

1-Asumir el prompt de superusuario

2-Cambiar la contraseña del super usuario

```
[admin@fedora ~]$ whoami
admin
[admin@fedora ~]$ sudo -s
[sudo] contraseña para admin:
Lo siento, pruebe otra vez.
[sudo] contraseña para admin:
Lo siento, pruebe otra vez.
[sudo] contraseña para admin:
[root@fedora admin]# sudo passwdd -dl root
sudo: passwdd: command not found
[root@fedora admin]# sudo passwdd -dl root
sudo: passwdd: command not found
[root@fedora admin]# sudo passwd luis
passwd: Nombre de usuario desconocido 'luis'.
[root@fedora admin]# sudo passwd -dl root
passwd: Sólo se puede especificar uno de -l, -u, -d, -S.
[root@fedora admin]# sudo -i
[root@fedora ~]# passwd
Cambiando la contraseña del usuario root.
Nueva contraseña:
CONTRASEÑA INCORRECTA: La contraseña tiene menos de 8 caracteres
Vuelva a escribir la nueva contraseña:
Las contraseñas no coinciden.
passwd: Error de manipulación del testigo de autenticación
```

3-Listar el directorio raíz

4-Cambiarse al directorio 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 /]#
```

5-Verificar el directorio actual

6-Crear un directorio prueba en /home

7.Crea un archivo en /home/prueba

```
root@fedora:~  
[root@fedora home]# mkdir 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:~  
[root@fedora ~]# whoami  
root  
[root@fedora ~]#
```

9-Mostrar el contenido del archivo .bash_history

```
root@fedora:~  
[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 [-4dFITnreAUDV] [-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] 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 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
```