

UNIVERSIDAD POLITECNICO GRANCOLOMBIANO

Asignatura:

Sistemas operacionales

Nombre del tema:

Entrega Semana 5

Presentado por:

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Profesor:

Olarte John

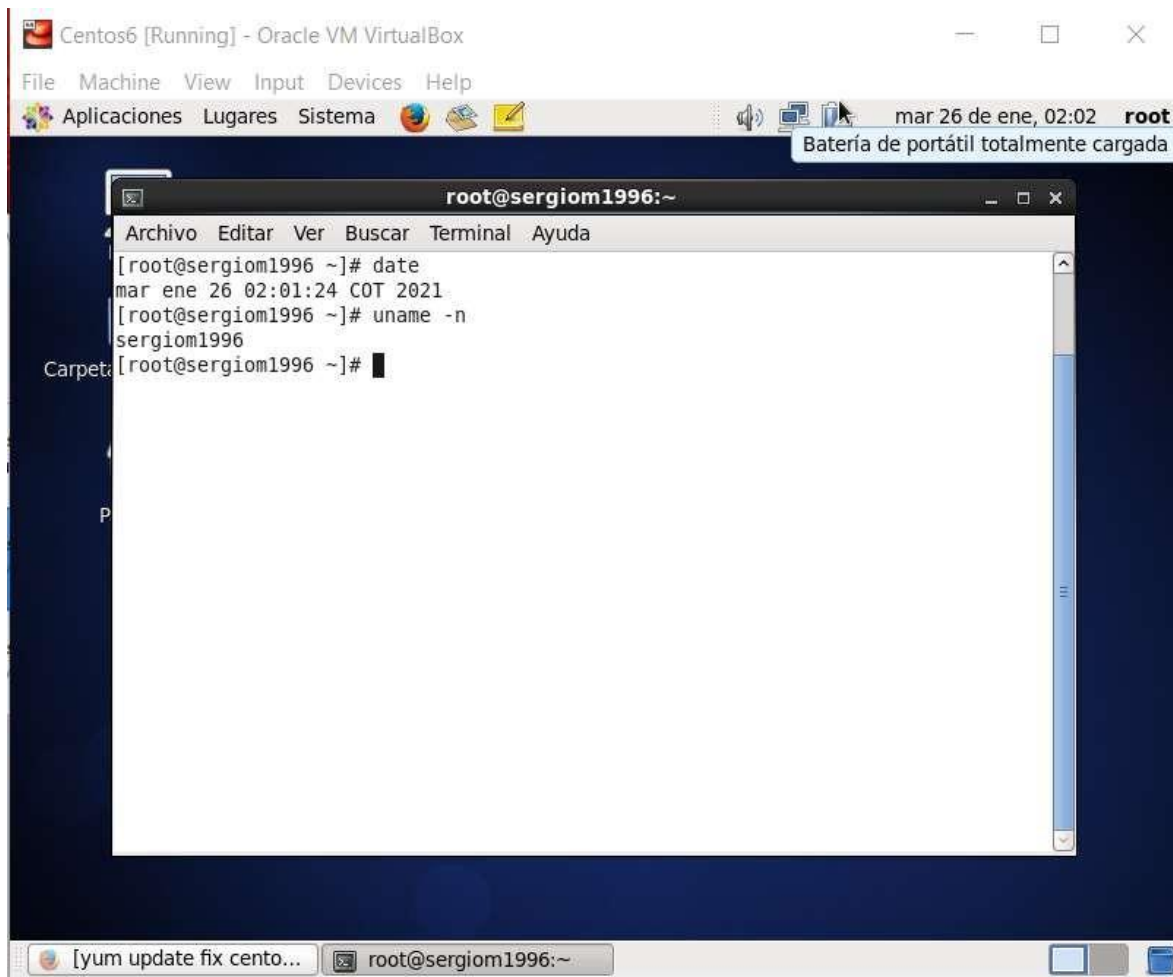
Objetivos

A. Desarrolle en la MV Server, el proceso de comandos básicos, comandos medios y comandos avanzados.

Desarrollo

Date: Ver la fecha y hora

Uname – n : Ver el nombre del equipo



ls --help

Centos6 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

You have the Auto capture keyboard option turned on. This will cause the Virtual Machine to automatically capture the keyboard.

sergio1996@sergiom1996:~\$ ls --help

Archivo Editar Ver Buscar Terminal Ayuda

[sergio1996@sergiom1996 ~]\$ --help

bash: --: no se encontró la orden

[sergio1996@sergiom1996 ~]\$ ls --help

Modo de empleo: ls [OPCIÓN]... [FICHERO]...

List information about the FILES (the current directory by default).

Sort entries alphabetically if none of -ctuvSUX nor --sort.

Los argumentos obligatorios para las opciones largas son también obligatorios para las opciones cortas.

-a, --all do not ignore entries starting with .

-A, --almost-all do not list implied . and ..

--author with -l, print the author of each file

-b, --escape print octal escapes for nongraphic characters

--block-size=SIZE use SIZE-byte blocks. See SIZE format below

-B, --ignore-backups do not list implied entries ending with ~

-c with -lt: sort by, and show, ctime (time of last modification of file status information)

with -l: show ctime and sort by name

otherwise: sort by ctime

-C list entries by columns

--color[=WHEN] colorize the output. WHEN defaults to 'always' or can be 'never' or 'auto'. More info below

-d, --directory list directory entries instead of contents,

env

Centos6 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

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sergio1996@sergiom1996:~\$ env

Archivo Editar Ver Buscar Terminal Ayuda

[sergio1996@sergiom1996 ~]\$ env

ORBIT_SOCKETDIR=/tmp/orbit-sergio1996

HOSTNAME=sergiom1996

GID LAUNCHED DESKTOP FILE PID=2556

IMSETTINGS_INTEGRATE_DESKTOP=yes

TERM=xterm

SHELL=/bin/bash

HISTSIZE=1000

XDG_SESSION_COOKIE=34b1880a346efbfc509acd0c000001a-1611696631.99213-503048522

GTK_RC_FILES=/etc/gtk/gtkrc:/home/sergio1996/.gtkrc-1.2-gnome2

WINDOWID=48234499

QTDIR=/usr/lib64/qt-3.3

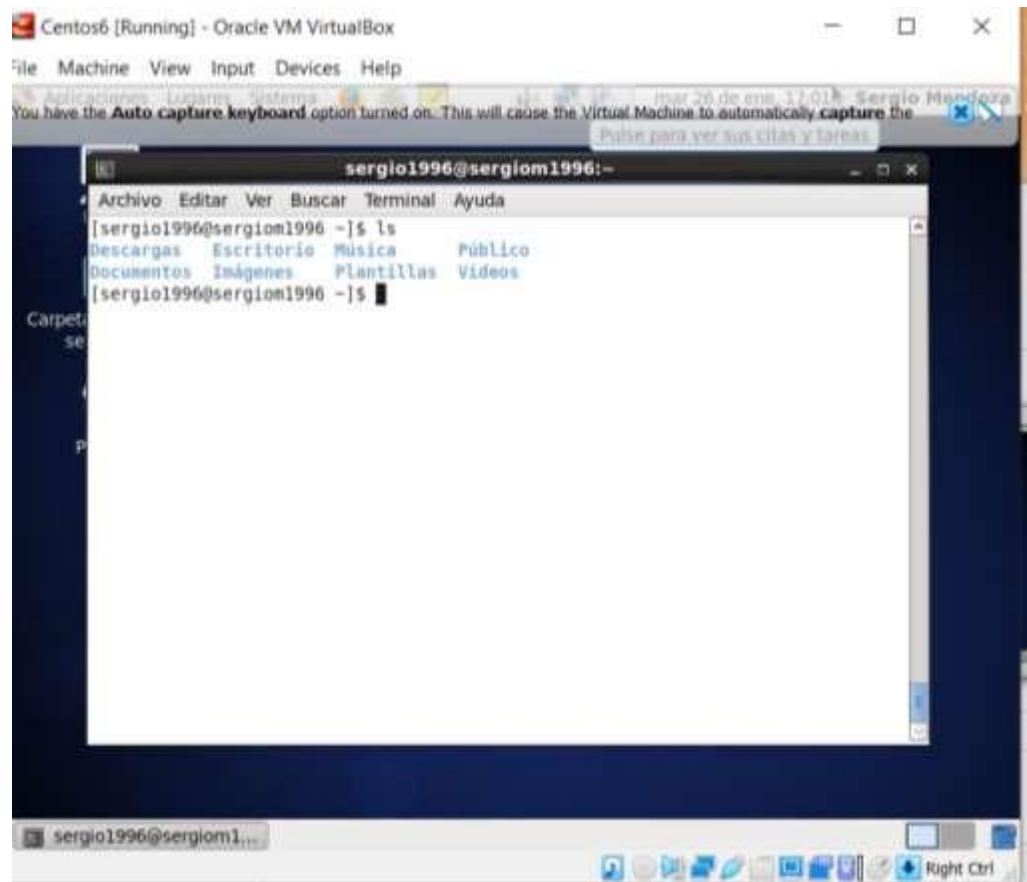
QTINC=/usr/lib64/qt-3.3/include

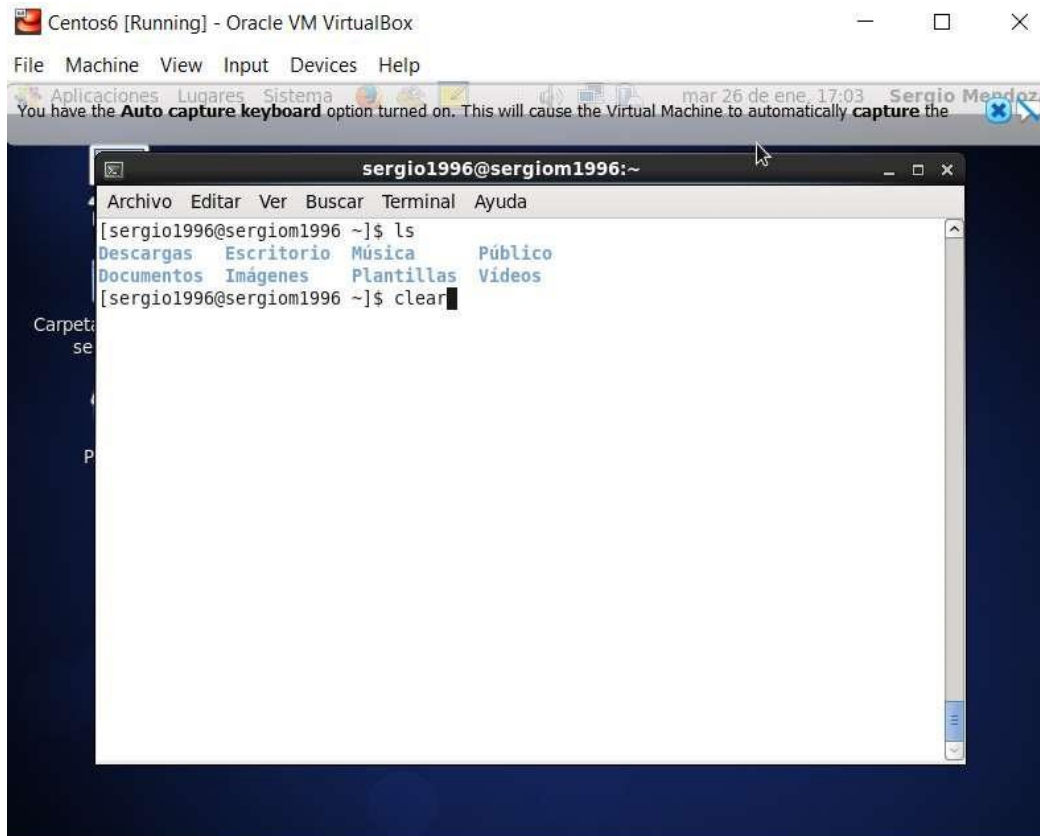
IMSETTINGS_MODULE=none

USER=sergio1996

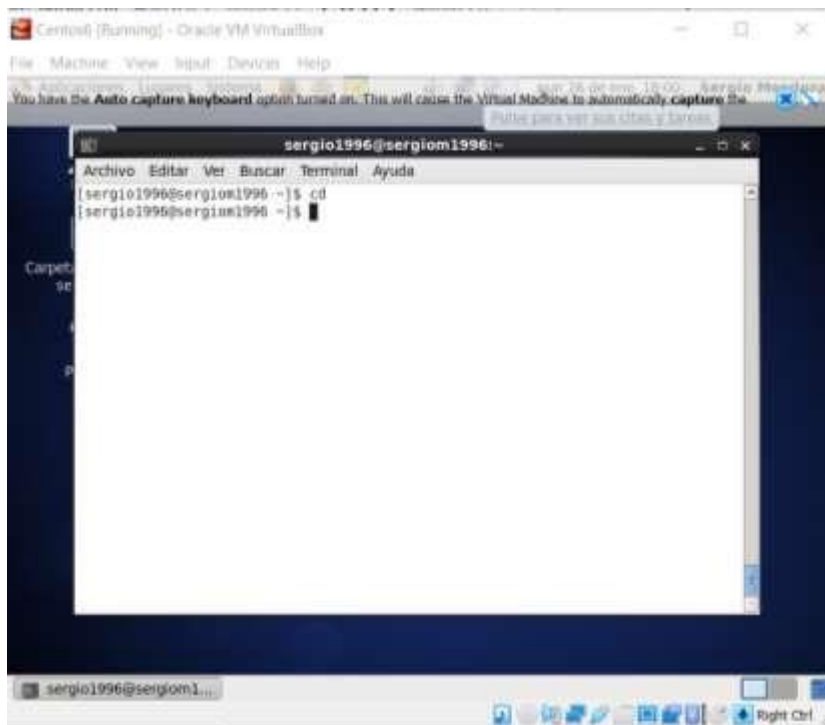
LS_COLORS=rs=0:di=01:34:ln=01:36:mh=00:pi=40:33:so=01:35:do=01:35:bd=40:33:01:cd=40:33:01:or=40:31:01:ni=01:05:37:41:su=37:41:sg=30:43:ca=30:41:tw=30:42:ow=34:42:st=37:44:ex=01:32:*.tar=01:31:*.tgz=01:31:*.arj=01:31:*.taz=01:31:*.lzh=01:31:*.lma=01:31:*.tlz=01:31:*.txz=01:31:*.zip=01:31:*.z=01:31:*.Z=01:31:*.dz=01:31:*.gz=01:31:*.lz=01:31:*.sz=01:31:*.bzip2=01:31:*.tbz=01:31:*.tbz2=01:31:*.br=01:31:*.t2=01:31:*.deb=01:31:*.rpm=01:31:*.jar=01:31:*.rar=01:31:*.ace=01:31:*.zoo=01:31:*.cpio=01:31:*.7z=01:31:*.rz=01:31:*.jpg=01:35:*.jpeg=01:35:*.gif=01:35:*.bmp=01:35:*.pbm=01:35:*.pgm=01:35:*.ppm=01:35:*.tga=01:35:*.xbm=01:35:*.xpm=01:35:*.tif=01:35:*.tiff=01:35:*.png=01:35:*.svg=01:35:*.svgz=01:35:*.mng=01:35:*.pck=

Ls lista archivos y carpetas de un directorio

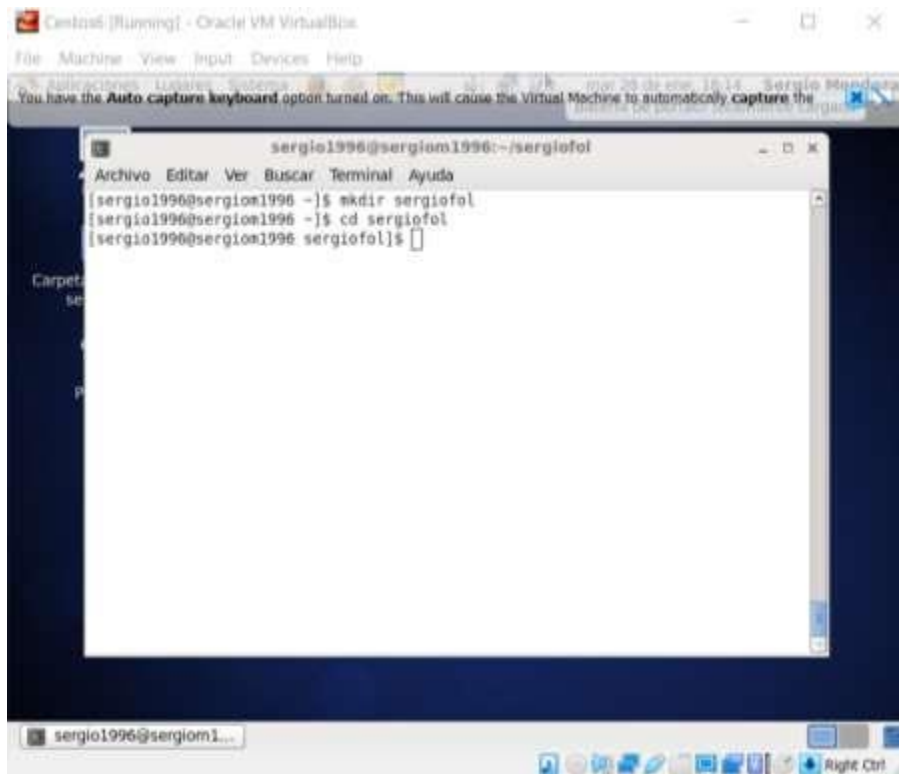




Cd Cambia de directorio

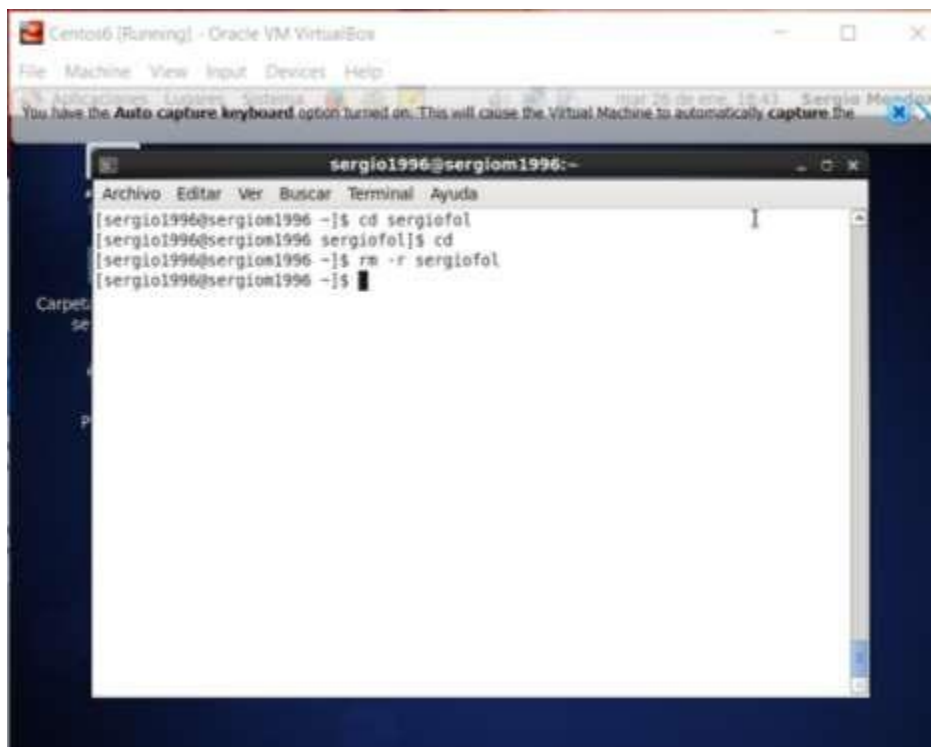


Mkdir crea un directorio



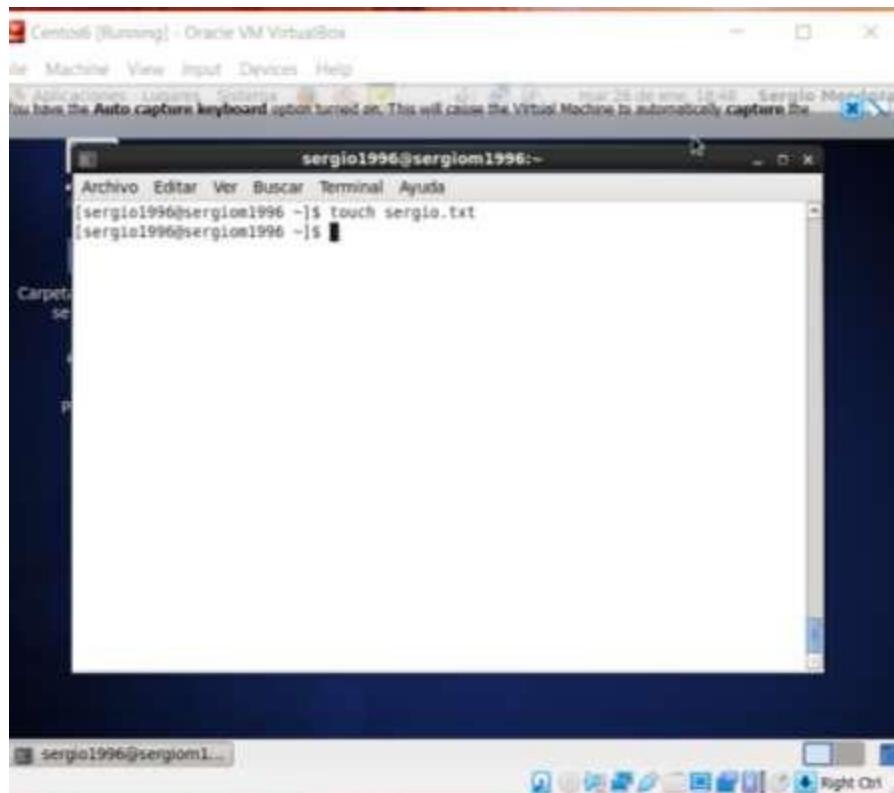
```
sergio1996@sergiom1996:~/sergiofol
[sergio1996@sergiom1996 ~]$ mkdir sergiofol
[sergio1996@sergiom1996 ~]$ cd sergiofol
[sergio1996@sergiom1996 sergiofol]$
```

Rm -r borra el directorio creado

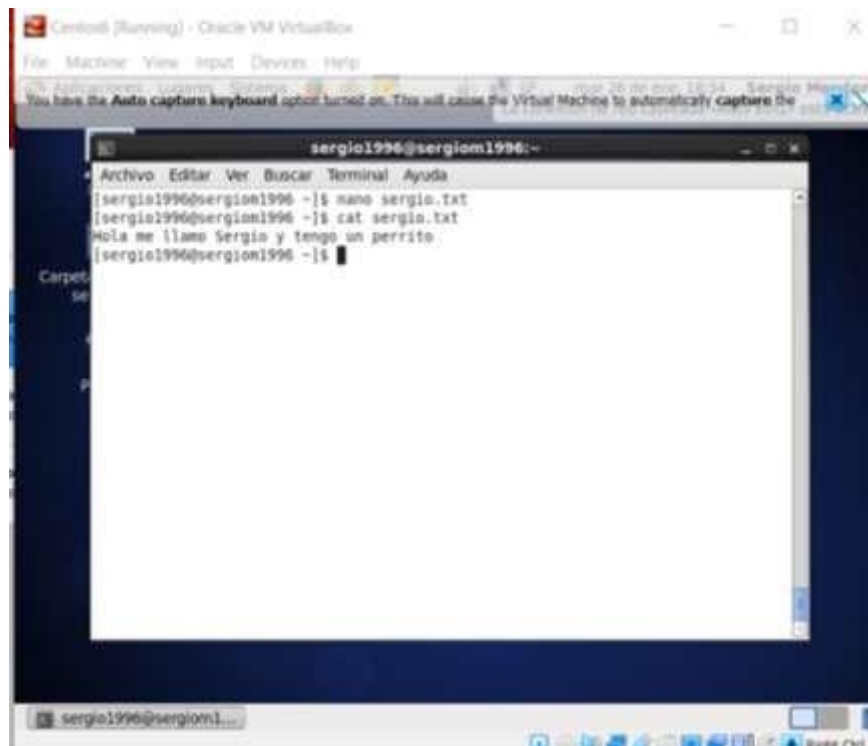


```
sergio1996@sergiom1996:~
[sergio1996@sergiom1996 ~]$ cd sergiofol
[sergio1996@sergiom1996 sergiofol]$ cd
[sergio1996@sergiom1996 ~]$ rm -r sergiofol
[sergio1996@sergiom1996 ~]$
```

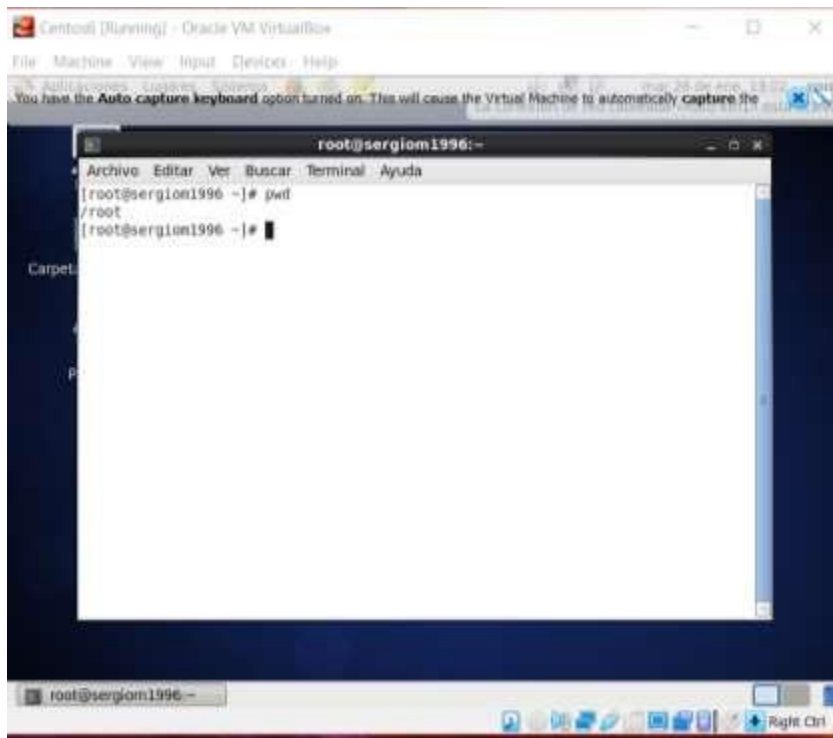
Touch crea un archivo txt



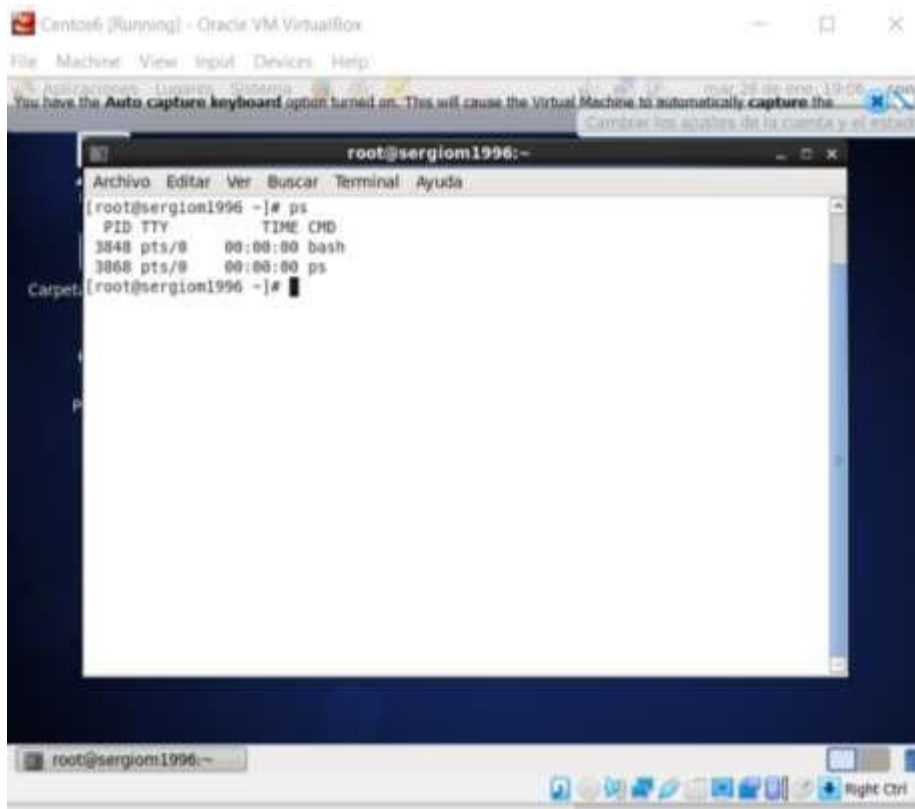
Cat muestra el contenido de un archivo



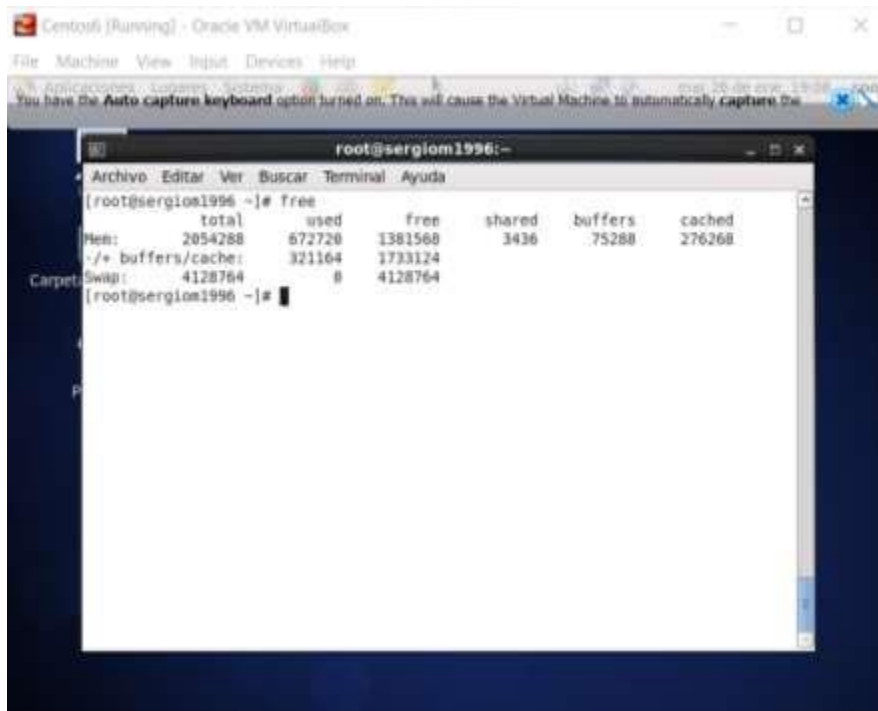
Pwd ayuda para saber en qué directorio me encuentro



Ps muestra un listado de procesos que se están ejecutando



Free muestra cuanta memoria se está consumiendo

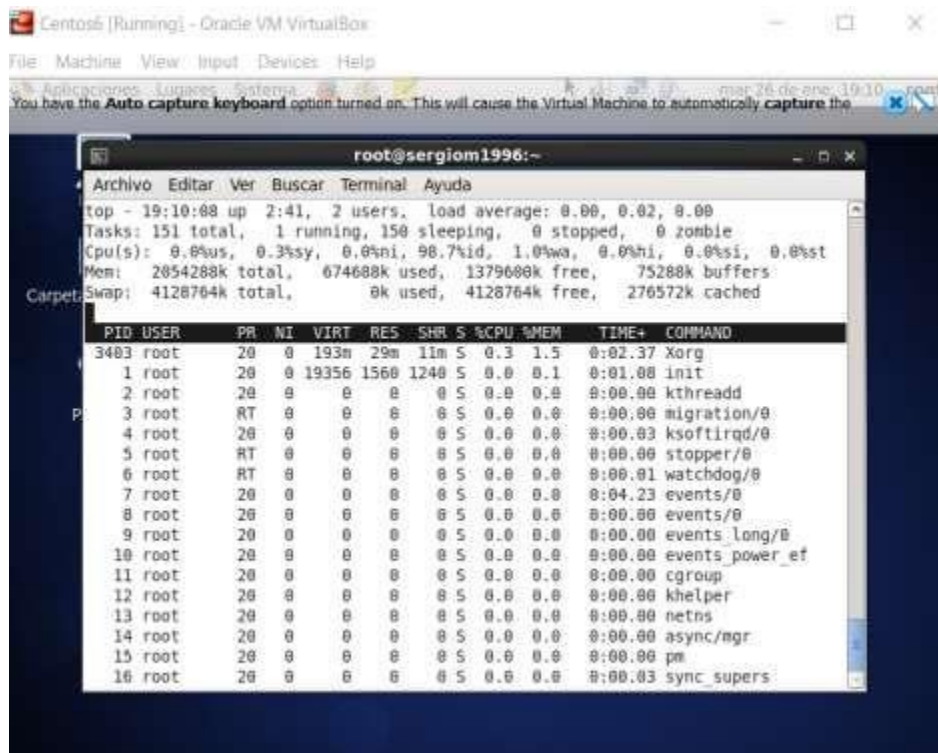


The screenshot shows a terminal window titled 'root@sergiom1996:~' within a 'Centos6 [Running] - Oracle VM VirtualBox' environment. The terminal displays the output of the 'free' command, which shows memory usage statistics. The output is as follows:

	total	used	free	shared	buffers	cached
Mem:	2054288	672720	1381568	3436	75288	276268
+/+ buffers/cache:	321164	1733124				
Swap:	4128764	0	4128764			

The prompt '[root@sergiom1996 ~]#' is visible at the bottom of the terminal window.

Comando top sirve para monitorear la memoria y los procesos



Centos6 [Running] - Oracle VM VirtualBox

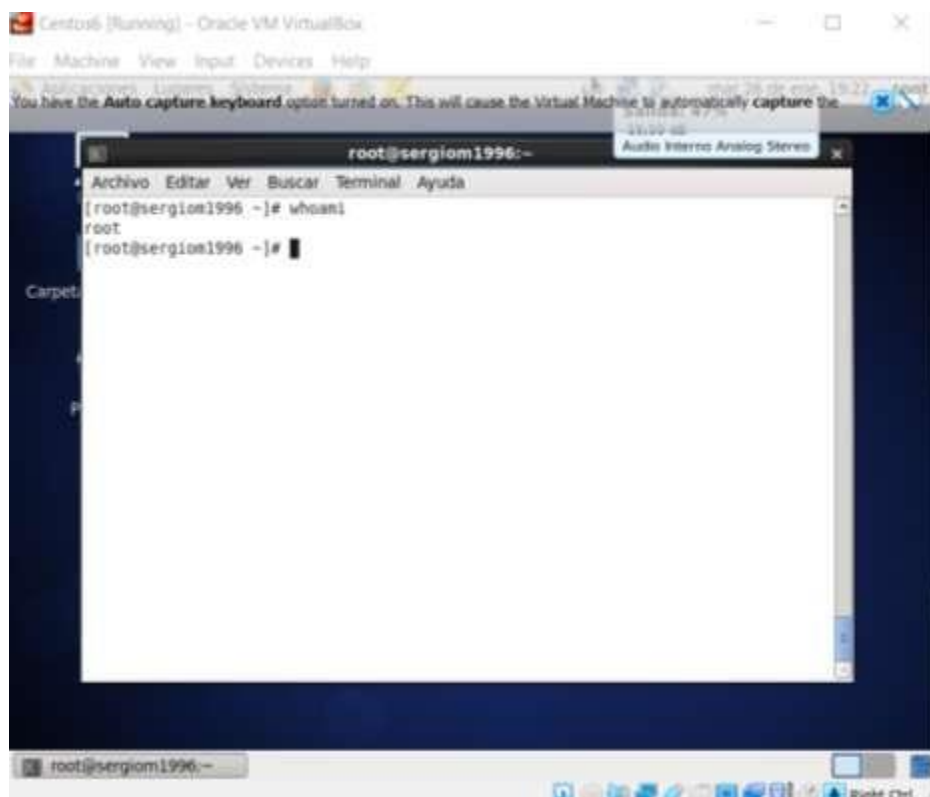
File Machine View Input Devices Help

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```
root@sergiom1996:~# top
top - 19:10:08 up 2:41, 2 users, load average: 0.00, 0.02, 0.00
Tasks: 151 total, 1 running, 150 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.0%us, 0.3%sy, 0.0%ni, 98.7%id, 1.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 2054288k total, 674688k used, 1379600k free, 75288k buffers
Swap: 4128764k total, 0k used, 4128764k free, 276572k cached

  PID USER      PR  NI  VIRT  RES  SHR  S %CPU  %MEM    TIME+  COMMAND
 3403 root        20   0 193m 29m 11m  S  0.3   1.5   0:02.37 Xorg
   1 root        20   0 19356 1560 1240  S  0.0   0.1   0:01.00 init
   2 root        20   0   0     0     0  S  0.0   0.0   0:00.00 kthreadd
   3 root        RT   0   0     0     0  S  0.0   0.0   0:00.00 migration/0
   4 root        20   0   0     0     0  S  0.0   0.0   0:00.03 ksoftirqd/0
   5 root        RT   0   0     0     0  S  0.0   0.0   0:00.00 stopper/0
   6 root        RT   0   0     0     0  S  0.0   0.0   0:00.01 watchdog/0
   7 root        20   0   0     0     0  S  0.0   0.0   0:04.23 events/0
   8 root        20   0   0     0     0  S  0.0   0.0   0:00.00 events/0
   9 root        20   0   0     0     0  S  0.0   0.0   0:00.00 events_long/0
  10 root        20   0   0     0     0  S  0.0   0.0   0:00.00 events_power_of
  11 root        20   0   0     0     0  S  0.0   0.0   0:00.00 cgroup
  12 root        20   0   0     0     0  S  0.0   0.0   0:00.00 khelper
  13 root        20   0   0     0     0  S  0.0   0.0   0:00.00 netns
  14 root        20   0   0     0     0  S  0.0   0.0   0:00.00 async/mgr
  15 root        20   0   0     0     0  S  0.0   0.0   0:00.00 pm
  16 root        20   0   0     0     0  S  0.0   0.0   0:00.03 sync_supers
```

Whoami sirve para saber que usuario se encuentra logueado



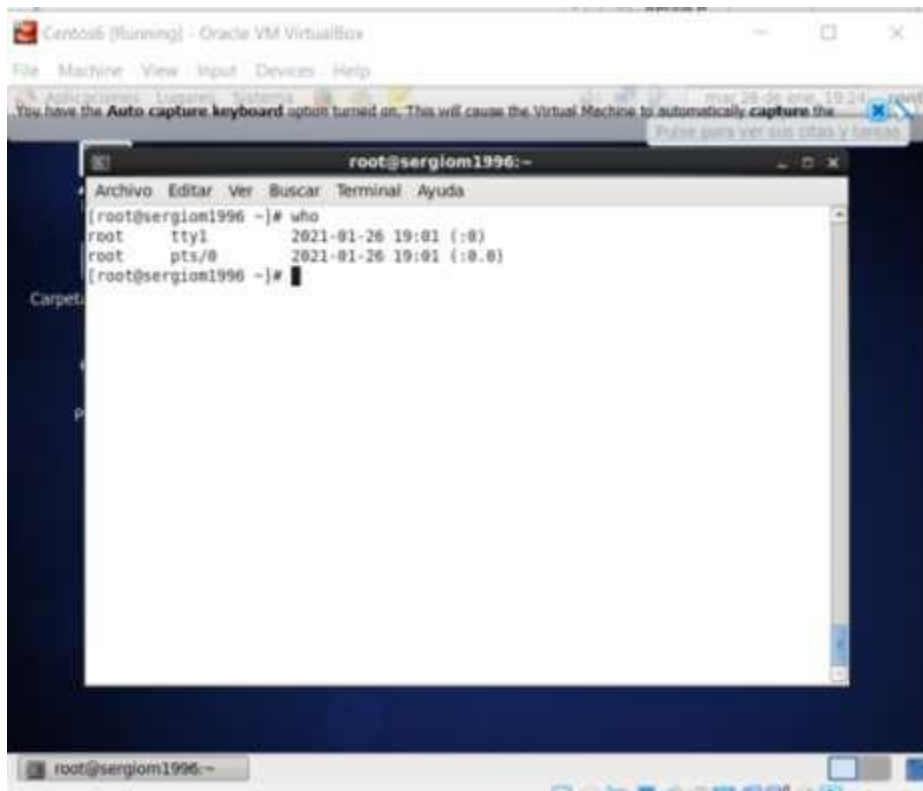
Centos6 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

You have the **Auto capture keyboard** option turned on. This will cause the Virtual Machine to automatically capture the

```
root@sergiom1996:~# whoami
root
root@sergiom1996:~#
```

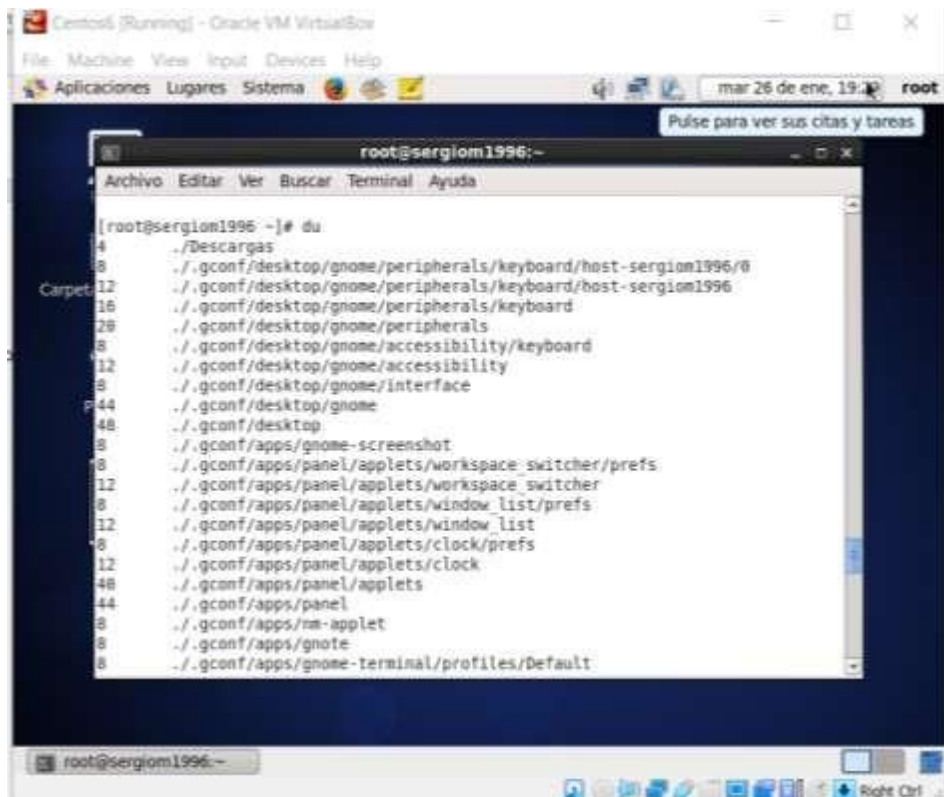
who: Muestra los usuarios que están conectados al equipo



The image shows a screenshot of a CentOS 6 virtual machine running in Oracle VM VirtualBox. The terminal window is titled 'root@sergiom1996:~' and displays the output of the 'who' command. The output shows two users logged in: 'root' on 'tty1' and 'root' on 'pts/0', both at the time '2021-01-26 19:01' from IP '10.0.0.1'. The terminal window has a menu bar with 'Archivo', 'Editar', 'Ver', 'Buscar', 'Terminal', and 'Ayuda'. The background of the VM is dark blue with some text on the left side.

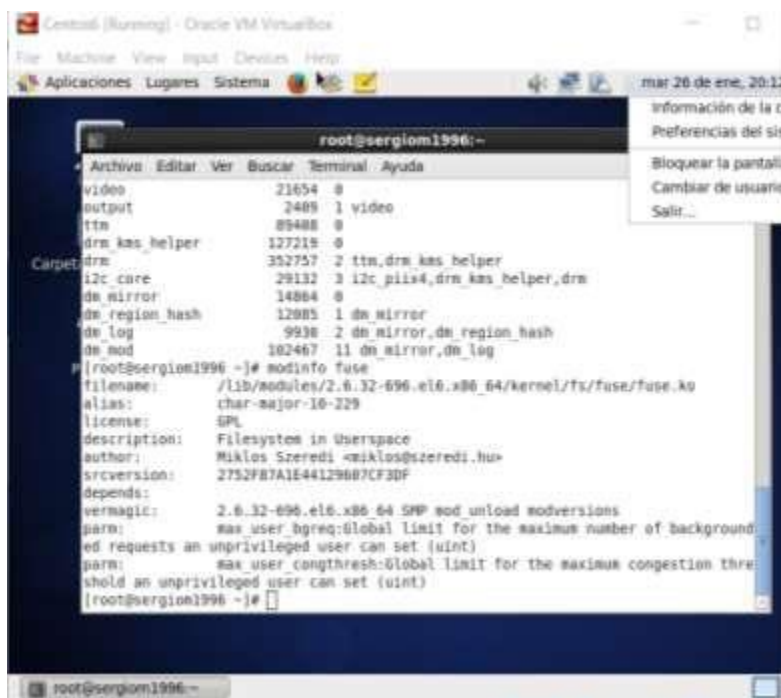
```
root@sergiom1996:~  
Archivo Editar Ver Buscar Terminal Ayuda  
(root@sergiom1996 ~)# who  
root    tty1          2021-01-26 19:01 (:0)  
root    pts/0        2021-01-26 19:01 (:0.0)  
(root@sergiom1996 ~)#
```

Comando du muestra la cantidad de disco que se ha utilizado



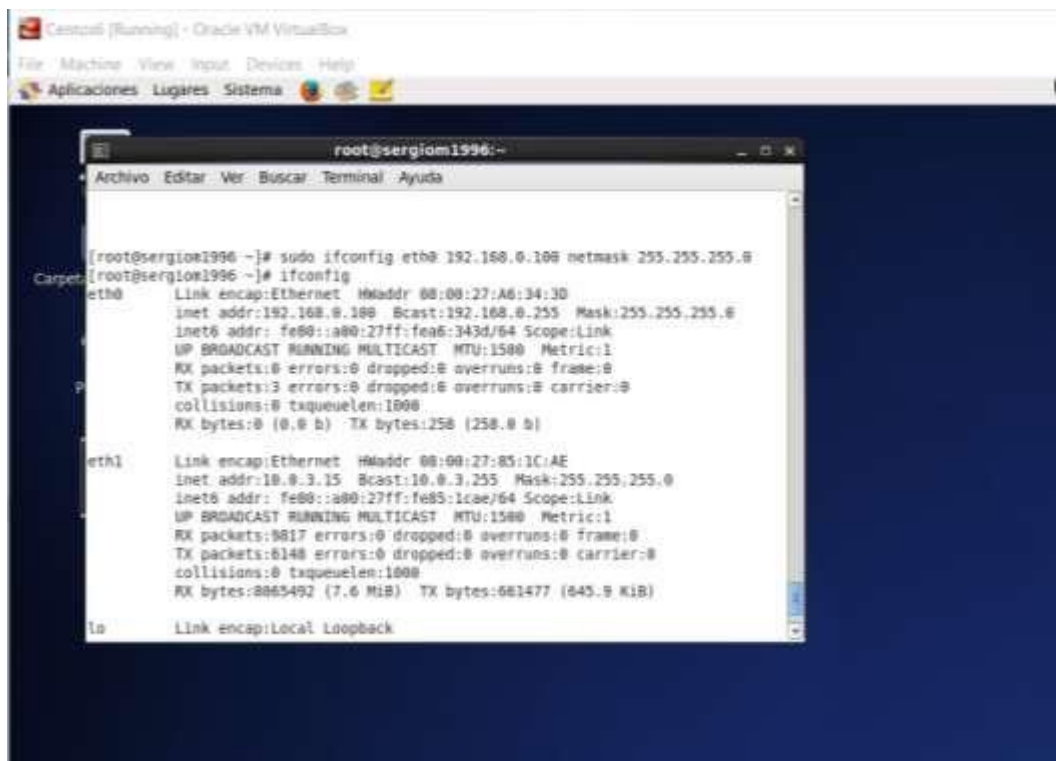
```
root@sergiom1996:~# du
4      ./Descargas
12     ./gconf/desktop/gnome/peripherals/keyboard/host-sergiom1996/0
16     ./gconf/desktop/gnome/peripherals/keyboard
28     ./gconf/desktop/gnome/peripherals
8      ./gconf/desktop/gnome/accessibility/keyboard
12     ./gconf/desktop/gnome/accessibility
8      ./gconf/desktop/gnome/interface
44     ./gconf/desktop/gnome
48     ./gconf/desktop
8      ./gconf/apps/gnome-screenshot
0      ./gconf/apps/panel/applets/workspace-switcher/prefs
12     ./gconf/apps/panel/applets/workspace-switcher
0      ./gconf/apps/panel/applets/window-list/prefs
12     ./gconf/apps/panel/applets/window-list
0      ./gconf/apps/panel/applets/clock/prefs
12     ./gconf/apps/panel/applets/clock
48     ./gconf/apps/panel/applets
44     ./gconf/apps/panel
8      ./gconf/apps/rm-applet
8      ./gconf/apps/gnote
8      ./gconf/apps/gnome-terminal/profiles/Default
```

Modinfo sirve para obtener información de un modulo

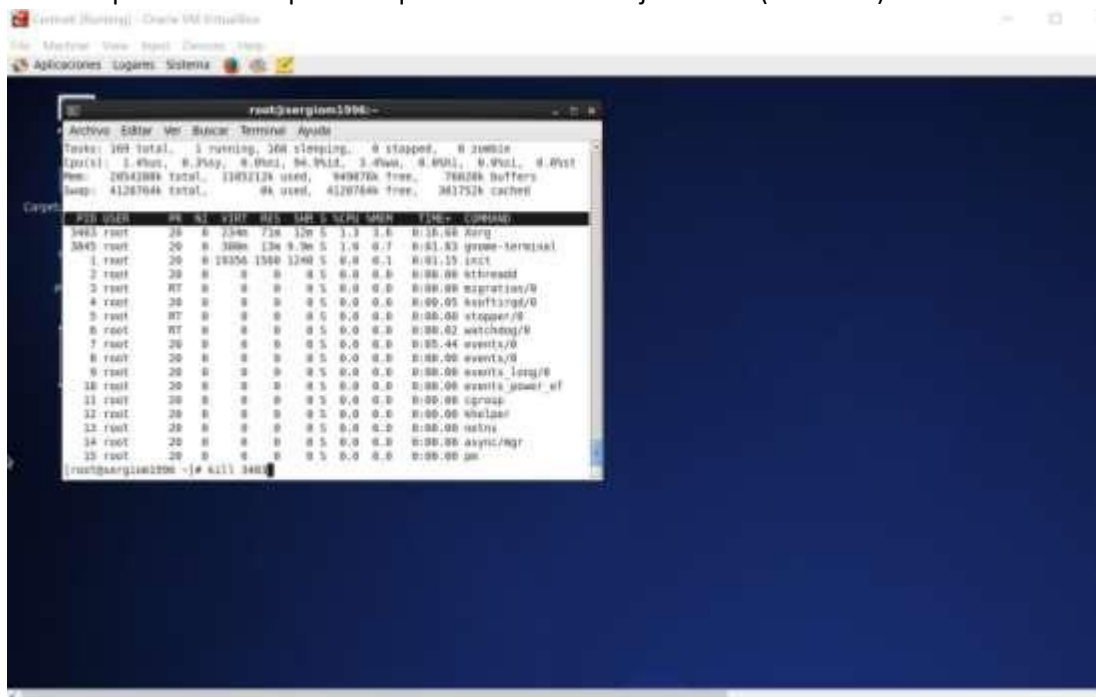


```
root@sergiom1996:~# modinfo fuse
filename:       /lib/modules/2.6.32-696.el6.x86_64/kernel/fs/fuse/fuse.ko
alias:          char-major-10-229
license:        GPL
description:     Filesystem in Userspace
author:         Miklos Szeredi <miklos@szeredi.hu>
srcversion:     2752F87A1E441296B7CF3DF
depends:
vermagic:       2.6.32-696.el6.x86_64 SMP mod_unload modversions
parm:            max_user_bgrq:Global limit for the maximum number of background
requests an unprivileged user can set (uint)
parm:            max_user_congthresh:Global limit for the maximum congestion threshold
an unprivileged user can set (uint)
```

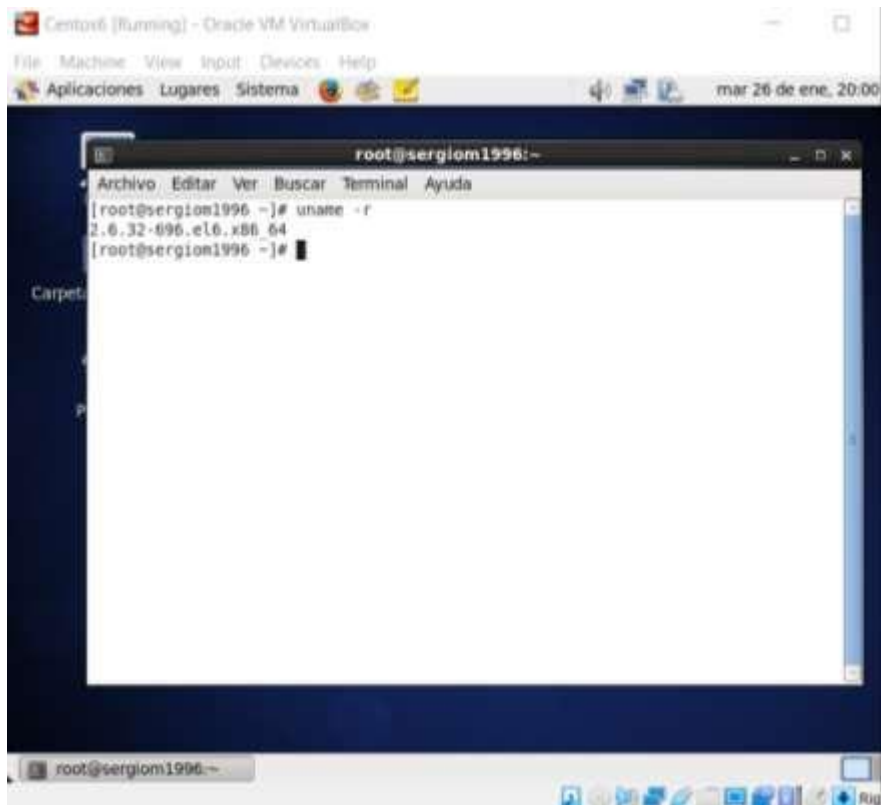
Comando ifconfig para configurar y asignar ip



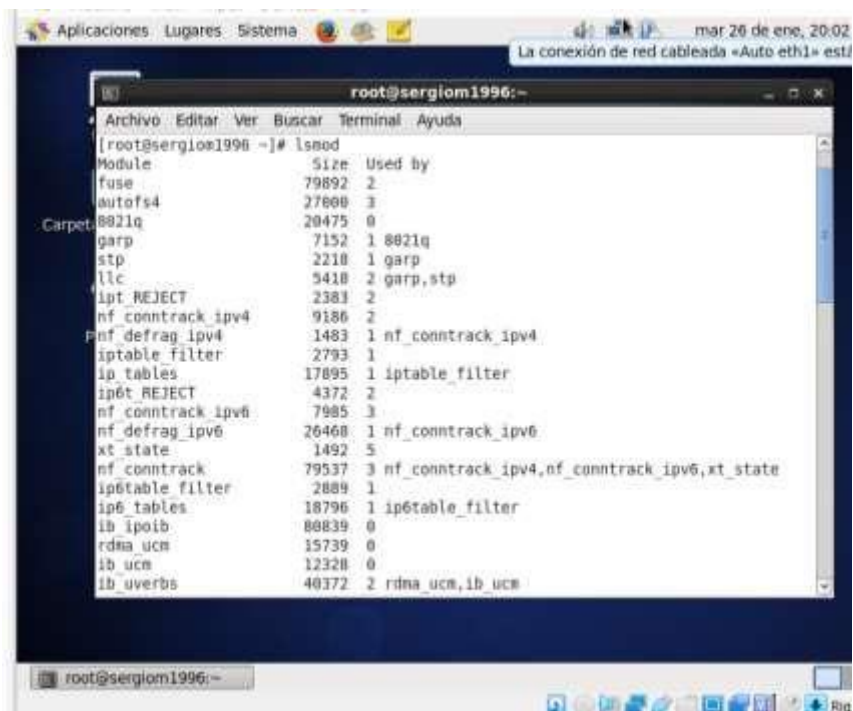
Kill sirve para matar un proceso que el sistema este ejecutando(kill + PID)



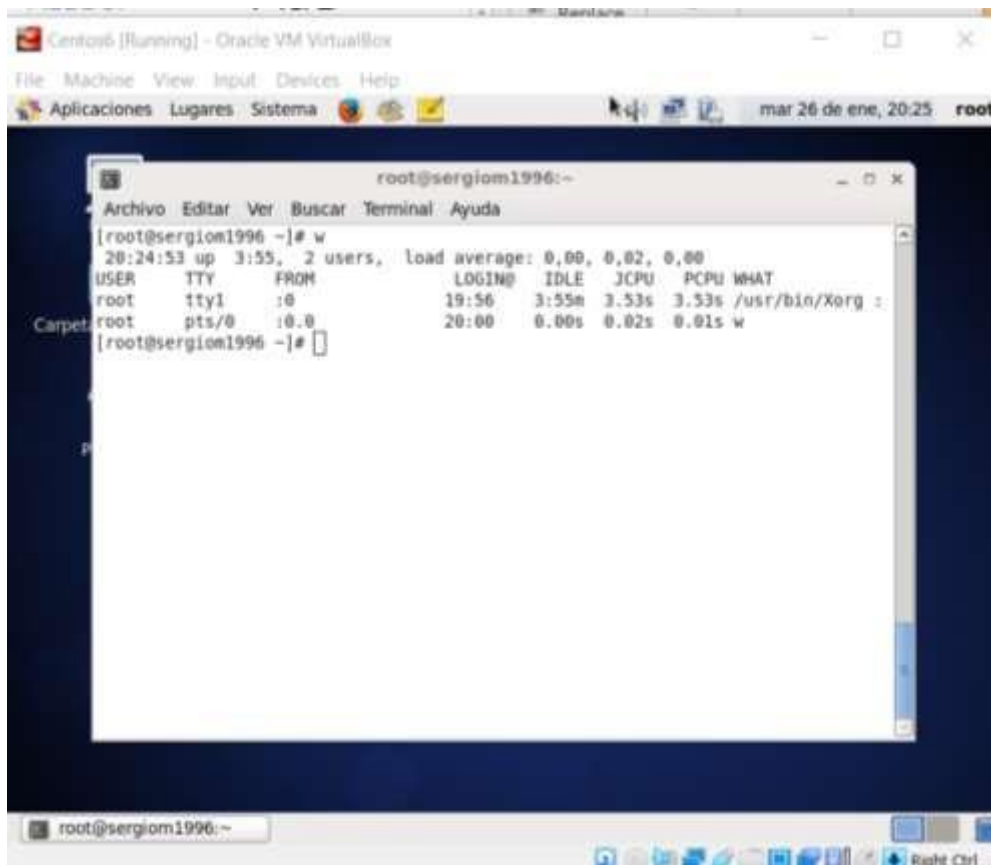
Comando uname -r : para saber que versión de kernel tengo



Lsmod sirve para visualizar los módulos cargados



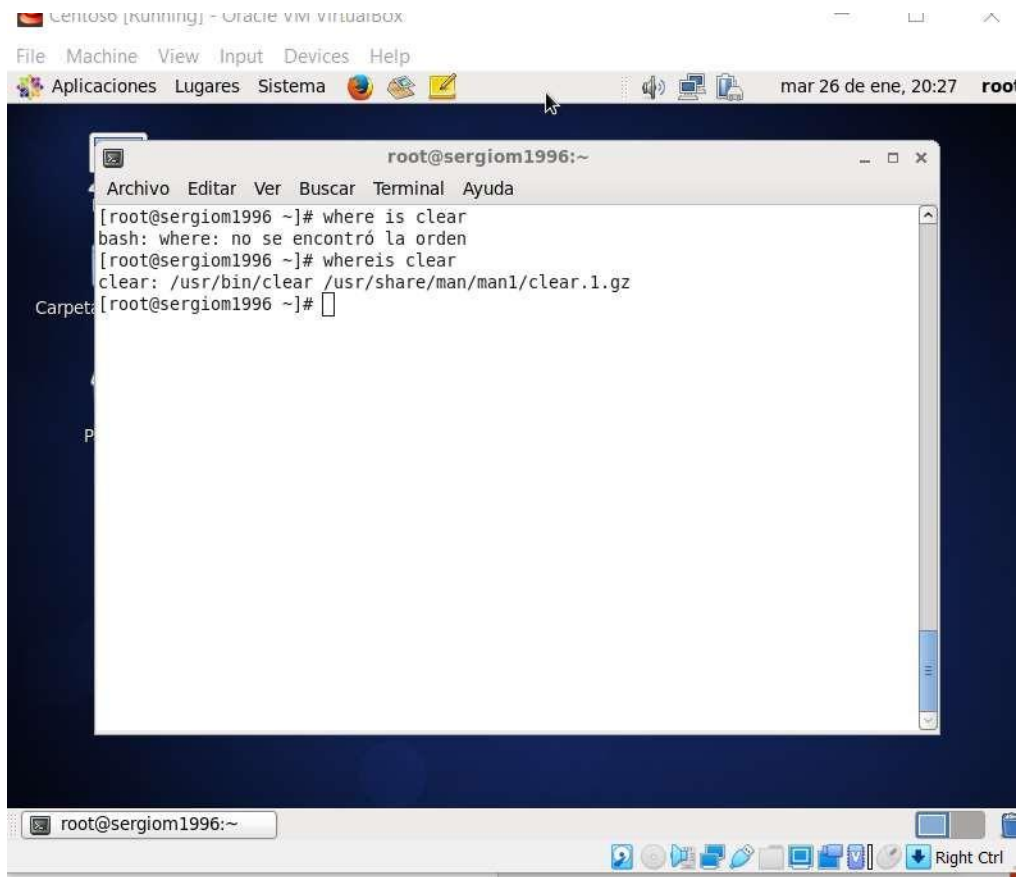
Comando w: para ver lo que los usuarios están conectados a la red

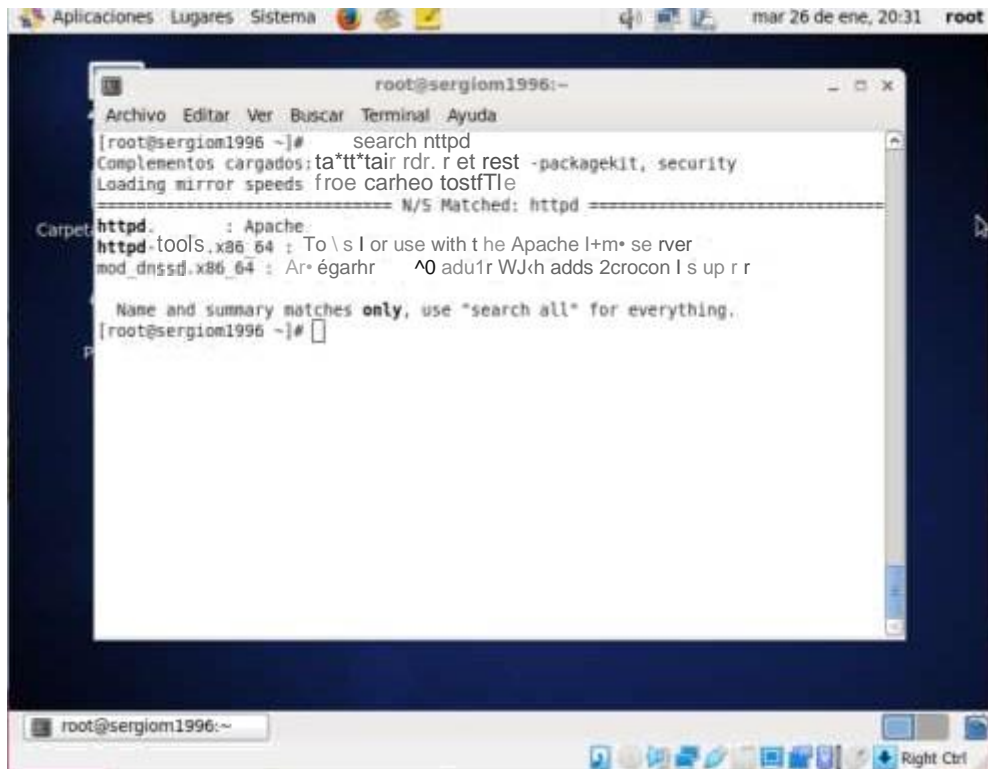


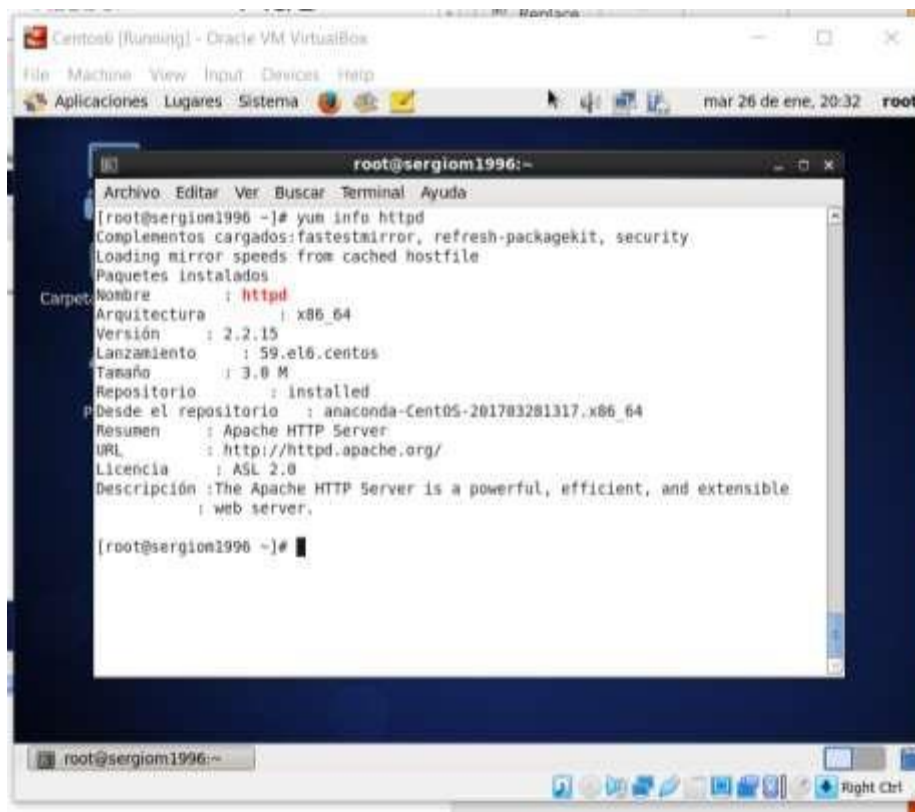
The screenshot shows a terminal window titled 'root@sergiom1996:~' within an Oracle VM VirtualBox environment. The terminal displays the output of the 'w' command, which provides system status and active user sessions.

```
root@sergiom1996:~  
[root@sergiom1996 ~]# w  
20:24:53 up 3:55, 2 users, load average: 0.00, 0.02, 0.00  
USER      TTY      FROM          LOGIN@  IDLE   JCPU   PCPU WHAT  
root      tty1     :0            19:56   3:55m  3.53s  3.53s /usr/bin/Xorg :  
root      pts/0    :0.0          20:00   0.00s  0.02s  0.01s w  
[root@sergiom1996 ~]#
```

Comando Whereis : para buscar la ubicación de un comando determinado







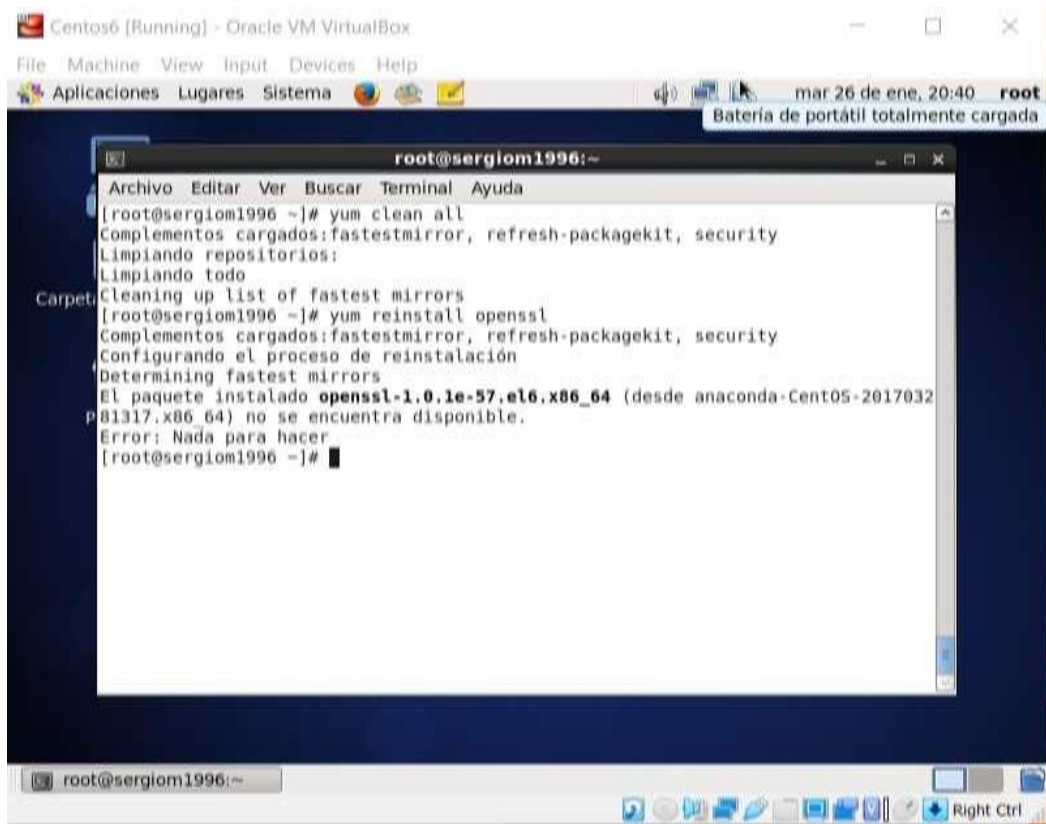
The screenshot shows a CentOS 6 terminal window running inside an Oracle VM VirtualBox. The terminal displays the output of the command `yum info httpd`. The output lists various details about the installed `httpd` package, including its architecture, version, release, size, repository, and description. The terminal window has a menu bar with options like 'Archivo', 'Editar', 'Ver', 'Buscar', 'Terminal', and 'Ayuda'. The status bar at the bottom shows the user is root and the date is March 26, 2012.

```
CentOS6 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Aplicaciones Lugares Sistema mar 26 de ene, 20:32 root

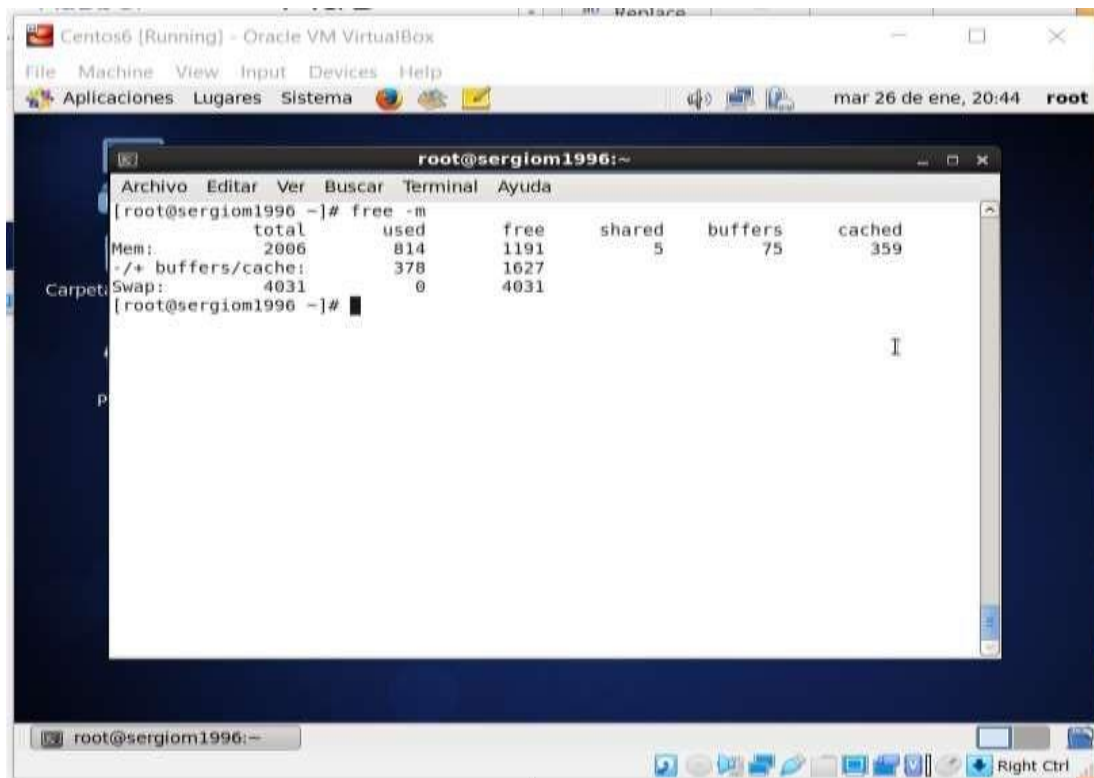
root@sergiom1996:~
Archivo Editar Ver Buscar Terminal Ayuda
[root@sergiom1996 ~]# yum info httpd
Complementos cargados: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
Paquetes instalados
Nombre           : httpd
Arquitectura      : x86_64
Versión          : 2.2.15
Lanzamiento      : 59.el6.centos
Tamaño           : 3.0 M
Repositorio      : installed
Desde el repositorio : anaconda-CentOS-201783281317.x86_64
Resumen          : Apache HTTP Server
URL              : http://httpd.apache.org/
Licencia         : ASL 2.0
Descripción      : The Apache HTTP Server is a powerful, efficient, and extensible
                  : web server.

[root@sergiom1996 ~]#
```

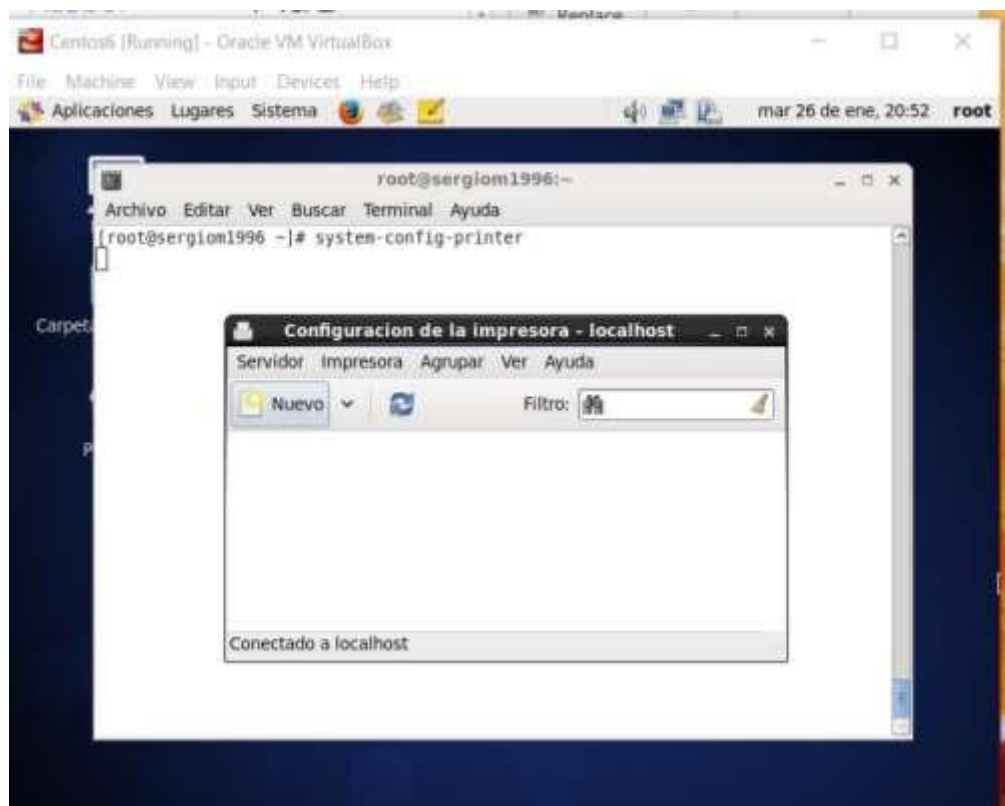
Yum clean all sirve para liberar de cache al sistema



Ver los núcleos de un servidor: free -m



system-config-printer & comando para la configuración de la impresora



system-config-firewall & Comando para la configuración del firewall de Linux