

DragonFlyBSD - Bug #2412

wlan0 fails to get address via dhclient

08/27/2012 01:09 AM - nonsolosoft

Status:	New	Start date:	08/27/2012
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
I'm not able to connect via Atheros 2413 to TP-Link wifi router. In attachment there is the shell session log.			

History

#1 - 08/27/2012 01:10 AM - nonsolosoft

uname -a

DragonFly lap.diff.org 3.1-DEVELOPMENT DragonFly v3.1.0.1313.g19230-DEVELOPMENT #36: Wed Aug 15 22:09:18 CEST 2012
root@lap.diff.org:/usr/obj/usr/src/sys/GENERIC i386

#2 - 08/27/2012 11:21 AM - Johannes.Hofmann

With some AP I had to set net.wlan.force_swcrypto=1 for ath(4) to connect properly.
Could be worth a try.

#3 - 08/27/2012 02:49 PM - nonsolosoft

Thank you Johannes, I've tried:

```
lap# sysctl net.wlan.force_swcrypto=1
net.wlan.force_swcrypto: 0 -> 1
lap# ifconfig wlan0
wlan0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 1500
inet6 fe80::211:f5ff:fe64:1662%wlan0 prefixlen 64 scopeid 0x8
ether 00:11:f5:64:16:62
media: IEEE 802.11 Wireless Ethernet DS/1Mbps mode 11g
status: associated
ssid NOVELLAWiFi_Spot2 channel 11 (2462 MHz 11g) bssid f8:d1:11:75:7d:fc
regdomain 100 indoor ecm authmode WPA privacy ON deftxkey 1
TKIP 2:128-bit txpower 17.5 bmiss 7 scanvalid 450 protmode CTS wme
burst roaming MANUAL
lap# dhclient wlan0
DHCPCREQUEST on wlan0 to 255.255.255.255 port 67
DHCPCNAK from 192.168.1.1 (f4:ec:38:ba:2b:b6)
DHCPCDISCOVER on wlan0 to 255.255.255.255 port 67 interval 3
DHCPCDISCOVER on wlan0 to 255.255.255.255 port 67 interval 6
DHCPCDISCOVER on wlan0 to 255.255.255.255 port 67 interval 10
DHCPCDISCOVER on wlan0 to 255.255.255.255 port 67 interval 19
DHCPCDISCOVER on wlan0 to 255.255.255.255 port 67 interval 9
DHCPCDISCOVER on wlan0 to 255.255.255.255 port 67 interval 11
DHCPCDISCOVER on wlan0 to 255.255.255.255 port 67 interval 3
No DHCPOFFERS received.
No working leases in persistent database - sleeping.
```

It seems not resolve, sorry.

#4 - 08/27/2012 05:52 PM - justin

That DHCPNAK line in the output is the wireless base station saying "no, I don't want to give you an IP address." Can you try a different wireless AP?

#5 - 08/30/2012 02:05 AM - nonsolosoft

- File wlan_dhclient.tcpdump added

Justin C. Sherrill wrote:

> That DHCPNAK line in the output is the wireless base station saying "no, I don't want to give you an IP address." Can you try a different wireless AP?

Hi Justin,

in this hotel I see three access points: the only one that answer to wpa_supplicant seems only the my floor's one, while with iPad I'm able to connect to each of them.

It's strange, I've tried also to set dfbsd laptop MAC address with the same of my iPad but I've not got any new result.

In attachment there is the tcpdump file of the dhclient wlan0 session:

#6 - 08/30/2012 05:55 AM - thomas.nikolajsen

>in this hotel I see three access points: the only one that answer to wpa_supplicant seems only the >my floor's one, while with iPad I'm able to connect to each of them.

You really need to use your own dhcp server, or at least with known setup, for testing: a dhcp server can use any information that it has to decide if lease shall be offered or not, so if you don't know dhcp server setup, test is not saying much about client.

We have a (silly IMO) example in our tree:

<http://gitweb.dragonflybsd.org/dragonfly.git/blob/HEAD:/nrelease/root/etc/dhcpd.conf>

Files

wlan0_dhclient.log	4.71 KB	08/27/2012	nonsolosoft
wlan_dhclient.tcpdump	4.36 KB	08/30/2012	nonsolosoft