

Universidad Politécnica de Quintana Roo

Trabajo: Tarea 988

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Instrucciones

Realizar el siguiente ejercicio durante clase, subir en pdf los resultados mediante captura de pantalla.

Instrucciones
1.- Asumir el prompt de superusuario
2.- Cambiar el password del superusuario
3.- Listar el directorio raiz
4.- Cambiarse al directorio raiz
5.- Verificar el directorio actual
6.- Crear un directorio "prueba" en /home
7.- Crear un archivo "test" en directorio /home/prueba
8.- Verificar el usuario actual
9.- Mostrar el contenido del archivo /root/.bash_history
10.- Copiar el archivo "test" a /root
11.- Eliminar el archivo "test" de /home/prueba
12.- Mover /root/test a la raiz
13.- Hacer un ping a www.google.com
14.- Mostrar la configuracion de red del servidor
15.- Usar el comando netstat
16.- Usar el comando top
17.- Usar el comando traceroute
18.- Usar el comando nslookup

1.- Asumir el prompt de superusuario

```
root@zorin: /  
zorin@zorin:~$ sudo su  
root@zorin:/home/zorin#
```

2.- Cambiar el password del superusuario

```
root@zorin:/home/zorin# passwd  
New password:  
Retype new password:  
passwd: password updated successfully
```

3.- Listar el directorio raíz

```
root@zorin:/home/zorin# ls /  
bin  cdrom  etc  lib  lib64  media  opt  rofs  run  snap  sys  usr  
boot  dev  home  lib32  libx32  mnt  proc  root  sbin  srv  tmp  var
```

4.- Cambiarse al directorio raíz

```
root@zorin:/home/zorin# cd /
```

5.- Verificar el directorio actual

```
root@zorin:/home/zorin# cd /  
root@zorin:/# pwd  
/
```

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

```
root@zorin:/# mkdir /home/prueba
```

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

```
root@zorin:/# touch /home/prueba/test
```

8.- Verificar el usuario actual

```
root@zorin:/# whoami  
root
```

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

```
root@zorin:/# cat /root/.bash_history  
password  
clear  
sudo su  
passwd  
root@zorin:/#
```

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

```
root@zorin:/# cp /home/prueba/test /root/
```

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

```
root@zorin:/# rm /home/prueba/test
```

12.- Mover /root/test a la raíz

```
root@zorin:/# mv /root/test /
```

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

```
root@zorin:/# ping www.google.com
PING www.google.com (64.233.176.106) 56(84) bytes of data.
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=1 ttl=106 time=39.4 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=2 ttl=106 time=33.4 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=3 ttl=106 time=34.9 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=4 ttl=106 time=41.4 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=5 ttl=106 time=34.4 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=6 ttl=106 time=35.0 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=7 ttl=106 time=41.6 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=8 ttl=106 time=42.3 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=9 ttl=106 time=51.0 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=10 ttl=106 time=41.9 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=11 ttl=106 time=33.2 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=12 ttl=106 time=34.6 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=13 ttl=106 time=36.1 ms
64 bytes from yw-in-f106.1e100.net (64.233.176.106): icmp_seq=14 ttl=106 time=48.7 ms
^C
--- www.google.com ping statistics ---
15 packets transmitted, 14 received, 6.66667% packet loss, time 14028ms
rtt min/avg/max/mdev = 33.216/39.146/50.956/5.437 ms
```

14.- Mostrar la configuracion de red del servidor

```
root@zorin:/# apt install net-tools
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 105 not upgraded.
Need to get 196 kB of archives.
After this operation, 864 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu focal/main amd64 net-tools amd64 1.60+git20180626.a
Fetched 196 kB in 1s (252 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 278685 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20180626.aebd88e-1ubuntu1_amd64.deb ...
Unpacking net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Setting up net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...
root@zorin:/# 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::df5d:1568:a189:70da prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:6b:b1:cd txqueuelen 1000 (Ethernet)
    RX packets 120090 bytes 159186353 (159.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 42501 bytes 4243523 (4.2 MB)
    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 733 bytes 78149 (78.1 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 733 bytes 78149 (78.1 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```

root@zorin:/# netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 zorin:55988            ubuntu-mirror-3.ps:htp TIME_WAIT
udp        0      0 zorin:bootpc           _gateway:bootps        ESTABLISHED

Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags               Type                   State         I-Node      Path
unix  2      [ ]                   DGRAM                23687         /run/user/999/systemd/notify
unix  3      [ ]                   DGRAM                15439         /run/systemd/notify
unix  2      [ ]                   DGRAM                15458         /run/systemd/journal/syslog
unix  20     [ ]                   DGRAM                15466         /run/systemd/journal/dev-log
unix  8      [ ]                   DGRAM                15478         /run/systemd/journal/socket
unix  3      [ ]                   STREAM                CONNECTED     25100
unix  3      [ ]                   STREAM                CONNECTED     78789
unix  3      [ ]                   STREAM                CONNECTED     79412         /run/systemd/journal/stdout
unix  3      [ ]                   STREAM                CONNECTED     79523         /run/systemd/journal/stdout
unix  3      [ ]                   STREAM                CONNECTED     78641
unix  3      [ ]                   STREAM                CONNECTED     46871
unix  3      [ ]                   STREAM                CONNECTED     83592         /run/systemd/journal/stdout

```


PID	USER	PR	NI	VIRT	RES	SHR	S	SSGO	SMEM	TIME	COMMAND
12162	zarin	20	0	4258616	383708	169860	S	8.0	6.2	0:32.44	gnome-shell
12039	zarin	20	0	386164	117116	63944	S	5.6	1.9	0:15.99	Xorg
12650	zarin	20	0	833072	60204	43368	S	2.7	1.0	0:03.69	gnome-terminal-
13626	root	20	0	21760	4212	3408	R	0.3	0.1	0:00.05	top
1	root	20	0	162636	11504	8428	S	1.0	0.2	0:01.86	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_flushmq
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-events_highpri
9	root	20	0	0	0	0	I	0.0	0.0	0:01.07	kworker/u4:0-events_unbound
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	S	0.0	0.0	0:00.00	rcu_tasks_rude_
12	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tasks_trace
13	root	20	0	0	0	0	S	0.0	0.0	0:00.24	ksoftirqd/0
14	root	20	0	0	0	0	I	0.0	0.0	0:00.02	rcu_sched
15	root	rt	0	0	0	0	S	0.0	0.0	0:00.00	migration/0
16	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/0
18	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
19	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1
20	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/1
21	root	rt	0	0	0	0	S	0.0	0.0	0:00.47	migration/1
22	root	20	0	0	0	0	S	0.0	0.0	0:00.77	ksoftirqd/1
24	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/1:0H-events_highpri
25	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs
26	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	inet_frag_wq
27	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kauditd
28	root	20	0	0	0	0	S	0.0	0.0	0:00.00	khungtaskd
29	root	20	0	0	0	0	S	0.0	0.0	0:00.00	oom_reaper
30	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	writeback
31	root	20	0	0	0	0	S	0.0	0.0	0:00.04	kcompactd0
32	root	25	5	0	0	0	S	0.0	0.0	0:00.00	kmsd
33	root	39	19	0	0	0	S	0.0	0.0	0:00.00	khugepaged
80	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kintegrityd
81	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	klckd
82	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	blkcg_punt_bio
83	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	tpm_dev_wq
84	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ata_sff
85	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	nd
86	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	edac-poller
87	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	devfreq_wq
88	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	watchdog
90	root	0	-20	0	0	0	I	0.0	0.0	0:00.56	kworker/0:1W-kblockd
92	root	20	0	0	0	0	S	0.0	0.0	0:00.02	kswapd0

```

root@zorin:/# apt install inetutils-traceroute
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  inetutils-traceroute
0 upgraded, 1 newly installed, 0 to remove and 105 not upgraded.
Need to get 41.6 kB of archives.
After this operation, 273 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 inetutils-traceroute amd64 2:1.9.4-11ubuntu0.2 [41.6 kB]
Fetched 41.6 kB in 0s (98.2 kB/s)
Selecting previously unselected package inetutils-traceroute.
(Reading database ... 278734 files and directories currently installed.)
Preparing to unpack .../inetutils-traceroute_2k3a1.9.4-11ubuntu0.2_amd64.deb ...
Unpacking inetutils-traceroute (2:1.9.4-11ubuntu0.2) ...
Setting up inetutils-traceroute (2:1.9.4-11ubuntu0.2) ...
update-alternatives: using /usr/bin/inetutils-traceroute to provide /usr/bin/traceroute (traceroute) in auto mode
Processing triggers for man-db (2.9.1-1) ...
root@zorin:/# traceroute www.google.com
traceroute to www.google.com (64.233.176.99), 64 hops max
 1  10.0.2.2  0.207ms  0.141ms  0.174ms
 2  * 10.0.2.2  14.193ms  3.459ms
root@zorin:/#

```


18.- Usar el comando nslookupz

 zoring [Corriendo] - Oracle VM VirtualBox

```
root@zorin: root@zorin:
root@zorin:/# nslookup www.google.com
Server:      127.0.0.53
Address:     127.0.0.53#53

Non-authoritative answer:
Name:   www.google.com
Address: 64.233.176.103
Name:   www.google.com
Address: 64.233.176.147
Name:   www.google.com
Address: 64.233.176.106
Name:   www.google.com
Address: 64.233.176.105
Name:   www.google.com
Address: 64.233.176.104
Name:   www.google.com
Address: 64.233.176.99
Name:   www.google.com
Address: 2607:f8b0:4002:c05::67
Name:   www.google.com
Address: 2607:f8b0:4002:c05::93
Name:   www.google.com
Address: 2607:f8b0:4002:c05::68
Name:   www.google.com
Address: 2607:f8b0:4002:c05::69

root@zorin:/#
```