https://asciinema.org/a/w7kAHAfFVAoYybdYt7SvJAwYq

```
[sudo] contraseña para brayan:
root@brayan-VirtualBox:/home/brayan# passwd
Nueva contraseña:
Vuelva a escribir la nueva contraseña:
passwd: contraseña actualizada correctamente
root@brayan-VirtualBox:/home/brayan# ls /
bin dev lib libx32 mnt root snap sys usr
boot etc lib32 lost+found opt run srv test var
cdrom home lib64 media proc sbin swapfile tmp
root@brayan-VirtualBox:/home/brayan# cd /
root@brayan-VirtualBox:/# pwd
root@brayan-VirtualBox:/# mkdir /home/prueba
root@brayan-VirtualBox:/# touch /home/prueba/test
root@brayan-VirtualBox:/# whoami
root@brayan-VirtualBox:/# cat /root/.bash_history
is /
pwd
mkdir /home/prueba
touch /home/prueba/test
mkdir home/prueba
passwd
is /
pwd
mkdir /home/prueba
sudo rm -r prueba
passwd
ls /
pwd
mkdir /home/prueba
touch /home/prueba/test
whoam1
cat /root/.bash_history
cp /home/prueba/test /root/
rm /home/prueba/test
mv /root/test /
ping www.google.com
sudo rm -r prueba
passwd
ls /
pwd
mkdir /home/prueba
```

```
mkdir /home/prueba
mkdir /home/prueba
/home/prueba/test
sudorm -r prueba
passwd
ls /
cd /
pure
/home/prueba
/toet/home/prueba
touch /home/prueba
touch /home/prueba/test
whomai
whomai
whomai
touch /home/prueba/test
whomai
whomai
whomai
youthest /
ra //root/.hash_history
cat /root/.hash_history
cat /root/.hash_history
cat /root/.hash_history
cat /root/.hash_history
cat /root/.test /
ra //root/test /
root/prayan-virtualos:/# cp /home/prueba/test /root/
root@prayan-virtualos:/# ra /home/prueba/test
root@prayan-virtualos:/# ra /home/p
```

```
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
        inetó fe80::df98:52a0:4357:213a prefixlen 64 scopeid 0x20<link>
        ether 08:00:27:79:45:b1 txqueuelen 1000 (Ethernet)
        RX packets 1502 bytes 945602 (945.6 KB)
        RX errors 0 dropped 0 overruns 0 frame 0
TX packets 1331 bytes 194536 (194.5 KB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
        inetó ::1 prefixlen 128 scopeid 0x10<host>
        loop txqueuelen 1000 (Bucle local)
RX packets 392 bytes 35135 (35.1 KB)
        RX errors 0 dropped 0 overruns 0 frame 0
TX packets 392 bytes 35135 (35.1 KB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
root@brayan-VirtualBox:/# netstat
Conexiones activas de Internet (servidores w/o)
Proto Recib Enviad Dirección local
                                               Dirección remota
                                                                          Estado
udp 0 0 brayan-VirtualBo:bootpc _gateway:bootps
Sockets activos de dominio UNIX (servidores w/o)
                                                                            ESTABLECIDO
Proto RefCnt Flags
                                        State
                                                       I-Node
                                                                 Ruta
                           DGRAM
                                                                 /run/user/1000/systemd/notify
                           DGRAM
                                        CONECTADO
                                                       17665
                                                                 /run/systemd/notify
                                                                 /run/systemd/journal/syslog
/run/systemd/journal/dev-log
                           DGRAM
unix 20
                           DGRAM
                                        CONECTADO
                           DGRAM
                                        CONECTADO
                                                                  /run/systemd/journal/socket
                           DGRAM
                                                       32780
unix
                                                                 /run/user/1000/bus
unix
                           FLUJO
                                        CONECTADO
                                                       31649
                                                                 /run/dbus/system_bus_socket
                           FLUJO
                                        CONECTADO
unix
                                                       23319
      3
                           FLUJO
                                        CONECTADO
                                                       37493
                                                                  /run/systemd/journal/stdout
unix
                                        CONECTADO
unix
                                        CONECTADO
unix
                           FLUJO
                                                       29388
                                                                 @/tmp/.X11-unix/X0
                                                                 /run/dbus/system_bus_socket
                           FLUJO
unix
                                        CONECTADO
                                        CONECTADO
unix
                           FLUJO
                                        CONECTADO
                                                                 /run/user/1000/bus
                                                       26851
unix
                           DGRAM
                                        CONECTADO
                           FLUJO
                                        CONECTADO
                                                       37629
                           FLUJ0
                                        CONECTADO
                                                       31760
                                                                 /run/systemd/journal/stdout
                           FLUJ0
                                        CONECTADO
                                                       27890
                                                                  /run/user/1000/bus
                                        CONECTADO
                                                                 @touchegg
                                        CONECTADO
                                                                  /run/user/1000/bus
                                        CONECTADO
                           FLUJO
                                        CONECTADO
                                                       29403
                                                                 /run/user/1000/bus
                           DGRAM
                           FLUJO
                                        CONECTADO
                                                       27457
                           FLUJO
                                        CONECTADO
                           DGRAM
                                        CONECTADO
                                                       21505
unix
                           FLUJO
                                        CONECTADO
                                                       58928
unix
                           FLUJO
                                        CONECTADO
                                                       37174
unix
                                        CONECTADO
                                                       33798
                                                                  /run/user/1000/bus
unix
```

| MiB Inte | ercambio: | 7 | 01.9 | total, | 653. | 3 libre, | 48 | .5 usad | do. 699.6 dispon Mem |
|----------|-----------|----|------|---------|--------|----------|------|---------|-------------------------------------|
| PID | USUARIO | PR | NI | VIRT | RES | SHR S | %CPU | %MEM | HORA+ ORDEN |
| 1035 | brayan | 20 | | 4059224 | 422988 | 141180 F | 18.8 | 21.0 | 2:25.51 gnome-shell |
| 762 | brayan | | | 320776 | 104180 | 62132 9 | 6.8 | | 1:09.18 Xorg |
| 4768 | brayan | | | 825644 | 58500 | 43996 9 | | | 0:03.24 gnome-terminal- |
| 553 | root | | | 334164 | 14040 | 12184 9 | 0.5 | | 0:03.30 touchegg |
| 751 | brayan | | -11 | 1936212 | 16084 | 13780 9 | 0.5 | 0.8 | 0:00.84 pulseaudio |
| 1174 | brayan | | | 350352 | 29248 | 19256 8 | 0.5 | | 0:00.47 gsd-power |
| 2444 | brayan | | | 895996 | 66980 | 50804 5 | 0.5 | | 0:00.48 gnome-calendar |
| 1 | root | | | 168000 | 11180 | 8228 5 | 0.0 | 0.6 | 0:01.19 systemd |
| 2 | root | | | | | | 0.0 | 0.0 | 0:00.00 kthreadd |
| 3 | root | | | | | 0 1 | 0.0 | 0.0 | 0:00.00 rcu_gp |
| 4 | root | | | | | 0 1 | 0.0 | 0.0 | 0:00.00 rcu_par_gp |
| 5 | root | | | | | 0 1 | 0.0 | 0.0 | 0:00.00 slub_flushwq |
| 6 | root | | | | | 0 1 | 0.0 | 0.0 | 0:00.00 netns |
| 8 | root | | | | | 0 1 | 0.0 | 0.0 | 0:00.00 kworker/0:0H-events_highpri |
| 10 | root | | | | | 0 1 | 0.0 | 0.0 | 0:00.00 mm_percpu_wq |
| 11 | root | | | | | | 0.0 | 0.0 | 0:00.00 rcu_tasks_rude_ |
| 12 | root | | | | | | 0.0 | 0.0 | 0:00.00 rcu_tasks_trace |
| 13 | root | | | | | | 0.0 | 0.0 | 0:00.06 ksoftirqd/0 |
| 14 | root | | | | | 0 1 | 0.0 | 0.0 | 0:00.52 rcu_sched |
| 15 | root | rt | Θ | Θ | Θ | 0 5 | 0.0 | 0.0 | 0:00.05 migration/0 |

top - 17:58:22 up 1:03, 1 user, load average: 0.08, 0.16, 0.14 Tareas: **194** total, 1 ejecutar, **193** hibernar, 0 detener, 0 zombie %Cpu(s): 1.2 usuario, 0.2 sist, 0.0 adecuado, 98.5 inact, 0.2 en espera, 0.0 hardw int, 0.0 softw int, 0.0 robar tiempo MiB Mem : **1963.9** total, **172.1** libre, **1081.1** usado, **710.7** búfer/caché MiB Intercambio: **701.9** total, **653.3** libre, **48.5** usado. **699.9** dispon Mem

| PID U | USUARIO | PR | NI | VIRT | RES | SHR | S %CP | U %MEM | HORA+ | ORDEN |
|--------|--------------|---------|----------|---------|--------|--------|-------|--------|---------|-----------------------------|
| 1035 t | brayan | 20 | 0 | 4058520 | 422024 | 140380 | S 2. | 0 21.0 | 2:26.63 | gnome-shell |
| 762 t | brayan | 20 | | 327492 | 110648 | 61180 | | 3 5.5 | 1:09.46 | Xorg |
| 4768 t | brayan | 20 | | 826284 | 58996 | 43996 | | 3 2.9 | 0:03.44 | gnome-terminal- |
| 4919 r | root | 20 | Θ | 14796 | 4120 | 3340 | R 0. | 3 0.2 | 0:00.23 | top |
| 1 r | root | 20 | | 168000 | 11180 | 8228 | s 0. | 0.6 | 0:01.20 | systemd |
| 2 г | root | 20 | | | | | | 0.0 | 0:00.00 | kthreadd |
| 3 r | root | | -20 | | | | | 0.0 | 0:00.00 | rcu_gp |
| 4 1 | root | | -20 | | | | | 0.0 | 0:00.00 | rcu_par_gp |
| 5 r | root | | -20 | | | | | 0.0 | 0:00.00 | slub_flushwq |
| 6 r | root | | -20 | | | | | 0.0 | 0:00.00 | netns |
| 8 r | root | | -20 | | | | | 0.0 | 0:00.00 | kworker/0:0H-events_highpri |
| 10 r | | | -20 | | | | | | | mm_percpu_wq |
| 11 r | | 20 | | | | | | | | rcu_tasks_rude_ |
| | root | 20 | | | | | | | | rcu_tasks_trace |
| | root | 20 | | | | | | | | ksoftirqd/0 |
| | root | 20 | | | | | | | | rcu_sched |
| | root | rt | | | | | | | | migration/0 |
| | root | -51 | | | | | | | | idle_inject/0 |
| 18 r | | 20 | | | | | | | | cpuhp/0 |
| | root | 20 | | | | | | | | cpuhp/1 |
| 20 r | | -51 | 0 | 0 | 0 | θ | | | | idle_inject/1 |
| | root | rt | 0 | 9 | Θ | θ | | | | migration/1 |
| | root | 20 | 9 | 9 | 0 | Θ | | | | ksoftirqd/1 |
| 24 1 | | | -20 | 0 | 0 | 9 | | | | kworker/1:0H-kblockd |
| | root | 20 0 | 0 -20 | 9 | Θ Θ | 9 | | | | kdevtmpfs |
| | root root | 20 | -20 | 9 | 9 | 9 | | | | inet_frag_wq kauditd |
| | root | 20 | 9 | 9 | Θ | 9 | | | | khungtaskd |
| | root | 20 | 9 | 9 | ő | 9 | | | | oom_reaper |
| | root | | -20 | 9 | ő | 9 | | | | writeback |
| | root | 20 | 9 | Ö | ē | ĕ | | | | kcompactd0 |
| | root | 25 | 5 | 9 | ĕ | ë | | | | |
| | root | 39 | 19 | ŏ | ĕ | ĕ | | | | khugepaged |
| | root | | -20 | ĕ | | | | | | kintegrityd |
| | root | | -20 | | | | | | | kblockd |
| | root | | -20 | | | | | 0.0 | | blkcg_punt_bio |
| | root | | -20 | | | | Ι Θ. | | | tpm_dev_wq |
| | root | | -20 | | | | Ι Θ. | 0.0 | | ata_sff |
| 85 r | root | | -20 | | | | | 0.0 | | |
| 86 r | root | | -20 | | | | | 0.0 | 0:00.00 | edac-poller |
| 87 r | root | | -20 | | | | | 0.0 | 0:00.00 | devfreq_wq |
| 88 r | root | | | | | | | 0.0 | 0:00.00 | watchdogd |
| 90 r | root | | -20 | | | | | 0.0 | 0:00.16 | kworker/0:1H-kblockd |
| 92 r | root | 20 | | | | | | 0.0 | 0:00.54 | kswapd0 |
| 93 r | root | 20 | 0 | 0 | 0 | 9 | s 0. | 0.0 | 0:00.00 | ecryptfs-kthrea |