SSH



SSH is an internet protocol that lets you connect to a remote computer, for instance your lab's computer :)

There is a doc in intragere, quickly summarized for *NIX environment hereafter.

First, you have to know the IP adresse of your computer. In a terminal, enter

```
ip a
```

It should return something like

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group
default qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s25: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast
state UP group default qlen 1000
    link/ether 34:64:a9:d1:2c:fb brd ff:ff:ff:ff:ff:ff
    inet 152.77.132.162/24 brd 152.77.132.255 scope global dynamic enp0s25
       valid_lft 28304sec preferred_lft 28304sec
    inet6 fe80::3664:a9ff:fed1:2cfb/64 scope link
       valid_lft forever preferred_lft forever
3: wlo1: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default
qlen 1000
    link/ether be:a0:2c:8f:12:ec brd ff:ff:ff:ff:ff:ff
```

We are looking for the ethernet adresse (namely `enp0s5` in this case, but could be `eth0` or other): `152.77.132.162` (it should start with `152.77.`)

Then, the IGE use a ssh passerelle, so we need to use it each time. For instance, with this config in `~/.ssh/config` (replace *login* by your login):

```
Host 152.77.132.162
    ProxyCommand nohup ssh login@ssh.ige-grenoble.fr nc -w1 %h %p
```

Then, to open a ssh connection, in a terminal enter:

```
ssh login@152.77.132.162
```



You may want to setup an ssh key in order not to enter your password every time... There are plenty of tutorial on how to do it



(https://www.digitalocean.com/community/tutorials/how-to-set-up-ssh-keys-on-debian-10 for instance).

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