

Re: How can I set a network card to active....

Source: <http://linux.derkeiler.com/Newsgroups/alt.os.linux.suse/2006-02/msg03129.html>

- *From:* Engelkott <nomail@xxxxxxxxxx>
 - *Date:* Tue, 28 Feb 2006 19:57:15 +0100
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On Tue, 28 Feb 2006 19:26:36 +0100, Reinhard Gimbel
<reinhard@xxxxxxxxxxxxxx> wrote:

Hello community !

Engelkott wrote:

I have SuSe 10 on my laptop which has a built in network card which is not configured. I have also a Netgear MA521 PCMCIA wireless card which i have finally got 'working'.

I say 'working' because i have got the link light on the card to light up, meaning (i think) that the card and Linux sees the existence of my wireless router (Netgear MR814) but i can't actually get out on the internet and the router does not see the PC Card as attached.

Upon further investigation i HTTP server set up and noticed my PC Card is not listed under interfaces so that led me to assume it is not the active connection, maybe my onboard card is? If i plug a cable in there all works well!

So, my question is, how can i set my Netgear card to active? I plan to use the computer in a different room to my router so a wired connection is not an option.

Please post the output of

```
(/sbin/) ifconfig  
(/usr/sbin/) iwconfig  
(/sbin/) route -n  
(/usr/sbin/) hwinfo --netcard  
(/usr/sbin/) hwinfo --wlan
```

All commands need to be issued in the context of user "root". If you will do that by using "sudo" you will need the complete path of the commands [added in ()].

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Hi and thanks for your feedback. The output was as follows:

```
linux:/home/graham # ifconfig
```

```
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:62 errors:0 dropped:0 overruns:0 frame:0
TX packets:62 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:4148 (4.0 Kb) TX bytes:4148 (4.0 Kb)
```

```
wlan0 Link encap:Ethernet HWaddr 00:09:5B:63:90:87
inet6 addr: fe80::209:5bff:fe63:9087/64 Scope:Link
UP BROADCAST NOTRAILERS RUNNING MULTICAST MTU:1500
Metric:1
RX packets:10 errors:0 dropped:0 overruns:0 frame:0
TX packets:75 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:608 (608.0 b) TX bytes:42672 (41.6 Kb)
Interrupt:3 Memory:f138a000-f138a100
```

```
linux:/home/graham # iwconfig
```

```
lo no wireless extensions.
```

```
eth0 no wireless extensions.
```

```
wlan0 IEEE 802.11b ESSID:"Linux"
Mode:Ad-Hoc Frequency:2.462 GHz Cell: 02:98:58:22:98:FE
Bit Rate=11 Mb/s Sensitivity=80/85
Retry:on Fragment thr:off
Encryption key:15D4-DD7B-3627-F865-B86D-A81E-7C Security
mode:restricted
Link Quality=79/100 Signal level=-68 dBm Noise level=-235
dBm
Rx invalid nwid:0 Rx invalid crypt:0 Rx invalid frag:0
Tx excessive retries:0 Invalid misc:0 Missed beacon:0
```

```
sit0 no wireless extensions.
```

```
linux:/home/graham # route -n
```

```
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref
Use Iface
127.0.0.0 0.0.0.0 255.0.0.0 U 0 0
0 lo
```

```
linux:/home/graham # hwinfo --netcard
```

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24: PCI 20c.0: 0200 Ethernet controller
[Created at pci.277]
UDI: /org/freedesktop/Hal/devices/pci_100b_20
Unique ID: rBUF._B4HhA0PG7E
Parent ID: 6NW+.ccU5FZC1tz2
SysFS ID: /devices/pci0000:00/0000:00:1e.0/0000:02:0c.0
SysFS BusID: 0000:02:0c.0
Hardware Class: network
Model: "Fujitsu Siemens DP83815 (MacPhyter) Ethernet Controller"
Vendor: pci 0x100b "National Semiconductor Corporation"
Device: pci 0x0020 "DP83815 (MacPhyter) Ethernet Controller"
SubVendor: pci 0x1734 "Fujitsu Siemens Computer GmbH"
SubDevice: pci 0x102a
Driver: "natsemi"
Device File: eth0
I/O Ports: 0xc800–0xc8ff (rw)
Memory Range: 0xdfefe000–0xdfefefff (rw,non-prefetchable)
Memory Range: 0x32000000–0x3200ffff (ro,prefetchable,disabled)
IRQ: 3 (133105 events)
HW Address: 00:03:0d:04:76:d7
Link detected: no
Module Alias:
"pci:v0000100Bd00000020sv00001734sd0000102Abc02sc00i00"
Driver Info #0:
Driver Status: natsemi is active
Driver Activation Cmd: "modprobe natsemi"
Config Status: cfg=no, avail=yes, need=no, active=unknown
Attached to: #15 (PCI bridge)

25: PCI 300.0: 0200 Ethernet controller
[Created at pci.277]
UDI: /org/freedesktop/Hal/devices/pci_10ec_8180
Unique ID: y9sn.QEFGDiB8dNA
Parent ID: QOEa.g2e8fucgw5A
SysFS ID: /devices/pci0000:00/0000:00:1e.0/0000:02:03.0/0000:03:00.0
SysFS BusID: 0000:03:00.0
Hardware Class: network
Model: "Netgear RTL8180L 802.11b MAC"
Hotplug: CardBus
Socket: 0
Vendor: pci 0x10ec "Realtek Semiconductor Co., Ltd."
Device: pci 0x8180 "RTL8180L 802.11b MAC"
SubVendor: pci 0x1385 "Netgear"
SubDevice: pci 0x4700
Revision: 0x20
Driver: "rtl8180"
Device File: wlan0
Features: WLAN
I/O Ports: 0x2000–0x2fff (rw)
Memory Range: 0x34000000–0x340001ff (rw,non-prefetchable)
IRQ: 3 (133105 events)

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```
HW Address: 00:09:5b:63:90:87
Link detected: no
WLAN channels: 1 2 3 4 5 6 7 8 9 10 11 12 13 14
WLAN frequencies: 2.412 2.417 2.422 2.427 2.432 2.437 2.442 2.447
2.452 2.457 2.462 2.467 2.472 2.484
WLAN bitrates: 1 2 5.5 11
WLAN authentication modes: open
Module Alias:
"pci:v000010ECd00008180sv00001385sd00004700bc02sc00i00"
Driver Info #0:
Driver Status: r8180 is active
Driver Activation Cmd: "modprobe r8180"
Config Status: cfg=no, avail=yes, need=no, active=unknown
Attached to: #22 (CardBus bridge)
```

```
linux:/home/graham # hwinfo --wlan
```

```
17: PCI 300.0: 0200 Ethernet controller
[Created at pci.277]
UDI: /org/freedesktop/Hal/devices/pci_10ec_8180
Unique ID: y9sn.QEFGDiB8dNA
Parent ID: QOEa.g2e8fucgw5A
SysFS ID: /devices/pci0000:00/0000:00:1e.0/0000:02:03.0/0000:03:00.0
SysFS BusID: 0000:03:00.0
Hardware Class: network
Model: "Netgear RTL8180L 802.11b MAC"
Hotplug: CardBus
Socket: 0
Vendor: pci 0x10ec "Realtek Semiconductor Co., Ltd."
Device: pci 0x8180 "RTL8180L 802.11b MAC"
SubVendor: pci 0x1385 "Netgear"
SubDevice: pci 0x4700
Revision: 0x20
Driver: "rtl8180"
Device File: wlan0
Features: WLAN
I/O Ports: 0x2000-0x20ff (rw)
Memory Range: 0x34000000-0x340001ff (rw,non-prefetchable)
IRQ: 3 (no events)
HW Address: 00:09:5b:63:90:87
Link detected: no
WLAN channels: 1 2 3 4 5 6 7 8 9 10 11 12 13 14
WLAN frequencies: 2.412 2.417 2.422 2.427 2.432 2.437 2.442 2.447
2.452 2.457 2.462 2.467 2.472 2.484
WLAN bitrates: 1 2 5.5 11
WLAN authentication modes: open
Module Alias:
"pci:v000010ECd00008180sv00001385sd00004700bc02sc00i00"
Driver Info #0:
Driver Status: r8180 is active
Driver Activation Cmd: "modprobe r8180"
```

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Config Status: cfg=no, avail=yes, need=no, active=unknown

Attached to: #14 (CardBus bridge)

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