

```
stwebs@stwebs-VirtualBox:~$ # asumir el prompt de superusuario
stwebs@stwebs-VirtualBox:~$ sudo su
[sudo] contraseña para stwebs:
root@stwebs-VirtualBox:/home/stwebs#
```

```
root@stwebs-VirtualBox:/home/stwebs# #cambiar la contraseña del super usuario
root@stwebs-VirtualBox:/home/stwebs# passwd
Nueva contraseña:
Vuelva a escribir la nueva contraseña:
passwd: contraseña actualizada correctamente
root@stwebs-VirtualBox:/home/stwebs#
```

```
root@stwebs-VirtualBox:/home/stwebs# #lista de directorio raiz
root@stwebs-VirtualBox:/home/stwebs# ls /
bin      dev      lib      libx32   mnt      root     snap     sys      var
boot     etc      lib32    lost+found  opt      run      srv      tmp
cdrom    home     lib64    media    proc     sbin     swapfile usr
root@stwebs-VirtualBox:/home/stwebs#
```

```
root@stwebs-VirtualBox:/home/stwebs# # cambiar al directorio raiz
root@stwebs-VirtualBox:/home/stwebs# cd /
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# # verificar la direccion actual
root@stwebs-VirtualBox:/# pwd
/
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# # crear un directorio "prueba" en /home
root@stwebs-VirtualBox:/# mkdir /home/prueba
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# #crear un archivo "test" en /home/prueba
root@stwebs-VirtualBox:/# touch /home/prueba/test
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# # 8. Verificar el usuario actual
root@stwebs-VirtualBox:/# whoami
root
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# # 9. Mostrar el contenido del archivo /root/.bash_history
root@stwebs-VirtualBox:/# cat /root/.bash_history
cat: /root/.bash_history: No existe el archivo o el directorio
root@stwebs-VirtualBox:/# cat /root/.bash_history
bash: cat /root/.bash_history: No existe el archivo o el directorio
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# #copiar el archivo "tes" a /root
root@stwebs-VirtualBox:/# cp /home/prueba/test/root/
cp: falta el operando archivo de destino después de '/home/prueba/test/root/'
Pruebe 'cp --help' para más información.
root@stwebs-VirtualBox:/# cp /home/prueba/test /root
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# # eliminar el archivo "test" de /home/prueba
root@stwebs-VirtualBox:/# rm /home/prueba/test
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# #mover /root/test a la raiz
root@stwebs-VirtualBox:/# mv /root/test /
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# # hacer un ping a www.google.com
root@stwebs-VirtualBox:/# ping www.google.com
PING www.google.com(tzqroa-aa-in-x04.1e100.net (2607:f8b0:4012:81d::2004)) 56 data bytes
64 bytes from tzqroa-aa-in-x04.1e100.net (2607:f8b0:4012:81d::2004): icmp_seq=1 ttl=115 time=73.9 ms
64 bytes from tzqroa-aa-in-x04.1e100.net (2607:f8b0:4012:81d::2004): icmp_seq=2 ttl=115 time=70.8 ms
^C
--- www.google.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 70.785/72.347/73.909/1.562 ms
root@stwebs-VirtualBox:/#
```

```
root@stwebs-VirtualBox:/# # mostrar la configuracion de red del servidor
root@stwebs-VirtualBox:/# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.100.58 netmask 255.255.255.0 broadcast 192.168.100.255
    inet6 2806:2f0:8560:16cd:e669:5f09:67f3:bdf4 prefixlen 64 scopeid 0x0<global>
    inet6 fe80::8298:2b94:92a1:9abe prefixlen 64 scopeid 0x20<link>
    inet6 2806:2f0:8560:16cd:813b:44a6:1f0a:5b42 prefixlen 64 scopeid 0x0<global>
    ether 08:00:27:13:4b:76 txqueuelen 1000 (Ethernet)
    RX packets 741185 bytes 1059243058 (1.0 GB)
    RX errors 0 dropped 1 overruns 0 frame 0
    TX packets 318155 bytes 24679845 (24.6 MB)
    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
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Bucle local)
    RX packets 1462 bytes 150735 (150.7 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1462 bytes 150735 (150.7 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@stwebs-VirtualBox:/#
```

```

root@stwebs-VirtualBox:/# #usar el comando netstat
root@stwebs-VirtualBox:/# netstat
Conexiones activas de Internet (servidores w/o)
Proto Recib Enviad Dirección local Dirección remota Estado
tcp 0 0 stwebs-VirtualBox:59950 162.159.135.234:https ESTABLECIDO
tcp 0 0 stwebs-VirtualBox:56978 55.65.117.34.bc.g:https ESTABLECIDO
tcp6 76 0 stwebs-VirtualBox:46908 2a04:4e42:8a::347:https CLOSE_WAIT
tcp6 0 0 stwebs-VirtualBox:36288 whatsapp-cdn6-shv:https ESTABLECIDO
tcp6 0 0 stwebs-VirtualBox:58826 ubuntu-mirror-3.ps:http TIME_WAIT
udp 0 0 stwebs-VirtualBo:bootpc _gateway:bootps ESTABLECIDO
Sockets activos de dominio UNIX (servidores w/o)
Proto RefCnt Flags Type State I-Node Ruta
unix 2 [ ] DGRAM 27940 /run/user/1000/systemd/notify
unix 3 [ ] DGRAM CONECTADO 13760 /run/systemd/notify
unix 2 [ ] DGRAM 13775 /run/systemd/journal/syslog
unix 19 [ ] DGRAM CONECTADO 13785 /run/systemd/journal/dev-log
unix 8 [ ] DGRAM CONECTADO 13789 /run/systemd/journal/socket
unix 3 [ ] SEQPACKET CONECTADO 69775 @00014
unix 3 [ ] SEQPACKET CONECTADO 69774 @00013
unix 3 [ ] SEQPACKET CONECTADO 68591 @00012
unix 3 [ ] SEQPACKET CONECTADO 69767 @00011
unix 3 [ ] FLUJO CONECTADO 82782
unix 3 [ ] FLUJO CONECTADO 70793
unix 3 [ ] FLUJO CONECTADO 70121
unix 3 [ ] FLUJO CONECTADO 45418
unix 3 [ ] FLUJO CONECTADO 33028
unix 3 [ ] FLUJO CONECTADO 29358 @/home/stwebs/.cache/ibus/dbus-qUobT2Ds
unix 3 [ ] FLUJO CONECTADO 28411 /run/dbus/system_bus_socket
unix 3 [ ] FLUJO CONECTADO 28190
unix 3 [ ] FLUJO CONECTADO 69904
unix 3 [ ] FLUJO CONECTADO 74751
unix 3 [ ] FLUJO CONECTADO 70951
unix 3 [ ] FLUJO CONECTADO 29652
unix 3 [ ] FLUJO CONECTADO 29457 /run/user/1000/pulse/native
unix 3 [ ] FLUJO CONECTADO 25918 @/tmp/dbus-vrxMAXEj
unix 3 [ ] FLUJO CONECTADO 36889 /run/user/1000/bus
unix 3 [ ] FLUJO CONECTADO 37953 /run/dbus/system_bus_socket
unix 3 [ ] FLUJO CONECTADO 29919 @/tmp/dbus-hCn75u2AuJ
unix 3 [ ] FLUJO CONECTADO 61480 /run/dbus/system_bus_socket
unix 3 [ ] FLUJO CONECTADO 35740 @/tmp/.ICE-unix/958
unix 3 [ ] FLUJO CONECTADO 32066
unix 3 [ ] FLUJO CONECTADO 69502
unix 3 [ ] FLUJO CONECTADO 59336
unix 3 [ ] FLUJO CONECTADO 33191 /run/systemd/journal/stdout
unix 3 [ ] FLUJO CONECTADO 31732
unix 3 [ ] FLUJO CONECTADO 59980 /run/dbus/system_bus_socket
unix 3 [ ] FLUJO CONECTADO 37952 /run/dbus/system_bus_socket
unix 3 [ ] FLUJO CONECTADO 31537 /run/user/1000/bus
unix 3 [ ] FLUJO CONECTADO 26095 /run/dbus/system_bus_socket
unix 3 [ ] FLUJO CONECTADO 22221
unix 3 [ ] FLUJO CONECTADO 69619
unix 3 [ ] FLUJO CONECTADO 31534 /run/systemd/journal/stdout
unix 3 [ ] FLUJO CONECTADO 26205

```

```

top - 18:11:08 up 39 min, 1 user, load average: 0.30, 0.20, 0.42
Tareas: 213 total, 1 ejecutar, 212 hibernar, 0 detener, 0 zombie
%Cpu(s):  8.2 usuario,  2.7 sist,  0.0 adecuado, 88.9 inact,  0.1 en espera,  0.0 hardw int,  0.0 softw int,  0.0 robar tiempo
MiB Mem : 1963.6 total,  82.2 libre, 1335.3 usado,  546.1 búfer/caché
MiB Intercambio: 1162.4 total,  0.1 libre, 1162.3 usado.  412.9 dispon Mem

```

PID	USUARIO	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	HORA+	ORDEN
715	stwebs	20	0	434324	104176	49860	S	4.7	5.2	1:35.51	Xorg
979	stwebs	20	0	4926904	229756	47416	S	4.0	11.4	2:47.92	gnome-shell
12749	stwebs	20	0	835676	25976	12500	S	3.3	1.3	0:08.92	gnome-terminal-
5651	stwebs	20	0	1132.6g	178360	40544	S	1.7	8.9	1:18.78	Discord
6224	stwebs	20	0	11.1g	400164	38488	S	1.3	19.9	5:00.15	Isolated Web Co
2009	stwebs	20	0	3583984	183252	54532	S	0.3	9.1	3:21.94	firefox
1	root	20	0	169272	6028	3012	S	0.0	0.3	0:02.38	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
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_par_gp
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	slub_flushwq
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-kblockd
10	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_percpu_wq
11	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tasks_rude_
12	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tasks_trace
13	root	20	0	0	0	0	S	0.0	0.0	0:00.25	ksoftirqd/0
14	root	20	0	0	0	0	I	0.0	0.0	0:01.06	rcu_sched
15	root	rt	0	0	0	0	S	0.0	0.0	0:00.01	migration/0
16	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/0
18	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
19	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1
20	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/1
21	root	rt	0	0	0	0	S	0.0	0.0	0:00.16	migration/1
22	root	20	0	0	0	0	S	0.0	0.0	0:00.41	ksoftirqd/1
24	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/1:0H-events_highpri
25	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/2
26	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/2
27	root	rt	0	0	0	0	S	0.0	0.0	0:00.16	migration/2
28	root	20	0	0	0	0	S	0.0	0.0	0:00.14	ksoftirqd/2
30	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/2:0H-events_highpri
31	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs
32	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	inet_frag_wq
33	root	20	0	0	0	0	S	0.0	0.0	0:00.18	kauditd
34	root	20	0	0	0	0	S	0.0	0.0	0:00.00	khungtaskd
35	root	20	0	0	0	0	S	0.0	0.0	0:00.00	oom_reaper
36	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	writeback
37	root	20	0	0	0	0	S	0.0	0.0	0:01.81	kcompactd0
38	root	25	5	0	0	0	S	0.0	0.0	0:00.00	ksmd
39	root	39	19	0	0	0	S	0.0	0.0	0:00.00	khugepaged
87	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kintegrityd
88	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kblockd
89	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	blkcg_punt_bio
90	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	tpm_dev_wq
91	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ata_sff
92	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	md
93	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	edac-poller

```

root@stwebs-VirtualBox:/# #usra el comando traceroute
root@stwebs-VirtualBox:/# traceroute www.google.com
traceroute to www.google.com (192.178.52.132), 30 hops max, 60 byte packets
 1 _gateway (192.168.100.1) 1.242 ms 6.527 ms 6.565 ms
 2 10.54.0.1 (10.54.0.1) 6.812 ms 6.881 ms 6.869 ms
 3 10.180.58.130 (10.180.58.130) 8.980 ms 9.249 ms 9.072 ms
 4 10.180.58.1 (10.180.58.1) 7.581 ms 7.662 ms 7.853 ms
 5 72.14.242.148 (72.14.242.148) 21.538 ms 21.528 ms 21.633 ms
 6 * * *
 7 142.251.65.32 (142.251.65.32) 18.535 ms 142.250.61.134 (142.250.61.134) 21.516 ms 142.250.225.8 (142.250.225.8) 20.903 ms
 8 108.170.249.13 (108.170.249.13) 21.500 ms 108.170.249.18 (108.170.249.18) 21.420 ms 20.934 ms
 9 209.85.246.13 (209.85.246.13) 21.520 ms 142.250.212.203 (142.250.212.203) 21.487 ms 142.250.238.172 (142.250.238.172) 21.817 ms
10 209.85.251.228 (209.85.251.228) 49.599 ms 142.250.58.62 (142.250.58.62) 63.887 ms 142.250.58.68 (142.250.58.68) 50.403 ms
11 142.251.77.243 (142.251.77.243) 72.548 ms 142.251.77.253 (142.251.77.253) 70.504 ms 142.251.77.243 (142.251.77.243) 70.202 ms
12 108.170.254.17 (108.170.254.17) 71.156 ms 108.170.254.1 (108.170.254.1) 71.521 ms 108.170.254.17 (108.170.254.17) 70.736 ms
13 192.178.72.43 (192.178.72.43) 71.398 ms 192.178.72.41 (192.178.72.41) 71.477 ms 71.230 ms
14 tzqroa-aa-in-f4.1e100.net (192.178.52.132) 71.089 ms 69.728 ms 69.686 ms
root@stwebs-VirtualBox:/#

```

```
root@stwebs-VirtualBox:/# # usar el comando nslookup
root@stwebs-VirtualBox:/# nslookup www.google.com
Server:      127.0.0.53
Address:     127.0.0.53#53

Non-authoritative answer:
Name:   www.google.com
Address: 192.178.52.132
Name:   www.google.com
Address: 2607:f8b0:4012:81d::2004

root@stwebs-VirtualBox:/#
```