operaciones con hardware

red

averiguamos en que posición se encuentra la tarjeta de red (comando más preciso y con más detalle podría ser `lspci -vv -s 03:00.0`) y después preguntamos por las tarjetas... en el campo BUS INFO vemos el nexo de unión entre las 2 informaciones.

```
$ lspci
00:00.0 Host bridge: Intel Corporation 4th Gen Core Processor DRAM Controller (rev
06)
00:01.0 PCI bridge: Intel Corporation Xeon E3-1200 v3/4th Gen Core Processor PCI
Express x16 Controller (rev 06)
00:14.0 USB controller: Intel Corporation 9 Series Chipset Family USB xHCI
Controller
00:16.0 Communication controller: Intel Corporation 9 Series Chipset Family ME
Interface #1
00:1a.0 USB controller: Intel Corporation 9 Series Chipset Family USB EHCI
Controller #2
00:1b.0 Audio device: Intel Corporation 9 Series Chipset Family HD Audio Controller
00:1c.0 PCI bridge: Intel Corporation 9 Series Chipset Family PCI Express Root Port
1 (rev d0)
00:1c.2 PCI bridge: Intel Corporation 9 Series Chipset Family PCI Express Root Port
3 (rev d0)
00:1c.3 PCI bridge: Intel Corporation 82801 PCI Bridge (rev d0)
00:1d.0 USB controller: Intel Corporation 9 Series Chipset Family USB EHCI
Controller #1
00:1f.0 ISA bridge: Intel Corporation 9 Series Chipset Family Z97 LPC Controller
00:1f.2 SATA controller: Intel Corporation 9 Series Chipset Family SATA Controller
[AHCI Mode]
00:1f.3 SMBus: Intel Corporation 9 Series Chipset Family SMBus Controller
01:00.0 VGA compatible controller: NVIDIA Corporation GM206 [GeForce GTX 960] (rev
a1)
01:00.1 Audio device: NVIDIA Corporation Device 0fba (rev a1)
03:00.0 Ethernet controller: Qualcomm Atheros Killer E220x Gigabit Ethernet
Controller (rev 13)
04:00.0 PCI bridge: ASMedia Technology Inc. ASM1083/1085 PCIe to PCI Bridge (rev
03)

$ lshw -class network
WARNING: you should run this program as super-user.
  *-network
       description: Ethernet interface
       product: Killer E220x Gigabit Ethernet Controller
       vendor: Qualcomm Atheros
       physical id: 0
       bus info: pci@0000:03:00.0
       logical name: enp3s0
       version: 13
       serial: d8:cb:8a:5d:5a:d7
       size: 100Mbit/s
       capacity: 1Gbit/s
       width: 64 bits
```

```
       clock: 33MHz
       capabilities: bus_master cap_list ethernet physical tp 10bt 10bt-fd 100bt
100bt-fd 1000bt-fd autonegotiation
       configuration: autonegotiation=on broadcast=yes driver=alx duplex=full
ip=192.168.1.40 latency=0 link=yes multicast=yes port=twisted pair speed=100Mbit/s
       resources: irq:30 memory:ef100000-ef13ffff ioport:d000(size=128)
WARNING: output may be incomplete or inaccurate, you should run this program as
super-user.
```