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How to configure an Open BAT as an 802.1x authenticator

- 2022-01-10 - BAT, WLC (HiLCOS)

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

- How to configure an Open BAT as 802.1x supplicant

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

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

EAP - PEAP with MSCHAPv2 as tunnel method.

Representation

× Preliminary steps

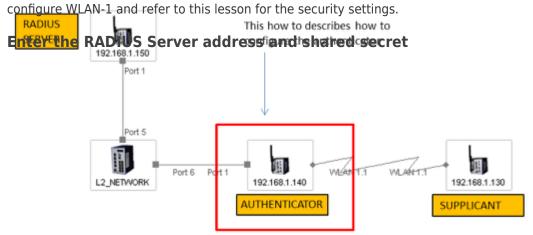
Give the BAT an IP address (in our example: 192.168.1.140) You can refer to the lesson ""How to give an Open BAT or a WLC an IP address""

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 Point

You can refer to the lesson ""How to configure an Open BAT as Access Point"" but only



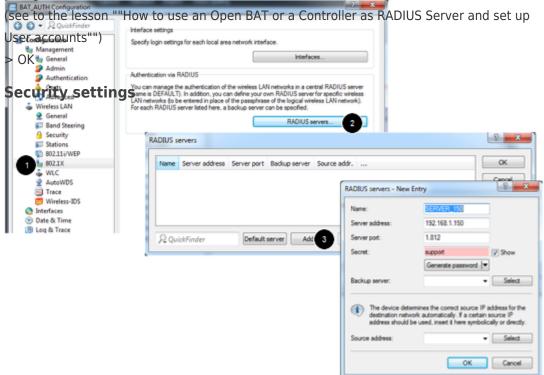
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Configuration > Wireless LAN > 802.1X > RADIUS servers > Add

Give an name to identify the server (this name is only used locally on the Authenticator) Indicate the IP address of the server (in our example: 192.168.1.150)

Indicate the server port and the shared secret. They will have to match with the ones

configured on the RADIUS server



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Configuration > Wireless LAN > 802.11i/WEP > WPA or Private WEP settings Select the relevant network (in our case Wireless LAN 1 - Network 1) and Edit In the new dialog make sure that the encryption is activated. Select as Method: 802.11i (WPA)-802.1x

In the passphrase field, enter the name of the RADIUS server (the one configured in the precedent step)

> 0K

This Access Point is now ready to be used as authenticator or NAS (Network Access Server)

		9	and set up us		
		(ings - Edit Entry	2 ×
		Interface: Weeless LAN 1 - Network 1			
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2 WPA or Private WEP settings					▼ If Show
Here, you can specify the WEP group keys 2 to 4, that are commonly used by the logical wintiess LAN networks for each physical wireless LAN interface.			ney repaiderand.		
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Extended settings If you use different VLNN IDs on a single logical WLAN network (SSID), e.g. by assignment the station table or via 802.1x, you can select here the group key used for broadcasts and multicasts.			WBA1 session key type:	TKIP	-
			WPA2 session key type:	AES	w.
			WPA rekeying cycle:	0	seconds
	V				•
	_	(-D-		115	•
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111 (WPA) PSK 10PA2 TK3P	AES	0 seconds			-
110 (WYA)-PSK 10PA2 TKIP	AES	P seconds +		10	
		3 148		OK	Cancel
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Conteúdo Relacionado