



UNIVERSIDAD  
**POLITÉCNICA**  
DE QUINTANA ROO

Formando Triunfadores

Universidad Politécnica de Quintana Roo

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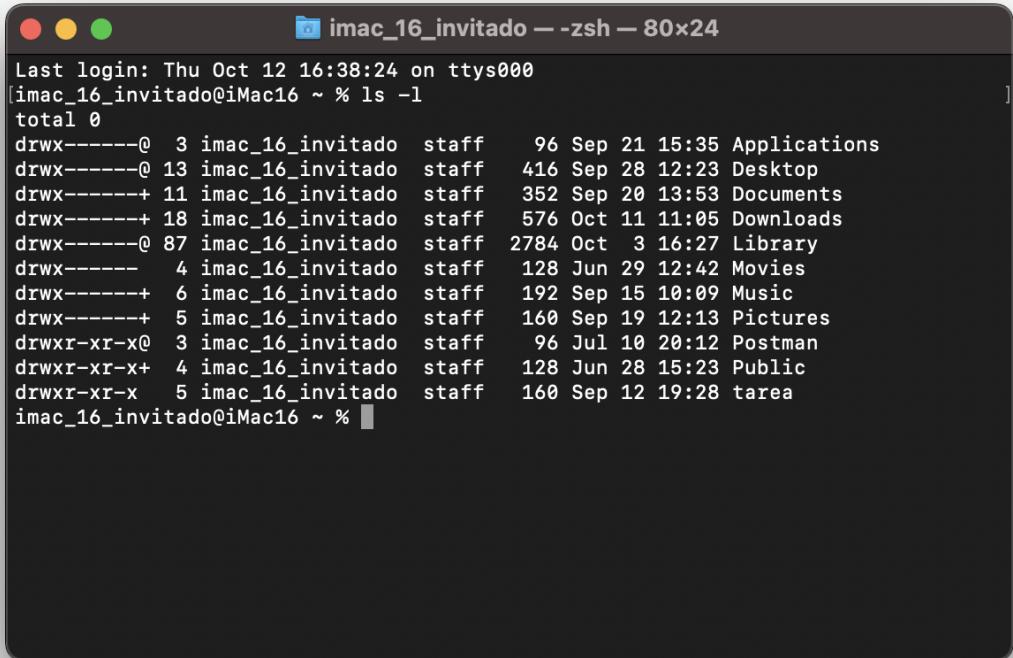
**ACTIVIDAD:** Tarea #988

**MAESTRO:** Ismael Jimenez Sanchez

**MATERIA:** Sistemas Operativos

Cancún Quintana Roo  
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- 1.- Asumir el prompt de superusuario (omitido)**
- 2.- Cambiar el password del superusuario (omitido)**
- 3.- Listar el directorio raíz (ls -l)**



```
Last login: Thu Oct 12 16:38:24 on ttys000
[imac_16_invitado@iMac16 ~ % ls -l
total 0
drwx-----@ 3 imac_16_invitado staff    96 Sep 21 15:35 Applications
drwx-----@ 13 imac_16_invitado staff   416 Sep 28 12:23 Desktop
drwx-----+ 11 imac_16_invitado staff   352 Sep 20 13:53 Documents
drwx-----+ 18 imac_16_invitado staff   576 Oct 11 11:05 Downloads
drwx-----@ 87 imac_16_invitado staff  2784 Oct  3 16:27 Library
drwx-----  4 imac_16_invitado staff   128 Jun 29 12:42 Movies
drwx-----+ 6 imac_16_invitado staff   192 Sep 15 10:09 Music
drwx-----+ 5 imac_16_invitado staff   160 Sep 19 12:13 Pictures
drwxr-xr-x@ 3 imac_16_invitado staff    96 Jul 10 20:12 Postman
drwxr-xr-x+ 4 imac_16_invitado staff   128 Jun 28 15:23 Public
drwxr-xr-x  5 imac_16_invitado staff   160 Sep 12 19:28 tarea
imac_16_invitado@iMac16 ~ %
```

- 4.- Cambiarse al directorio raíz (cd)**

```
[imac_16_invitado@iMac16 ~ % cd
[imac_16_invitado@iMac16 ~ % pwd
/Users/imac_16_invitado
imac_16_invitado@iMac16 ~ %
```

- 5.- Verificar el directorio actual (pwd)**

```
[imac_16_invitado@iMac16 ~ % cd
[imac_16_invitado@iMac16 ~ % pwd
/Users/imac_16_invitado
imac_16_invitado@iMac16 ~ %
```

## 6.- Crear un directorio “Prueba” en /home

```
[imac_16_invitado@iMac16 ~ % mkdir Prueba  
[imac_16_invitado@iMac16 ~ % ls  
Applications Downloads Music Prueba  
Desktop Library Pictures Public  
Documents Movies Postman tarea  
imac_16_invitado@iMac16 ~ % ]
```

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

```
[imac_16_invitado@iMac16 Prueba % touch test  
[imac_16_invitado@iMac16 Prueba % ls  
test  
imac_16_invitado@iMac16 Prueba % ]
```

## 8.- Verificar el usuario actual

```
[imac_16_invitado@iMac16 Prueba % last  
  
wtmp begins Thu Oct 12 17:24  
imac_16_invitado@iMac16 Prueba % ]
```

```
[imac_16_invitado@iMac16 Prueba % whoami  
imac_16_invitado  
imac_16_invitado@iMac16 Prueba % ]
```

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

```
[imac_16_invitado@iMac16 ~ % history
 25  ls -a
 26  cd Prueba
 27  cd Prueba.sh
 28  cd
 29  rmdir Prueba.sh
 30  cd
 31  mkdir Prueba
 32  ls
 33  cd Prueba
 34  touch Prueba.sh
 35  ls
 36  last
 37  whoami
 38  pwd
 39  cd
 40  cat ~/.bash_history
```

## 10.- Copiar el archivo “test” a /root

```
[imac_16_invitado@iMac16 Prueba % cp test /Users/imac_16_invitado
[imac_16_invitado@iMac16 Prueba % cd
[imac_16_invitado@iMac16 ~ % ls
Applications      Downloads      Music          Prueba        test
Desktop           Library       Pictures       Public
Documents         Movies        Postman       tarea
imac_16_invitado@iMac16 ~ %
```

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

```
[imac_16_invitado@iMac16 ~ % cd Prueba  
[imac_16_invitado@iMac16 Prueba % rm test  
[imac_16_invitado@iMac16 Prueba % ls  
imac_16_invitado@iMac16 Prueba % ]
```

## 12.- Mover /root/test a la raíz

## 13.- Hacer un ping a [www.google.com](http://www.google.com)

```
[imac_16_invitado@iMac16 Prueba % ping www.google.com  
PING www.google.com (142.250.189.132): 56 data bytes  
64 bytes from 142.250.189.132: icmp_seq=0 ttl=118 time=23.238 ms  
64 bytes from 142.250.189.132: icmp_seq=1 ttl=118 time=29.132 ms  
64 bytes from 142.250.189.132: icmp_seq=2 ttl=118 time=33.532 ms  
64 bytes from 142.250.189.132: icmp_seq=3 ttl=118 time=22.435 ms  
64 bytes from 142.250.189.132: icmp_seq=4 ttl=118 time=28.677 ms  
64 bytes from 142.250.189.132: icmp_seq=5 ttl=118 time=23.845 ms  
64 bytes from 142.250.189.132: icmp_seq=6 ttl=118 time=28.166 ms  
64 bytes from 142.250.189.132: icmp_seq=7 ttl=118 time=29.179 ms  
64 bytes from 142.250.189.132: icmp_seq=8 ttl=118 time=29.200 ms  
64 bytes from 142.250.189.132: icmp_seq=9 ttl=118 time=29.014 ms  
64 bytes from 142.250.189.132: icmp_seq=10 ttl=118 time=26.172 ms  
64 bytes from 142.250.189.132: icmp_seq=11 ttl=118 time=24.367 ms  
64 bytes from 142.250.189.132: icmp_seq=12 ttl=118 time=28.991 ms  
64 bytes from 142.250.189.132: icmp_seq=13 ttl=118 time=27.627 ms  
64 bytes from 142.250.189.132: icmp_seq=14 ttl=118 time=27.052 ms  
64 bytes from 142.250.189.132: icmp_seq=15 ttl=118 time=26.788 ms  
64 bytes from 142.250.189.132: icmp_seq=16 ttl=118 time=27.093 ms  
64 bytes from 142.250.189.132: icmp_seq=17 ttl=118 time=29.002 ms  
64 bytes from 142.250.189.132: icmp_seq=18 ttl=118 time=26.705 ms  
^C  
--- www.google.com ping statistics ---
```

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

```
imac_16_invitado@iMac16 Prueba % netstat -tuln
Active LOCAL (UNIX) domain sockets
Address      Type  Recv-Q Send-Q      Inode      Conn      Refs      Nextref Addr
e47af88ef19b6273 stream    0   0      0 e47af88ef19b61ab      0      0 /var/run/mDNSResponder
e47af88ef19b61ab stream    0   0      0 e47af88ef19b6273      0      0 /var/run/mDNSResponder
e47af88ef19b5913 stream    0   0      0 e47af88ef19b5913      0      0 /var/run/mDNSResponder
e47af88ef19b4333 stream    0   0      0 e47af88ef19b426b      0      0 /var/run/mDNSResponder
e47af88ef19b426b stream    0   0      0 e47af88ef19b4333      0      0 /var/folders/vw/kzf26n8566n0pskyn_c_hc1h000gp/T/.com.google.Chrome.tR0nM0/SingletonSocket
e47af88ef19b3f4b stream    0   0      0 e47af88ef4876ea3      0      0 /var/run/mDNSResponder
e47af88ef19b3d3b stream    0   0      0 e47af88ef19b3cf3      0      0 /var/run/mDNSResponder
e47af88ef19b3cf3 stream    0   0      0 e47af88ef19b3dbb      0      0
e47af88ef19b40db stream    0   0      0 e47af88ef19b4013      0      0 /var/run/mDNSResponder
e47af88ef19b4013 stream    0   0      0 e47af88ef19b40db      0      0
e47af88ef19b3843 stream    0   0      0 e47af88ef19b377b      0      0 /var/run/mDNSResponder
e47af88ef19b377b stream    0   0      0 e47af88ef19b3843      0      0
e47af88ef19b3603 stream    0   0      0 e47af88ef19b35eb      0      0 /var/run/mDNSResponder
e47af88ef19b35eb stream    0   0      0 e47af88ef19b36b3      0      0
e47af88ef19b3523 stream    0   0      0 e47af88ef19b345b      0      0 /var/run/mDNSResponder
e47af88ef19b345b stream    0   0      0 e47af88ef19b3523      0      0
e47af88ef19b3393 stream    0   0      0 e47af88ef19b32cb      0      0 /var/run/mDNSResponder
e47af88ef19b32cb stream    0   0      0 e47af88ef19b3393      0      0
e47af88ef19b3203 stream    0   0      0 e47af88ef19b313b      0      0 /var/run/mDNSResponder
e47af88ef19b313b stream    0   0      0 e47af88ef19b3283      0      0
e47af88ef19b3073 stream    0   0      0 e47af88ef19b2fab      0      0 /var/run/mDNSResponder
e47af88ef19b2fab stream    0   0      0 e47af88ef19b3073      0      0
e47af88ef19b2ee3 stream    0   0      0 e47af88ef19b2ee1b      0      0 /var/run/mDNSResponder
e47af88ef19b2ee1b stream    0   0      0 e47af88ef19b2ee3      0      0
e47af88ef19b2d53 stream    0   0      0 e47af88ef19b2c8b      0      0 /var/run/mDNSResponder
e47af88ef19b2c8b stream    0   0      0 e47af88ef19b2d53      0      0
e47af88ef19b2bc3 stream    0   0      0 e47af88ef19b2af      0      0 /var/run/mDNSResponder
e47af88ef19b2af stream    0   0      0 e47af88ef19b2bc3      0      0
e47af88ef19b2a33 stream    0   0      0 e47af88ef19b296b      0      0 /var/run/mDNSResponder
e47af88ef19b296b stream    0   0      0 e47af88ef19b2a33      0      0
e47af88ef19b28a3 stream    0   0      0 e47af88ef19b27db      0      0 /var/run/mDNSResponder
e47af88ef19b27db stream    0   0      0 e47af88ef19b28a3      0      0
e47af88ef19b264b stream    0   0      0 e47af88ef19b2583      0      0 /var/run/usbmuxd
e47af88ef19b2583 stream    0   0      0 e47af88ef19b264b      0      0
e47af88ef19b24bb stream    0   0      0 e47af88ef19b23f3      0      0 /var/run/usbmuxd
e47af88ef19b23f3 stream    0   0      0 e47af88ef19b24bb      0      0
e47af88ef19b232b stream    0   0      0 e47af88ef19b2263      0      0 /var/run/mDNSResponder
e47af88ef19b2263 stream    0   0      0 e47af88ef19b232b      0      0
e47af88ef19b219b stream    0   0      0 e47af88ef19b2083      0      0 /var/run/mDNSResponder
e47af88ef19b2083 stream    0   0      0 e47af88ef19b219b      0      0
e47af88ef19b1e7b stream    0   0      0 e47af88ef19b1db3      0      0 /var/run/mDNSResponder
e47af88ef19b1db3 stream    0   0      0 e47af88ef19b1e7b      0      0
e47af88ef19b0003 stream    0   0      0 e47af88ef19b1ceb      0      0 /var/run/usbmuxd
e47af88ef19b1ceb stream    0   0      0 e47af88ef19b0003      0      0
e47af88ef19b151b stream    0   0      0 e47af88ef19b151b      0      0 /var/run/mDNSResponder
e47af88ef19b151b stream    0   0      0 e47af88ef19b151b      0      0
e47af88ef19b1453 stream    0   0      0 e47af88ef19b0ef3      0      0 /var/run/mDNSResponder
e47af88ef19b0ef3 stream    0   0      0 e47af88ef19b1453      0      0
e47af88ef19b0643 stream    0   0      0 e47af88ef4337e1b      0      0 /var/run/filesystemui.socket
e47af88ef19b0643 stream    0   0      0 e47af88ef19b1453      0      0
e47af88ef19b1a93 stream    0   0      0 e47af88ef19b1c03      0      0 /private/tmp/com.apple.launchd.AZD0yyjzfe/Listeners
e47af88ef19b1c03 stream    0   0      0 e47af88ef19b1983      0      0 /var/run/mDNSResponder
e47af88ef19b1903 stream    0   0      0 e47af88ef19b19cb      0      0
e47af88ef19b19cb stream    0   0      0 e47af88ef19b12c3      0      0 /var/run/mDNSResponder
e47af88ef19b12c3 stream    0   0      0 e47af88ef19b138b      0      0
e47af88ef19aefc3 stream    0   0      0 e47af88ef3ed91b3      0      0 /var/run/pppconfd
e47af88ef19aefc3 stream    0   0      0 e47af88ef19aefc3      0      0
e47af88ef19aefc3 stream    0   0      0 e47af88ef19aefc3      0      0
e47af88ef19aef1b stream    0   0      0 e47af88ef19aef1b      0      0 /var/run/usbmuxd
e47af88ef19aef1b stream    0   0      0 e47af88ef19aef1b      0      0
e47af88ef19aef063 stream    0   0      0 e47af88ef3a255d3      0      0 /var/rpc/ncalrpc/srvsvc
e47af88ef19aef9b stream    0   0      0 e47af88ef3a256dd      0      0 /var/rpc/ncacn_np/srvsvc
e47af88ef19aeeed3 stream    0   0      0 e47af88ef3a257e3      0      0 /var/rpc/ncalrpc/wkssvc
e47af88ef19aeeeb stream    0   0      0 e47af88ef3a258eb      0      0 /var/rpc/ncacn_np/wkssvc
e47af88ef19aead43 stream    0   0      0 e47af88ef3a259f3      0      0 /var/rpc/ncacn_np/mdssvc
e47af88ef19aef7b stream    0   0      0 e47af88ef3a25fa0      0      0 /var/rpc/ncalrpc/lasrp
e47af88ef19aefeb3 stream    0   0      0 e47af88ef3a25c03      0      0 /var/rpc/ncacn_np/lasrp
e47af88ef19aaeab stream    0   0      0 e47af88ef3a25e13      0      0 /var/run/mDNSResponder
e47af88ef19aaeab stream    0   0      0 e47af88ef3a25f1      0      0 /var/run/systemkeychaincheck.socket
e47af88ef19ae95b stream    0   0      0 e47af88ef3a24b3      0      0 /private/var/run/.sim_diagnosticd_socket
e47af88ef19ae893 stream    0   0      0 e47af88ef3a24c8b      0      0 /var/run/portmap.socket
e47af88ef19ae7cb stream    0   0      0 e47af88ef3a24d93      0      0 /var/run/vnccontrol.sock
e47af88ef19ae7cb stream    0   0      0 e47af88ef3a24e9b      0      0 /var/rpc/ncalrpc/NETLOGON
e47af88ef19ae63b stream    0   0      0 e47af88ef3a251b3      0      0 /private/var/run/cupsd
unexpected kind 142 which 0x8e
e47af88ef19b3b63 dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b5aa3
e47af88ef19b5aa3 dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b56bb
e47af88ef19b56bb dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b552b
e47af88ef19b552b dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b5463
e47af88ef19b5463 dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b4fb3
e47af88ef19b4fb3 dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b4973
e47af88ef19b4973 dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b4d5b
e47af88ef19b4d5b dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b48ab
e47af88ef19b48ab dgram    0   0      0 e47af88ef19ae4ab      0 e47af88ef19b520b
```

## 15.- Usar el comando netstat

## 16.- Usar el comando top

Prueba — top — 80x23

Processes: 476 total, 3 running, 473 sleeping, 1885 threads 18:02:54  
Load Avg: 1.48, 1.47, 1.40 CPU usage: 1.32% user, 1.56% sys, 97.11% idle  
SharedLibs: 905M resident, 133M data, 68M linkedit.  
MemRegions: 93622 total, 2310M resident, 570M private, 1737M shared.  
PhysMem: 11G used (1127M wired, 0B compressor), 4440M unused.  
VM: 185T vsize, 4283M framework vsize, 0(0) swapins, 0(0) swapouts.  
Networks: packets: 238617/236M in, 78453/34M out.  
Disks: 215723/4624M read, 135796/1681M written.

| PID  | COMMAND      | %CPU | TIME     | #TH   | #WQ | #PORT | MEM    | PURG | CMPR | PGRP | PPID |
|------|--------------|------|----------|-------|-----|-------|--------|------|------|------|------|
| 151  | WindowServer | 6.6  | 07:34.81 | 19/1  | 6   | 1615  | 300M-  | 18M- | 0B   | 151  | 1    |
| 0    | kernel_task  | 4.3  | 03:56.03 | 469/8 | 0   | 0     | 2208K- | 0B   | 0B   | 0    | 0    |
| 1790 | top          | 3.7  | 00:02.36 | 1/1   | 0   | 29    | 7297K  | 0B   | 0B   | 1790 | 1731 |
| 1513 | Google Chrom | 1.5  | 03:01.12 | 18    | 1   | 299   | 249M   | 0B   | 0B   | 560  | 560  |
| 560  | Google Chrom | 1.3  | 01:46.49 | 44    | 1   | 738   | 167M   | 224K | 0B   | 560  | 1    |
| 583  | Google Chrom | 1.2  | 00:27.87 | 15    | 1   | 101   | 24M+   | 0B   | 0B   | 560  | 560  |
| 145  | bluetoothd   | 0.9  | 00:57.29 | 11    | 5   | 295   | 7937K  | 208K | 0B   | 145  | 1    |
| 1791 | screencaptur | 0.9  | 00:00.05 | 4     | 3   | 70    | 6273K+ | 80K  | 0B   | 400  | 400  |
| 582  | Google Chrom | 0.6  | 03:00.82 | 21    | 3   | 199   | 552M-  | 64M  | 0B   | 560  | 560  |
| 1359 | Terminal     | 0.4  | 00:33.54 | 6     | 1   | 257   | 39M    | 12M  | 0B   | 1359 | 1    |
| 189  | airportd     | 0.3  | 00:10.90 | 9     | 7   | 252+  | 7153K+ | 0B   | 0B   | 189  | 1    |
| 467  | Siri         | 0.2  | 00:04.22 | 3     | 1   | 159   | 8530K  | 0B   | 0B   | 467  | 1    |
| 148  | corebrightne | 0.1  | 00:14.12 | 4     | 3   | 120   | 3345K  | 0B   | 0B   | 148  | 1    |

## 17.- Usar el comando traceroute

```
imac_16_invitado@iMac16 Prueba % traceroute
Version 1.4a12+Darwin
Usage: traceroute [-adDeFIInrSvx] [-A as_server] [-f first_ttl] [-g gateway] [-i iface]
                  [-M first_ttl] [-m max_ttl] [-p port] [-P proto] [-q nqueries] [-s src_addr]
                  [-t tos] [-w waittime] [-z pausesecs] host [packetlen]
imac_16_invitado@iMac16 Prueba %
```

## 18.- Usar el comando nslookup

```
[imac_16_invitado@iMac16 ~ % nslookup
[> www.google.com
Server:          8.8.8.8
Address:         8.8.8.8#53

Non-authoritative answer:
Name:   www.google.com
Address: 142.250.189.132
>
```