

Mise en service d'une borne wifi

Date : 10/02/2023

Version : 1.0

Créateur : Monnier Adrien

Sommaire

- ◉ Contexte
- ◉ Présentation de la borne wifi
- ◉ Configuration initiale de la borne Cisco
- ◉ Comparaison entre 2.4 GHz et 5 GHz
- ◉ Mise en service de la borne

Contexte

- Dans le cadre d'agrandir son rendement et sa superficie, la société Assurmer nous a demandé de mettre en place une borne wifi permettant de donner accès à internet à ses employés et aux visiteurs des locaux.

Présentation de la borne wifi

- La borne wifi qui doit être mise en place est une Cisco wap371.



Configuration de la borne

- Avant toute chose, il faut savoir que l'IP de base de la borne est 192.168.1.245
- Une fois cette IP rentrée sur une page internet, le login et le mot de passe sont très souvent « cisco » « cisco »

De ce fait, une fois connecté vous aurez cette page

WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup

Getting Started

Run Setup Wizard

Status and Statistics

Administration

LAN

Wireless

System Security

Client QoS

SNMP

Single Point Setup

Captive Portal

Use the following links to quickly configure:

Initial Setup

- Run Setup Wizard
- Configure Radio Settings
- Configure Wireless Network Setting
- Configure LAN Settings
- Configure Single Point Setup

Device Status

- System Summary
- Wireless Status

Other Resources: [Support](#) | [Forums](#)


Access Point Setup Wizard

Welcome

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

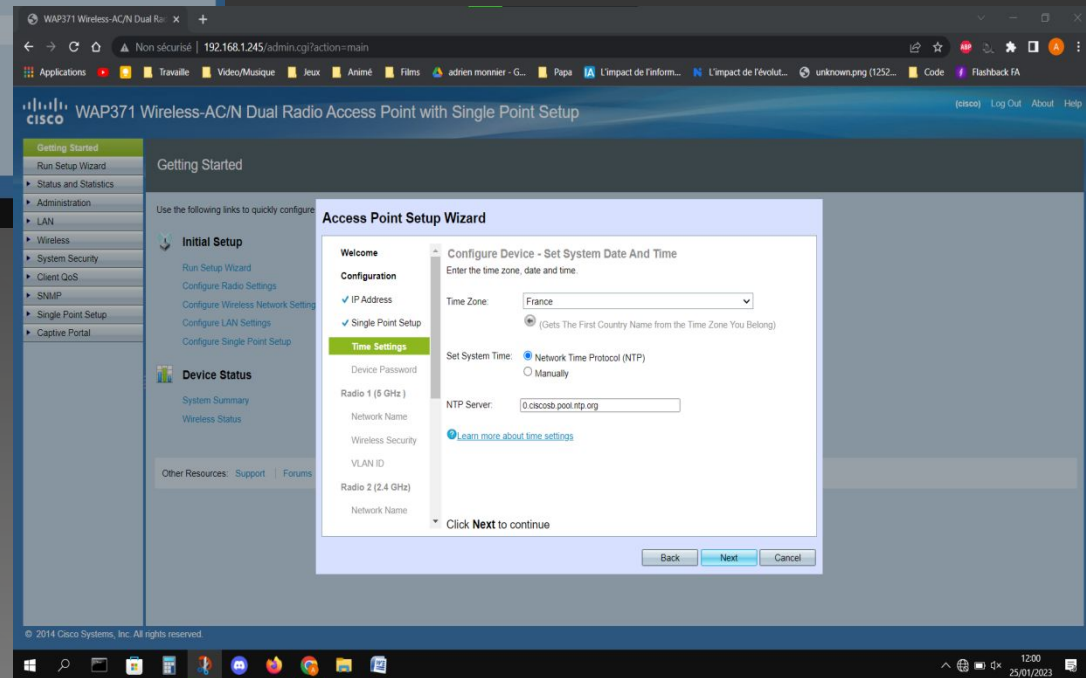
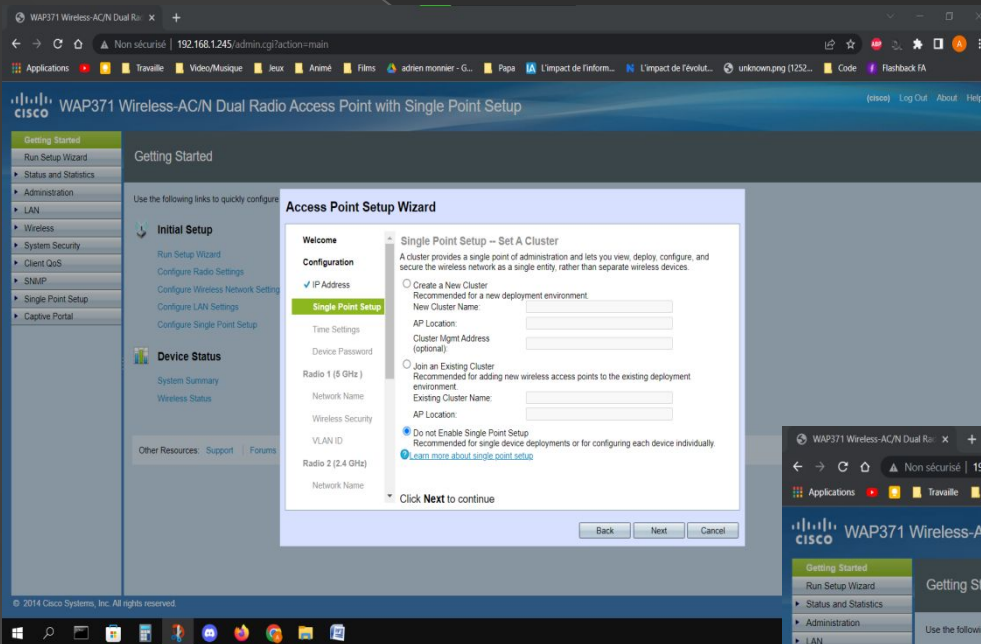
© 2014 Cisco Systems, Inc. All rights reserved.

11:58
25/01/2023

- Il faudra donc définir l'IP qui nous souhaitons, dans notre cas il s'agit de 172.16.0.10 / 24

The screenshot shows the Cisco WAP371 configuration interface. The browser address bar displays "192.168.1.245/admin.cgi?action=main". The page title is "WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup". The left sidebar contains a navigation menu with sections: "Getting Started" (Run Setup Wizard, Status and Statistics, Administration, LAN, Wireless, System Security, Client QoS, SNMP, Single Point Setup, Captive Portal), "Initial Setup" (Run Setup Wizard, Configure Radio Settings, Configure Wireless Network Settings, Configure LAN Settings, Configure Single Point Setup), and "Device Status" (System Summary, Wireless Status). The main content area shows "Getting Started" with a sub-section "Initial Setup". A modal window titled "Access Point Setup Wizard" is open, showing the "Configure Device - IP Address" step. The wizard has a "Welcome" section and a "Configuration" section. Under "Configuration", the "IP Address" sub-section is active. It offers two options: "Dynamic IP Address (DHCP) (Recommended)" and "Static IP Address" (selected). The "Static IP Address" section contains the following fields: "Static IP Address" (172, 16, 0, 10), "Subnet Mask" (255, 255, 255, 0), "Default Gateway" (172, 16, 0, 254), "DNS" (empty), and "Secondary DNS (optional)" (empty). A link "Learn more about the different connection types" is visible. At the bottom of the wizard, there are "Back", "Next", and "Cancel" buttons. The footer of the page reads "© 2014 Cisco Systems, Inc. All rights reserved." and the Windows taskbar shows the time as 11:59 on 25/01/2023.

○ Certaines options de la configuration initiale ne sont pas nécessaires.



○ Comme choisir la langue



- Dans notre cas, nous ne mettrons pas encore de mot de passe pour pouvoir nous connecter plus facilement à la prochaine connexion.

The screenshot displays the Cisco WAP371 configuration web interface. The browser address bar shows the URL `192.168.1.245/admin.cgi?action=main`. The page title is "WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup".

The "Getting Started" section is active, showing the "Initial Setup" wizard. A modal dialog box titled "Confirm (IEEE802.3at PSE or power adapter recommended)" is displayed in the foreground. The dialog contains the following text:

If you enable the 5 GHz radio with 80 MHz bandwidth and if the radio carries a high amount of traffic, then the WAP device will need more power than what the IEEE 802.3af PoE standard provides (12.95 W). It is highly recommended that when 80MHz channel is in use, the WAP device should either be powered by a Power Adapter or an IEEE 802.3at Power Source Equipment (PSE). If the required power by the WAP device exceeds the maximum power delivered by the PSE, then the WAP device may reboot.

The dialog has "OK" and "Cancel" buttons. In the background, the "Access Point Setup Wizard" is visible, showing fields for "Network Name", "Wireless Security", "VLAN ID", and "Radio 2 (2.4 GHz)". A "Password Strength Meter" is also visible, showing a low strength level.

At the bottom of the interface, the copyright notice reads: "© 2014 Cisco Systems, Inc. All rights reserved." The system tray shows the date and time as "25/01/2023 12:01".

- Après toutes ces actions, nous rentrerons ici dans la configuration du wifi en 2.4GHz et la 5GHz.



⦿ Tout d'abord, nous commencerons par l'accès wifi en 5 GHz = Nom

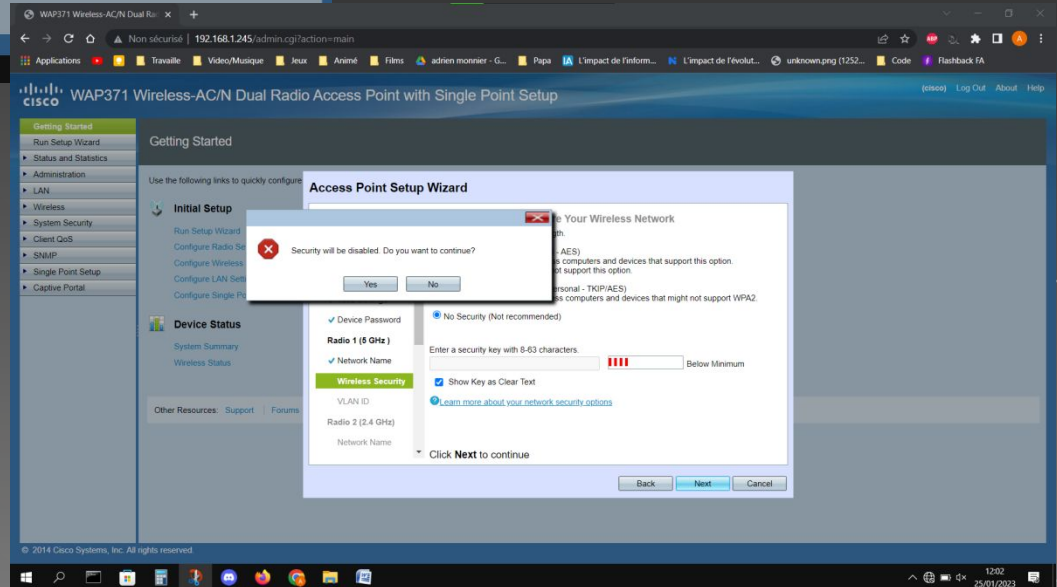
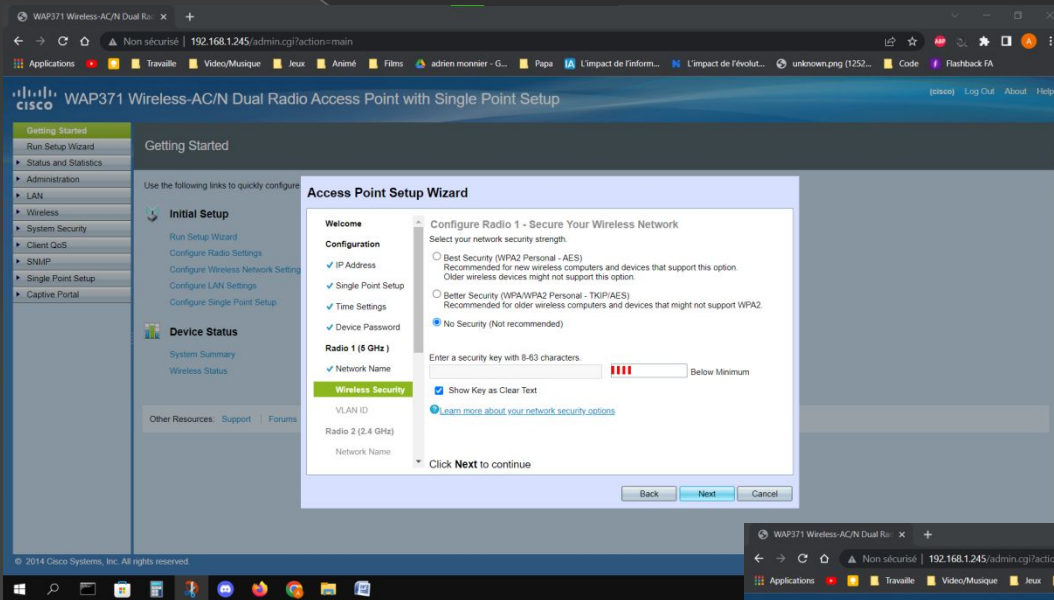
The screenshot shows a web browser window displaying the Cisco WAP371 configuration interface. The browser's address bar shows the URL `192.168.1.245/admin.cgi?action=main`. The page title is "WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup".

The interface features a left-hand navigation menu with sections like "Getting Started", "Administration", "LAN", "Wireless", "System Security", "Client QoS", "SNMP", "Single Point Setup", and "Captive Portal". The "Getting Started" section is expanded, showing "Initial Setup" and "Device Status" options.

The main content area displays the "Access Point Setup Wizard" dialog box. The wizard is titled "Configure Radio 1 - Name Your Wireless Network". It includes a "Configuration" section with checked items: "IP Address", "Single Point Setup", "Time Settings", and "Device Password". The "Radio 1 (6 GHz)" section is active, and the "Network Name" sub-section is highlighted. A text input field for "Network Name (SSID)" contains the value "lilot-4". Below the input field, there is a link to "Learn more about network names". At the bottom of the wizard, there are "Back", "Next", and "Cancel" buttons.

The footer of the page contains the copyright notice: "© 2014 Cisco Systems, Inc. All rights reserved." The Windows taskbar at the bottom shows the time as 12:01 on 25/01/2023.

⦿ Tout d'abord, nous commencerons par l'accès wifi en 5 GHz = Mots de passe



- ⦿ Tout d'abord, nous commencerons par l'accès wifi en 5 GHz = Vlan Admin

WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup

(cisco) Log Out About Help

Getting Started

Run Setup Wizard

Status and Statistics

Administration

LAN

Wireless

System Security

Client QoS

SNMP

Single Point Setup

Captive Portal

Getting Started

Use the following links to quickly configure:

Initial Setup

Run Setup Wizard

Configure Radio Settings

Configure Wireless Network Settings

Configure LAN Settings

Configure Single Point Setup

Device Status

System Summary

Wireless Status

Other Resources: [Support](#) | [Forums](#)

© 2014 Cisco Systems, Inc. All rights reserved.

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

Click **Next** to continue

Back Next Cancel

Configure Radio 1 - Assign The VLAN ID For Your Wireless Network

By default, the VLAN ID assigned to the management interface for your access point is 1, which is also the default untagged VLAN ID. If the management VLAN ID is the same as the VLAN ID assigned to your wireless network, then the wireless clients associated with this specific wireless network can administer this device. If needed, an access control list (ACL) can be created to disable administration from wireless clients.

Enter a VLAN ID for your wireless network:

VLAN ID: (Range: 1 - 4094)

[Learn more about vlan ids](#)

- Pour ensuite devoir configurer l'accès wifi en 2.4 GHz = Nom

The screenshot displays the Cisco WAP371 configuration web interface. The browser address bar shows the URL `192.168.1.245/admin.cgi?action=main`. The page title is "WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup".

The interface is divided into a left sidebar and a main content area. The sidebar includes sections for "Getting Started", "Initial Setup", and "Device Status". The "Initial Setup" section is expanded, showing options like "Run Setup Wizard", "Configure Radio Settings", and "Configure Single Point Setup".

The main content area displays the "Access Point Setup Wizard" for "Radio 2 (2.4 GHz)". The wizard is currently on the "Configure Radio 2 - Name Your Wireless Network" step. The "Configuration" section is checked, and the "Radio 2 (2.4 GHz)" section is selected. The "Network Name" field is highlighted in green, and the text "llot-4" is entered. Below the field, it says "For example: MyNetwork". A "Learn more about network names" link is also visible.

At the bottom of the wizard, there are "Back", "Next", and "Cancel" buttons. The "Next" button is highlighted in blue.

The footer of the page contains the copyright notice: "© 2014 Cisco Systems, Inc. All rights reserved." and the system tray shows the date and time: "25/01/2023 12:03".

- Pour ensuite devoir configurer l'accès wifi en 2.4 GHz = Mots de passe

WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup

Getting Started

Run Setup Wizard

Status and Statistics

Administration

LAN

Wireless

System Security

Client QoS

SNMP

Single Point Setup

Captive Portal

Initial Setup

Run Setup Wizard

Configure Radio Settings

Configure Wireless Network Setting

Configure LAN Settings

Configure Single Point Setup

Device Status

System Summary

Wireless Status

Other Resources: [Support](#) | [Forums](#)

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

© 2014 Cisco Systems, Inc. All rights reserved.

12:03 25/01/2023

○ Pour ensuite devoir configurer l'accès wifi en 2.4 GHz = Vlan Admin

WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup

Getting Started

Initial Setup

Device Status

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 - Assign The VLAN ID For Your Wireless Network

By default, the VLAN ID assigned to the management interface for your access point is 1, which is also the default untagged VLAN ID. If the management VLAN ID is the same as the VLAN ID assigned to your wireless network, then the wireless clients associated with this specific wireless network can administer this device. If needed, an access control list (ACL) can be created to disable administration from wireless clients.

Enter a VLAN ID for your wireless network:

VLAN ID: (Range: 1 - 4094)

[Learn more about vlan ids](#)

Click **Next** to continue

Back Next Cancel

© 2014 Cisco Systems, Inc. All rights reserved.

12:03
25/01/2023

- Après toutes ces actions, il nous sera demandé si la borne doit créer une page web de connexion, dans ce cas nous mettrons « NON ».

The screenshot shows the Cisco WAP371 configuration web interface. The main navigation menu on the left includes sections like 'Getting Started', 'Administration', 'LAN', 'Wireless', and 'System Security'. The 'Captive Portal' option is selected in the left sidebar. The central content area displays the 'Access Point Setup Wizard' dialog box. This wizard is currently on the 'Creation' step of the 'Captive Portal' configuration. It lists several configuration items: 'Radio 2 (2.4 GHz)', 'Network Name', 'Wireless Security', and 'VLAN ID', all of which are checked. The 'Captive Portal' section is expanded to show the 'Creation' sub-section. A text box explains that the captive portal is used to set up a guest network. Below this, a question asks 'Do you want to create your guest network now?'. Two radio buttons are present: 'Yes' and 'No, thanks.'. The 'No, thanks.' option is selected. A link for 'Learn more about captive portal guest networks' is also visible. At the bottom of the dialog, there are 'Back', 'Next', and 'Cancel' buttons. The 'Next' button is highlighted in blue. The browser's address bar shows the URL '192.168.1.245/admin.cgi?action=main'. The system tray at the bottom of the screen shows the date as 25/01/2023 and the time as 12:04.

- Pour finir, à la fin de la configuration, il nous sera montré les paramètres du 5 GHz et du 2.4 GHz.

WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup

Getting Started

Use the following links to quickly configure:

- Initial Setup
 - Run Setup Wizard
 - Configure Radio Settings
 - Configure Wireless Network Settings
 - Configure LAN Settings
 - Configure Single Point Setup
- Device Status
 - System Summary
 - Wireless Status

Other Resources: [Support](#) | [Forums](#)

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

Summary - Confirm Your Settings

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

Radio 1 (5 GHz)

Network Name (SSID):	ilot-4
Network Security Type:	plain-text
Security Key:	
VLAN ID:	1

Radio 2 (2.4 GHz)

Network Name (SSID):	ilot-4
Network Security Type:	plain-text
Security Key:	
VLAN ID:	1

Note: Radio1 and Radio2 will be enabled after clicking Submit.

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

Back Submit Cancel

© 2014 Cisco Systems, Inc. All rights reserved.

12:04
25/01/2023

- Après avoir appuyé sur « suivant » à la page précédente, il nous sera indiqué que la borne wifi cisco changera d'adresse ip. Cela signifie qu'à la prochaine connexion, il faudra rentrer 172.16.0.10 dans notre page web.

The screenshot displays the Cisco WAP371 configuration web interface. The browser address bar shows the URL `192.168.1.245/admin.cgi?action=main`. The page title is "WAP371 Wireless-AC/N Dual Radio Access Point with Single Point Setup".

The main content area is titled "Getting Started" and contains an "Access Point Setup Wizard" window. The wizard is currently on the "Summary" step, showing the following configuration details:

- Creation:
- Network Name: ilot-4
- Network Security Type: plain-text
- Wireless Security:
- VLAN ID: 1
- Redirect URL: (empty)

A note below the configuration states: "Note: Radio1 and Radio2 will be enabled after clicking Submit." The wizard has "Back", "Submit", and "Cancel" buttons at the bottom.

An "Alert" dialog box is overlaid on the wizard, containing the following text: "After you click OK, the AP configuration will be updated including the management IP address. The wizard will close and you will need to use the new IP address- 172.16.0.10 to access the AP-Web UI." The dialog has an "OK" button.

The footer of the page includes the copyright notice: "© 2014 Cisco Systems, Inc. All rights reserved." and the system tray shows the date and time as "12:04 25/01/2023".