Comando: df


```
juani123@Ubuuu:~$ df
Filesystem      1K-blocks      Used Available Use% Mounted on
udev             1013328          0   1013328   0% /dev
tmpfs             206216       3176    203040   2% /run
/dev/sda1        7139940    1178944   5575256  18% /
tmpfs            1031072          0   1031072   0% /dev/shm
tmpfs               5120          0      5120   0% /run/lock
tmpfs            1031072          0   1031072   0% /sys/fs/cgroup
tmpfs             206216          0    206216   0% /run/user/1000
juani123@Ubuuu:~$
```

Funcionalidad: Muestra el almacenamiento disponible y utilizado de los sistemas de archivos en la máquina.

Comando: top


```
top - 22:25:56 up 2 min,  1 user,  load average: 0.00, 0.00, 0.00
Tasks:  81 total,   1 running,  80 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.0 us,  0.0 sy,  0.0 ni,100.0 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
KiB Mem :  2062148 total,  1926844 free,    36800 used,    98504 buff/cache
KiB Swap:   998396 total,   998396 free,        0 used.  1834072 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S %CPU %MEM     TIME+ COMMAND
   81 root      20   0       0      0      0 S  0.3  0.0   0:00.07 kworker/0:2
    1 root      20   0    6412   4720   3668 S  0.0  0.2   0:01.02 systemd
    2 root      20   0       0      0      0 S  0.0  0.0   0:00.00 kthreadd
    3 root      20   0       0      0      0 S  0.0  0.0   0:00.01 ksoftirqd/0
    4 root      20   0       0      0      0 S  0.0  0.0   0:00.00 kworker/0:0
    5 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 kworker/0:0H
    6 root      20   0       0      0      0 S  0.0  0.0   0:00.01 kworker/u2:0
    7 root      20   0       0      0      0 S  0.0  0.0   0:00.08 rcu_sched
    8 root      20   0       0      0      0 S  0.0  0.0   0:00.00 rcu_bh
    9 root      rt   0       0      0      0 S  0.0  0.0   0:00.00 migration/0
   10 root      rt   0       0      0      0 S  0.0  0.0   0:00.00 watchdog/0
   11 root      20   0       0      0      0 S  0.0  0.0   0:00.00 kdevtmpfs
   12 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 netns
   13 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 perf
   14 root      20   0       0      0      0 S  0.0  0.0   0:00.00 khungtaskd
   15 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 writeback
   16 root      25   5       0      0      0 S  0.0  0.0   0:00.00 ksmd
   17 root      39  19       0      0      0 S  0.0  0.0   0:00.00 khugepaged
   18 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 crypto
   19 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 kintegrityd
   20 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 bioset
   21 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 kblockd
   22 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 ata_sff
   23 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 md
   24 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 devfreq_wq
   25 root      20   0       0      0      0 S  0.0  0.0   0:00.35 kworker/u2:1
   26 root      20   0       0      0      0 S  0.0  0.0   0:00.04 kworker/0:1
   28 root      20   0       0      0      0 S  0.0  0.0   0:00.00 kswapd0
   29 root       0 -20       0      0      0 S  0.0  0.0   0:00.00 vmstat
   30 root      20   0       0      0      0 S  0.0  0.0   0:00.00 fsnotify_mark
```

Funcionalidad: Permite ver las tareas que se están ejecutando en el sistema en tiempo real.

Comando: poweroff


```
juani123@Ubuuu:~$ poweroff
Failed to set wall message, ignoring: The name org.freedesktop.PolicyKit1 was not provided by any .s
ervice files
Failed to power off system via logind: The name org.freedesktop.PolicyKit1 was not provided by any .
service files
Failed to start poweroff.target: The name org.freedesktop.PolicyKit1 was not provided by any .servic
e files
See system logs and 'systemctl status poweroff.target' for details.
Failed to open /dev/initctl: Permission denied
Failed to talk to init daemon.
juani123@Ubuuu:~$
```

Funcionalidad: Nos permite apagar la máquina virtual.

Equivalencias en windows

df: En windows podemos ver las unidades de almacenamiento y su uso con el comando **df -h.**

top: En windows vemos los procesos activos con el comando **tasklist.**

poweroff: Con el **shutdown /s /t** comando apagamos el sistema, incluso podemos temporizar.