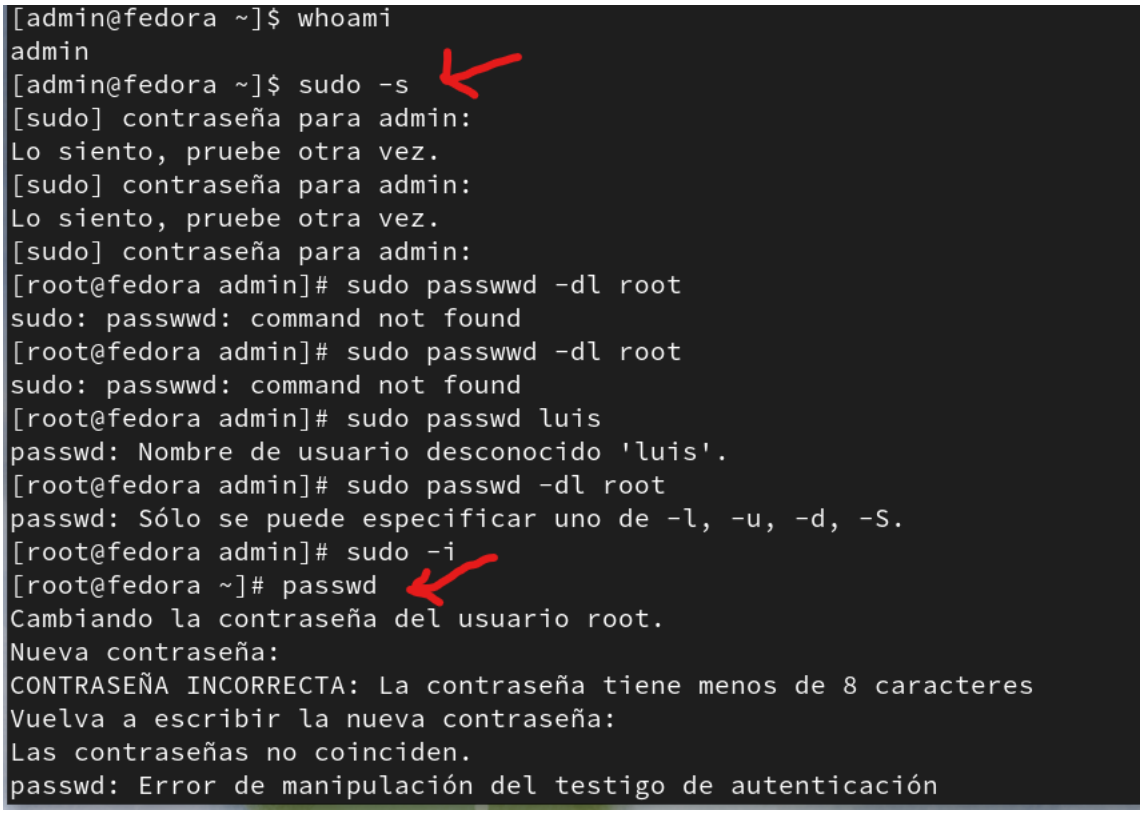
1-Asumir el prompt de superusuario

2-Cambiar la contraseña del super usuario



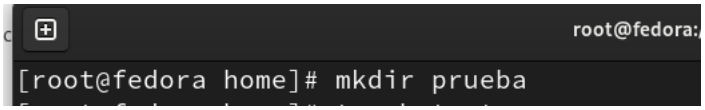
3-Listar el directorio raíz

4-Cambiarse al directorio raíz

5-Verificar el directorio actual

6-Crear un directorio prueba en /home

7.Crea un archivo en /home/prueba




```
[root@fedora prueba]# touch test
[root@fedora prueba]# ls
test
[root@fedora prueba]# pwd
/home/prueba
[root@fedora prueba]#
```

8-Comprueba el usuario actual

```
[root@fedora ~]# whoami
root
[root@fedora ~]#
```

9-Mostrar el contenido del archivo .bash_history

```
[root@fedora ~]# cat .bash_history
yum install git
[root@fedora ~]#
```

10-Copiar el archivo test a /root

```
[root@fedora prueba]# cp test ../../root
[root@fedora prueba]# cd
[root@fedora ~]# ls
anaconda-ks.cfg  prueba  test
[root@fedora ~]#
```

11-Eliminar el archivo test de home/prueba

```
[root@fedora home]# cd prueba
[root@fedora prueba]# rm test
rm: ¿borrar el fichero regular vacío 'test'? (s/n) s
[root@fedora prueba]#
```

12- Mover root/test a la raíz

```
[root@fedora ~]# cd ../
[root@fedora /]# ls
afs  boot  etc   lib    lost+found  mnt  proc  run   srv  tmp  var
bin  dev   home  lib64  media       opt  root  sbin  sys  usr
[root@fedora /]#
```

13- Hacer ping a www.google.com

```
[root@fedora /]# ping www.google.com
PING www.google.com (172.217.215.147) 56(84) bytes of data.
64 bytes from yo-in-f147.1e100.net (172.217.215.147): icmp_seq=1 ttl=106 time=33
.4 ms
64 bytes from yo-in-f147.1e100.net (172.217.215.147): icmp_seq=2 ttl=106 time=31
.0 ms
64 bytes from yo-in-f147.1e100.net (172.217.215.147): icmp_seq=3 ttl=106 time=32
.8 ms
^C
--- www.google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 31.024/32.421/33.442/1.022 ms
[root@fedora /]#
```

14-Mostrar la configuración de red

```
[root@fedora /]# 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::ff41:c4d:95c9:97e4  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:53:7f:75  txqueuelen 1000  (Ethernet)
        RX packets 650530  bytes 980187761 (934.7 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 93528  bytes 5842565 (5.5 MiB)
        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 46  bytes 3842 (3.7 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 46  bytes 3842 (3.7 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

[root@fedora /]#
```

15-Usa el comando netstat

```
[root@fedora /]# netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp       39      0 fedora:42262            yo-in-f132.1e100.:https ESTABLISHED
tcp       39      0 fedora:42280            yo-in-f132.1e100.:https ESTABLISHED
tcp       39      0 fedora:42278            yo-in-f132.1e100.:https ESTABLISHED
udp        0      0 fedora:bootpc           _gateway:bootps         ESTABLISHED
Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags       Type       State         I-Node   Path
unix  3      [ ]         STREAM     CONNECTED     26195
unix  3      [ ]         STREAM     CONNECTED     19581
unix  3      [ ]         STREAM     CONNECTED     26369    /run/user/1000/at-spi
/bus
unix  3      [ ]         DGRAM      CONNECTED     16511
unix  3      [ ]         STREAM     CONNECTED     26378
unix  3      [ ]         STREAM     CONNECTED     25797    /run/user/1000/waylan
d-0
unix  3      [ ]         STREAM     CONNECTED     25492
unix  2      [ ]         DGRAM      CONNECTED     19257
unix  3      [ ]         STREAM     CONNECTED     24827
```

16-Usa el comando top

```
[root@fedora /]# top

top - 18:29:25 up  1:03,  1 user,  load average: 0.45, 0.16, 0.08
Tasks: 213 total,   1 running, 212 sleeping,   0 stopped,   0 zombie
%Cpu(s):  1.0 us,  1.0 sy,  0.0 ni, 93.4 id,  0.0 wa,  2.4 hi,  2.1 si,  0.0 st
MiB Mem :   1954.0 total,    119.4 free,   1251.6 used,    583.0 buff/cache
MiB Swap:   1953.0 total,   1266.2 free,    686.8 used.    526.8 avail Mem

    PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
   1669 admin     20   0 3672088 297964  84664 S   4.7  14.9   1:30.57 gnome-s+
   3032 admin     20   0  847212  42816  34940 S   1.7   2.1   0:10.44 gnome-t+
    576 systemd+  20   0   15176   3712   3456 S   0.7   0.2   0:06.88 systemd+
   4159 root      20   0  225188   3840   3072 R   0.3   0.2   0:00.03 top
      1 root      20   0  229688  11692   6552 S   0.0   0.6   0:02.40 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+
      5 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 slub_fl+
      6 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 netns
     10 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 mm_perc+
     11 root      20   0       0      0      0 I   0.0   0.0   0:01.65 kworker+
     12 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tas+
```

17-Usa el comando traceroute

```
[root@fedora /]# traceroute
Usage:
  traceroute [ -46dFITnreAUDV ] [ -f first_ttl ] [ -g gate,... ] [ -i device ] [
 -m max_ttl ] [ -N squeries ] [ -p port ] [ -t tos ] [ -l flow_label ] [ -w MAX,
HERE,NEAR ] [ -q nqueries ] [ -s src_addr ] [ -z sendwait ] [ --fwmark=num ] hos
t [ 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
                             Set the max number of hops (max TTL to be
```

18-usa el comando lookup

```
[root@fedora /]# nslookup google.com
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   google.com
Address: 64.233.176.139
Name:   google.com
Address: 64.233.176.100
Name:   google.com
Address: 64.233.176.138
Name:   google.com
Address: 64.233.176.102
Name:   google.com
Address: 64.233.176.113
Name:   google.com
Address: 64.233.176.101
Name:   google.com
Address: 2607:f8b0:4002:c08::65
```