

Universidad Politécnica de Quintana Roo

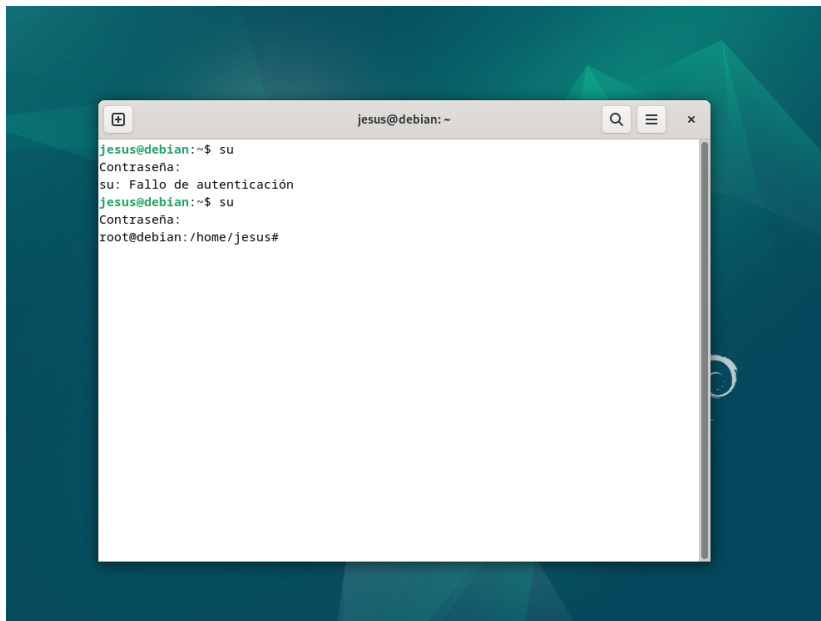


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Pruebas de Software 27AV Ingenieria en Software

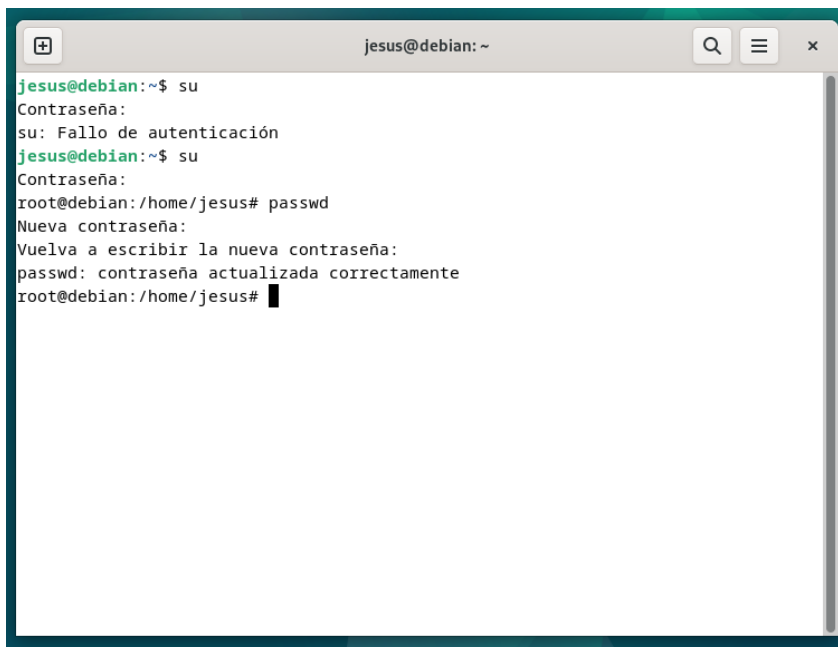
Tarea #988

1.- Asumir el prompt de superusuario



```
jesus@debian: ~  
jesus@debian:~$ su  
Contraseña:  
su: Fallo de autenticación  
jesus@debian:~$ su  
Contraseña:  
root@debian:/home/jesus#
```

2.- Cambiar el password de superusuario



```
jesus@debian:~$ su  
Contraseña:  
su: Fallo de autenticación  
jesus@debian:~$ su  
Contraseña:  
root@debian:/home/jesus# passwd  
Nueva contraseña:  
Vuelva a escribir la nueva contraseña:  
passwd: contraseña actualizada correctamente  
root@debian:/home/jesus#
```

3.- Listar el directorio raíz

```
root@debian:/home/jesus# ls /
bin  home      lib32      media  root  sys  vmlinuz
boot initrd.img  lib64      mnt    run   tmp  vmlinuz.old
dev  initrd.img.old  libx32    opt    sbin  usr
etc  lib        lost+found proc    srv   var
root@debian:/home/jesus#
```

4.- Cambiarse el directorio raíz

```
root@debian:/home/jesus# cd
root@debian:~#
```

5.- Verificar el directorio actual

```
root@debian:/home/jesus# cd
root@debian:~# pwd
/root
root@debian:~#
```

6.- Crear un directorio “prueba” en /home

```
root@debian:~# mkdir prueba
root@debian:~# ls
prueba
root@debian:~#
```

7.- Crear el archivo “test” en directorio /home/prueba

```
root@debian:~# ls
prueba
root@debian:~# cd prueba/
root@debian:~/prueba# >test
root@debian:~/prueba# ls
test
root@debian:~/prueba#
```

8.- Verificar el usuario actual

```
root@debian:~/prueba# who
who      whoami
root@debian:~/prueba# whoami
root
root@debian:~/prueba#
```

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

```
root@debian:~/prueba# history
 1  nano /etc/sudoers
 2  nano /ect/sudoers
 3  nano /etc/sudoers
 4  exit
 5  passwd
 6  ls /
 7  cd
 8  pwd
 9  mkdir prueba
10  ls
11  cd prueba/
12  >test
13  ls
14  whoami
15  history
root@debian:~/prueba#
```

10.- Copiar el archivo “test” a /root

```
root@debian:~/prueba# cp test /root/
root@debian:~/prueba# cd /root/
root@debian:~# ls
prueba  test
root@debian:~#
```

11.- Eliminar el archivo “test” de /home/prueba

```
root@debian:~# rm test
root@debian:~# ls
prueba
root@debian:~#
```

12.- Mover /root/test a la raíz

```
:/home# mv /root/test /test
:/home#
```

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

```
PING www.google.com (142.250.217.164) 56(84) bytes of data.  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=1 ttl=109 time=72.2 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=2 ttl=109 time=71.7 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=3 ttl=109 time=71.9 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=4 ttl=109 time=73.0 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=5 ttl=109 time=72.3 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=6 ttl=109 time=71.2 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=7 ttl=109 time=71.0 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=8 ttl=109 time=70.2 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=9 ttl=109 time=72.1 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=10 ttl=109 time=70.4 ms  
64 bytes from mia07s60-in-f4.1e100.net (142.250.217.164): icmp_seq=11 ttl=109 time=70.4 ms
```

14.- Mostrar la configuración de red del servidor

```
root@debian:~# ip address  
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: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UNKNOWN group default qlen 1000  
    link/ether 08:00:27:05:87:c0 brd ff:ff:ff:ff:ff:ff  
    inet6 2806:10be:4:299f:4962:2b68:7104:963/64 scope global dynamic noprefixroute  
        valid_lft 85883sec preferred_lft 85883sec  
    inet6 fe80::a5e8:b357:4855:4d8d/64 scope link noprefixroute  
        valid_lft forever preferred_lft forever  
3: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000  
    link/ether 08:00:27:91:44:bd 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 84127sec preferred_lft 84127sec  
    inet6 fe80::8cb7:a77b:7319:2be4/64 scope link noprefixroute  
        valid_lft forever preferred_lft forever  
root@debian:~#
```

15.- usar el comando netstat

```

root@debian:~# ss -tuln
Netid      State      Recv-Q     Send-Q      Local Address:Port      Peer Address:Port      Process
udp        UNCONN     0           0            0.0.0.0:631             0.0.0.0:*
udp        UNCONN     0           0            0.0.0.0:39936           0.0.0.0:*
udp        UNCONN     0           0            0.0.0.0:5353           0.0.0.0:*
udp        UNCONN     0           0            [::]:53873             [::]:*
udp        UNCONN     0           0            [::]:5353              [::]:*
tcp        LISTEN     0          128          127.0.0.1:631          0.0.0.0:*
tcp        LISTEN     0          128          [::]:631               [::]:*
root@debian:~#

```

16.- Usar el comando top

```

top - 21:50:05 up 40 min, 1 user, load average: 0.19, 0.85, 0.56
Tareas: 164 total, 1 running, 163 sleeping, 0 stopped, 0 zombie
%Cpu(s): 1.5 us, 3.0 sy, 0.0 ni, 95.5 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 1967.2 total, 484.4 free, 1073.5 used, 572.6 buff/cache
MiB Intercambio: 975.0 total, 769.7 free, 205.2 used, 893.7 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM     TIME+ COMMAND
 1220 jesus    20   0 3293304 177700 98912 S   9.3   8.8   0:59.62 gnome-shell
 6646 jesus    20   0 559912   54240 38964 S   3.3   2.7   0:02.29 gnome-terminal-
    1 root     20   0 168040   11980 8668 S   0.0   0.6   0:01.54 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
   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 I   0.0   0.0   0:00.00 rcu_tasks_kthread
   12 root     20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
   13 root     20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
   14 root     20   0      0      0      0 S   0.0   0.0   0:05.72 ksoftirqd/0
   15 root     20   0      0      0      0 I   0.0   0.0   0:01.27 rcu_preempt
   16 root     rt    0      0      0      0 S   0.0   0.0   0:00.04 migration/0
   18 root     20   0      0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
   20 root     20   0      0      0      0 S   0.0   0.0   0:00.00 kdevtmpfs

```

17.- Usar el comando traceroute

```

root@debian:~# traceroute www.facebook.com
traceroute to www.facebook.com (157.240.14.35), 30 hops max, 60 byte packets
 1 _gateway (10.0.2.2) 0.553 ms 0.527 ms 0.376 ms
 2 * * *
 3 * * *
 4 * * *
 5 * * *
 6 * * *
 7 * * *
 8 * * *
 9 * * *
10 * * *
11 * * *
12 * * *
13 * * *
14 * * *
15 * * *
16 * * *
17 * * *

```

18.- Usar el comando nslookup

```
root@debian:~# nslookup www.facebook.com
Server:      192.168.1.254
Address:     192.168.1.254#53

Non-authoritative answer:
www.facebook.com      canonical name = star-mini.c10r.facebook.com.
Name:   star-mini.c10r.facebook.com
Address: 157.240.14.35
Name:   star-mini.c10r.facebook.com
Address: 2a03:2880:f12c:83:face:b00c:0:25de

root@debian:~#
```