

Trabajo Práctico 5 - Sistemas Operativos

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1.

```
find . -type f | head -n 10
```

```
maxilr@MAXIMO-PC:/$ find . -iname "*.png" | head -n 5
find: './tmp/snap-private-tmp': Permission denied
find: './tmp/systemd-private-5f36b14c073944b88b8a11e7760293e8-systemd-resolved.service-StXlCM': Permission denied
find: './tmp/systemd-private-5f36b14c073944b88b8a11e7760293e8-systemd-logind.service-mQ0eJL': Permission denied
find: './mnt/d/$RECYCLE.BIN/S-1-5-21-2889848865-384058055-1224199344-1001': Permission denied
find: './mnt/d/System Volume Information': Permission denied
find: './mnt/wslg/run/user/1000/systemd/inaccessible/dir': Permission denied
find: File system loop detected; './mnt/wslg/distro' is part of the same file system loop as '.'.
./mnt/wslg/doc/dbus-1.15.2/diagram.png
./mnt/wslg/doc/libxml2/tutorial/images/blank.png
./mnt/wslg/doc/libxml2/tutorial/images/callouts/1.png
./mnt/wslg/doc/libxml2/tutorial/images/callouts/10.png
./mnt/wslg/doc/libxml2/tutorial/images/callouts/2.png
find: './mnt/c/$Recycle.Bin/S-1-5-18': Permission denied
find: './mnt/c/$Recycle.Bin/S-1-5-21-2889848865-384058055-1224199344-1001': Permission denied
```

2.

```
cp /mnt/wslg/doc/dbus-1.15.2/diagram.png
/mnt/wslg/doc/libxml2/tutorial/images/blank.png
/mnt/wslg/doc/libxml2/tutorial/images/callouts/1.png
/mnt/wslg/doc/libxml2/tutorial/images/callouts/10.png
/mnt/wslg/doc/libxml2/tutorial/images/callouts/2.png
tu_user/Universidad/2do/Mat-21/
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP$ cp /mnt/wslg/doc/dbus-1.15.2/diagram.png /mnt/wslg/doc/libxml2/tutorial/images/blank.png /mnt/wslg/doc/libxml2/tutorial/images/callouts/1.png /mnt/wslg/doc/libxml2/tutorial/images/callouts/10.png /mnt/wslg/doc/libxml2/tutorial/images/callouts/2.png tu_user/Universidad/2do/Mat-21/
```

3.

```
find / -iname "*.txt" | head -n 5
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP$ find / -iname "*.txt" | head -n 5
find: '/tmp/snap-private-tmp': Permission denied
find: '/tmp/systemd-private-5f36b14c073944b88b8a11e7760293e8-systemd-resolved.service-StXlCM': Permission denied
find: '/tmp/systemd-private-5f36b14c073944b88b8a11e7760293e8-systemd-logind.service-mQ0eJL': Permission denied
find: './mnt/d/$RECYCLE.BIN/S-1-5-21-2889848865-384058055-1224199344-1001': Permission denied
find: './mnt/d/System Volume Information': Permission denied
find: './mnt/wslg/run/user/1000/systemd/inaccessible/dir': Permission denied
find: File system loop detected; './mnt/wslg/distro' is part of the same file system loop as '/'.
/mnt/wslg/doc/dbus-1.15.2/system-activation.txt
/mnt/wslg/doc/fontconfig-2.13.95/fontconfig-devel.txt
/mnt/wslg/doc/fontconfig-2.13.95/fontconfig-user.txt
/mnt/wslg/doc/libjpeg-turbo/example.txt
/mnt/wslg/doc/libjpeg-turbo/libjpeg.txt
find: './mnt/c/$Recycle.Bin/S-1-5-18': Permission denied
find: './mnt/c/$Recycle.Bin/S-1-5-21-2889848865-384058055-1224199344-1001': Permission denied
```

4.

```
cp /mnt/wslg/doc/dbus-1.15.2/system-activation.txt
/mnt/wslg/doc/fontconfig-2.13.95/fontconfig-devel.txt
/mnt/wslg/doc/fontconfig-2.13.95/fontconfig-user.txt
/mnt/wslg/doc/libjpeg-turbo/example.txt /mnt/wslg/doc/libjpeg-turbo/libjpeg.txt
tu_user/Universidad/2do/Mat-22/
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP$ cp /mnt/wslg/doc/dbus-1.15.2/system-activation.txt /mnt/wslg/doc/fontconfig-2.13.95/fontconfig-devel.txt /mnt/wslg/doc/fontconfig-2.13.95/fontconfig-user.txt /mnt/wslg/doc/libjpeg-turbo/example.txt /mnt/wslg/doc/libjpeg-turbo/libjpeg.txt tu_user/Universidad/2do/Mat-22/
```

5.

```
ls -lSr tu_user/Universidad/2do/Mat-22/
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP$ ls -lSr tu_user/Universidad/2do/Mat-22/
total 380
-rwxrwxrwx 1 maxilr maxilr 1 Mar 14 15:52 1.txt
-rwxrwxrwx 1 maxilr maxilr 3175 Mar 27 10:18 system-activation.txt
-rwxrwxrwx 1 maxilr maxilr 18699 Mar 27 10:18 example.txt
-rwxrwxrwx 1 maxilr maxilr 36272 Mar 27 10:18 fontconfig-user.txt
-rwxrwxrwx 1 maxilr maxilr 152327 Mar 27 10:18 fontconfig-devel.txt
-rwxrwxrwx 1 maxilr maxilr 170109 Mar 27 10:18 libjpeg.txt
```

```
ls -lSr tu_user/Universidad/2do/Mat-22/ | head -n 3
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP$ ls -lSr tu_user/Universidad/2do/Mat-22/ | head -n 3
total 380
-rwxrwxrwx 1 maxilr maxilr 1 Mar 14 15:52 1.txt
-rwxrwxrwx 1 maxilr maxilr 3175 Mar 27 10:18 system-activation.txt
```

```
rm <FILENAME>
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user/Universidad/2do/Mat-22$ rm example.txt
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user/Universidad/2do/Mat-22$ rm fontconfig-user.txt
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user/Universidad/2do/Mat-22$ rm fontconfig-devel.txt
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user/Universidad/2do/Mat-22$ rm libjpeg.txt
```

6.

```
diff -y 1.txt system-activation.txt
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user/Universidad/2do/Mat-22$ diff -y 1.txt system-activation.txt
> D-BUS System Activation
>
> Introduction:
>
> The dbus-daemon runs as the dbus user, and is therefore unpri
> Earlier attempts [1] by David Zeuthen at launching system ser
> custom DBUS protocol were reviewed, but deemed too difficult
> also due to a multi-threaded design, too difficult to test.
> In the next few paragraphs I will outline a simpler setuid ap
> launching daemons as a configured user.
>
> Scope:
>
> Launching programs using dbus has been a topic of interest fo
> This would allow simple systems to only start services that a
> and that are automatically started only when first requested.
> This removes the need for an init system, and means that we c
> startup services in parallel.
> This has immediate pressing need for OLPC, with a longer term
> perhaps Fedora and RHEL.
>
> Details:
>
> Setuid applications have to used only when absolutely necessa
> In this implementation I have an single executable,
> dbus-daemon-launch-helper, with the ownership root:dbus.
> This has the permissions 4750, i.e. u+rwx g+rx +setuid.
> It is located in /usr/libexec/ and thus is not designed to be
> user directly.
>
> The helper must not be passed input that can be changed malic
> therefore passing a random path with user id is totally out o
> In this implementation a similar idea as discussed with David
> taken, that to pass a single name argument to the helper.
> The service filename of "org.me.test.service" is then searche
> /usr/share/dbus-1/system-services or other specified director
```

Nota: "1.txt" está vacío

7.

```
mv system-activation.txt ../../3er/Mat-31
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user/Universidad/2do/Mat-22$ mv system-activation.txt ../../3er/Mat-31
```

8.

```
file ../../3er/Mat-31/system-activation.txt
```

```
max11r@MAXIMO-PC: /mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user/Universidad/2do/Mat-22$  
file ../../3er/Mat-31/system-activation.txt  
../../3er/Mat-31/system-activation.txt: ASCII text
```

9.

```
tree -d
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user/Universidad/2do/Mat-22$  
tree ../../../../-d  
./  
├── Users  
│   ├── Laboral  
│   │   ├── Express  
│   │   └── Proyectos  
│   ├── Personal  
│   │   ├── Familia  
│   │   └── Info  
│   └── Universidad  
│       ├── 1er  
│       │   ├── Mat-11  
│       │   ├── Mat-12  
│       │   └── Mat-13  
│       ├── 2do  
│       │   ├── Mat-21  
│       │   ├── Mat-22  
│       │   └── Mat-23  
│       ├── 3er  
│       │   ├── Mat-31  
│       │   └── Mat-32  
│       └── Vacaciones  
└──
```

10.

```
zip -r Universidad.zip Universidad/
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user$ zip -r Universidad.zip  
Universidad/  
  adding: Universidad/ (stored 0%)  
  adding: Universidad/1er/ (stored 0%)  
  adding: Universidad/1er/Mat-11/ (stored 0%)  
  adding: Universidad/1er/Mat-11/1.txt (stored 0%)  
  adding: Universidad/1er/Mat-11/2.txt (stored 0%)  
  adding: Universidad/1er/Mat-11/3.txt (stored 0%)  
  adding: Universidad/1er/Mat-12/ (stored 0%)  
  adding: Universidad/2do/ (stored 0%)  
  adding: Universidad/2do/Mat-21/ (stored 0%)  
  adding: Universidad/2do/Mat-21/1.png (deflated 4%)  
  adding: Universidad/2do/Mat-21/10.png (deflated 3%)  
  adding: Universidad/2do/Mat-21/2.png (deflated 3%)  
  adding: Universidad/2do/Mat-21/2.txt (stored 0%)  
  adding: Universidad/2do/Mat-21/3.txt (stored 0%)  
  adding: Universidad/2do/Mat-21/blank.png (deflated 67%)  
  adding: Universidad/2do/Mat-21/diagram.png (deflated 2%)  
  adding: Universidad/2do/Mat-22/ (stored 0%)  
  adding: Universidad/2do/Mat-22/1.txt (stored 0%)  
  adding: Universidad/3er/ (stored 0%)  
  adding: Universidad/3er/Mat-31/ (stored 0%)  
  adding: Universidad/3er/Mat-31/system-activation.txt (deflated 53%)  
  adding: Universidad/3er/Mat-32/ (stored 0%)
```

11.

```
mv Universidad.zip Personal/
```

```
maxilr@MAXIMO-PC:/mnt/c/Users/MaximoLR/OneDrive/UCC/4º Año/Sistemas Operativos/InitialTP/tu_user$ mv Universidad.zip Per  
sonal/
```