# Procédure Borne Wifi et Activation RADIUS

# ASSURMER

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## Introduction

Prérequis nécessaires à l'installation des services RDS et BROKER.

Dans le cadre de la mise en place d'un accès Wi-Fi sécurisé pour les collaborateurs d'Assurmer, la présente procédure décrit l'installation et la configuration d'une borne Wi-Fi ainsi que de ses différentes « cellules » (ou SSID). L'objectif est d'assurer un service de connexion performant, fiable et conforme aux standards de sécurité (WPA2/WPA3), tout en distinguant les différents profils d'utilisateurs.



Wireless Access Point		
CISCO	Username: Password: Log in	
	N	

Pour commencer on se log sur l'interface de notre borne avec son ip

cisco WAP371	Wireless-AC/N Dual Radio Access Point with Single	Point Setup	(cisco) Log Ou	About	Help
Getting Started         Run Setup Wizard <ul> <li>Status and Statistics</li> <li>Administration</li> <li>LAN</li> <li>Wireless</li> <li>System Security</li> <li>Client QoS</li> <li>SNMP</li> <li>Single Point Setup</li> <li>Captive Portal</li> </ul>	Getting Started Use the following links to quickly configure your access point. Initial Setup Run Setup Wizard Configure Radio Settings Configure LAN Settings Configure Singly Point Setup Device Status System Summary Wireless Status	Change Account Password Upgrade Device Firmware Backup/Restore Configuration			
© 2014 Cisco Systems, Inc. All	Other Resources: Support   Forums   Wireless Planning Tool				

On va ensuite lancer L'initialisation



Welcome	≜ Welcome
Configuration	Thank you for choosing Cisco Systems, Inc. This setup wizard will help you install your Cisco Systems, Inc Access Point.
IP Address	To setup this access point manually you can cancel this wizard at any time (Not recommended)
Single Point Setup	1 1
Time Settings	enso
Device Password	
Radio 1 (5 GHz )	
Network Name	Note: This Setup Wizard provides simplified options to help you quickly get your access point u
Wireless Security	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 option
VLAN ID	as you require or as seen in the learning link, cancel the setup wizard and go to the web-based configuration utility.
Radio 2 (2.4 GHz)	
Network Name	
	Click Next to continue

### On va appuyer sur Next

Welcome	Configure Device - IP	Address				
Configuration	Select either Dynamic or Stati	c IP addres	s for your d	evice.		
IP Address	O Dynamic IP Address (DHC Static IP Address	P) (Recom	mended)			
Time Settings	Static IP Address:	172	. 16	. 0	. 10	
Davica Password	Subnet Mask:	255	. 255	. 255	. 0	
Device Password	Default Gateway:	172	. 16	. 0	. 254	
Radio 1 (5 GHz )	DNS:	172	. 16	. 0	. 1	
Network Name	Secondary DNS (optional)	):	-	-	-	
Wireless Security			1			
VLAN ID	Learn more about the differ	ent connect	on types			
Radio 2 (2.4 GHz)						
Network Name						
	Click Next to continue				G	
		/			15	

On saisit les informations pour notre Borne



Access Point S	etup	Wizard
Welcome		Single Point Setup - Set
		A cluster provides a single point (

Configuration	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.
✓ IP Address	<ul> <li>Create a New Cluster</li> <li>Recommended for a new deployment environment.</li> </ul>
Single Point Setup	New Cluster Name:
Time Settings	AP Location:
Device Password	Cluster Mgmt Address (optional):
Radio 1 (5 GHz )	<ul> <li>Join an Existing Cluster Recommended for adding new wireless access points to the existing deployment</li> </ul>
Network Name	environment. Existing Cluster Name:
Wireless Security	AP Location:
VLAN ID	Do not Enable Single Point Setup Recommended for single device deployments or for configuring each device individually.
Radio 2 (2.4 GHz)	Learn more about single point setup
Network Name	
	Click Next to continue
	Back Next Cancel

A Cluster

Cette option pourra être change plus tard, on peut faire Next

Welcome	Configure Device - Set System Date And Time
Configuration	Enter the time zone, date and time.
<ul> <li>IP Address</li> </ul>	Time Zone:
<ul> <li>Single Point Setup</li> </ul>	(Gets The First Country Name from the Time Zone You Belong)
Time Settings	Sat System Time I
Device Password	Manually
Radio 1 (5 GHz )	
Network Name	NTP Server: 0.ciscosb.pool.ntp.org
Wireless Security	Clearn more about time settings
VLAN ID	
Radio 2 (2.4 GHz)	
Network Name	
	Click Next to continue

On doit choisir notre fuseau horaire, dans notre cas celui de la France



Access	Point	Setup	Wizard



#### On choisit le SSID de notre réseau Wifi et on click Next

Welcome	<ul> <li>Configure R</li> </ul>	adio 1 - Assign The	VLAN ID For Yo	ur Wireless Network
Configuration	By default, the V	LAN ID assigned to the r	nanagement interface	for your access point is 1, which
IP Address	assigned to your	wireless network, then the	ne wireless clients ass	ociated with this specific wireles
Cingle Point Satur	disable administr	ration from wireless clien	ded, an access contro Is.	I list (ACL) can be created to
Single Fornt Setup	Enter a VLAN ID	for your wireless networ	k	
<ul> <li>Time Settings</li> </ul>				
Device Password	VLAN ID:	1	(Ra	inge: 1 - 4094)
Radio 1 (5 GHz )		62		
Vetwork Name	Clearn more al	bout vlan ids		
<ul> <li>Wireless Security</li> </ul>				
VLAN ID				
Radio 2 (2.4 GHz)				
Network Name				
	Click Next to	continue		
			Back	Next Cancel

On choisit le Vlan admin de la Borne et on fait Next



#### Welcome Configure Radio 2 - Name Your Wireless Network . The name of your wireless network, known as an SSID, identifies your network so that wireless Configuration devices can find it. IP Address Enter a name for your wireless network: ✓ Single Point Setup ASSWIFI2.4 Network Name (SSID): ✓ Time Settings For example: MyNetwork Device Password Radio 1 (5 GHz ) Learn more about network names Network Name ✓ Wireless Security Do VLAN ID Radio 2 (2.4 GHz) Network Name Click Next to continue Back Next Cancel

On choisi le nom de notre réseau 2.4Hz et on fait Next

Radio 2 (2.4 GHz)	<ul> <li>Configure Radio 2 - Secure Your Wireless Network Select your network security strength.</li> </ul>
Wireless Security	Best Security (WPA2 Personal - AES)     Recommended for new wireless computers and devices that support this option.     Older wireless devices might not support this option.
VLAN ID	
Captive Portal	<ul> <li>Better Security (WPA/WPA2 Personal - TKIP/AES) Recommended for older wireless computers and devices that might not support WPA2.</li> </ul>
Creation	No Security (Not recommended)
Network Name	
Wireless Security	Enter a security key with 8-63 characters.
VLAN ID	Show Key as Clear Text
Redirect URL	Learn more about your network security options
Summary	
Finish	
	Click Next to continue

On choisi notre MDP et on choisis WPA2

Access Point Setup Wizard







#### Notre Vlan admin pour le Reseau 2.4Hz

Radio 2 (2.4 GHz)	<ul> <li>Summary - Confin</li> </ul>	m Your Settings	
Network Name	Please review the follow Radio 1 (5 GHz)	ring settings and ensure the data is correct.	
✓ Wireless Security	Network Name (S	SSID): ASSWIFI	
VLAN ID	Network Security	Type:plain-text	
	Security Key:		
Captive Portal	VLAN ID: Padio 2 (2 4 GHz)	1	•
<ul> <li>Creation</li> </ul>	Network Name /S		
Network Name	Network Security	Type:plain-text	
Wischass Oneurity	Security Key:		
wireless Security	VLAN ID:	1	
VLAN ID			
Redirect URL		2	
Summany		13	
Summery			
Finish	T Office Buckey to the second		- In Anna Drint
	Click Submit to ena	able settings on your Cisco System	is, Inc Access Point

Après avoir vérifié que tout est bon on peux cliquer sur Submit





								UI OI	TICILL	
vilulu WAP371 V	Vireless-AC/N Dual Radio Access	s Point with Single Point	Setup			(cisco)	Log Out	About	Help	
Getting Started	Networks									
Run Setup Wizard	INCLIVITYS									
<ul> <li>Status and Statistics</li> </ul>	Select the radio interface first, and then enter the configuration parameters.									
<ul> <li>Administration</li> </ul>	Radio: (i) Radio 1 (5 GHz)									
► LAN	Radio 2 (2.4 GHz)									
▼ Wireless	Virtual Access Points (SSIDs)									
Radio Roque AP Detection	VAP No. Enable VLAN ID SSID Name	SSID Broadcast	Security M	IAC Filter	Channel Isolation	Band Steer			11	
Networks	🗋 0 🗹 1 ASSWIFI		WPA Personal 🗸	Local 🗸						
Wireless Multicast Forward Scheduler			Show Details							
Scheduler Association	Add Edit Delete									
MAC Filtering										
WDS Bridge	Save									
WorkGroup Bridge	$\overline{\mathcal{T}}$									
<ul> <li>System Security</li> </ul>										
Client QoS										
► SNMP	/ \									
<ul> <li>Single Point Setup</li> </ul>										
<ul> <li>Captive Portal</li> </ul>		N								
		r42.								
				_						
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/										

Dans Wireless et Network on va pouvoir configurer les Vlan différents qu'on va pouvoir créer et accéder depuis le Wifi

Sur Add et cocher la case

cisco WAP371 V	Vireless-AC/N Dual Rad	io Access Point with Si	ngle Point	Setup			(cisco)	Log Out	About	Help
Getting Started	Networks									
Run Setup Wizard										
<ul> <li>Status and Statistics</li> </ul>	Select the radio interface first, and then enter the configuration parameters.									
<ul> <li>Administration</li> </ul>	Radio:  Radio 1(5 GHz)									
► LAN	<ul> <li>Radio 2 (2.4 GHz)</li> </ul>									
▼ Wireless	Virtual Access Points (SSIDs)									
Radio Roque AP Detection	VAP No. Enable VLAN ID	SSID Name	SSID Broadcast	Security	MAC Filter	Channel Isolation	Band Steer			
Networks	0 🗹 1	ASSWIFI		WPA Personal 🗸	Local 🗸					
Wireless Multicast Forward Scheduler	Show Details									
Scheduler Association	Add Edit, Dele	ete								- 1
Bandwidth Utilization MAC Filtering										_
WDS Bridge	Save									
WorkGroup Bridge										
<ul> <li>System Security</li> </ul>	/									
Client QoS	/									
► SNMP	/									
Single Point Setup	/									
Captive Portal	/									
	/									
	/									
	/									
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Puis on va sur edit



N	etwor	ks										
S	adio: 🥡	a radio ir Rad Rad	nterface fi lio 1 (5 GH lio 2 (2.4 (	rst, and then Hz) GHz)	enter the configuration par	rameters.						
	Virtual	Access	s Points (	(SSIDs)								
	VA	P No.	Enable	VLAN ID	SSID Name		SSID Broadcast	Security	MAC Filter	Channel Isolation	Band Steer	
	2	0		1	ASSWIFI			WPA Personal 🗸	Local 🗸			
								None				
	Add		Edit	Del	ete			WPA Personal WPA Entermise				
	Save								J			
	oure											
								/				

#### On choisit le WPA Entreprise dans la fenêtre déroulante

MFP: Not Required Vise global RADIUS server	ired Z Capable	Required
Use global RADIUS serve	er settings	
Convor ID Addross Tuno:		
Server IF Audress Type.	IPv4 IPv6	
Server IP Address-1: 0.0	0.0.0	(xxx, xxx, xxxx, xxxx)
Server IP Address-2:		(XXXX.XXXX.XXXX)
Server IP Address-3:		(XXX, XXX, XXX, XXX)
Server IP Address-4:		(xxxx.xxxx.xxxx)
Key-1: ***		(Range: 1-64 Characters)
Key-2:		(Range: 1-64 Characters)
Key-3:		(Range: \-64 Characters)
Key-4:		(Range: 1-64 Characters)
Enable RADIUS Account	ting	
Active Server:	Server IP Address-1 🗸	
Broadcast Key Refresh Rate:	86400	Sec (Range: 0-86400, 0 = Disab
Session Key Refresh Rate:	0	Sec (Range: 30-86400, 0 = Dxa 🕶

Cette fenêtre s'affiche le Use global RADIUS server settings est déjà active par defaut



	VAP No.	Enable	VLAN ID	SSID Name	SSID Broadcast	Security	MAC Filter	Channel Isolation
			1	ASSWIFI		WPA Enterprise 🗸	Local 🗸	
						Hide Details	Disabled	
						WPA Versions: WPA-TKIP	Local VPA2	-AES
						Use global RADIUS server	settings	
						Server IP Address Type:		
						Server IP Address-1: 0.0.0	1.0	(XXX_XXXX,XXX,XXX)
						Server IP Address-2:		(XXX.XXX.XXXX.XXXX)
						Server IP Address-3:		(XXX.XXXX.XXXX)
						Server IP Address-4:		(XXX.XXXX.XXXX)
						Key-1:		(Range: 1-64 Characters)
						Key-2:		(Range: 1-64 Characters)
						Key-3:		(Range: 1-64 Characters)
						Key-4:		(Range: 1-64 Characters)
						Active Server:	g Server IP Address-1 🗸	
						Broadcast Key Refresh Rate:	86400	Sec (Range: 0-86400, 0 = Disab
						Session Key Refresh Rate:	0	Sec (Range: 30-86400, 0 = Disa *
Sele Rac	ict the radio lio:  Ri Ri Ri Itual Acce	interface adio 1 (5 C adio 2 (2.4 ss Points	first, and the GHz) GHz) (SSIDs)	n enter the configuration para	ameters.			
	VAP No	Enable	VLAN ID	SSID Name	SSID Broadcas	t Security	MAC Filter	Channel Isolation
			1	ASSWIFI		WPA Enterprise	RADIUS V	
						Hide Details		

Enfin on choisi l'option RADIUS dans la fenêtre déroulante