

How to configure an Open BAT as Wifi Client with DHCP enabled

Open BAT are per default in "Managed AP" mode, excepted for the ones ordered as "client only".

This How to describes step by step how to configure an OpenBAT (ordered as Access Point) as client with DHCP enabled.

LANconfig is used as configuration tool

Preliminary steps

Give the BAT an IP address

You can refer to the lesson "How to give an Open BAT or a WLC an IP address"

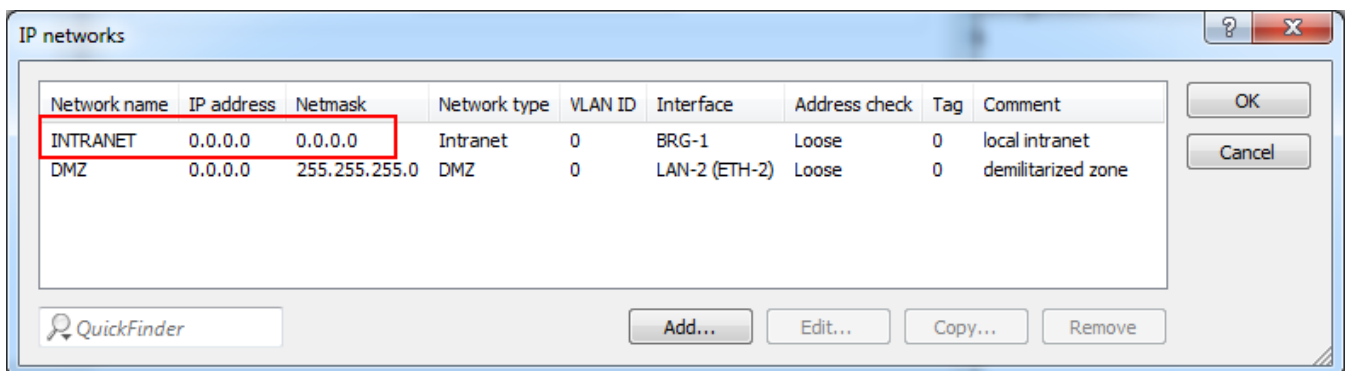
Add the BAT in LANconfig

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

Give the BAT the relevant radio settings to connect on the AP

You can refer to the lesson "How to configure a BAT as Access Client"

Remove the IP address



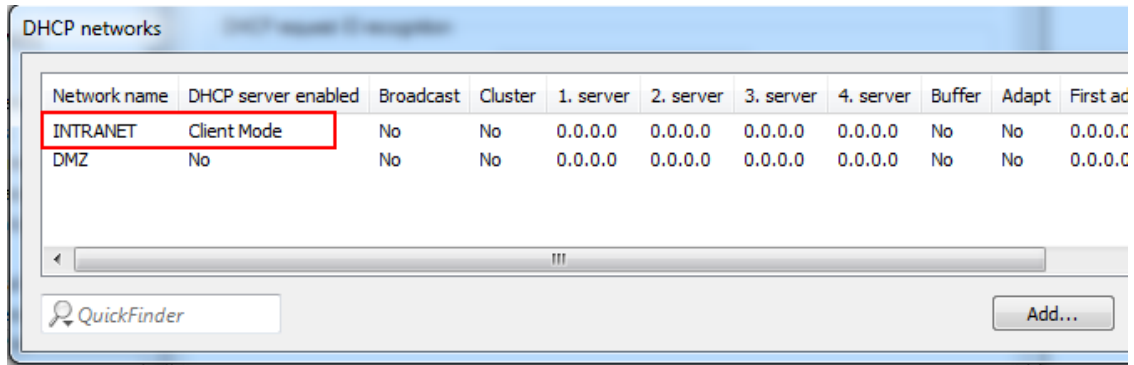
Configuration > IPV4 > General > IP networks

Delete the IP address you previously configured on the Open BAT.

In other words, set the intranet IP address to 0.0.0.0

> OK

Enable DHCP Client



Configuration > IPV4 > DHCPv4 > DHCP networks

For the INTRANET, select "Client Mode"

> OK

Apply the changes on the device.

Once the changes are applied, the device isn't reachable anymore (it will appear with a question mark icon in Lanconfig), it's normal its IP address previously configured and used for the last configuration steps is not valid anymore.

The Open BAT is now configured as Wifi client with DHCP enabled.

Check the address

HiLCOS Menu Tree

Logout

HiLCOS Menu Tree

- Status
- TCP-IP
- DHCP

DHCP-Table

IP-Address	MAC-Address	Timeout	Hostname	Type	LAN-Ifc	Ethernet-Port	VLAN-ID	Network-name	Assignment
✗ 172.23.56.62	ece55556ac14	180	BAT-R_56AC14	dyn.	LAN-1	ETH-1	0	INTRANET	12/09/2015 10:03:04
✗ 172.23.56.226	ece55556abe4	181	BAT-R_56ABE4	dyn.	LAN-1	ETH-1	0	INTRANET	12/09/2015 10:03:12
✗ 192.168.1.44	881fa19b50a5_5700		iPhone de Laurent	dyn.	WLAN-1		0	INTRANET	12/09/2015 10:22:57
✗ 192.168.1.48	ece555fd344	498	BAT-32	dyn.	WLAN-1		0	INTRANET	12/09/2015 15:20:16

Its new address can either be checked on the DHCP server (if the AP is DHCP server then you can find it in its Web interface under HiLCOS Menu Tree > Status > TCP-IP > DHCP > DHCP-Table)

Or if you are in the same LAN than the client, you can perform a scan with LanConfig:

- Delete the device with the old address in the main view
- Perform a new scan in the local network (Refer to the lesson "How to give an Open BAT or a WLC an IP address" if necessary, this step is described)