Trabajo Práctico 8 - Sistemas Operativos

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1.

```
cut -d: -f1 /etc/passwd > linux-users.txt
cut -d: -f1 /etc/group > linux-groups.txt
```

```
root@MAXIMO-PC:/home# cut -d: -f1 /etc/passwd > linux-users.txt
root@MAXIMO-PC:/home# cut -d: -f1 /etc/group > linux-groups.txt
```

2.

```
diff linux-users.txt /etc/passwd
```

```
root@MAXIMO-PC:/home# diff linux-users.txt /etc/passwd
1,27c1,27
< root
< daemon
< bin
< sys
< sync
< games
< man
< lp
< mail
< news
< uucp
< proxy
< www-data
< backup
< list
< irc
< gnats
< nobody
< systemd-network
< systemd-resolve
< messagebus
< systemd-timesync
< syslog
< _apt
< uuidd
< tcpdump
< maxilr
---
> root:x:0:0:root:/root:/bin/bash
> daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
> bin:x:2:2:bin:/bin:/usr/sbin/nologin
> sys:x:3:3:sys:/dev:/usr/sbin/nologin
> sync:x:4:65534:sync:/bin:/bin/sync
> games:x:5:60:games:/usr/games:/usr/sbin/nologin
> man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
> lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
> mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
> news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
> uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
> proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
> www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
> backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
> list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
> irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
```

```
diff linux-groups.txt /etc/group
```

```
root@MAXIMO-PC:/home# diff linux-groups.txt /etc/group
1,57c1,57
< root
< daemon
< bin
< sys
< adm
< tty
< disk
< lp
< mail
< news
< uucp
< man
< proxy
< kmem
< dialout
< fax
< voice
< cdrom
< floppy
< tape
< sudo
< audio
< dip
< www-data
< backup
< operator
< list
< irc
< src
< gnats
< shadow
< utmp
```

3.

```
echo -e
"useradd\nusermod\nuserdel\ngroupadd\ngroupmod\ngroupdel\nchmod\nchown\nchgrp" >
~/comandos-03.txt
```

```
root@MAXIMO-PC:/home# echo -e "useradd\nusermod\nuserdel\ngroupadd\ngroupmod\ngroupdel\nchmod\nchown\nchgrp" > comandos-03.txt
```

4.

```
sudo mv comandos-03.txt /etc/skel/
```

```
root@MAXIMO-PC:/home# sudo mv comandos-03.txt /etc/skel/
```

5.

```
sudo useradd -c "John Doe" -m jd
```

```
root@MAXIMO-PC:/home# sudo useradd -c "John Doe" -m jd
```

```
echo jd:j1d3 | sudo chpasswd
```

```
root@MAXIMO-PC:/home# echo jd:j1d3 | sudo chpasswd
```

6.

```
sudo groupadd students
```

```
root@MAXIMO-PC:/home# sudo groupadd students
```

7.

```
id
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ id
uid=1000(maxilr) gid=1000(maxilr) groups=1000(maxilr),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),116(netdev),1001(docker)
```

```
grep "$USER" /etc/passwd
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ grep "$USER" /etc/passwd
maxilr:x:1000:1000:,,,:/home/maxilr:/bin/bash
```

```
sudo usermod -c "Maximo Lucero Ruiz" $USER
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ sudo usermod -c "Maximo Lucero Ruiz" $USER
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ grep "$USER" /etc/passwd
maxilr:x:1000:1000:Maximo Lucero Ruiz:/home/maxilr:/bin/bash
```

8.

```
sudo usermod -aG students $USER
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ sudo usermod -aG students $USER
```

```
sudo usermod -aG students jd
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ sudo usermod -aG students jd
```

9.

```
sudo usermod -u 1111 jd
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ sudo usermod -u 1111 jd
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ grep 1111 /etc/passwd
jd:x:1111:1002:John Doe:/home/jd:/bin/sh
```

10.

```
sudo usermod -s /bin/bash maxilr
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ sudo usermod -s /bin/bash maxilr
usermod: no changes
```

```
sudo usermod -s /bin/bash jd
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ sudo usermod -s /bin/bash jd
```

11.

```
whoami
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ whoami
maxilr
```

```
su - jd
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR$ su - jd
Password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.133.1-microsoft-standard-WSL2 x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

This message is shown once a day. To disable it please create the
/home/jd/.hushlogin file.
jd@MAXIMO-PC:~$
```

12.

```
ls -l /home/
```

```
jd@MAXIMO-PC:~$ ls -l /home/
total 48
-rw-r--r-- 1 root    root      38 Mar 27 21:09 alumnos.txt
-rw-r--r-- 1 root    root      90 Mar 27 21:10 alumnos_direcciones.txt
-rw-r--r-- 1 root    root      30 Mar 27 21:06 amigos.txt
-rw-r--r-- 1 root    root     951 Mar 27 11:28 base.txt
-rw-r--r-- 1 root    root      62 Mar 27 21:10 direcciones.txt
drwxr-x--- 2 jd      jd      4096 Mar 27 21:37 jd
-rw-r--r-- 1 root    root     376 Mar 27 21:16 linux-groups.txt
-rw-r--r-- 1 root    root     190 Mar 27 21:16 linux-users.txt
drwxr-x--- 5 maxilr  maxilr  4096 Mar 27 12:06 maxilr
-rw-r--r-- 1 root    root      51 Mar 27 11:46 numeros.bak
-rw-r--r-- 1 root    root     439 Mar 27 11:52 numeros.tar
-rw-r--r-- 1 root    root      90 Mar 27 11:49 numeros.txt
```

```
ls /etc/skel/
```

```
jd@MAXIMO-PC:~$ ls /etc/skel/
comandos-03.txt
```