Actividad A5 – GONZALO OSCO HERNANDEZ

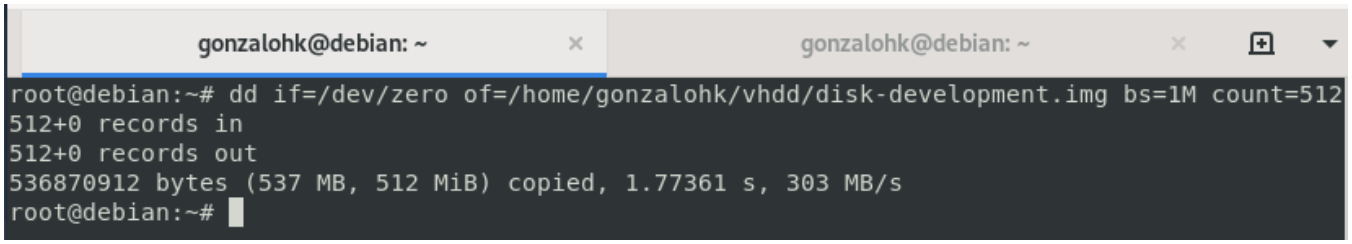
Crear un disco virtual de 1Gb y asociarlo a una VM.

Asociar un disco en frio y en caliente.

Creación del disco duro

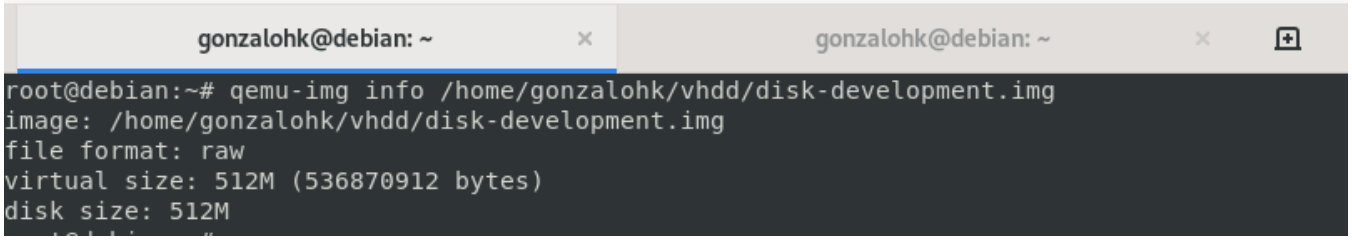
Para el ejemplo crearemos un pequeño disco duro de 512mb con el siguiente comando.

```
root@debian:~# dd if=/dev/zero of=/home/gonzalohk/vhdd/disk-development.img bs=1M count=512
```



Verificamos y obtenemos la información del disco.

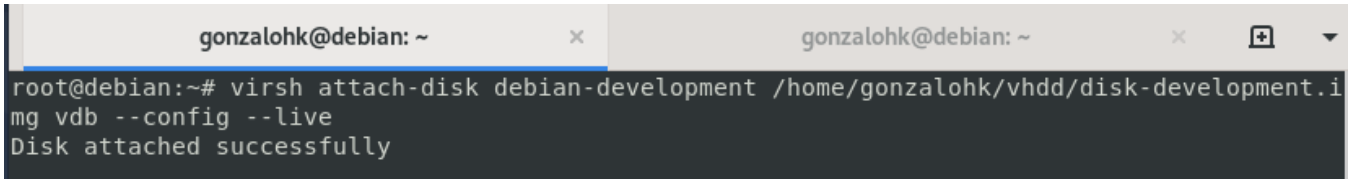
```
qemu-img info /home/gonzalohk/vhdd/disk-development.img
```

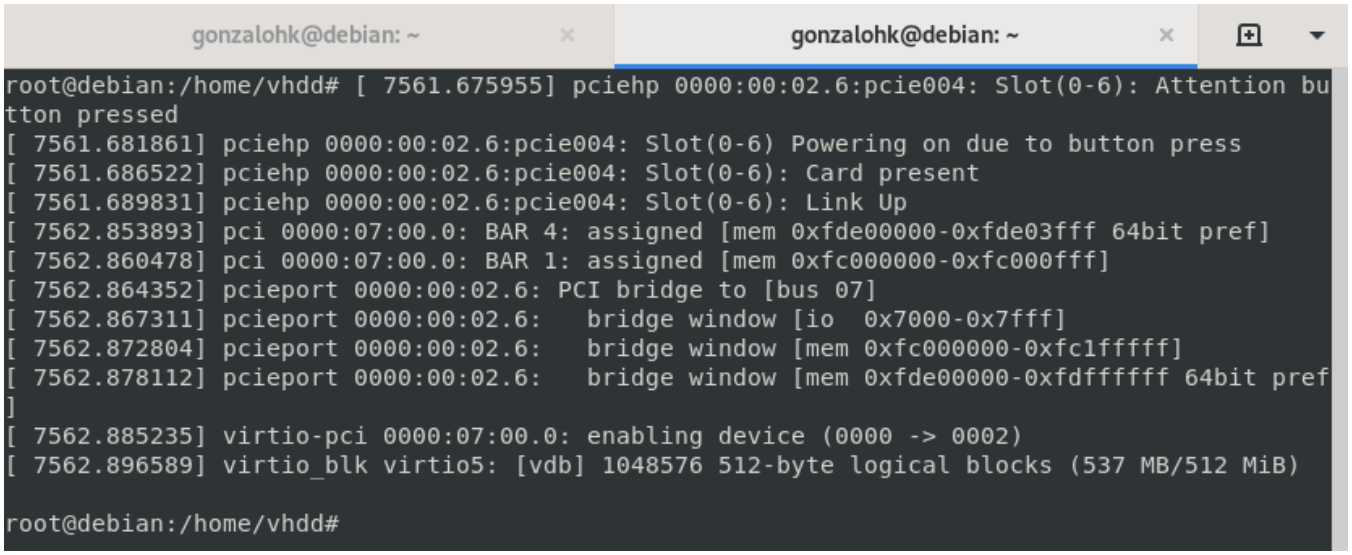


Acople

Posterior a ello, acoplamos el nuevo disco duro a la máquina virtual denominada debían-development

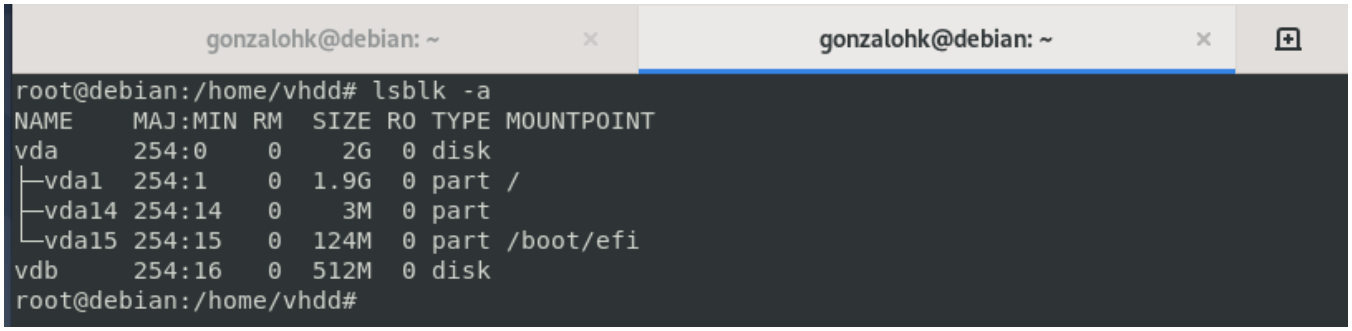
```
root@debian:~# virsh attach-disk debian-development /home/gonzalohk/vhdd/disk-development.img vdb --config --live
```





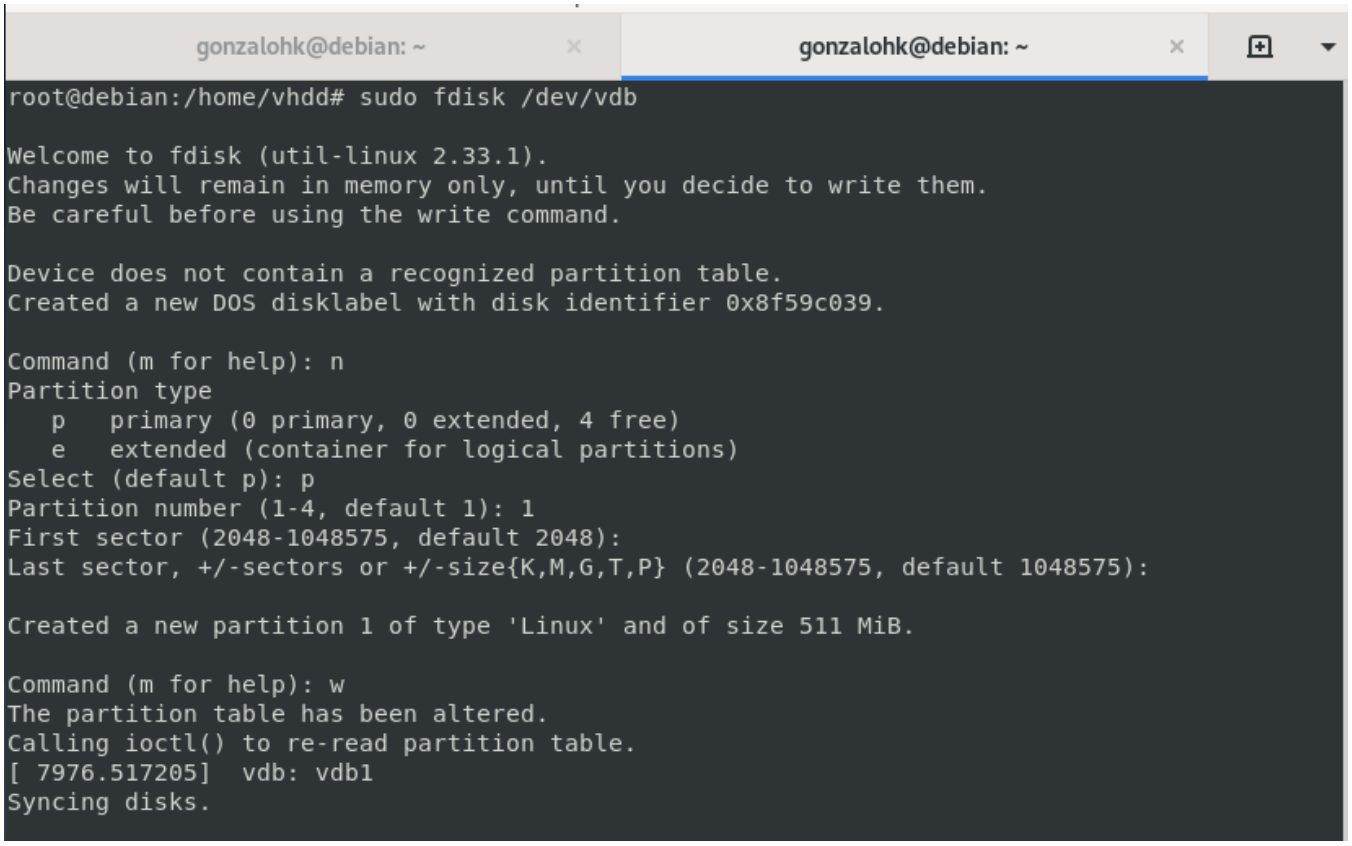
Verficamos el nuevo disco duro en la maquina virtual debian-development

```
root@debian:/home/vhdd# lsblk -a
```



Particionamos

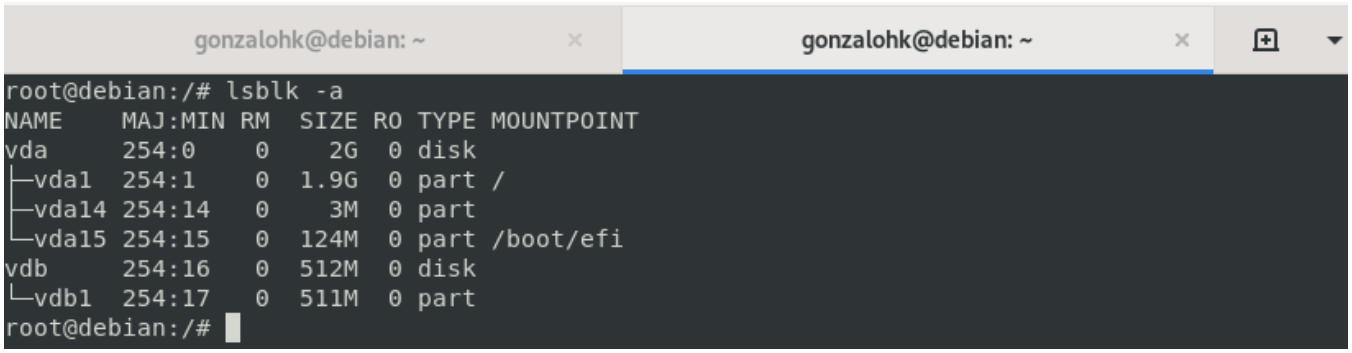
```
root@debian:/home/vhdd# fdisk /dev/vdb
```



El acople fue satisfactoria.

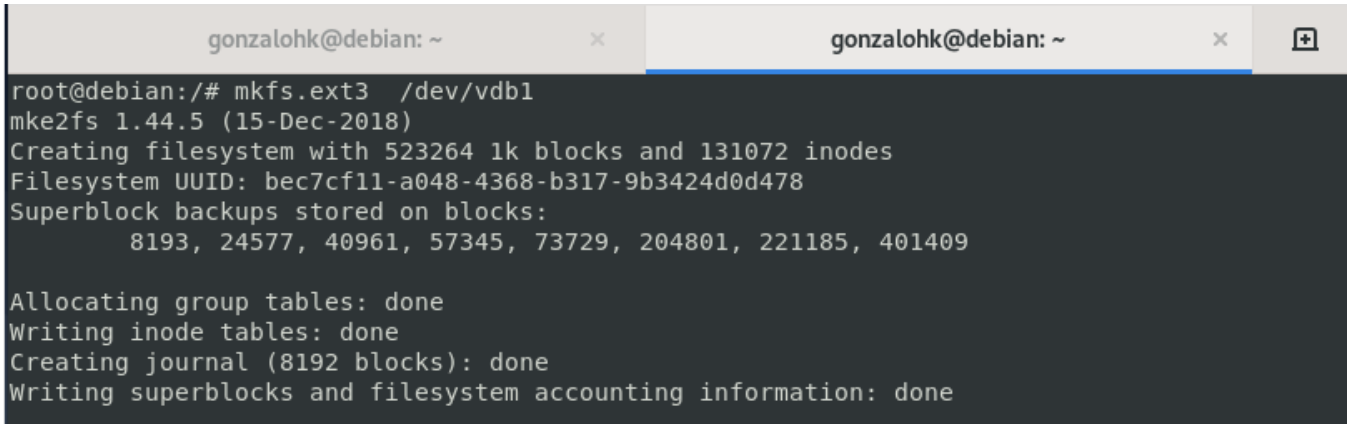
Sin embargo, aun debemos particionar el disco duro.

```
root@debian:/# lsblk -a
```



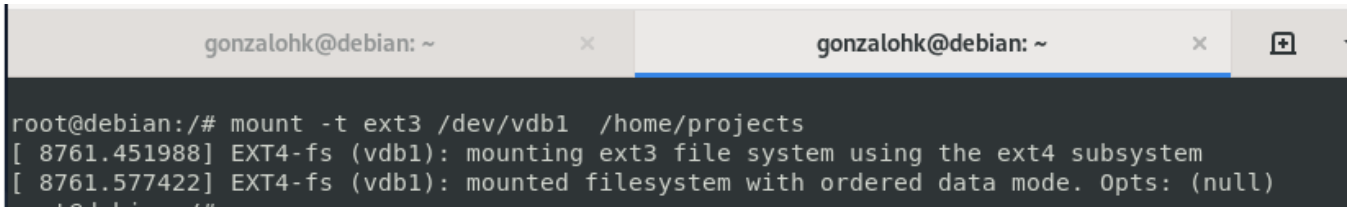
Formateamos

```
root@debian:/# mkfs.ext3  /dev/vdb1
```

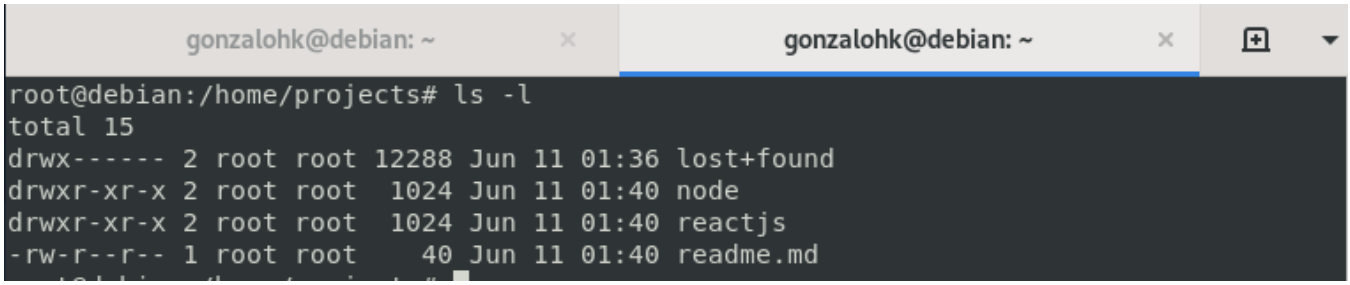


Montamos.

```
root@debian:/# mount -t ext3 /dev/vdb1  /home/projects
```



Creamos archivos y carpetas para verificar el correcto funcionamiento.



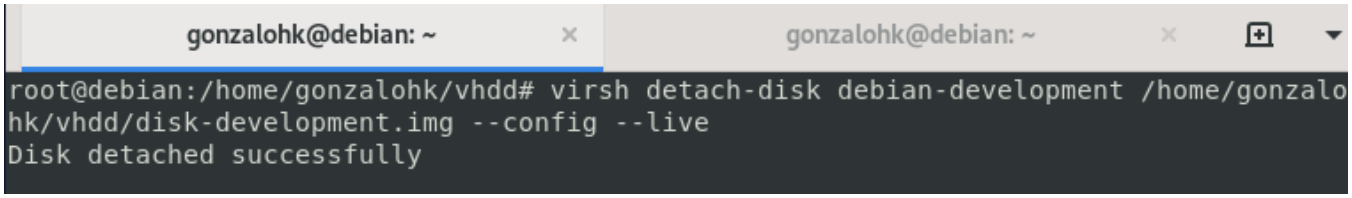
Desmontamos.

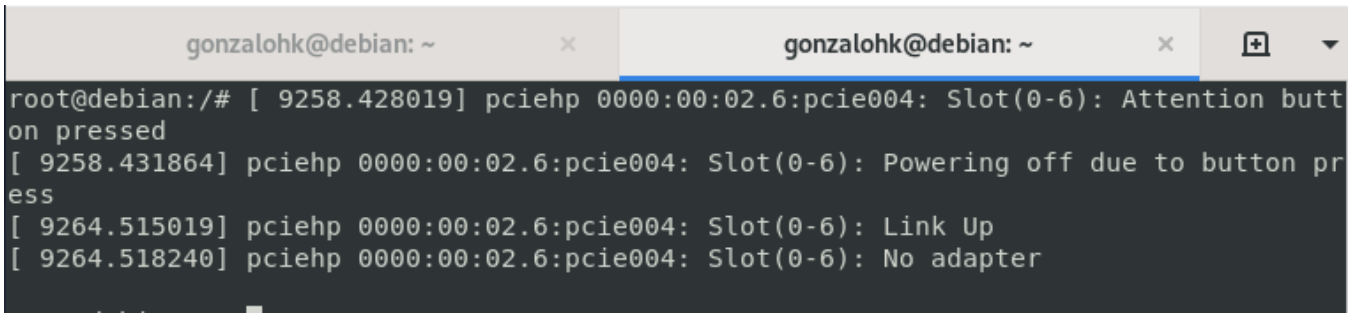
```
root@debian:/# umount /dev/vdb1
```

Desacople

Posterior a ello, desacoplamos el disco duro de la maquina *debían-development*

```
root@debian:/home/gonzalohk/vhdd# virsh detach-disk debian-development
/home/gonzalohk/vhdd/disk-development.img --config --live
```

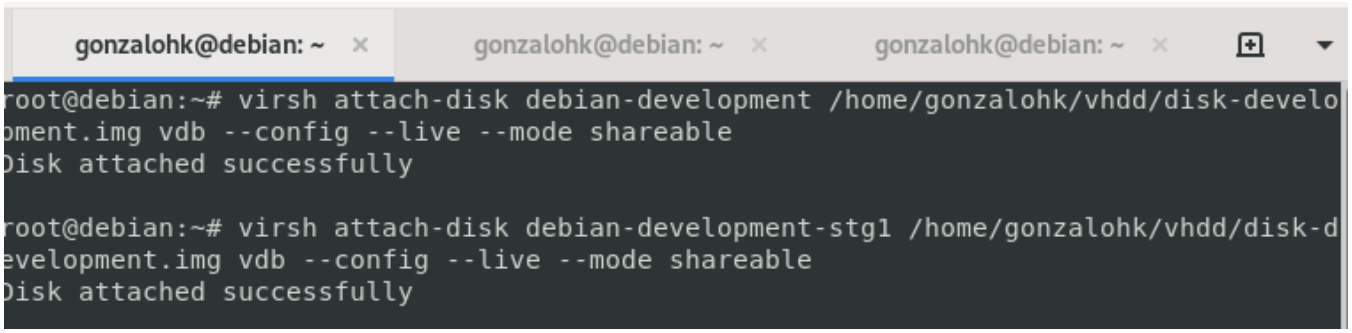




EXTRA - Acople a dos máquinas virtuales (*debian-development y debian-development-stg1***)**

Para el acople a dos máquinas virtuales distintas adicionamos el parámetro **–mode shareable**

```
root@debian:~# virsh attach-disk debian-development-stg1 /home/gonzalohk/vhdd/disk-development.img vdb --config --live --mode shareable
```

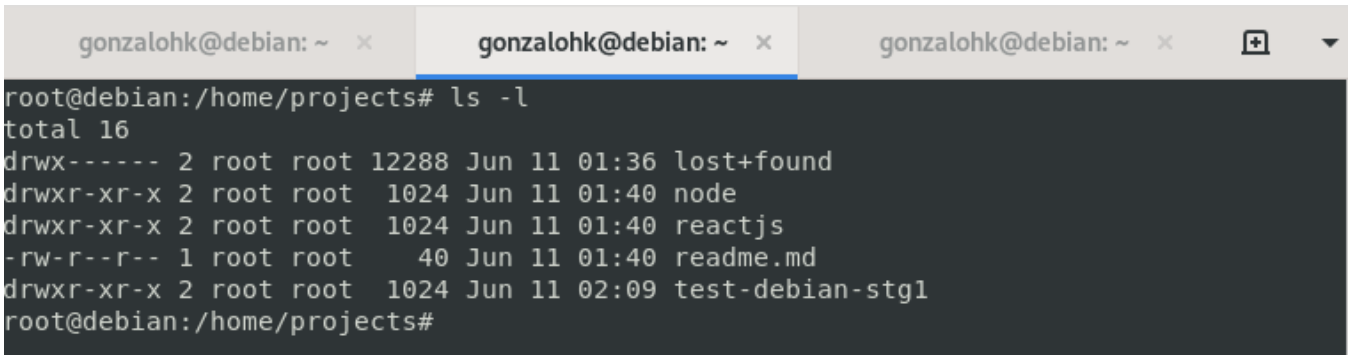


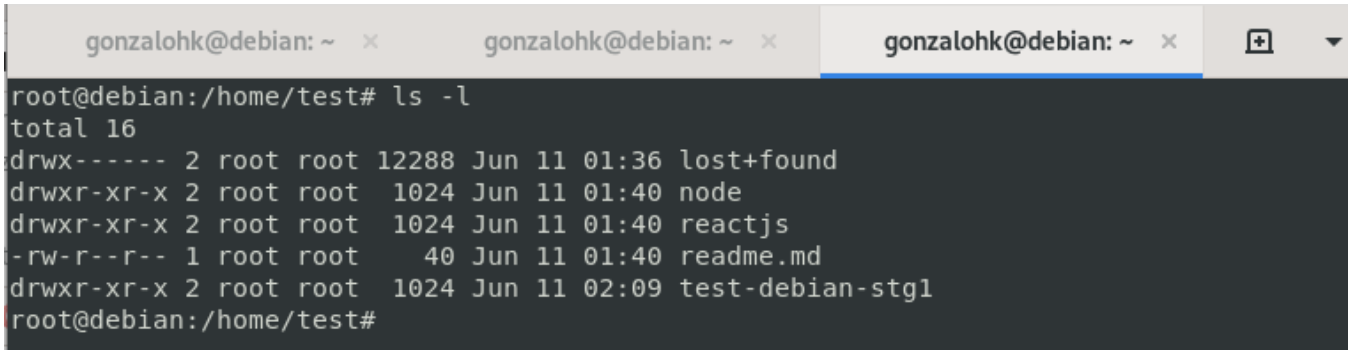
Montamos en ambas máquinas virtuales *debian-development y debian-development-stg1*.

```
root@debian:/home# mount -t ext3 /dev/vdb1  /home/projects
```

```
root@debian:/home# mount -t ext3 /dev/vdb1  /home/test
```

En ambas podemos ver los mismos archivos.





Sin embargo, si se crean nuevos archivos desde cualquier máquina virtual, estos no son visibles para la otra máquina virtual hasta que se vuelva a montar el disco duro.