

Quelques simples commandes Linux

ifconfig : donne l'adresse IP des connexions en cable ethernet et wifi

sudo mii-tool : pour vérifier si la liaison matérielle ethernet est OK

sudo netstat -lp -inet : affiche les ports ouverts

ping -c 10 127.0.0.1 vérifie si la carte réseau est OK

ping -c 10 www.google.com vérifie si internet est OK

```
didier@debian:~$ ping -c 10 127.0.0.1
PING 127.0.0.1 (127.0.0.1) 56(84) bytes of data:
64 bytes from 127.0.0.1: icmp_seq=1 ttl=64 time=0.064 ms
64 bytes from 127.0.0.1: icmp_seq=2 ttl=64 time=0.063 ms
64 bytes from 127.0.0.1: icmp_seq=3 ttl=64 time=0.065 ms
64 bytes from 127.0.0.1: icmp_seq=4 ttl=64 time=0.068 ms
64 bytes from 127.0.0.1: icmp_seq=5 ttl=64 time=0.067 ms
64 bytes from 127.0.0.1: icmp_seq=6 ttl=64 time=0.067 ms
64 bytes from 127.0.0.1: icmp_seq=7 ttl=64 time=0.069 ms
64 bytes from 127.0.0.1: icmp_seq=8 ttl=64 time=0.068 ms
64 bytes from 127.0.0.1: icmp_seq=9 ttl=64 time=0.067 ms
64 bytes from 127.0.0.1: icmp_seq=10 ttl=64 time=0.068 ms

--- 127.0.0.1 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 8999ms
rtt min/avg/max/mdev = 0.063/0.066/0.069/0.009 ms
didier@debian:~$
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```
didier@debian:~$ ping -c 10 www.google.fr
PING www.google.fr (74.125.206.94) 56(84) bytes of data:
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=1 ttl=44 time=20.5 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=2 ttl=44 time=19.8 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=3 ttl=44 time=20.8 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=4 ttl=44 time=20.4 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=5 ttl=44 time=20.1 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=6 ttl=44 time=21.0 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=7 ttl=44 time=20.6 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=8 ttl=44 time=21.2 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=9 ttl=44 time=21.0 ms
64 bytes from wk-in-f94.1e100.net (74.125.206.94): icmp_seq=10 ttl=44 time=20.6 ms

--- www.google.fr ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9013ms
rtt min/avg/max/mdev = 19.832/20.668/21.280/0.417 ms
didier@debian:~$
```

route : donne le nom de votre Box, permet de la pinguer

```
didier@debian:~$ route
Table de routage IP du noyau
Destination      Passerelle      Genmask          Indic  Metric Ref    Use Iface
default          livebox.home    0.0.0.0         UG    1024  0      0 eth0
192.168.1.0     *              255.255.255.0   U      0      0      0 eth0
192.168.1.0     *              255.255.255.0   U      0      0      0 wlan0
didier@debian:~$ ping livebox.home
PING livebox.home (192.168.1.1) 56(84) bytes of data:
64 bytes from livebox.home (192.168.1.1): icmp_seq=1 ttl=64 time=0.289 ms
64 bytes from livebox.home (192.168.1.1): icmp_seq=2 ttl=64 time=0.355 ms
64 bytes from livebox.home (192.168.1.1): icmp_seq=3 ttl=64 time=0.467 ms
64 bytes from livebox.home (192.168.1.1): icmp_seq=4 ttl=64 time=0.458 ms
64 bytes from livebox.home (192.168.1.1): icmp_seq=5 ttl=64 time=0.349 ms
64 bytes from livebox.home (192.168.1.1): icmp_seq=6 ttl=64 time=0.515 ms
64 bytes from livebox.home (192.168.1.1): icmp_seq=7 ttl=64 time=0.553 ms
^C
--- livebox.home ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6000ms
rtt min/avg/max/mdev = 0.289/0.426/0.553/0.092 ms
didier@debian:~$
```

df -h : donne le nom de votre disque dur : ici sda1 + % occupation espace disque

```
didier@debian:~$ df -h
Sys. de fichiers Taille Utilisé Dispo Uti% Monté sur
/dev/sda1          145G   3,0G  135G   3% /
udev               10M     0    10M   0% /dev
tmpfs              196M   4,8M  191M   3% /run
tmpfs              488M   68K   488M   1% /dev/shm
tmpfs              5,0M   4,0K   5,0M   1% /run/lock
tmpfs              488M     0   488M   0% /sys/fs/cgroup
tmpfs              98M    4,0K   98M   1% /run/user/108
tmpfs              98M    12K   98M   1% /run/user/1000
didier@debian:~$
```

sudo smartctl -a /dev/sda1 : vérifie les erreurs de mon disque dur

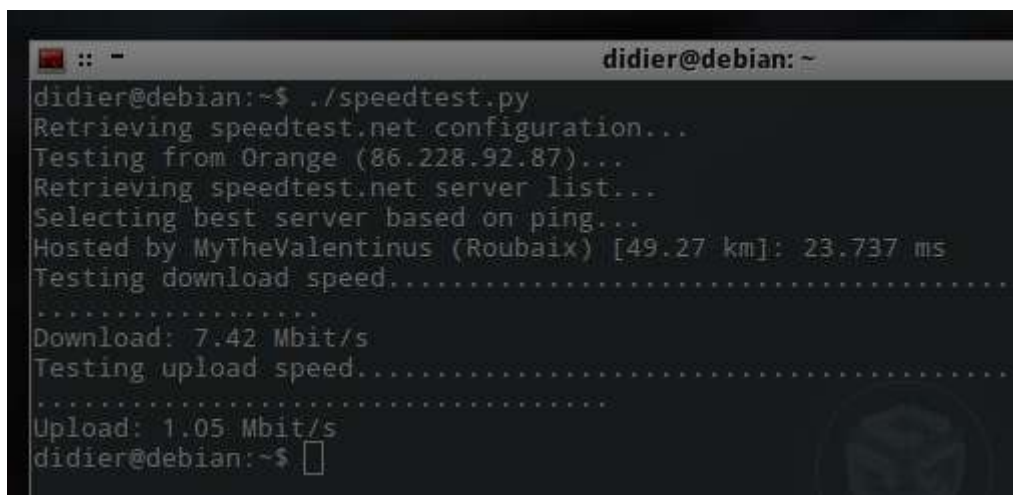
sudo dmidecode : infos sur la carte mère : nombreuses informations

uname -a : infos sur le système d'exploitation

```
didier@debian:~$ uname -a
Linux debian 3.16.0-4-686-pae #1 SMP Debian 3.16.39-1+deb8u1 (2017-02-22) i686 GNU/
Linux
didier@debian:~$
```

pour terminer, une petite commande sympa permettant de **connaître votre débit descendant**

- installer python **sudo apt-get install python**
- télécharger le script **wget https://raw.githubusercontent.com/sivel/speedtest-cli/master/speedtest.py**
- le rendre executable **chmod +x speedtest.py**
- lancer **./speedtest.py**



```
didier@debian:~$ ./speedtest.py
Retrieving speedtest.net configuration...
Testing from Orange (86.228.92.87)...
Retrieving speedtest.net server list...
Selecting best server based on ping...
Hosted by MyTheValentinus (Roubaix) [49.27 km]: 23.737 ms
Testing download speed.....
.....
Download: 7.42 Mbit/s
Testing upload speed.....
.....
Upload: 1.05 Mbit/s
didier@debian:~$
```

bonnes manips !

Didier