

1.- Asumir el prompt de superusuario

```
[x]-[parrot@parrot]-[~]  
$sudo prompt  
[sudo] password for parrot:
```

2.-Cambiar el password del superusuario

```
[x]-[parrot@parrot]-[~]  
$passwd  
Changing password for parrot.  
Current password:  
New password:  
Retype new password:  
passwd: password updated successfully
```

3.-Listar el directorio raíz

```
[parrot@parrot]-[~]  
$ls -l  
Desktop  
Documents  
dos  
Downloads  
Music  
Pictures  
Public  
seis  
Templates  
tres  
uno  
Videos
```

4.-Cambiar al directorio actual

```
[x]-[parrot@parrot]-[~]  
$cd /
```

5.-Verificar el directorio actual

```
[parrot@parrot]-[/]  
$ls -l  
bin  
boot  
dev  
etc  
home  
initrd.img  
initrd.img.old  
lib  
lib32  
lib64  
libx32  
media  
mnt  
opt  
proc  
root  
run  
sbin  
srv
```

6.- Crear un directorio "prueba" en /home

```
[parrot@parrot]-[/]  
$mkdir ~/prueba  
[parrot@parrot]-[/]  
$
```

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

```
[x]-[parrot@parrot]-[/]  
$touch /home/prueba/test  
touch: cannot touch '/home/prueba/test': Permission denied  
[x]-[parrot@parrot]-[/]  
$sudo touch /home/prueba/test  
[parrot@parrot]-[/]  
$ls /home/prueba  
test  
[parrot@parrot]-[/]
```

8.- Verificar el usuario actual

```
[parrot@parrot]-[/]  
$whoami  
parrot
```

9.- Mostrar el contenido del archivo /root/.bash\_history

10.- Copiar el archivo "test" a /root

```
[parrot@parrot]-[/]  
$sudo cp /home/prueba/test /root/
```

11.- Eliminar el archivo "test" de /home/prueba

```
[parrot@parrot]-[/]  
$sudo rm /home/prueba/test
```

12.- Mover /root/test a la raíz

```
[parrot@parrot]-[/]  
$sudo mv /root/test /  
[parrot@parrot]-[/]
```

13.- Hacer un ping a www.google.com

```
[parrot@parrot]-[/]  
$sudo ping www.google.com  
PING www.google.com (142.250.189.132) 56(84) bytes of data.  
54 bytes from mia09s26-in-f4.1e100.net (142.250.189.132): icmp  
e=62.1 ms  
54 bytes from mia09s26-in-f4.1e100.net (142.250.189.132): icmp
```

#### 14.- Mostrar la configuración de red del servidor

```
[x]-[parrot@parrot]-[/]
$ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::b29c:4784:3750:46ff prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:10:56:88 txqueuelen 1000 (Ethernet)
    RX packets 1591 bytes 1380093 (1.3 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1135 bytes 122689 (119.8 KiB)
    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 (Local Loopback)
    RX packets 8 bytes 480 (480.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8 bytes 480 (480.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

#### 15.- Usar el comando netstat

```
[parrot@parrot]-[/]
$netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
udp        0      0 10.0.2.2:bootps        10.0.2.2:bootps        ESTABLISHED

Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags               Type                   State                  I-Node   Path
unix 3      [ ]                 STREAM                CONNECTED              11256    /run/systemd/journal
unix 3      [ ]                 STREAM                CONNECTED              24772    /run/dbus/system_bus
unix 3      [ ]                 STREAM                CONNECTED              24766    @/tmp/.X11-unix/X0
unix 3      [ ]                 STREAM                CONNECTED              23973    /run/user/1000/at-sp
unix 3      [ ]                 STREAM                CONNECTED              17355    /run/user/1000/at-sp
unix 3      [ ]                 STREAM                CONNECTED              25732    /run/user/1000/at-sp
unix 2      [ ]                 DGRAM                 CONNECTED              17376    /run/user/1000/at-sp
unix 3      [ ]                 STREAM                CONNECTED              11182    /run/systemd/journal
unix 3      [ ]                 STREAM                CONNECTED              36343    /run/user/1000/pulse
unix 3      [ ]                 STREAM                CONNECTED              33315    @/dbus-vfs-daemon/socket-KhpiCsJj
```

#### 16.- Usar el comando top

```
[parrot@parrot]-[/]
$top
top - 20:47:14 up 11:22, 1 user, load average: 0.15, 0.12, 0.05
Tasks: 198 total, 1 running, 195 sleeping, 2 stopped, 0 zombie
%Cpu(s): 0.7 us, 0.5 sy, 0.0 ni, 98.6 id, 0.0 wa, 0.0 hi, 0.2 si, 0.0 st
MiB Mem : 3911.2 total, 2143.9 free, 819.7 used, 947.6 buff/cache
MiB Swap: 0.0 total, 0.0 free, 0.0 used, 2850.3 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR S  %CPU  %MEM    TIME+  COMMAND
  684 root        20   0 1308220 119176 58340 S   2.0   3.0   5:07.17 Xorg
  954 parrot    20   0 468532 50076 33200 S   0.7   1.3   0:15.90 marco
 1407 parrot    20   0 495036 57044 36836 S   0.7   1.4   0:07.93 mate-t+
  869 parrot    20   0 218032 2368 2020 S   0.3   0.1   1:25.77 VBoxCl+
  985 parrot    20   0 684556 78192 47472 S   0.3   2.0   0:12.30 caja
 2901 parrot    20   0 10260 3868 3352 R   0.3   0.1   0:00.01 top
    1 root       20   0 166796 12220 9096 S   0.0   0.3   0:01.07 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+
```

## 17.- Usar el comando traceroute

```
parrot@parrot:~$ traceroute
Usage:
  traceroute [ -46dFITnreAUDV ] [ -f first_ttl ] [ -g gate,... ] [ -i device ]
[ -m max_ttl ] [ -N squeries ] [ -p port ] [ -t tos ] [ -l flow_label ] [ -w MA
X,HERE,NEAR ] [ -q nqueries ] [ -s src_addr ] [ -z sendwait ] [ --fwmark=num ]
host [ packetlen ]
Options:
  -4          Use IPv4
  -6          Use IPv6
  -d --debug  Enable socket level debugging
  -F --dont-fragment Do not fragment packets
  -f first_ttl --first=first_ttl
              Start from the first_ttl hop (instead from 1)
  -g gate,... --gateway=gate,...
              Route packets through the specified gateway
              (maximum 8 for IPv4 and 127 for IPv6)
  -I --icmp   Use ICMP ECHO for tracerouting
  -T --tcp    Use TCP SYN for tracerouting (default port is 80)
  -i device   --interface=device
              Specify a network interface to operate with
  -m max_ttl --max-hops=max_ttl
```

## 18.- Usar el comando nslookup

```
> hola
;; communications error to 10.223.234.2#53: timed out
Server:      10.223.234.2
Address:     10.223.234.2#53

** server can't find hola: NXDOMAIN
> lol
;; communications error to 10.223.234.2#53: timed out
Server:      10.223.234.2
Address:     10.223.234.2#53

Non-authoritative answer:
*** Can't find lol: No answer
> www.google.com
;; communications error to 10.223.234.2#53: timed out
Server:      10.223.234.2
Address:     10.223.234.2#53

Non-authoritative answer:
Name:   www.google.com
Address: 142.250.189.132
Name:   www.google.com
Address: 2607:f8b0:4008:809::2004
>
```