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How to configure an Open BAT as an 802.1x supplicant - 2022-01-10 - BAT, WLC (HiLCOS)

This lesson describes how to configure tan Open BAT oas a 802.1x Supplicant. You may need to refer to the following lessons for a complete working 802.1x environment (Supplicant - Authenticator - Server):

Environment without controller:

- How to use an Open BAT or a Controller as RADIUS Server and set up User accounts
- How to configure an Open BAT as 802.1x authenticator

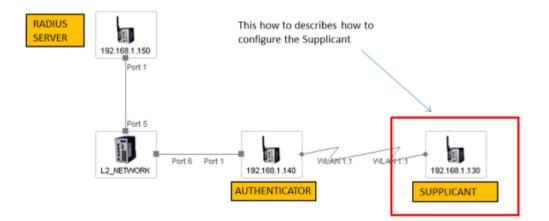
Environment with controller to manage the APs:

- How to use an Open BAT or a Controller as RADIUS Server and set up User accounts
- How to create a profile on a WLC and apply it on BAT Acces points
- How to configure a Radius Profile on the WLC and include it in Logical settings

These How to are complementary and use the following settings for the radius authentication:

EAP - PEAP with MSCHAPv2 as tunnel method.

## Representation



## **Preliminary steps**

Give the BAT an IP address (in our example: 192.168.1.130) You can refer to the lesson ""How to give an Open BAT or a WLC an IP address""

Add the BAT in LANconfig

You can refer to the lesson ""How to discover a BAT or a WLC in LANconfig""

Configure the BAT as an Access Client

You can refer to the lesson ""How to configure an Open BAT as Access Client"" but refer to this lesson for the security settings.

## Security settings

WPA or Private WEP setti	ngs - Edit Entry	ନ୍ତ	23
Interface:	Wireless LAN 1 - Networ	k 1	
Encryption activated			
Method / Key 1 length:	802.11i (WPA)-802.1 🔻	1	
Key 1/passphrase:	laurent:lolothebest	Show	
	Generate password	·J	
WPA version:	WPA2 -		
WPA1 session key type:	TKIP	]	
WPA2 session key type:	AES -	]	
WPA rekeying cycle:	0	seconds	
WPA2 key management:	Standard 🗸		
Client EAP method:	PEAP/MSCHAPV2 -		
PMK caching  Pre authentication  OKC (Opportunistic Key	Caching) activated		
Authentication:	Open system (recom 👻	]	
Default key:	Key 1 📼	]	
Encrypt mgmt. frames:	No		
	ОК	Canc	el

```
As method, select 802.11i (WPA)-802.1x
```

For the key enter : ""user"": ""password"" as defined in the radius server.

In our example user: laurent and password: lolothebest. So the key to enter is: laurent:lolothebest (see screenshot)

Select PEAP/MSCHAPV2 as client EAP method

Gerelateerde inhoud

• How to use an Open BAT or WLC as a RADIUS server and set up user accounts