



Installation de la cellule WIFI :

Pour commencer, il faut configurer le vlan autorisant l'accès à l'interface web de la borne. Pour cela, il suffit d'aller dans l'onglet "LAN", puis "VLAN Configuration" et de rentrer le VLAN de configuration. (Ne pas oublier de sauvegarder)

The screenshot shows the Cisco WAP131 configuration interface. The left sidebar contains a navigation menu with the following items: Getting Started, Run Setup Wizard, Status and Statistics, Administration, LAN (highlighted with a red box and a red circle '1'), Port Settings, VLAN Configuration (highlighted with a red box and a red circle '2'), IPv4 Setting, IPv6 Setting, Wireless, System Security, Quality of Service, ACL, and SNMP. The main content area is titled 'VLAN Configuration' and displays the following settings: MAC Address: E0:AC:F1:AC:AC:78, Untagged VLAN: Enable, Untagged VLAN ID: (Range: 1 - 4094, Default: 1), and Management VLAN ID: (Range: 1 - 4094, Default: 1). A red box highlights the 'Save' button at the bottom, which is also marked with a red circle '3'.

Puis, il nous faut paramétrer l'adresse IP de la borne. Pour cela il faut aller dans "IPv4 Setting" et rentrer la configuration IP. (Ne pas oublier de sauvegarder)



Getting Started
Run Setup Wizard
▶ Status and Statistics
▶ Administration
▼ LAN
 Port Settings
 VLAN Configuration
 IPv4 Setting
 IPv6 Setting
▶ Wireless
▶ System Security
▶ Quality of Service
▶ ACL
▶ SNMP

IPv4 Setting

Connection Type: DHCP Static IP

Static IP Address: 172 . 16 . 0 . 10

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 172 . 16 . 0 . 254

Domain Name Servers: Dynamic Manual

Save

Il faut ensuite configurer le lien vers notre serveur RADIUS. Pour cela, il faut aller dans l'onglet "System Security" et "RADIUS Server". Dans la première ligne, renseigner l'IP de notre serveur, la clé d'authentification (Qui sera à réutiliser lors de l'installation du serveur RADIUS) et le port (1812 par défaut). (Ne pas oublier de sauvegarder).

Getting Started
Run Setup Wizard
▶ Status and Statistics
▶ Administration
▶ LAN
▶ Wireless
▼ System Security
 RADIUS Server
 802.1X Supplicant
 Password Complexity
 WPA-PSK Complexity
▶ Quality of Service
▶ ACL
▶ SNMP

RADIUS Server

Server IP Address Type: IPv4 IPv6

| No. | Server IP Address (xxxxxxx.xxx.xxx) | Key (Range: 1 - 64 Characters) | Authentication Port (Range: 0 - 65535, Default: 1812) |
|-----|--|-----------------------------------|--|
| 1 | 172.16.0.1 | ***** | 1812 |
| 2 | | | 1812 |
| 3 | | | 1812 |
| 4 | | | 1812 |

Enable RADIUS Accounting

Save

Il faut ensuite créer les réseaux en allant dans l'onglet "Wireless", puis "Network" et cliquer sur "Add"



Getting Started
Run Setup Wizard
Status and Statistics
Administration
LAN
Wireless
Radio
Networks
Scheduler
Scheduler Association
Bandwidth Utilization
MAC Filtering
WDS Bridge
WorkGroup Bridge
Quality of Service
System Security
Quality of Service
ACL
SNMP

Virtual Access Points (SSIDs)

| VAP No. | Enable | VLAN ID | SSID Name | SSID Broadcast | Security | MAC Filter | Channel Isolation |
|---------|-------------------------------------|---------|------------------|-------------------------------------|----------------|------------|--------------------------|
| 0 | <input checked="" type="checkbox"/> | 100 | Assumer_Admin_02 | <input checked="" type="checkbox"/> | WPA Enterprise | Disabled | <input type="checkbox"/> |
| 1 | <input checked="" type="checkbox"/> | 10 | Assumer_Guest_02 | <input checked="" type="checkbox"/> | WPA Personal | Disabled | <input type="checkbox"/> |

WPA Versions: WPA-TKIP WPA2-AES
 Enable pre-authentication
 Use global RADIUS server settings
Server IP Address Type: IPv4 IPv6
Server IP Address-1: 172.16.0.9 (xxx.xxx.xxx.xxx)
Server IP Address-2: (xxx.xxx.xxx.xxx)
Server IP Address-3: (xxx.xxx.xxx.xxx)
Server IP Address-4: (xxx.xxx.xxx.xxx)
Key-1: (Range: 1-64 Characters)
Key-2: (Range: 1-64 Characters)
Key-3: (Range: 1-64 Characters)
Key-4: (Range: 1-64 Characters)
 Enable RADIUS Accounting
Active Server: Server IP Address-1
Broadcast Key Refresh Rate: 300 Sec (Range: 0-86400, 0 = Disable, Default: 300)
Session Key Refresh Rate: 0 Sec (Range: 30-86400, 0 = Disable, Default: 0)

WPA Personal
WPA Versions: WPA-TKIP WPA2-AES
Key: (Range: 8-63 Characters)
 Show Key as Clear Text
Key Strength Meter: Below Minimum
Broadcast Key Refresh Rate: 300 Sec (Range: 0-86400, 0 = Disable, Default: 300)

Add Edit Delete
Save

Il faut ensuite rentrer le Vlan d'action du réseau, son SSID et son protocole de sécurité.

100 1 Assumer_Admin_02 2 WPA Enterprise 3 Disabled 4

WPA Versions: WPA-TKIP WPA2-AES
 Enable pre-authentication
 Use global RADIUS server settings 4
Server IP Address Type: IPv4 IPv6
Server IP Address-1: 172.16.0.9 (xxx.xxx.xxx.xxx)
Server IP Address-2: (xxx.xxx.xxx.xxx)
Server IP Address-3: (xxx.xxx.xxx.xxx)
Server IP Address-4: (xxx.xxx.xxx.xxx)
Key-1: (Range: 1-64 Characters)
Key-2: (Range: 1-64 Characters)
Key-3: (Range: 1-64 Characters)
Key-4: (Range: 1-64 Characters)
 Enable RADIUS Accounting
Active Server: Server IP Address-1 5
Broadcast Key Refresh Rate: 300 Sec (Range: 0-86400, 0 = Disable, Default: 300)
Session Key Refresh Rate: 0 Sec (Range: 30-86400, 0 = Disable, Default: 0)

Pour un WPA entreprise, sélectionner “WPA Entreprise”, puis cocher la case “Use global RADIUS server settings” et vérifier que le serveur actif est bien le numéro 1. (Ne pas oublier de sauvegarder)



Répéter l'étape précédente pour les réseaux en 5 GHz

Select the radio interface first, and then enter the configuration parameters.

Radio: Radio 1 (2.4 GHz)
 Radio 2 (5 GHz)