

1. Asumir el prompt de superusuario: omitido
2. Cambiar el password de superusuario: omitido
3. Listar directorio raíz: ls -l

```

[imac_15_invitado@iMac-15 ~ % ls -l
total 0
drwx-----@ 3 imac_15_invitado  staff   96 Sep 26 11:07 Applications
drwx-----+ 6 imac_15_invitado  staff  192 Sep  8 07:32 Desktop
drwx-----@ 15 imac_15_invitado  staff  480 Oct 12 12:20 Documents
drwx-----+ 18 imac_15_invitado  staff  576 Oct 12 12:20 Downloads
drwx-----@ 87 imac_15_invitado  staff 2784 Sep 22 13:12 Library
drwx----- 4 imac_15_invitado  staff  128 Jun 29 12:41 Movies
drwx-----+ 6 imac_15_invitado  staff  192 Sep 19 12:24 Music
drwx-----+ 5 imac_15_invitado  staff  160 Sep 19 12:12 Pictures
drwxr-xr-x@ 3 imac_15_invitado  staff   96 Jul 10 17:18 Postman
drwxr-xr-x+ 4 imac_15_invitado  staff  128 Jun 28 15:35 Public
drwxr-xr-x@ 4 imac_15_invitado  staff  128 Sep  8 07:32 eclipse
drwxr-xr-x@ 3 imac_15_invitado  staff   96 Sep  8 07:33 eclipse-workspace
imac_15_invitado@iMac-15 ~ %

```

4. Cambiar al directorio raíz: cd

```

cd: no such file or directory: /
[imac_15_invitado@iMac-15 / % cd
[imac_15_invitado@iMac-15 ~ % pwd
/Users/imac_15_invitado
[imac_15_invitado@iMac-15 ~ %

```

5. Verificar el directorio actual

```

[imac_15_invitado@iMac-15 ~ % pwd
/Users/imac_15_invitado
[imac_15_invitado@iMac-15 ~ %

```

6. Crear un directorio "prueba" en /home

```

[imac_15_invitado@iMac-15 ~ % mkdir Prueba
[imac_15_invitado@iMac-15 ~ % ls
Applications      Library           Postman           eclipse-workspace
Desktop           Movies            Prueba
Documents         Music            Public
Downloads         Pictures         eclipse
[imac_15_invitado@iMac-15 ~ %

```

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

```

[imac_15_invitado@iMac-15 ~ % cd Prueba
[imac_15_invitado@iMac-15 Prueba % touch test
[imac_15_invitado@iMac-15 Prueba % ls
test
[imac_15_invitado@iMac-15 Prueba %

```

8. Verificar el usuario actual

```
imac_15_invitado@iMac-15 Prueba % whoami  
  
imac_15_invitado  
imac_15_invitado@iMac-15 Prueba %
```

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

```
imac_15_invitado@iMac-15 ~ % history  
37  ls  
38  rm prueba  
39  mkdir Prueba  
40  rmdir prueba  
41  ls  
42  mkdir Prueba  
43  ls  
44  cd Prueba  
45  touch test  
46  ls  
47  whoami\n  
48  cat ~/.bash_history\n  
49  less ~/.bash_history\n  
50  cat ~/.bash_history\n  
51  history  
52  cd  
imac_15_invitado@iMac-15 ~ %
```

10. Copiar el archivo "test" a /root

```
imac_15_invitado@iMac-15 prueba % cp test /Users/imac_15_invitado  
imac_15_invitado@iMac-15 prueba % cd  
imac_15_invitado@iMac-15 ~ % ls  
Applications      Library           Postman           eclipse-workspace  
Desktop            Movies            Prueba           test  
Documents          Music             Public  
Downloads          Pictures          eclipse  
imac_15_invitado@iMac-15 ~ %
```

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

```
imac_15_invitado@iMac-15 ~ % cd prueba
imac_15_invitado@iMac-15 prueba % rm test
imac_15_invitado@iMac-15 prueba % ls
imac_15_invitado@iMac-15 prueba %
```

12. Mover /root/test a la raíz

13. Hacer un ping a www.google.com

```
imac_15_invitado@iMac-15 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=21.594 ms
64 bytes from 142.250.189.132: icmp_seq=1 ttl=118 time=28.869 ms
64 bytes from 142.250.189.132: icmp_seq=2 ttl=118 time=28.139 ms
64 bytes from 142.250.189.132: icmp_seq=3 ttl=118 time=40.819 ms
64 bytes from 142.250.189.132: icmp_seq=4 ttl=118 time=29.363 ms
64 bytes from 142.250.189.132: icmp_seq=5 ttl=118 time=31.109 ms
64 bytes from 142.250.189.132: icmp_seq=6 ttl=118 time=31.279 ms
64 bytes from 142.250.189.132: icmp_seq=7 ttl=118 time=24.643 ms
64 bytes from 142.250.189.132: icmp_seq=8 ttl=118 time=31.049 ms
64 bytes from 142.250.189.132: icmp_seq=9 ttl=118 time=30.964 ms
64 bytes from 142.250.189.132: icmp_seq=10 ttl=118 time=29.002 ms
64 bytes from 142.250.189.132: icmp_seq=11 ttl=118 time=30.946 ms
64 bytes from 142.250.189.132: icmp_seq=12 ttl=118 time=28.840 ms
64 bytes from 142.250.189.132: icmp_seq=13 ttl=118 time=27.082 ms
64 bytes from 142.250.189.132: icmp_seq=14 ttl=118 time=26.938 ms
64 bytes from 142.250.189.132: icmp_seq=15 ttl=118 time=29.221 ms
64 bytes from 142.250.189.132: icmp_seq=16 ttl=118 time=27.266 ms
64 bytes from 142.250.189.132: icmp_seq=17 ttl=118 time=29.077 ms
64 bytes from 142.250.189.132: icmp_seq=18 ttl=118 time=22.998 ms
64 bytes from 142.250.189.132: icmp_seq=19 ttl=118 time=23.487 ms
64 bytes from 142.250.189.132: icmp_seq=20 ttl=118 time=22.020 ms
64 bytes from 142.250.189.132: icmp_seq=21 ttl=118 time=28.977 ms
64 bytes from 142.250.189.132: icmp_seq=22 ttl=118 time=30.450 ms
64 bytes from 142.250.189.132: icmp_seq=23 ttl=118 time=25.414 ms
64 bytes from 142.250.189.132: icmp_seq=24 ttl=118 time=24.628 ms
64 bytes from 142.250.189.132: icmp_seq=25 ttl=118 time=28.788 ms
64 bytes from 142.250.189.132: icmp_seq=26 ttl=118 time=29.749 ms
64 bytes from 142.250.189.132: icmp_seq=27 ttl=118 time=74.272 ms
```

14. Mostrar la configuración de red del servidor

```

imac15_invitado@iMac-15 ~ % netstat -tuln

Active LOCAL (UNIX) domain sockets
Address          Type    Recv-Q Send-Q           Inode           Conn           Refs           Nextref Addr
7240087d8446479b stream  0      0           0 7240087d844646d3           0           0 /var/run/mDNSRe
sponder
7240087d844646d3 stream  0      0           0 7240087d8446479b           0           0
7240087d84463e3b stream  0      0 72400873ebfb9913           0           0 /var/folders/y0
/f986bqh2c9s9dmlptzmkqsrh0000gp/T/.com.google.Chrome.U7jEMW/SingletonSocket
7240087d84463be3 stream  0      0           0 7240087d84463b1b           0           0 /var/run/mDNSRe
sponder
7240087d84463b1b stream  0      0           0 7240087d84463be3           0           0
7240087d8446334b stream  0      0           0 7240087d844630f3           0           0 /var/run/mDNSRe
sponder
7240087d844630f3 stream  0      0           0 7240087d8446334b           0           0
7240087d84463283 stream  0      0           0 7240087d844631bb           0           0 /var/run/mDNSRe
sponder
7240087d844631bb stream  0      0           0 7240087d84463283           0           0
7240087d84463413 stream  0      0           0 7240087d8446302b           0           0 /var/run/mDNSRe
sponder
7240087d8446302b stream  0      0           0 7240087d84463413           0           0
7240087d84462c43 stream  0      0           0 7240087d84462b7b           0           0 /var/run/mDNSRe
sponder
7240087d84462b7b stream  0      0           0 7240087d84462c43           0           0
7240087d84462ab3 stream  0      0           0 7240087d844629eb           0           0 /var/run/mDNSRe
sponder
7240087d844629eb stream  0      0           0 7240087d84462ab3           0           0
7240087d84462923 stream  0      0           0 7240087d8446285b           0           0 /var/run/mDNSRe
sponder
7240087d8446285b stream  0      0           0 7240087d84462923           0           0

```

15. Usar el comando netstat

[illegible]

16. Usar el comando top

```
Processes: 443 total, 2 running, 441 sleeping, 1760 threads
Load Avg: 1.25, 1.32, 1.36 CPU usage: 2.99% user, 2.63% sys, 94.37% idle
SharedLibs: 885M resident, 129M data, 63M linkedit.
MemRegions: 103522 total, 2347M resident, 528M private, 1483M shared.
PhysMem: 9790M used (1315M wired, 0B compressor), 5907M unused.
VM: 174T vsize, 4283M framework vsize, 0(0) swapins, 0(0) swapouts. Networks: packets: 88810/59M in, 43606/22M out.
Disks: 212515/3257M read, 99601/1660M written.
17:53:18
```

PID	COMMAND	%CPU	TIME	#TH	#WQ	#PORT	MEM	PURG	CMPR	PGRP	PPID	STATE	BOOSTS	%CPU_ME	%CPU_OTHRS
366	WindowServer	22.5	05:41.64	18	4	1586-	463M+	8512K-	0B	366	1	sleeping	*0[1]	0.05992	0.16152
0	kernel_task	6.5	03:05.03	471/8	0	0	8896K	0B	0B	0	0	running	0[0]	0.00000	0.00000
1258	screencaptur	6.1	00:00.51	3	2	65	7938K+	752K	0B	568	568	sleeping	*0[404+]	0.20818	0.00000
1257	top	4.2	00:01.96	1/1	0	29	4913K	0B	0B	1257	1233	running	*0[1]	0.00000	0.00000
358	bluetoothd	2.5	00:48.93	10	4	290	8465K	208K	0B	358	1	sleeping	*0[1]	0.26090	0.00000
933	Google Chrom	0.7	01:43.03	23	3	217	352M	68M	0B	921	921	sleeping	*1[2]	0.00000	0.00000
1259	screencaptur	0.7	00:00.11	3	1	147	7618K	0B	0B	1259	1	sleeping	*0[290+]	0.00000	0.20818
846	Terminal	0.7	00:31.51	6	1	269	49M	33M	0B	846	1	sleeping	*0[433]	0.00944	0.00000
921	Google Chrom	0.5	01:54.00	44	1	705	153M	160K	0B	921	1	sleeping	*0[491]	0.00000	0.00000
934	Google Chrom	0.2	00:20.22	16	1	109	27M-	0B	0B	921	921	sleeping	*0[3]	0.00000	0.00000
298	logd	0.2	00:07.23	4	3	1387	10M	0B	0B	298	1	sleeping	*0[1]	0.00000	0.00000
361	corebrightne	0.1	00:08.80	6	5	116	3201K	0B	0B	361	1	sleeping	*0[1]	0.15208	0.00000
344	locationd	0.1	00:06.94	6	4	235	7137K	224K	0B	344	1	sleeping	*0[2241+]	0.00000	0.10326
995	Google Chrom	0.1	03:00.98	18	1	314	226M	0B	0B	921	921	sleeping	*0[7]	0.00000	0.00000
633	sharingd	0.1	00:05.10	5	1	285	9713K	0B	0B	633	1	sleeping	*0[1]	0.00000	0.03706
311	powerd	0.1	00:02.74	3	2	119	3137K	0B	0B	311	1	sleeping	*0[1]	0.00000	0.05992
500	searchpartyd	0.1	00:05.22	7	5	106	6273K+	96K	0B	500	1	sleeping	*0[1774+]	0.00000	0.08408
451	audioclocksy	0.1	00:04.39	4	3	59	4353K	0B	0B	451	1	sleeping	*0[1]	0.00000	0.00000
705	nearbyd	0.0	00:02.22	5	3	73	4385K	0B	0B	705	1	sleeping	*0[3920+]	0.00000	0.04227
408	coreaudioid	0.0	00:10.31	8	2	439	35M	0B	0B	408	1	sleeping	*0[1]	0.00000	0.03193
400	airportd	0.0	00:08.51	9	7	262	7025K	0B	0B	400	1	sleeping	*50[1]	0.00000	0.00000
351	PerfPowerSer	0.0	00:09.28	4	2	305	8193K	320K	0B	351	1	sleeping	*0[49]	0.00000	0.00000
996	Google Chrom	0.0	00:00.61	10	1	153	18M	0B	0B	921	921	sleeping	*0[6]	0.00000	0.00000
619	heard	0.0	00:01.45	4	3	108	5153K	0B	0B	619	1	sleeping	*0[1]	0.00000	0.00000
335	thermalmonit	0.0	00:02.56	3	2	46	2033K	0B	0B	335	1	sleeping	*0[1]	0.00000	0.00000
371	contextstore	0.0	00:00.92	3	2	123+	4993K+	144K	0B	371	1	sleeping	*0[248]	0.00000	0.00000
559	universalacc	0.0	00:00.37	3	1	179-	7329K-	0B	0B	559	1	sleeping	*1[20]	0.00000	0.00000
468	symptomsd	0.0	00:00.87	2	1	86-	4593K-	144K	0B	468	1	sleeping	*0[12]	0.00000	0.00000
302	uninstallld	0.0	00:00.17	2	1	26-	1505K-	0B	0B	302	1	sleeping	*0[1]	0.00000	0.00000
401	trustd	0.0	00:03.41	2	1	108+	4401K+	816K	0B	401	1	sleeping	*0[673]	0.00000	0.00000
502	applehl3came	0.0	00:00.37	5	2	93	3425K	0B	0B	502	1	sleeping	*0[1]	0.00000	0.00000
1027	searchpartyu	0.0	00:00.74	7	6	144	6849K	32K	0B	1027	1	sleeping	*0[16]	0.00000	0.00000

17. Usar el comando traceroute

```
imac_15_invitado@iMac-15 ~ % 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_15_invitado@iMac-15 ~ %
```

18. Usar el comando nslookup

```
imac_15_invitado@iMac-15 ~ % 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
>
zsh: suspended nslookup
imac_15_invitado@iMac-15 ~ %
```