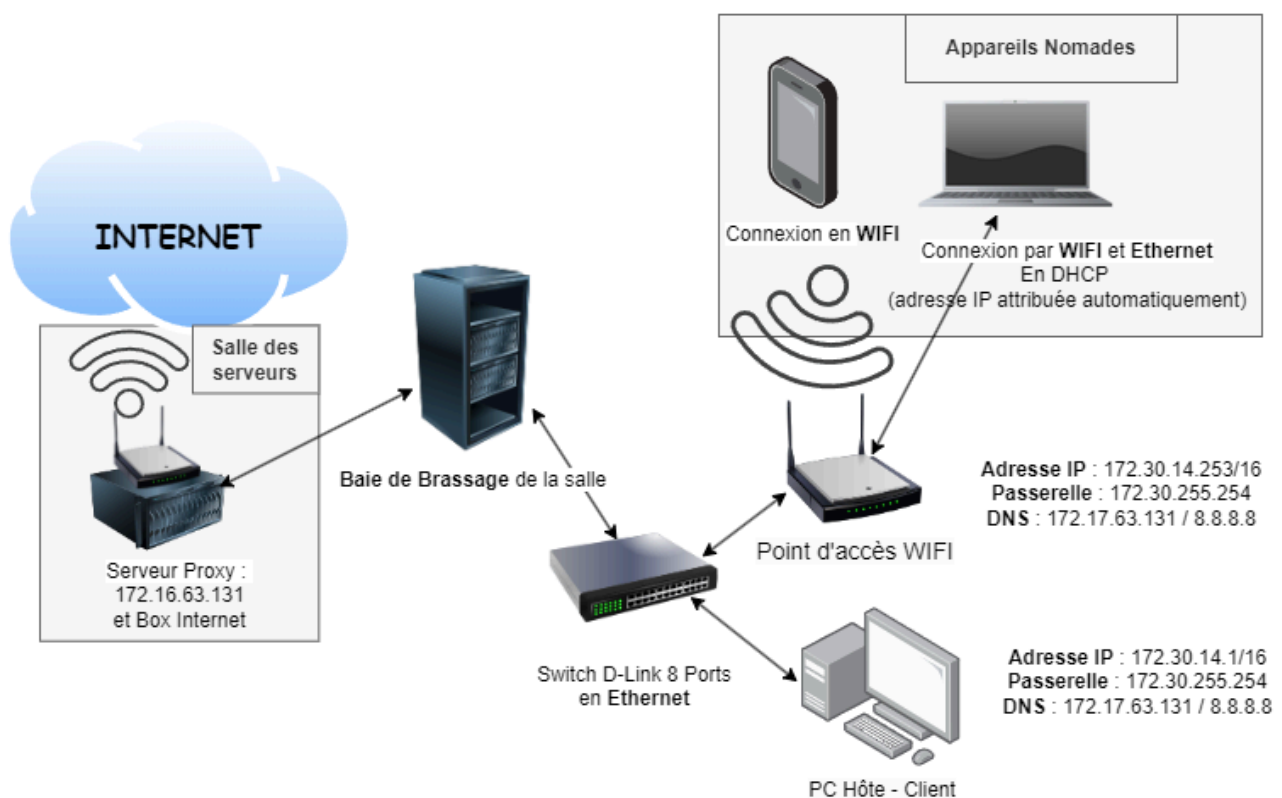
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Introduction :

Dans ce TP, on va faire un faire avec mon coéquipier un point-accès wifi. Dans ce Contre-rendu en vas plus rentrer dans l'aspect technique de notre point d'accès

Notre Point D'accès : **CISCO WAP121 Wireless**

Schéma Réseau :



Configuration du Point D'Accès WiFi :

Maintenant, on va configurer le Point D'Accès Wifi.

1. Effectuer le reset du point d'accès

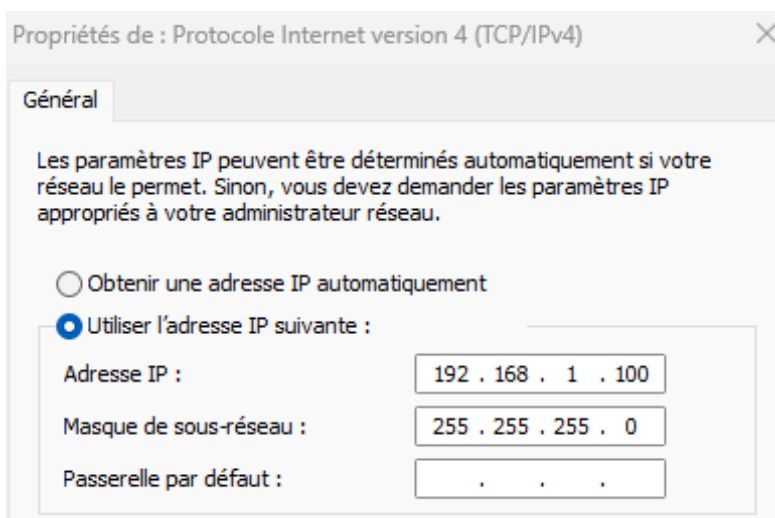
Pour commencer, Il faut prendre une trombone, allez derrière la borne Wifi et appuyer avec le trombone sur un bouton Reset jusqu'à que le Bouton Power devient Rouge :



Cette image nous montre l'arrière du point d'accès.

2. Connexion dans la Box

Ensuite, il faut prendre un câble RJ45 et on va tout d'abord, le connecter directement dans l'ordinateur ou on va configurer. Puis, changer l'adresse IP de l'ordinateur. et enfin on va se connecter sur le site web embarqué du point d'accès.



Cette Image nous montre l'adresse IP de l'ordinateur à mettre pour se connecter au points d'accès.

NB : L'adresse IP en DHCP du points d'accès quand il est reset se fait en l'adresse IP 192.168.1.100 - 192.168.1.253.

NB2 : désactiver l'adresse IP du Proxy en cas de connexion internet avec une serveur Proxy.



Cette image nous montre le site embarqué du point d'accès.

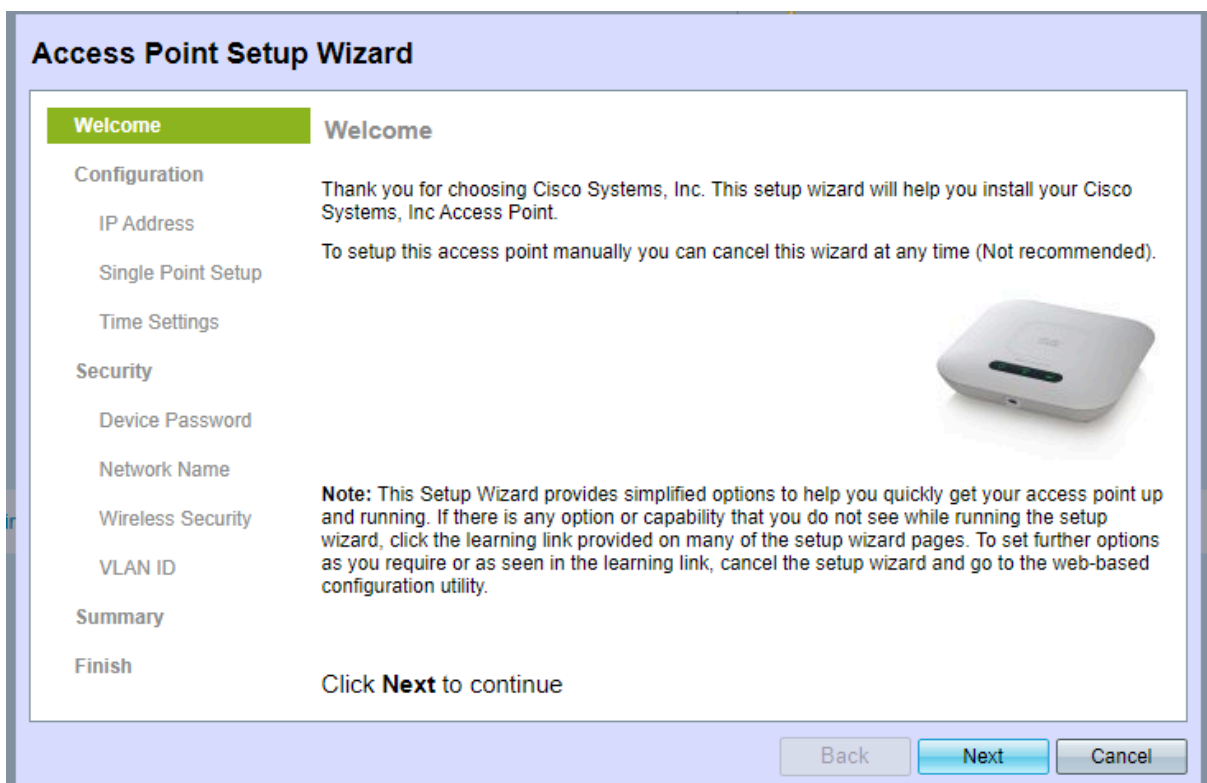
NB : la connexion sur le Site embarqué quand il réinitialisées le Nom et le Mot de Passe :

Nom : cisco

MDP : cisco

3. Configuration du Point D'accès.

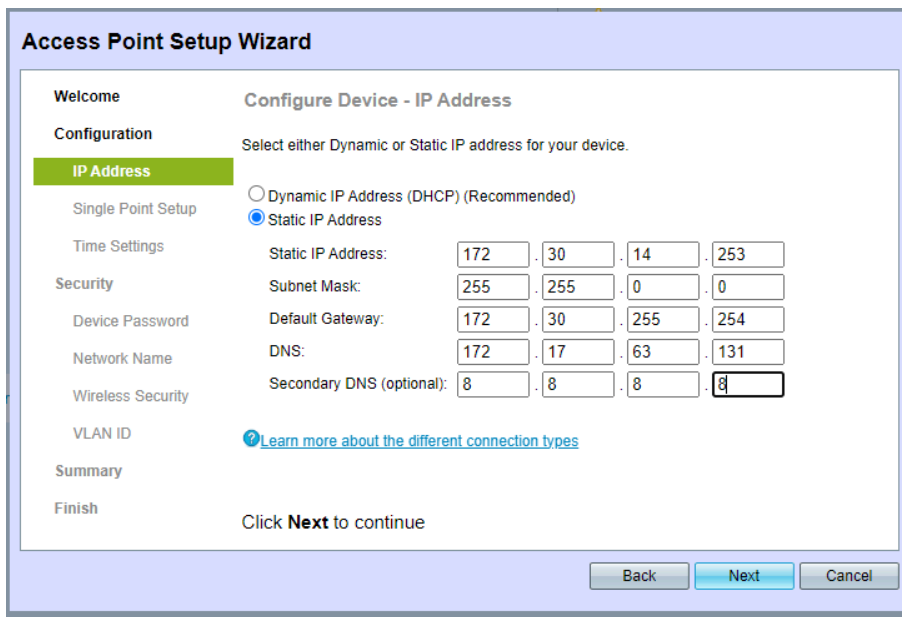
Une fois, on se connecte sur le site Embarqué. Le site nous propose la configuration du Point D'accès directement.



Cette image nous montre la page de première configuration du point d'accès.

On va tout d'abord, configurer l'adresse IP de la box pour se connecter sur le Point D'accès :

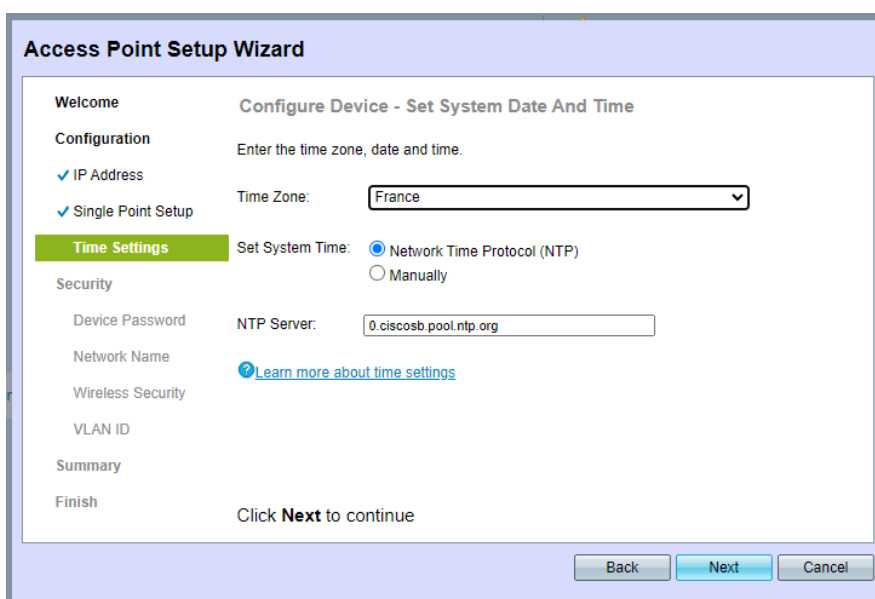
Adresse IP : 172.30.14.253
Masque de Sous-Reseau : 255.255.0.0
Passerelle : 172.30.255.254
DNS / 172.17.17.63.131 / 8.8.8.8



The screenshot shows the 'Access Point Setup Wizard' window. The left sidebar contains a list of configuration steps: Welcome, Configuration, IP Address (highlighted), Time Settings, Security, Device Password, Network Name, Wireless Security, VLAN ID, Summary, and Finish. The main area is titled 'Configure Device - IP Address' and instructs the user to 'Select either Dynamic or Static IP address for your device.' The 'Static IP Address' option is selected. Below this, there are input fields for Static IP Address (172.30.14.253), Subnet Mask (255.255.0.0), Default Gateway (172.30.255.254), DNS (172.17.63.131), and Secondary DNS (optional) (8.8.8.8). A link 'Learn more about the different connection types' is visible. At the bottom, there are 'Back', 'Next', and 'Cancel' buttons.

Cette image nous montre la page de Configuration point d'accès.

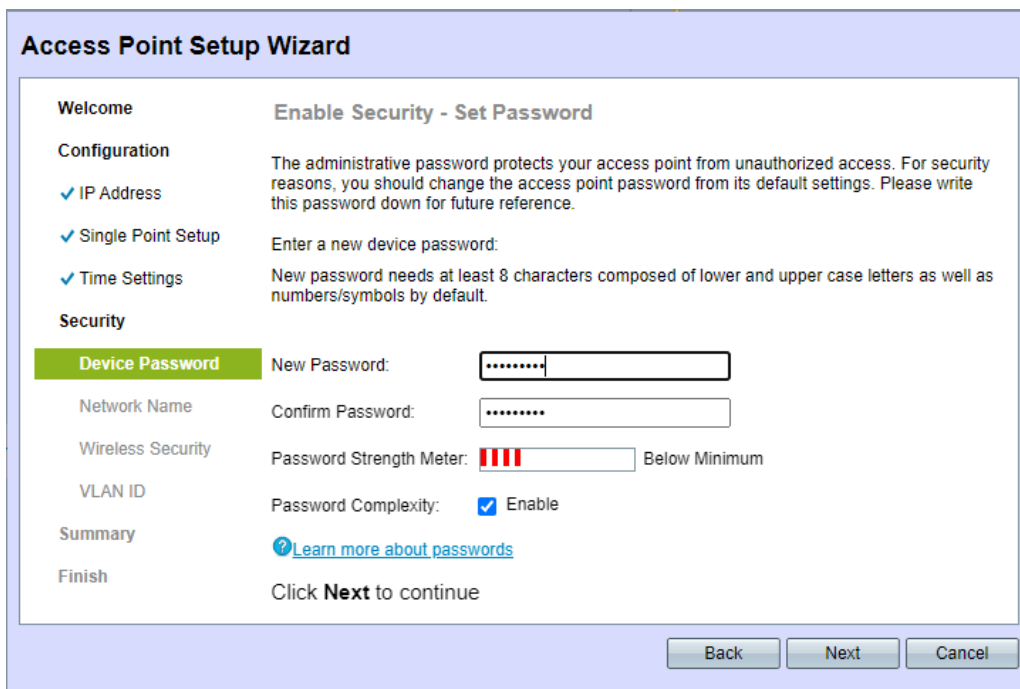
Ensuite, on va configurer le Serveur de Temps, on va juste mettre la zone du temps en Francais.



The screenshot shows the 'Access Point Setup Wizard' window. The left sidebar is the same as the previous screen, but 'Time Settings' is now highlighted. The main area is titled 'Configure Device - Set System Date And Time' and instructs the user to 'Enter the time zone, date and time.' The 'Time Zone' dropdown menu is set to 'France'. The 'Set System Time' section has 'Network Time Protocol (NTP)' selected, with the 'NTP Server' field set to '0.ciscosb.pool.ntp.org'. A link 'Learn more about time settings' is visible. At the bottom, there are 'Back', 'Next', and 'Cancel' buttons.

Cette image nous montre la page de Configuration du serveur de Temps.

Ensuite, on va configurer le mot de passe du point d'accès,
On va mettre le Mot de passe : [REDACTED]



The screenshot shows the 'Access Point Setup Wizard' window, specifically the 'Enable Security - Set Password' step. On the left, a sidebar lists the steps: Welcome, Configuration (with sub-items IP Address, Single Point Setup, and Time Settings), Security (with sub-items Device Password, Network Name, Wireless Security, and VLAN ID), Summary, and Finish. The 'Device Password' step is currently selected and highlighted in green. The main area contains instructions about the administrative password and prompts to enter a new password and confirm it. A password strength meter shows three red bars, indicating the password is 'Below Minimum'. The 'Password Complexity' checkbox is checked and labeled 'Enable'. A link to 'Learn more about passwords' is provided. At the bottom, there are 'Back', 'Next', and 'Cancel' buttons.

Access Point Setup Wizard

Welcome

Configuration

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

Security

- Device Password**
- Network Name
- Wireless Security
- VLAN ID

Summary

Finish

Enable Security - 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: [REDACTED]

Confirm Password: [REDACTED]

Password Strength Meter: [REDACTED] Below Minimum

Password Complexity: ☒ Enable

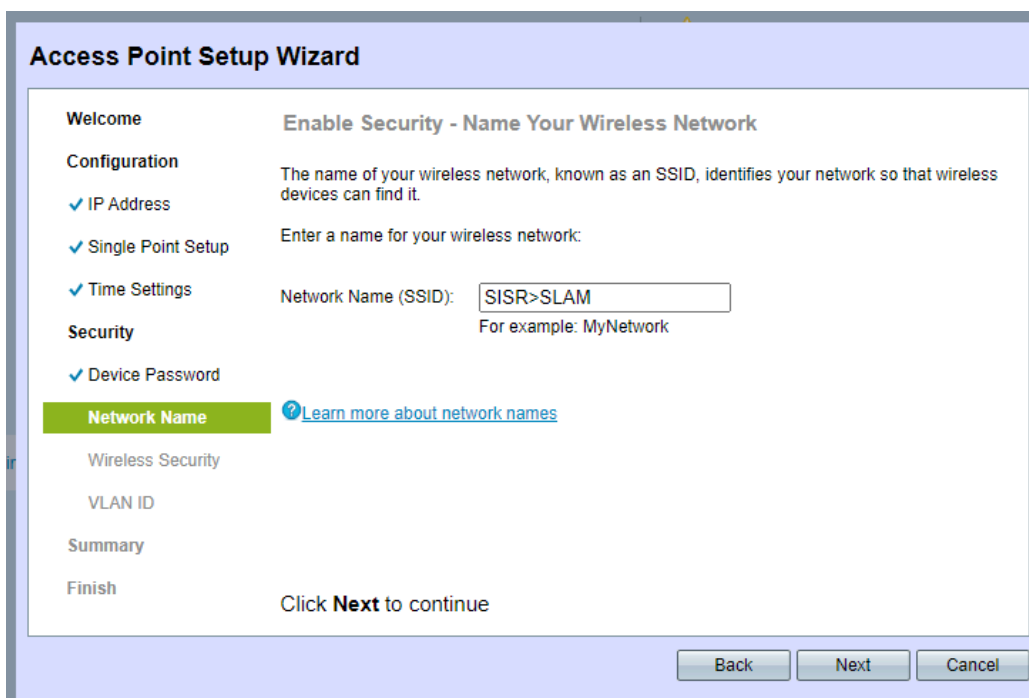
[Learn more about passwords](#)

Click **Next** to continue

Back Next Cancel

Cette image nous montre la page de configuration du mot de passe.

Ensuite, on va configurer le nom du point d'accès,
On va mettre le nom : SISR>SLAM.



The screenshot shows the 'Access Point Setup Wizard' window, specifically the 'Enable Security - Name Your Wireless Network' step. The sidebar on the left is the same as in the previous image, but now the 'Network Name' step is selected and highlighted in green. The main area contains instructions about the SSID and a prompt to enter a name for the wireless network. The 'Network Name (SSID)' field contains the text 'SISR>SLAM'. Below the field, an example 'For example: MyNetwork' is shown. A link to 'Learn more about network names' is provided. At the bottom, there are 'Back', 'Next', and 'Cancel' buttons.

Access Point Setup Wizard

Welcome

Configuration

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

Security

- ✓ Device Password
- Network Name**
- Wireless Security
- VLAN ID

Summary

Finish

Enable Security - 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): SISR>SLAM

For example: MyNetwork

[Learn more about network names](#)

Click **Next** to continue

Back Next Cancel

Cette image nous montre la page de configuration du nom du Point D'accès.

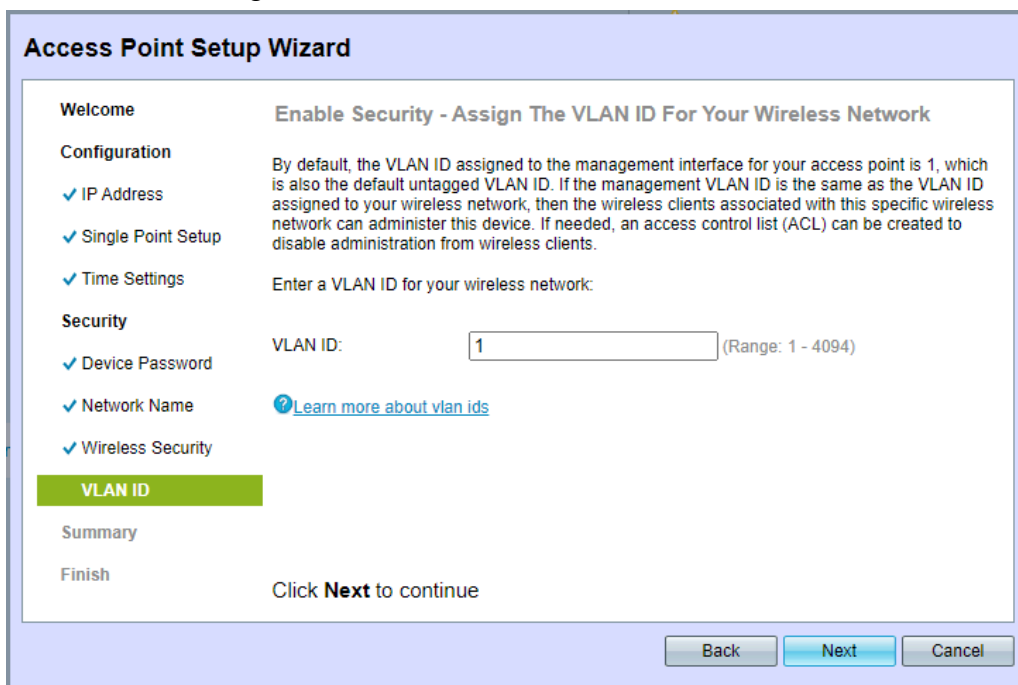
Ensuite, on va configurer le mot de passe de la wifi,



The screenshot shows the 'Access Point Setup Wizard' window. On the left, a sidebar lists steps: Welcome, Configuration, Security, Wireless Security (highlighted), VLAN ID, Summary, and Finish. The main area is titled 'Enable Security - Secure Your Wireless Network'. It asks to 'Select your network security strength.' with three radio button options: 'Best Security (WPA2 Personal - AES)' (selected), 'Better Security (WPA Personal - TKIP/AES)', and 'No Security (Not recommended)'. Below this, it says 'Enter a security key with 8-63 characters.' with a text box containing 'Cisco1425' and a strength indicator showing four red bars and the text 'Below Minimum'. There is a checkbox for 'Show Key as Clear Text' which is checked, and a link to 'Learn more about your network security options'. At the bottom, it says 'Click **Next** to continue' and has 'Back', 'Next', and 'Cancel' buttons.

Cette image nous montre la page de configuration du mot de passe de la wifi.

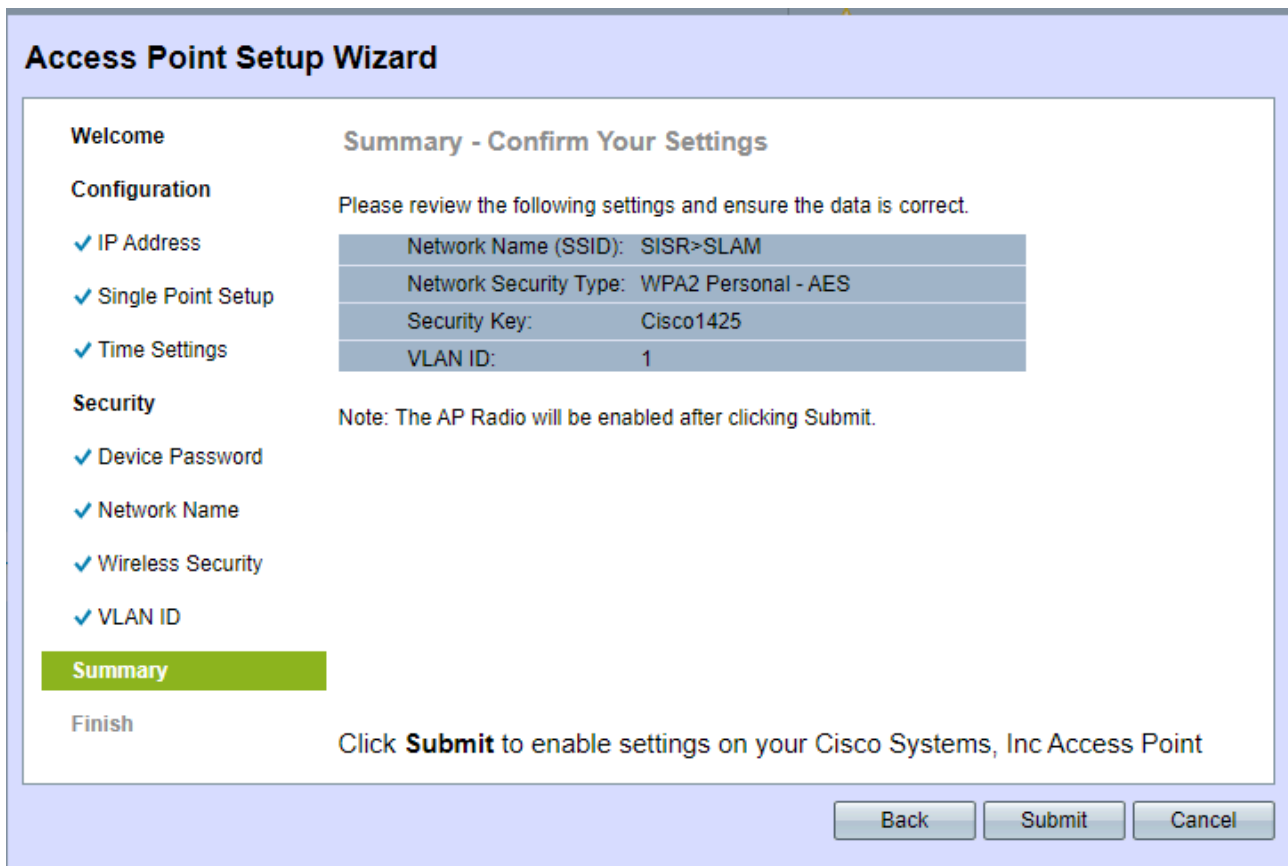
Enfin, on va configurer le vlan du wifi,



The screenshot shows the 'Access Point Setup Wizard' window at the 'VLAN ID' step. The sidebar on the left highlights 'VLAN ID'. The main area is titled 'Enable Security - Assign The VLAN ID For Your Wireless Network'. It contains explanatory text about VLAN IDs and a prompt to 'Enter a VLAN ID for your wireless network:'. Below this, there is a 'VLAN ID:' label, a text box with the value '1', and '(Range: 1 - 4094)' in parentheses. A link to 'Learn more about vlan ids' is present. At the bottom, it says 'Click **Next** to continue' and has 'Back', 'Next', and 'Cancel' buttons.

Cette image nous montre la page de configuration du vlan du wifi.

Et la c'est le résumé de notre configuration :



The image shows a screenshot of the 'Access Point Setup Wizard' interface. The title bar at the top reads 'Access Point Setup Wizard'. The interface is divided into two main sections: a left sidebar and a main content area.

Left Sidebar:

- Welcome**
- Configuration**
 - ✓ IP Address
 - ✓ Single Point Setup
 - ✓ Time Settings
- Security**
 - ✓ Device Password
 - ✓ Network Name
 - ✓ Wireless Security
 - ✓ VLAN ID
- Summary** (highlighted in green)
- Finish**

Main Content Area:

Summary - Confirm Your Settings

Please review the following settings and ensure the data is correct.

Network Name (SSID):	SISR>SLAM
Network Security Type:	WPA2 Personal - AES
Security Key:	Cisco1425
VLAN ID:	1

Note: The AP Radio will be enabled after clicking Submit.

Click **Submit** to enable settings on your Cisco Systems, Inc Access Point

At the bottom right, there are three buttons: **Back**, **Submit**, and **Cancel**.

Cette image nous montre la page de configuration du vlan du wifi.

4. Test du Point D'accès.