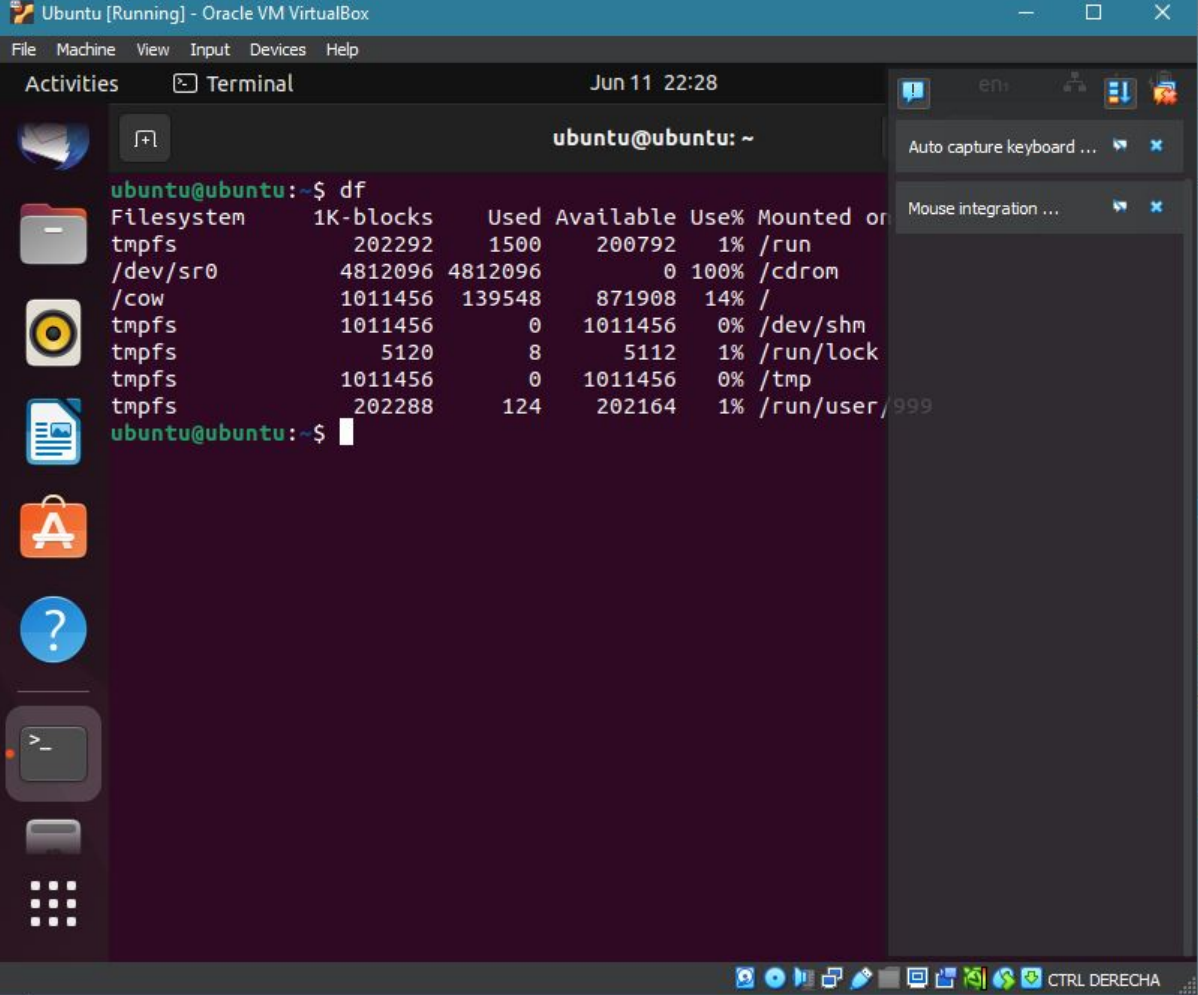


Clase 12

Maquina Virtual.

1. df (disk free): comando que lista el espacio libre en el sistema de archivos



The screenshot shows a terminal window titled "Ubuntu [Running] - Oracle VM VirtualBox". The terminal displays the output of the 'df' command, which lists disk space usage for various filesystems. The output is as follows:

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
tmpfs	202292	1500	200792	1%	/run
/dev/sr0	4812096	4812096	0	100%	/cdrom
/cow	1011456	139548	871908	14%	/
tmpfs	1011456	0	1011456	0%	/dev/shm
tmpfs	5120	8	5112	1%	/run/lock
tmpfs	1011456	0	1011456	0%	/tmp
tmpfs	202288	124	202164	1%	/run/user/999

The terminal prompt is 'ubuntu@ubuntu: ~\$'.

2. Top: lista la información actual de procesos que se están ejecutando, el estado de la CPU y la RAM

Ubuntu [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jun 11 22:35 en1

ubuntu@ubuntu: ~

ubuntu@ubuntu:~\$ top

top - 22:35:09 up 17 min, 1 user, load average: 6.08, 4.35, 2.77
Tasks: 181 total, 3 running, 178 sleeping, 0 stopped, 0 zombie
%Cpu(s): 7.8 us, 88.2 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 3.9 si, 0.0 st
MiB Mem : 1975.5 total, 78.9 free, 694.6 used, 1202.0 buff/cache
MiB Swap: 0.0 total, 0.0 free, 0.0 used, 982.7 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
5963	ubuntu	20	0	470572	33452	25284	R	94.8	1.7	0:09.84	nautil+
41	root	20	0	0	0	0	S	2.3	0.0	0:28.37	kswapd0
5006	root	20	0	317984	38336	11072	S	1.0	1.9	0:26.84	Xorg
5355	ubuntu	20	0	3706256	264892	79960	S	1.0	13.1	1:48.07	gnome-+
5813	ubuntu	20	0	758460	30272	17920	S	0.3	1.5	0:08.09	gnome-+
1	root	20	0	167920	9956	4928	S	0.0	0.5	0:11.25	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthrea+
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_pa+
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	slub_f+
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
7	root	20	0	0	0	0	I	0.0	0.0	0:06.61	kworke+
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworke+
10	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_per+
11	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_ta+
12	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_ta+
13	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_ta+
14	root	20	0	0	0	0	S	0.0	0.0	0:02.34	ksofti+
15	root	20	0	0	0	0	R	0.0	0.0	0:00.65	rcu_pr+

3. Cowsay "Hola Mundo". Cowasy es una libreria que imprime en la terminal una vaca con una viñeta con "Hola Mundo"

```
Ubuntu-CLI-intro [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  cowsay-off
Suggested packages:
  filters
The following NEW packages will be installed:
  cowsay cowsay-off
0 upgraded, 2 newly installed, 0 to remove and 149 not upgraded.
Need to get 21.7 kB of archives.
After this operation, 112 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://co.archive.ubuntu.com/ubuntu xenial/universe i386 cowsay all 3
Get:2 http://co.archive.ubuntu.com/ubuntu xenial/universe i386 cowsay-off a
]
Fetched 21.7 kB in 1s (11.1 kB/s)
Selecting previously unselected package cowsay.
(Reading database ... 58642 files and directories currently installed.)
Preparing to unpack .../cowsay_3.03+dfsg1-15_all.deb ...
Unpacking cowsay (3.03+dfsg1-15) ...
Selecting previously unselected package cowsay-off.
Preparing to unpack .../cowsay-off_3.03+dfsg1-15_all.deb ...
Unpacking cowsay-off (3.03+dfsg1-15) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up cowsay (3.03+dfsg1-15) ...
Setting up cowsay-off (3.03+dfsg1-15) ...
root@Ubuntu-CLI-intro:/home/vboxuser# cowsay "Hola Cow"

< Hola Cow >
-----
      ^__^
      (oo)\_______
      (__)\       )\/\
          ||----w |
          ||     ||

root@Ubuntu-CLI-intro:/home/vboxuser# _
```