

COMANDOS LINUX PARTE 1

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Sistemas Operativos

1. Asumir el prompt del superusuario

```
akabane@debian:~$ su -  
Contraseña:  
root@debian:~# cd /etc/squid/
```

2. Cambiar el password del superusuario

```
akabane@debian:~$ sudo passwd root  
[sudo] contraseña para akabane:  
Nueva contraseña:  
Vuelva a escribir la nueva contraseña:  
passwd: contraseña actualizada correctamente
```

3. Listar el directorio de raíz

```
akabane@debian:~$ ls -R  
.:  
Descargas  Emmanuel  Imágenes  Plantillas  Videos  
Documentos Escritorio  Música    Público  
  
./Descargas:  
'bash codes.txt'  
  
./Documentos:  
  
./Emmanuel:  
18Scripts  18Scripts.zip  Act2  Cinco  Cuatro  Dos  NewAct  Seis  Tres  Uno
```

4. Cambiarse al directorio raíz

```
akabane@debian:~$ cd /  
akabane@debian:/$
```

5. Verificar el directorio actual

```
akabane@debian:/$ pwd  
/  
akabane@debian:/$ cd $home  
akabane@debian:~$ pwd  
/home/akabane
```

6. Crear un directorio prueba en /home

```
akabane@debian:/home$ cd $home  
akabane@debian:~$ mkdir prueba  
akabane@debian:~$ ls  
Descargas  Emmanuel  Imágenes  Plantillas  Público  
Documentos Escritorio  Música    prueba      Videos  
akabane@debian:~$
```

7. Crear un archivo "test" en directorio /home/prueba

```
akabane@debian:~$ touch prueba/test.txt  
akabane@debian:~$ cd prueba/  
akabane@debian:~/prueba$ ls  
test.txt  
akabane@debian:~/prueba$
```

8. Verificar el usuario actual

```
akabane@debian:~/prueba$ whoami
akabane
akabane@debian:~/prueba$
```

9. Mostrar el contenido del archivo /root/.bash_history

```
akabane@debian:~/prueba$ cat ~/.bash_history
cd $HOME
pwd
mkdir Emmanuel
cd Emmanuel
mkdir Uno
mkdir Dos
mkdir Tres
mkdir Seis
ls
cd uno
cd Uno
cat >> test.txt
cd $HOME
pwd
```

10. Copiar el archivo test a /root

```
akabane@debian:~/prueba$ cp test.txt ~/root
akabane@debian:~/prueba$
```

11. Eliminar el archivo test de /home/prueba

```
akabane@debian:~/prueba$ rm test.txt
akabane@debian:~/prueba$
```

12. Mover /root/test a la raíz

```
akabane@debian:~$ sudo mv /root/test /
```

13. Hacer un ping a www.google.com

```
akabane@debian:~$ ping -c 10 -q google.com
PING google.com (142.250.217.238) 56(84) bytes of data.

--- google.com ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9411ms
rtt min/avg/max/mdev = 22.754/24.306/26.393/1.087 ms
```

14. Mostrar la configuración de red del servidor

```
akabane@debian:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:ff:94:dc brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
        valid_lft 82743sec preferred_lft 82743sec
    inet6 fe80::a00:27ff:feff:94dc/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

15. Usar el comando netstat

```
akabane@debian:~$ netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 debian:47598           146.75.38.132:http     TIME_WAIT
udp        0      0 debian:bootpc          _gateway:bootps        ESTABLISHED

Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags               Type               State         I-Node   Path
unix    3      [ ]               STREAM             CONNECTED      36992     /run/user/1000/pu
unix    3      [ ]               STREAM             CONNECTED      18852
unix    3      [ ]               STREAM             CONNECTED      19925
unix    3      [ ]               STREAM             CONNECTED      18574
unix    3      [ ]               STREAM             CONNECTED      19942     /run/user/1000/bu
unix    3      [ ]               STREAM             CONNECTED      18604     /run/dbus/system_
unix    3      [ ]               STREAM             CONNECTED      19944
unix    3      [ ]               STREAM             CONNECTED      19827
unix    3      [ ]               STREAM             CONNECTED      16875
unix    3      [ ]               STREAM             CONNECTED      20088
unix    3      [ ]               STREAM             CONNECTED      15441
unix    3      [ ]               STREAM             CONNECTED      36975     /run/systemd/jou
unix    3      [ ]               STREAM             CONNECTED      19737     /run/systemd/jou
```

16. Usar el comando top

```
akabane@debian:~$ top

top - 23:09:11 up 1:09, 1 user, load average: 0.29, 0.15, 0.12
Tareas: 160 total, 1 running, 159 sleeping, 0 stopped, 0 zombie
%Cpu(s): 3.0 us, 5.2 sy, 0.0 ni, 90.9 id, 0.0 wa, 0.0 hi, 0.9 si, 0.0 st
MiB Mem : 8177.2 total, 6081.0 free, 1215.5 used, 1143.8 buff/cache
MiB Intercambio: 975.0 total, 975.0 free, 0.0 used, 6961.7 avail

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 1243 akabane   20   0 3798480 286116 129396 S   16.6   3.4   5:28.13 gnome
 3003 akabane   20   0 558136 53496 38988 S    4.7   0.6   0:11.07 gnome
 2947 root      20   0      0      0      0 I    1.0   0.0   0:01.53 kwork
 763 root      20   0 234004 8788 6032 S    0.7   0.1   0:00.98 upowe
 3173 akabane  20   0 11688 5140 3248 R    0.7   0.1   0:00.10 top
 249 root      20   0      0      0      0 I    0.3   0.0   0:03.90 kwork
 466 root      20   0 259052 22308 17356 S    0.3   0.3   0:00.74 Netwo
2991 root      20   0      0      0      0 I    0.3   0.0   0:03.98 kwork
   1 root      20   0 168056 12392 9156 S    0.0   0.1   0:01.89 syste
   2 root      20   0      0      0      0 S    0.0   0.0   0:00.04 kthre
   3 root      0 -20      0      0      0 I    0.0   0.0   0:00.00 rcu_g
   4 root      0 -20      0      0      0 I    0.0   0.0   0:00.00 rcu_p
   5 root      0 -20      0      0      0 I    0.0   0.0   0:00.00 slab_
   6 root      0 -20      0      0      0 I    0.0   0.0   0:00.00 netns
   8 root      0 -20      0      0      0 T    0.0   0.0   0:00.00 kwork
```

17. Usar el comando traceroute

```
akabane@debian:~$ traceroute google.com
traceroute to google.com (142.250.217.238), 30 hops max, 60 byte packets
 1 _gateway (10.0.2.2)  0.954 ms  0.560 ms  0.479 ms
 2 * * *
 3 * * *
 4 * * *
 5 * * *
 6 * * *
```

18. Usar el comando nslookup

```
akabane@debian:~$ nslookup
> google.com
Server:           8.8.8.8
Address:          8.8.8.8#53

Non-authoritative answer:
Name:   google.com
Address: 142.250.217.238
Name:   google.com
Address: 2607:f8b0:4008:814::200e
> exit
```