

Analyse de la configuration Wifi d'un poste client

Cette documentation devrait vous permettre de comprendre et trouver une solution en cas de problème de connexion WIFI sur les postes clients AbulÉdu.

```
/etc/network/interfaces
```

```
auto wlan0 iface wlan0 inet dhcp
```

```
wpa-conf managed
wpa-ap-scan 1
wpa-scan-ssid 1
wpa-ssid ABULEDU
wpa-key-mgmt WPA-PSK
wpa-psk xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

```
ifconfig -a
```

```
.../...
```

```
wlan0 Link encap:Ethernet HWaddr 70:f3:95:e8:4c:10
```

```
UP BROADCAST MULTICAST MTU:1500 Metric:1
Packets reçus:0 erreurs:0 :0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 lg file transmission:1000
Octets reçus:0 (0.0 B) Octets transmis:0 (0.0 B)
```

```
wlan0:avahi Link encap:Ethernet HWaddr 70:f3:95:e8:4c:10
```

```
inet adr:169.254.7.86 Bcast:169.254.255.255 Masque:255.255.0.0
UP BROADCAST MULTICAST MTU:1500 Metric:1
```

```
_root@poste-10hp:/etc/network# rfkill list 0: phy0: Wireless LAN
```

```
Soft blocked: no
Hard blocked: no
```

```
1: hci0: Bluetooth
```

```
Soft blocked: no
Hard blocked: no
```

```
2: hp-wifi: Wireless LAN
```

```
Soft blocked: no
Hard blocked: no
```

3: hp-bluetooth: Bluetooth

```
Soft blocked: no  
Hard blocked: no
```

—

```
tail -f /var/log/syslog
```

```
ifdown wlan0
```

```
root@poste-10hp:/etc/network# ifconfig eth0 Link encap:Ethernet HWaddr 64:31:50:03:4b:cf
```

```
inet adr:192.168.0.47 Bcast:192.168.0.255 Masque:255.255.255.0  
adr inet6: fe80::6631:50ff:fe03:4bcf/64 Scope:Lien  
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
Packets reçus:926 erreurs:0 :0 overruns:0 frame:0  
TX packets:819 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 lg file transmission:1000  
Octets reçus:186132 (186.1 KB) Octets transmis:105635 (105.6 KB)
```

```
lo Link encap:Boucle locale
```

```
inet adr:127.0.0.1 Masque:255.0.0.0  
adr inet6: ::1/128 Scope:Hôte  
UP LOOPBACK RUNNING MTU:65536 Metric:1  
Packets reçus:0 erreurs:0 :0 overruns:0 frame:0  
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 lg file transmission:0  
Octets reçus:0 (0.0 B) Octets transmis:0 (0.0 B)
```

```
root@servecole ~ 💻 tail -f /var/log/syslog
```

```
ifup wlan0 sur le client
```

```
pas de requetes DHCP qui arrivent sur le serveur → direction le point d'accès wifi pour vérifier
```

—

```
ifconfig wlan0 up iwlist wlan0 scanning
```

```
.../...
```

```
Cell 04 - Address: 1C:5F:2B:AD:6F:24  
Channel:10  
Frequency:2.457 GHz (Channel 10)  
Quality=70/70 Signal level=-31 dBm  
Encryption key:on  
ESSID:"abuledu"  
Bit Rates:1 Mb/s; 2 Mb/s; 5.5 Mb/s; 11 Mb/s; 6 Mb/s
```

```

          9 Mb/s; 12 Mb/s; 18 Mb/s
    Bit Rates:24 Mb/s; 36 Mb/s; 48 Mb/s; 54 Mb/s
    Mode:Master
    Extra:tsf=000000149a9f7efc
    Extra: Last beacon: 68ms ago
    IE: Unknown: 00076162756C656475
    IE: Unknown: 010882848B960C121824
    IE: Unknown: 03010A
    IE: Unknown: 2A0100
    IE: Unknown: 32043048606C
    IE: Unknown:
2D1A6E181EFFFF00000000000000000000000000000000000000000000000000000
    IE: Unknown:
3D160A070000000000000000000000000000000000000000000000000000000000
    IE: Unknown: 4A0E14000A00B400C800140005001900
    IE: Unknown: 7F0101
    IE: WPA Version 1
        Group Cipher : TKIP
        Pairwise Ciphers (2) : TKIP CCMP
        Authentication Suites (1) : PSK
    IE: IEEE 802.11i/WPA2 Version 1
        Group Cipher : TKIP
        Pairwise Ciphers (2) : TKIP CCMP
        Authentication Suites (1) : PSK
    IE: Unknown:
DD180050F2020101000003A4000027A4000042435E0062322F00
    IE: Unknown:
DD1E00904C336E181EFFFF00000000000000000000000000000000000000000000000
    IE: Unknown:
DD1A00904C340A0700000000000000000000000000000000000000000000000000
    IE: Unknown: DD0600E04C020160
    IE: Unknown:
DD850050F204104A0001101044000102103B00010310470010112233445566778899AA1C5F2B
AD6F2210210012442D4C696E6B20436F72706F726174696F6E10230000102400001042000F31
32333435363738393031323334371054000800060050F2040001101100084441502D31363635
100800022008103C0001031049000600372A000120

```

...

Création d'une configuration WPA pour lancement manuel:

```
wpa passphrase ABULEDU > /root/wpa.conf (saisir le mot de passe)
```

```
ifconfig wlan0 down ifconfig wlan0 up iwlist wlan0 scanning
```

```
wpa_supplicant -Dwext -iwlwn0 -c/root/wpa.conf -ddd
```

```
.../... wlan0: Radio work 'scan'@0x1b61460 done in 1.166788 seconds wlan0: Selecting BSS from
priority group 0 wlan0: 0: 1c:5f:2b:ad:6f:24 ssid='abuledu' wpa_ie_len=26 rsn_ie_len=24 caps=0x11
level=-31 wps wlan0: skip - SSID mismatch wlan0: 1: f0:82:61:fb:a3:ac ssid='Livebox-A3AC'
```

wpa_ie_len=26 rsn_ie_len=24 caps=0x11 level=-73 wps wlan0: skip - SSID mismatch wlan0: 2: 5c:33:8e:2e:51:5d ssid='Livebox-7fce' wpa_ie_len=26 rsn_ie_len=24 caps=0x11 level=-73 wps wlan0: skip - SSID mismatch wlan0: 3: c2:82:61:fb:a3:ac ssid='orange' wpa_ie_len=0 rsn_ie_len=0 caps=0x1 level=-69 wlan0: skip - SSID mismatch wlan0: No suitable network found wlan0: Setting scan request: 5.000000 sec .../...

SSID Mismatch → hé oui il faut ABULEDU en majuscule

From:
<https://docs.abuledu.org/> - **La documentation d'AbulÉdu**

Permanent link:
https://docs.abuledu.org/2015/abuledu_client_15.08/analyse_configuration_wifi?rev=1491143226

Last update: **2017/04/02 16:27**

