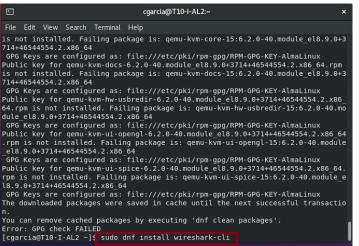
Wireshark Installation and Use.

Wireshark installation from command line in Linux Alma:

sudo dnf install wireshark

sudo dnf install wireshark-cli

sudo wireshark &



```
cgarcia@T10-I-AL2:~
File Edit View Search Terminal Help
GPG Keys are configured as: file:///etc/pki/rpm-gpg/RPM-GPG-KEY-AlmaLinux
ublic key for gemu-kym-ui-opengl-6.2.0-40.module el8.9.0+3714+46544554.2.x86 64.rpm is not installed. Failing package is: gemu-kym-ui-opengl-15:6.2.0-40.module el8
GPG Keys are configured as: file:///etc/pki/rpm-gpg/RPM-GPG-KEY-AlmaLinux
 ublic key for gemu-kvm-ui-spice-6.2.0-40.module el8.9.0+3714+46544554.2.x86 64.rpm is not installed. Failing package is: gemu-kvm-ui-spice-15:6.2.0-40.module el8.9
GPG Keys are configured as: file:///etc/pki/rpm-gpg/RPM-GPG-KEY-AlmaLinux
he downloaded packages were saved in cache until the next successful transaction.
ou can remove cached packages by executing 'dnf clean packages'
 cgarcia@T10-I-AL2 ~]$ sudo dnf install wireshark-cli
ast metadata expiration check: 1:33:21 ago on Fri 26 Jan 2024 12:20:33 PM CST
                                         Architecture
                                                                                                                         Renository
Installing:
wireshark-cli
Installing dependencies:
                                          x86 64
                                                                            0.4.8-23.el8
                                                                                                                          appstream
Transaction Summary
Fotal download size: 19 M
nstalled size: 105 M
  this ok [y/N]:
```

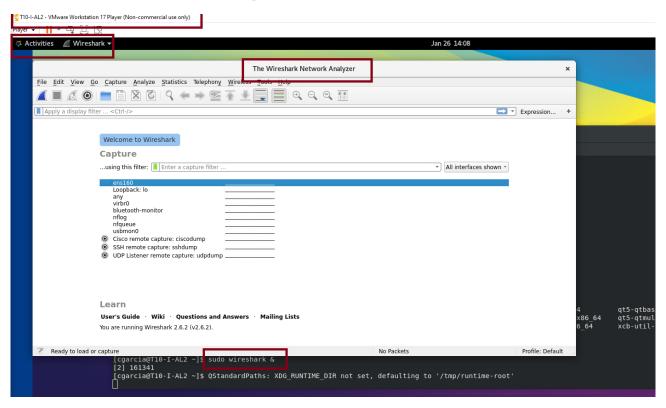


```
Total download size: 19 M
nstalled size: 105 M
Is this ok [y/N]: y
Downloading Packages:
(1/2): libsmi-0.4.8-23.el8.x86_64.rpm
(2/2): wireshark-cli-2.6.2-17.el8.x86 64.rpm
Running transaction check
 ransaction check succeeded.
 unning transaction test
 ransaction test succeeded
 unning transaction
                  : libsmi-0.4.8-23.el8.x86 64
 Running scriptlet: libsmi-0.4.8-23.el8.x86 64
 Running scriptlet: wireshark-cli-1:2.6.2-17.el8.x86 64
                 : wireshark-cli-1:2.6.2-17.el8.x86 64
 Running scriptlet: wireshark-cli-1:2.6.2-17.el8.x86 64
                  : libsmi-0.4.8-23.el8.x86 64
                  : wireshark-cli-1:2.6.2-17.el8.x86 64
Installed:
 libsmi-0.4.8-23.el8.x86 64
                                                                               wireshark-cli-1:2.6.2-17.el8.x86 64
cgarcia@T10-I-AL2 ~]$
```

```
Installed:
  libsmi-0.4.8-23.el8.x86_64

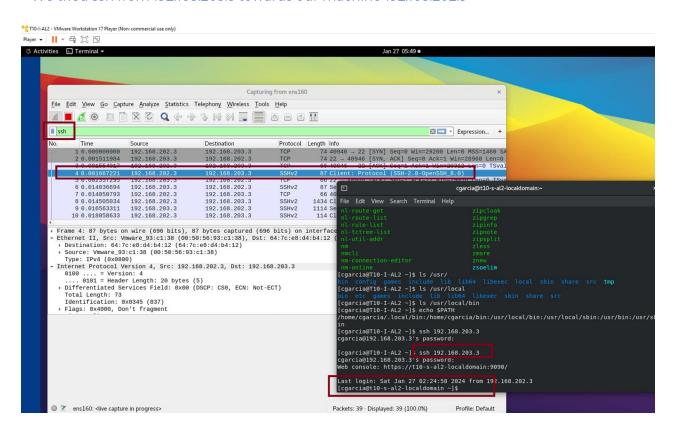
Complete!
[cgarcia@T10-I-AL2 ~ | $ sudo wireshark & |
```

Wireshark can be open from the command line or from the gui



We had connectivities problems in our network and want to know if we lack connectivity to another computer while connecting with ssh or it was a problem in the settings of the machine. We can capture traffic filtering what is of interest to isolate problems in this case.

We tried ssh from 192.168.203.3 towards our machine 192.168.202.3



To isolate the problem we used Wireshark filtering the ssh connections from and to our machine to see if firewalls allow connections. Here we apply 2 filters, one to ssh connections and the other to the address 192.168.202.3 of our machine. We see that connections are working well, then the problem was located later in the \$PATH variable of our Linux.

