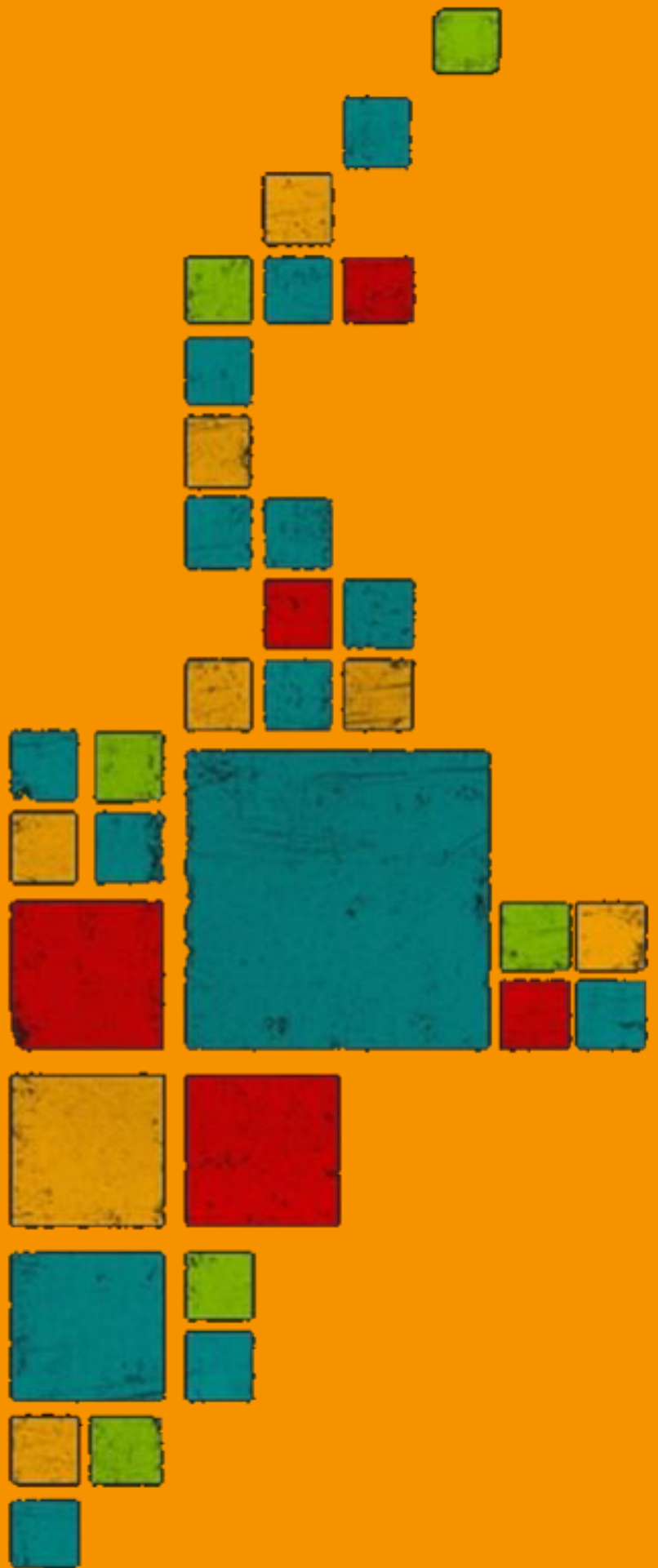


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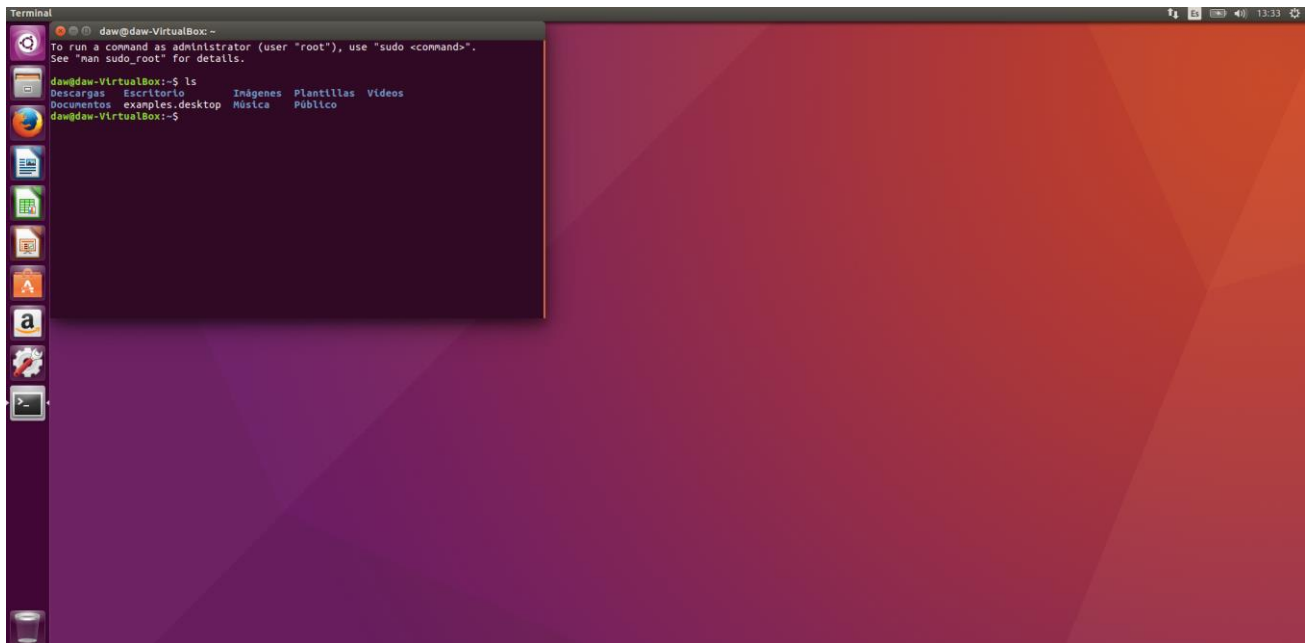
Comandos

Comandos variados probados en clase

Dudas

- Comando mount, sintaxis y ejecución.
- Comando dd, estructura.

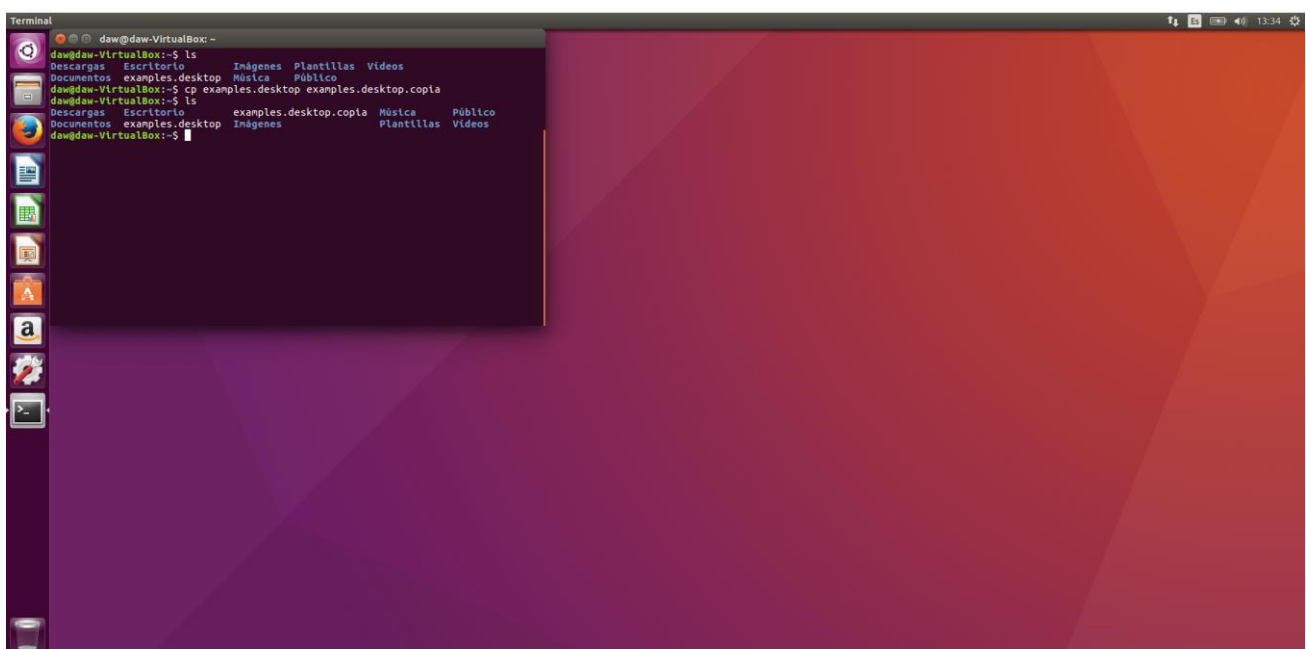
1. LS



```
Terminal
daw@daw-VirtualBox: ~
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

daw@daw-VirtualBox:~$ ls
Descargas  Escritorio  Imágenes  Plantillas  Videos
Documentos examples.desktop  Música    Público
daw@daw-VirtualBox:~$
```

2. CP



```
Terminal
daw@daw-VirtualBox: ~
daw@daw-VirtualBox:~$ ls
Descargas  Escritorio  Imágenes  Plantillas  Videos
Documentos examples.desktop  Música    Público
daw@daw-VirtualBox:~$ cp examples.desktop examples.desktop.copia
daw@daw-VirtualBox:~$ ls
Descargas  Escritorio  examples.desktop.copia  Música    Público
Documentos examples.desktop  Imágenes  Plantillas  Videos
daw@daw-VirtualBox:~$
```

3. DD

```

Terminal
root@daw-VirtualBox: ~
daw@VirtualBox:~$ ls
Descargas  Escritorio  Imágenes  Plantillas  Videos
documentos examples.desktop Música  Público
daw@VirtualBox:~$ cp examples.desktop examples.desktop.copia
daw@VirtualBox:~$ ls
Descargas  Escritorio  Imágenes  Plantillas  Videos
documentos examples.desktop examples.desktop.copia Música  Público
daw@VirtualBox:~$ dd if=/dev/sda of=fich_mbr bs=512 count=1
dd: operando no reconocido «of»
Pruebe 'dd --help' para más información.
daw@VirtualBox:~$ dd if=/dev/sda of=fich_mbr bs=512 count=1
dd: No se puede abrir '/dev/sda': Permiso denegado
daw@VirtualBox:~$ sudo -s
[sudo] password for daw:
root@daw-VirtualBox:~# dd if=/dev/sda of=fich_mbr bs=512 count=1
1+0 registros leídos
1+0 registros escritos
512 bytes copiados, 9,5e-05 s, 5,4 MB/s
root@daw-VirtualBox:~#

```

4. MV

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# ls
Descargas  examples.desktop  Imágenes  Público
documentos  examples.desktop.copia  Música  Videos
Escritorio  fich_mbr  Plantillas
root@daw-VirtualBox:~# mv fich_mbr Documentos/fich_mbr
root@daw-VirtualBox:~# ls
Descargas  examples.desktop  Imágenes  Público
documentos  examples.desktop.copia  Plantillas  Videos
root@daw-VirtualBox:~#

```

5. RM

```
Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# ls
Descargas  Escritorio  examples.desktop.copia  Música  Público
Documentos examples.desktop  Imágenes  Plantillas  Videos
root@daw-VirtualBox:~# rm examples.desktop.copia
root@daw-VirtualBox:~# ls
Descargas  Escritorio  Imágenes  Plantillas  Videos
Documentos examples.desktop  Música  Público
root@daw-VirtualBox:~#
```

6. LN

```
Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# ls
Descargas  Escritorio  examples.desktop.copia  Música  Público
Documentos examples.desktop  Imágenes  Plantillas  Videos
root@daw-VirtualBox:~# rm examples.desktop.copia
root@daw-VirtualBox:~# ls
Descargas  Escritorio  Imágenes  Plantillas  Videos
Documentos examples.desktop  Música  Público
root@daw-VirtualBox:~# ln -s examples.desktop
ln: fallo al crear el enlace simbólico './examples.desktop': El archivo ya existe
root@daw-VirtualBox:~# ln -s examples.desktop2
root@daw-VirtualBox:~# ls
Descargas  Escritorio  examples.desktop2  Música  Público
Documentos examples.desktop  Imágenes  Plantillas  Videos
root@daw-VirtualBox:~#
```

7. CD

```
Terminal
root@daw-VirtualBox: /home
root@daw-VirtualBox:~# ls
Descargas  Escritorio  examples.desktop  Música  Público
Documentos  examples.desktop  Imágenes  Plantillas  Videos
root@daw-VirtualBox:~# cd ../
root@daw-VirtualBox:~# ls
daw
root@daw-VirtualBox:~/daw#
```

8. MKDIR

```
Terminal
root@daw-VirtualBox: /home
root@daw-VirtualBox:~/daw# ls
root@daw-VirtualBox:~/daw# mkdir creada
root@daw-VirtualBox:~/daw# ls
creada  daw
root@daw-VirtualBox:~/daw#
```

9. RMDIR

```

Terminal
root@daw-VirtualBox: /home
root@daw-VirtualBox:/home# ls
creada daw
root@daw-VirtualBox:/home# rmdir creada
root@daw-VirtualBox:/home# ls
daw
root@daw-VirtualBox:/home#

```

10. CHOWN

```

Terminal
root@daw-VirtualBox: /home
root@daw-VirtualBox:/home# ls
creada daw
root@daw-VirtualBox:/home# rmdir creada
root@daw-VirtualBox:/home# ls
daw
root@daw-VirtualBox:/home# chown -R root daw
root@daw-VirtualBox:/home# ls -l
total 4
drwxr-xr-x 15 root daw 4096 mar 14 13:38 daw
root@daw-VirtualBox:/home#

```

11. CHGRP

```
Terminal
root@daw-VirtualBox: /home
root@daw-VirtualBox:/home# ls -l
total 4
drwxr-xr-x 15 root daw 4096 mar 14 13:38 daw
root@daw-VirtualBox:/home# chgrp daw root
chgrp: no se puede acceder a 'root': No existe el archivo o el directorio
root@daw-VirtualBox:/home# chgrp root daw
root@daw-VirtualBox:/home# ls -l
total 4
drwxr-xr-x 15 root root 4096 mar 14 13:38 daw
root@daw-VirtualBox:/home#
```

12. CHMOD

```
Terminal
root@daw-VirtualBox: /home
root@daw-VirtualBox:/home# ls -l
total 4
drwxr-xr-x 15 root root 4096 mar 14 13:38 daw
root@daw-VirtualBox:/home# chmod 777 daw
root@daw-VirtualBox:/home# ls -l
total 4
drwxrwxrwx 15 root root 4096 mar 14 13:38 daw
root@daw-VirtualBox:/home#
```

13. GZIP

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:/home# ls
root@daw-VirtualBox:/home# gzip daw
gzip: daw is a directory -- ignored
root@daw-VirtualBox:/home# cd daw
root@daw-VirtualBox:~/daw# ls
Descargas  Escritorio  examples.desktop2  Música  Público
Documentos examples.desktop  Imágenes  Plantillas  Videos
root@daw-VirtualBox:~/daw# gzip examples.desktop2
gzip: examples.desktop2: Too many levels of symbolic links
root@daw-VirtualBox:~/daw# gzip examples.desktop
root@daw-VirtualBox:~/daw# ls
Descargas  Escritorio  examples.desktop.gz  Música  Público
Documentos  examples.desktop2  Imágenes  Plantillas  Videos
root@daw-VirtualBox:~/daw#

```

14. TAR

```

Terminal
root@daw-VirtualBox: ~
./config/pulse/96cd71e7b05a4cc08703f4ef4ed41360-device-volumes.tdb
./config/pulse/96cd71e7b05a4cc08703f4ef4ed41360-card-database.tdb
./config/pulse/96cd71e7b05a4cc08703f4ef4ed41360-default-sink
./config/pulse/96cd71e7b05a4cc08703f4ef4ed41360-default-source
./config/pulse/96cd71e7b05a4cc08703f4ef4ed41360-stream-volumes.tdb
./config/pulse/cookie
./config/unity/
./config/unity/first_run.stamp
./config/gnome-session/
./config/gnome-session/saved-session/
./config/libaccounts-glib/
./config/libaccounts-glib/accounts.db
./Música/
./xsession-errors
./examples.desktop2
./Documentos/
./Documentos/fich_mbr
./Videos/
tar: ./paquete.tar: el fichero es el propio archivo; no se vuelca
./Público/
./gnupg/
tar: ./gnupg/s.gpg-agent: el 'socket' no se tendrá en cuenta
./gnupg/private-keys-v1.d/
root@daw-VirtualBox: ~

```


15. LOCATE

```
Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# ls
Descargas  examples.desktop2  Música  Público
Documentos examples.desktop.gz paquete.tar Videos
Escritorio Inágenes          Plantillas
root@daw-VirtualBox:~# locate examples.desktop.gz
root@daw-VirtualBox:~# ls
Descargas  examples.desktop2  Música  Público
Documentos examples.desktop.gz paquete.tar Videos
Escritorio Inágenes          Plantillas
root@daw-VirtualBox:~#
```

16. UPDATE

```
Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# ls
Descargas  examples.desktop2  Música  Público
Documentos examples.desktop.gz paquete.tar Videos
Escritorio Inágenes          Plantillas
root@daw-VirtualBox:~# locate examples.desktop.gz
root@daw-VirtualBox:~# ls
Descargas  examples.desktop2  Música  Público
Documentos examples.desktop.gz paquete.tar Videos
Escritorio Inágenes          Plantillas
root@daw-VirtualBox:~# updatedb
root@daw-VirtualBox:~# locate examples.desktop.gz
/home/daw/examples.desktop.gz
root@daw-VirtualBox:~#
```

17. FIND

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# ls
Descargas  examples.desktop2  Música  Público
Documentos examples.desktop.gz paquete.tar Videos
Escritorio Inágenes           Plantillas
root@daw-VirtualBox:~# locate examples.desktop.gz
root@daw-VirtualBox:~# ls
Descargas  examples.desktop2  Música  Público
Documentos examples.desktop.gz paquete.tar Videos
Escritorio Inágenes           Plantillas
root@daw-VirtualBox:~# updatedb
root@daw-VirtualBox:~# locate examples.desktop.gz
/home/daw/examples.desktop.gz
root@daw-VirtualBox:~# find / -name examples.desktop2 -print
/home/daw/examples.desktop2

```


18. CAT

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# touch lol
root@daw-VirtualBox:~# ls
Descargas  examples.desktop2  lol  Plantillas
Documentos examples.desktop.gz Música  Público
Escritorio Inágenes           paquete.tar Videos
root@daw-VirtualBox:~# cat lol
root@daw-VirtualBox:~#

```

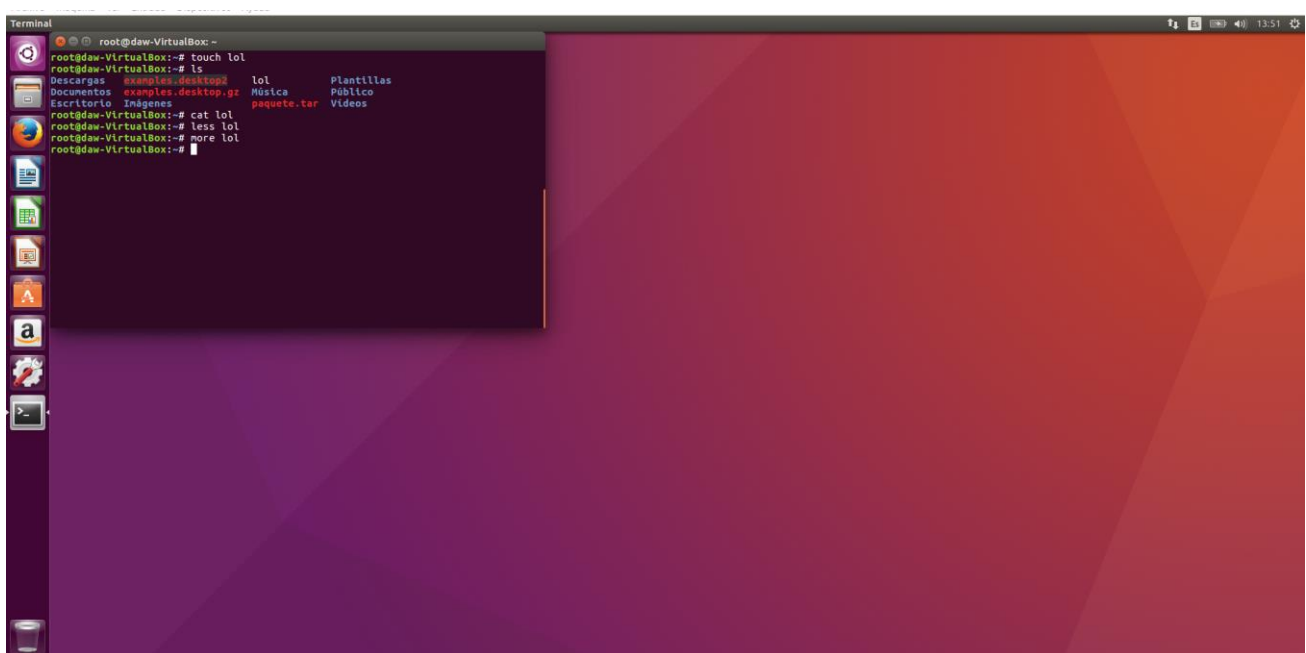
19. LESS



```

Terminal
root@daw-VirtualBox: ~
lol (END)
  
```

20. MORE



```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# touch lol
root@daw-VirtualBox:~# ls
Descargas  examples.desktop2  lol          Plantillas
Documentos examples.desktop.gz musica        Publico
Escritorio Inágenes           paquete.tar  Videos
root@daw-VirtualBox:~# cat lol
root@daw-VirtualBox:~# less lol
root@daw-VirtualBox:~# more lol
root@daw-VirtualBox:~#
  
```

21. GREP

23. UNAME

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# ls
Descargas  examples.desktop  lol      paquete.tar  Videos
Documentos examples.desktop.gz  ls      Plantillas
Escritorio Imágenes          Música  Público
root@daw-VirtualBox:~# diff -q lol ls
Los archivos lol y ls son distintos
root@daw-VirtualBox:~# uname
Linux
root@daw-VirtualBox:~# uname -a
Linux daw-VirtualBox 4.8.0-36-generic #36-16.04.1-Ubuntu SMP Sun Feb 5 09:39:57
UTC 2017 x86_64 x86_64 x86_64 GNU/Linux
root@daw-VirtualBox:~#

```

24. FDISK

```

Terminal
root@daw-VirtualBox: ~
Sector size (logical/physical): 512 bytes / 4096 bytes
I/O size (minimum/optimal): 4096 bytes / 4096 bytes

Disk /dev/ram1s: 64 MiB, 67108864 bytes, 131072 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 4096 bytes
I/O size (minimum/optimal): 4096 bytes / 4096 bytes

Disk /dev/sda: 80 GiB, 85899345920 bytes, 167772160 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk identifier: 0xe9144d89

Disposit.  Inicio   Start    Final    Sectores Size Id Tipo
/dev/sda1  *        2048    163577855 163575808 78G 83 Linux
/dev/sda2             163579902 167770111  4190210  2G  5 Extendida
/dev/sda5             163579904 167770111  4190208  2G 82 Linux swap / Solaris
root@daw-VirtualBox:~#

```

25. FREE

```
Terminal
root@daw-VirtualBox:~# free -h
total        used        free      shared  buff/cache   available
Memoria:    2047948    737832    129344      16420    1180772    1084916
Swap:       2095108      1964     2093136
root@daw-VirtualBox:~# free -m
total        used        free      shared  buff/cache   available
Memoria:      1999         720         126         16        1153        1059
Swap:         2045          1        2044
```

26. MOUNT

```
Terminal
root@daw-VirtualBox:~# mount -t hdb
root@daw-VirtualBox:~# mount -t hdb /mounted
mount: can't find /mounted in /etc/fstab
root@daw-VirtualBox:~#
```

27. LSMOD

```

Terminal
root@daw-VirtualBox: ~
serio_raw      16384 0
snd_ttnr       32768 2 snd_seq,snd_pcm
snd            86016 11 snd_seq,snd_ac97_codec,snd_timer,snd_rawmidi,snd
d_intel8x0,snd_seq_device,snd_pcm
vboxguest      280720 1 vboxvideo
l2c_piix4      24576 0
soundcore      16384 1 snd
mac_hid        16384 0
parport_pc     32768 0
ppdev          20480 0
lp             20480 0
parport        49152 3 lp,parport_pc,ppdev
autofs4        40960 2
hid_generic    16384 0
usbhid         53248 0
hid            122880 2 hid_generic,usbhid
psmouse        139264 0
ahci            36864 2
libahci        32768 1 ahci
tjps           28072 0
video          40960 0
e1000          143360 0
pata_acpi      16384 0
root@daw-VirtualBox: ~

```

28. LSPCI

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# lspci
00:00.0 Host bridge: Intel Corporation 440FX - 82441FX PMC [Natoma] (rev 02)
00:01.0 ISA bridge: Intel Corporation 82371SB PIIX3 ISA [Natoma/Triton II]
00:01.1 IDE interface: Intel Corporation 82371AB/EB/MB PIIX4 IDE (rev 01)
00:02.0 VGA compatible controller: Innatek Systemberatung GmbH VirtualBox Graphi
cs Adapter
00:03.0 Ethernet controller: Intel Corporation 82540EM Gigabit Ethernet Controll
er (rev 02)
00:04.0 System peripheral: Innatek Systemberatung GmbH VirtualBox Guest Service
00:05.0 Multimedia audio controller: Intel Corporation 82801AA AC'97 Audio contr
oller (rev 01)
00:06.0 USB controller: Apple Inc. KeyLargo/Intrepid USB
00:07.0 Bridge: Intel Corporation 82371AB/EB/MB PIIX4 ACPI (rev 08)
00:0d.0 SATA controller: Intel Corporation 828020M/HEM (ICH8M/ICH8M-E) SATA Cont
roller [AHCI mode] (rev 02)
root@daw-VirtualBox:~#

```

29. LSUSB

```

Terminal
root@daw-VirtualBox:~# lsusb
Bus 001 Device 002: ID 80ee:9021 VirtualBox USB Tablet
Bus 001 Device 001: ID 1d0b:0001 Linux Foundation 1.1 root hub
root@daw-VirtualBox:~#

```

30. BLKID

```

Terminal
root@daw-VirtualBox:~# blkid
/dev/sda1: UUID="c2d19a18-47ff-473b-9fbc-0bdeb7f430ec" TYPE="ext4" PARTUUID="e9144d89-01"
/dev/sda5: UUID="b8360f8c-317f-4e4f-a510-fb2b88b3c379" TYPE="swap" PARTUUID="e9144d89-05"
root@daw-VirtualBox:~#

```


31. LSHW

```

Terminal
root@daw-VirtualBox: ~
versión: 1.0
serie: c2d19a18-47ff-473b-9fbe-0bdeb7f430ec
tamaño: 77GiB
capacidad: 77GiB
capacidades: primary bootable journaled extended attributes larg
e_files huge_files dir_nlink recover extents ext4 ext2 initialized
configuración: created=2017-03-07 11:16:01 filesystem=ext4 lastm
ountpoint=/ modified=2017-03-14 13:29:01 mount.fstype=ext4 mount.options=rw,rela
tline,errors=remount-ro,data=ordered mounted=2017-03-14 13:29:05 state=mounted
*-volume:1
  descripción: Extended partition
  id físico: 2
  información del bus: scsi@2:0:0:0,2
  nombre lógico: /dev/sda2
  tamaño: 2046MiB
  capacidad: 2046MiB
  capacidades: primary extended partitioned partitioned:extended
*-logicalvolume
  descripción: Linux swap / Solaris partition
  id físico: 5
  nombre lógico: /dev/sda5
  capacidad: 2046MiB
  capacidades: nofs
root@daw-VirtualBox: ~

```

32. DF

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# df -h
S.ficheros Tamaño Usados Disp Uso% Montado en
udev          980M      0  980M   0% /dev
tmpfs         200M    3,6M   19M    2% /run
/dev/sda1      77G    4,0G    69G    6% /
tmpfs        1000M   220K  1000M    1% /dev/shm
tmpfs         5,0M    4,0K    5,0M    1% /run/lock
tmpfs        1000M      0  1000M    0% /sys/fs/cgroup
tmpfs         200M    76K   200M    1% /run/user/1000
root@daw-VirtualBox:~#

```

33. UPTIME

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# uptime
14:17:43 up 48 min, 1 user, load average: 0,02, 0,02, 0,10
root@daw-VirtualBox:~#

```

34. W

```

Terminal
root@daw-VirtualBox: ~
root@daw-VirtualBox:~# w
14:18:09 up 49 min, 1 user, load average: 0,01, 0,02, 0,09
USER@TIO TTY DE LOGING IDLE CPU WHAT
daw tty7 :0 13:29 49:02 28.29% 0.11s /sbin/upstart -
root@daw-VirtualBox:~#

```


37. DMESG

```
Terminal
root@daw-VirtualBox: ~
10.119159] audit: type=1400 audit(1489494547.712:7): apparmor="STATUS" operation="profile_load" profile="unconfined" name="/usr/lib/connman/scripts/dhclient-script" pid=532 comm="apparmor_parser"
10.164388] audit: type=1400 audit(1489494547.760:8): apparmor="STATUS" operation="profile_load" profile="unconfined" name="/usr/bin/evince" pid=533 comm="apparmor_parser"
10.164314] audit: type=1400 audit(1489494547.760:9): apparmor="STATUS" operation="profile_load" profile="unconfined" name="/usr/bin/evince/sanitized_helper" pid=533 comm="apparmor_parser"
10.164318] audit: type=1400 audit(1489494547.760:10): apparmor="STATUS" operation="profile_load" profile="unconfined" name="/usr/bin/evince-previewer" pid=533 comm="apparmor_parser"
10.164322] audit: type=1400 audit(1489494547.760:11): apparmor="STATUS" operation="profile_load" profile="unconfined" name="/usr/bin/evince-previewer/sanitized_helper" pid=533 comm="apparmor_parser"
10.164392] Adding 2095100k swap on /dev/sda5. Priority:-1 extents:1 across: 2095100k FS
11.670833] floppy0: no floppy controllers found
10.271262] IPv6: ADDRCONF(NETDEV_UP): enp0s3: link is not ready
10.272259] IPv6: ADDRCONF(NETDEV_UP): enp0s3: link is not ready
10.278785] e1000: enp0s3 NIC Link is Up 1000 Mbps Full Duplex, Flow Control: RX
10.279809] IPv6: ADDRCONF(NETDEV_CHANGE): enp0s3: link becomes ready
root@daw-VirtualBox: ~#
```

38. PS

```
Terminal
root@daw-VirtualBox: ~
1589 ? 00:00:00 evolution-calen
1603 ? 00:00:00 evolution-calen
1606 ? 00:00:00 evolution-adre
1625 ? 00:00:00 evolution-adre
1659 ? 00:00:00 zeltgeist-datah
1666 ? 00:00:00 sh
1670 ? 00:00:00 zeltgeist-daemo
1678 ? 00:00:00 zeltgeist-fts
1725 ? 00:00:00 update-notifier
1774 ? 00:00:00 deja-dup-monito
1797 ? 00:00:00 gnome-terminal-
1800 ? 00:00:00 gconfd-2
1809 pts/4 00:00:00 bash
1837 ? 00:00:00 kworker/0:0
1842 pts/4 00:00:00 sudo
1843 pts/4 00:00:00 bash
1883 ? 00:00:00 gvfsd-network
1908 ? 00:00:00 gvfsd-dnssd
1953 ? 00:00:00 kworker/0:1
2009 ? 00:00:00 kworker/u2:1
2031 ? 00:00:00 kworker/u2:0
2046 ? 00:00:00 kworker/u2:2
2071 pts/4 00:00:00 ps
root@daw-VirtualBox: ~#
```

39. TOP

```

Terminal
root@daw-VirtualBox: ~
top - 14:19:58 up 50 min, 1 user, load average: 0.02, 0.02, 0.08
Tareas: 174 total, 1 ejecutar, 173 hibernar, 0 detener, 0 zombie
Kcpu(s): 5.5 usuario, 1.0 sist, 0.2 adecuado, 83.3 inact, 9.8 en espera, 0,
KIB Mem: 2047948 total, 117232 free, 738184 used, 1192532 buff/cache
KIB Swap: 2095100 total, 2093140 free, 1960 used, 1084572 avail Mem

  PID  USUARIO  PR  NI  VIRT  RES  SHR  S  %CPU  %MEM  TIME+  ORDEN
1358  daw       20   0 1292532 230260 62984  S   13.3  11.2  2:21.60  complz
1    root     20   0 119680  5560  3712  S    0.0   0.3  0:01.00  systend
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  0:00.16  ksoftirqd/0
5    root     0 -20      0      0      0  S    0.0   0.0  0:00.00  kworker/0:0H
7    root     20   0      0      0      0  S    0.0   0.0  0:00.61  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     0 -20      0      0      0  S    0.0   0.0  0:00.00  lru-add-dra+
11   root     rt   0      0      0      0  S    0.0   0.0  0:00.00  watchdog/0
12   root     20   0      0      0      0  S    0.0   0.0  0:00.00  cpuhp/0
13   root     20   0      0      0      0  S    0.0   0.0  0:00.00  kdevtmpfs
14   root     0 -20      0      0      0  S    0.0   0.0  0:00.00  netns
15   root     20   0      0      0      0  S    0.0   0.0  0:00.00  khungtaskd
16   root     20   0      0      0      0  S    0.0   0.0  0:00.00  oom_reaper
17   root     0 -20      0      0      0  S    0.0   0.0  0:00.00  writeback
18   root     20   0      0      0      0  S    0.0   0.0  0:00.00  kcompactd0
  
```