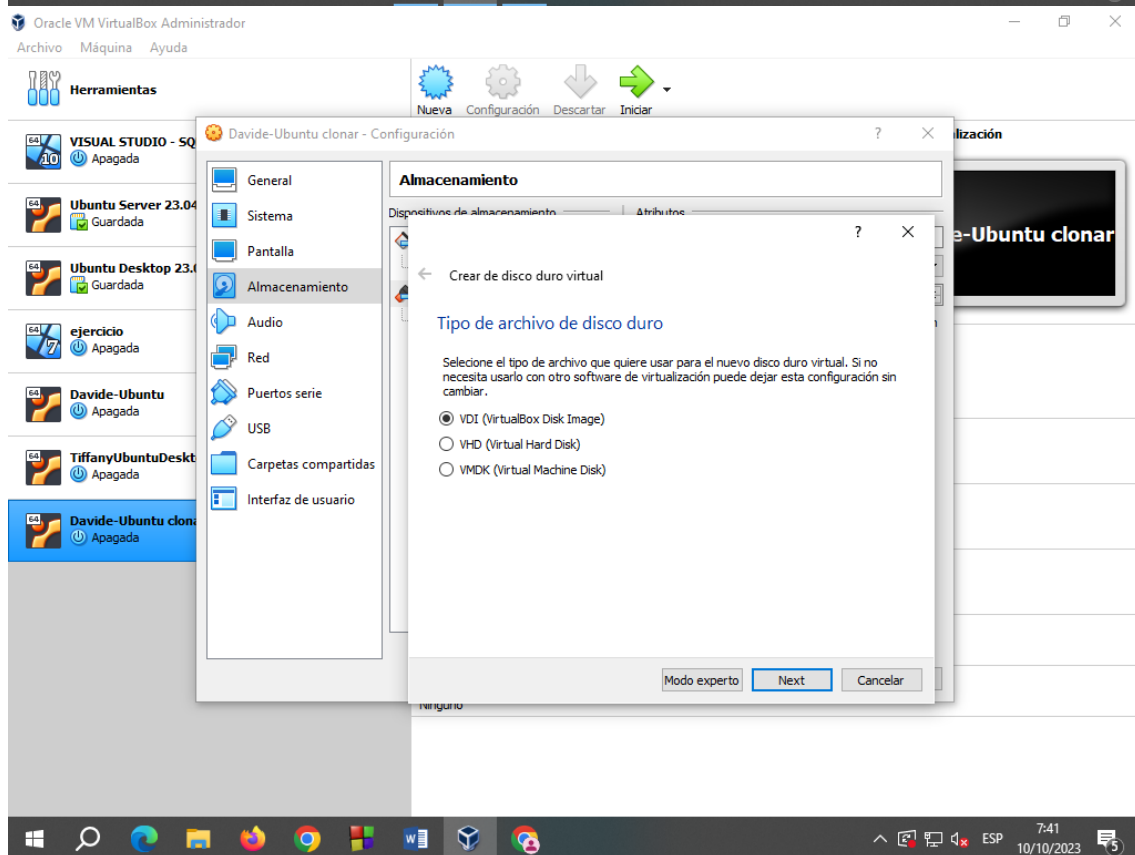
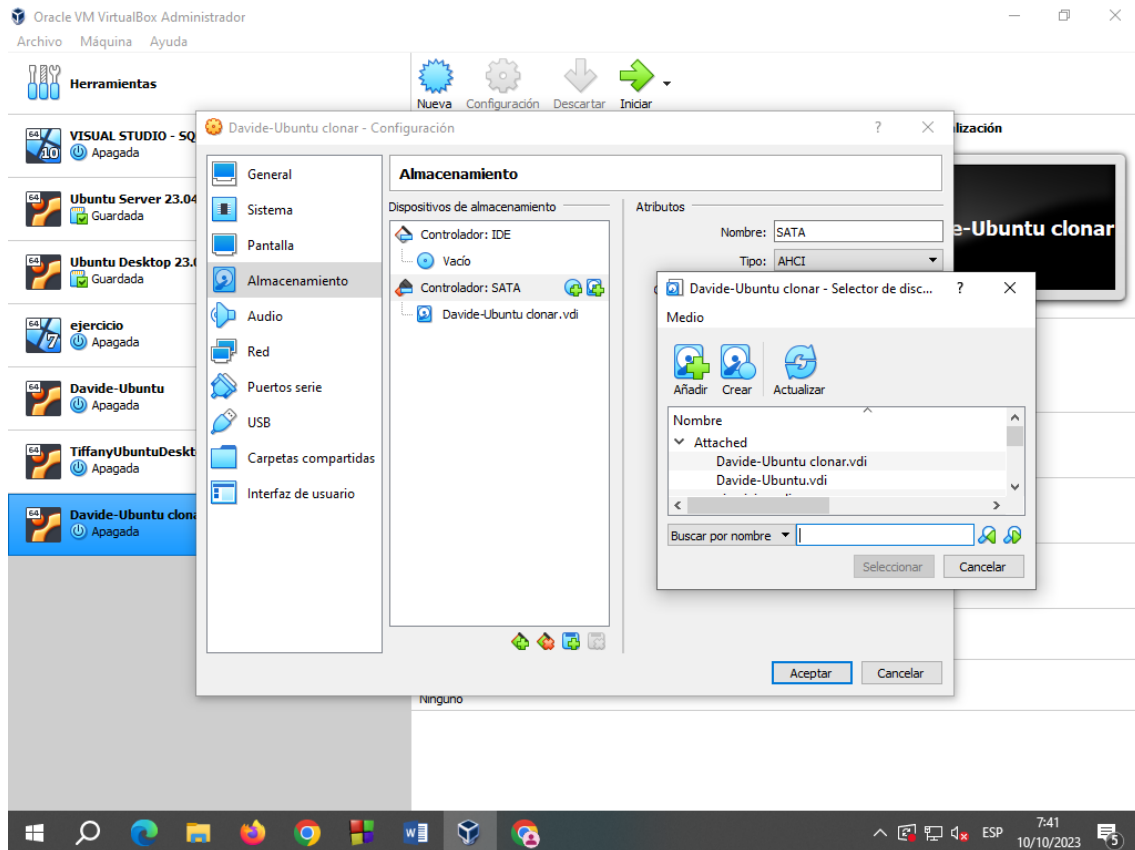


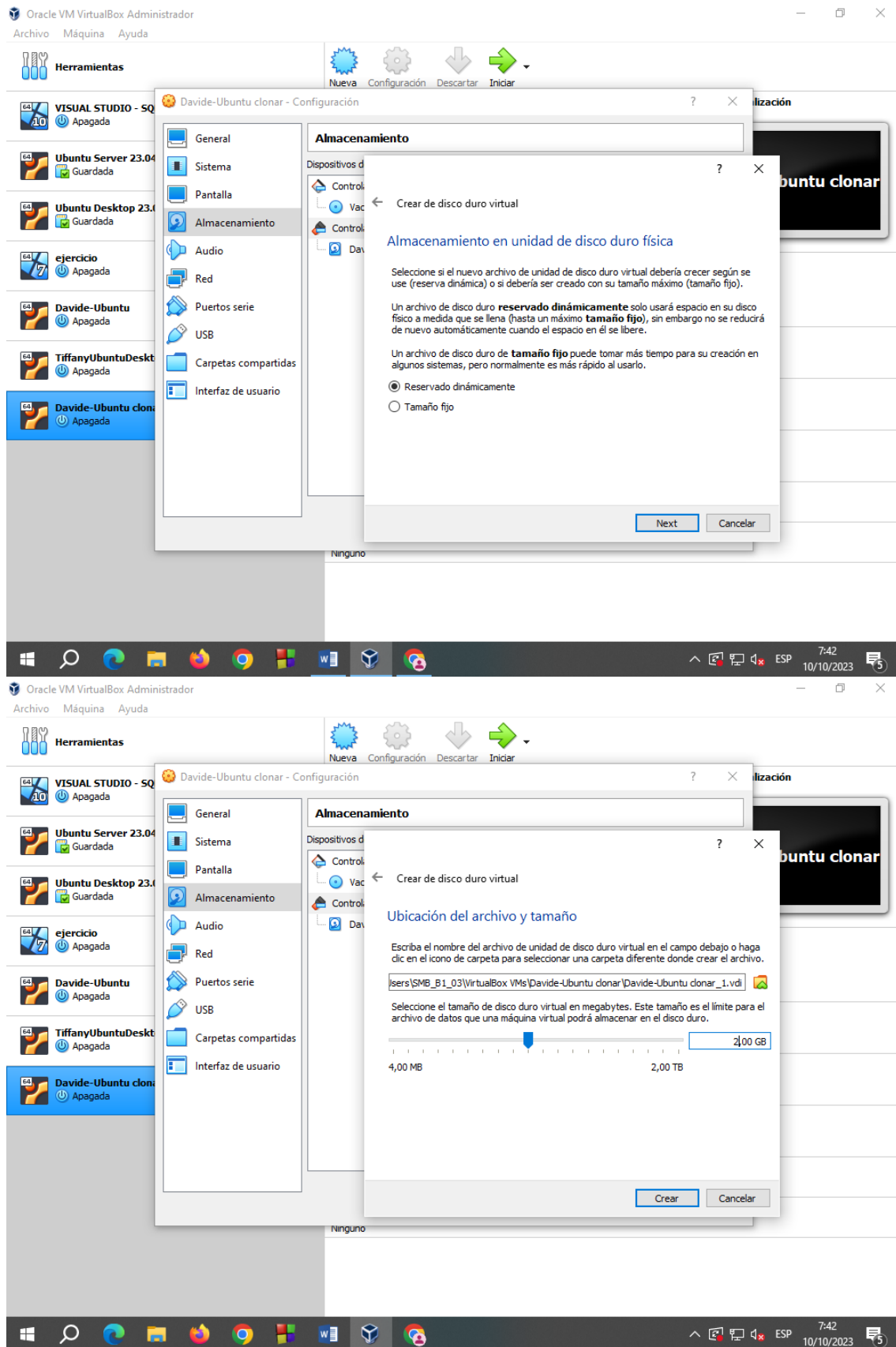
Nombre: Tiffany Andrea Jordán Uquillas

Taller #10: Gestión de dispositivos de almacenamiento

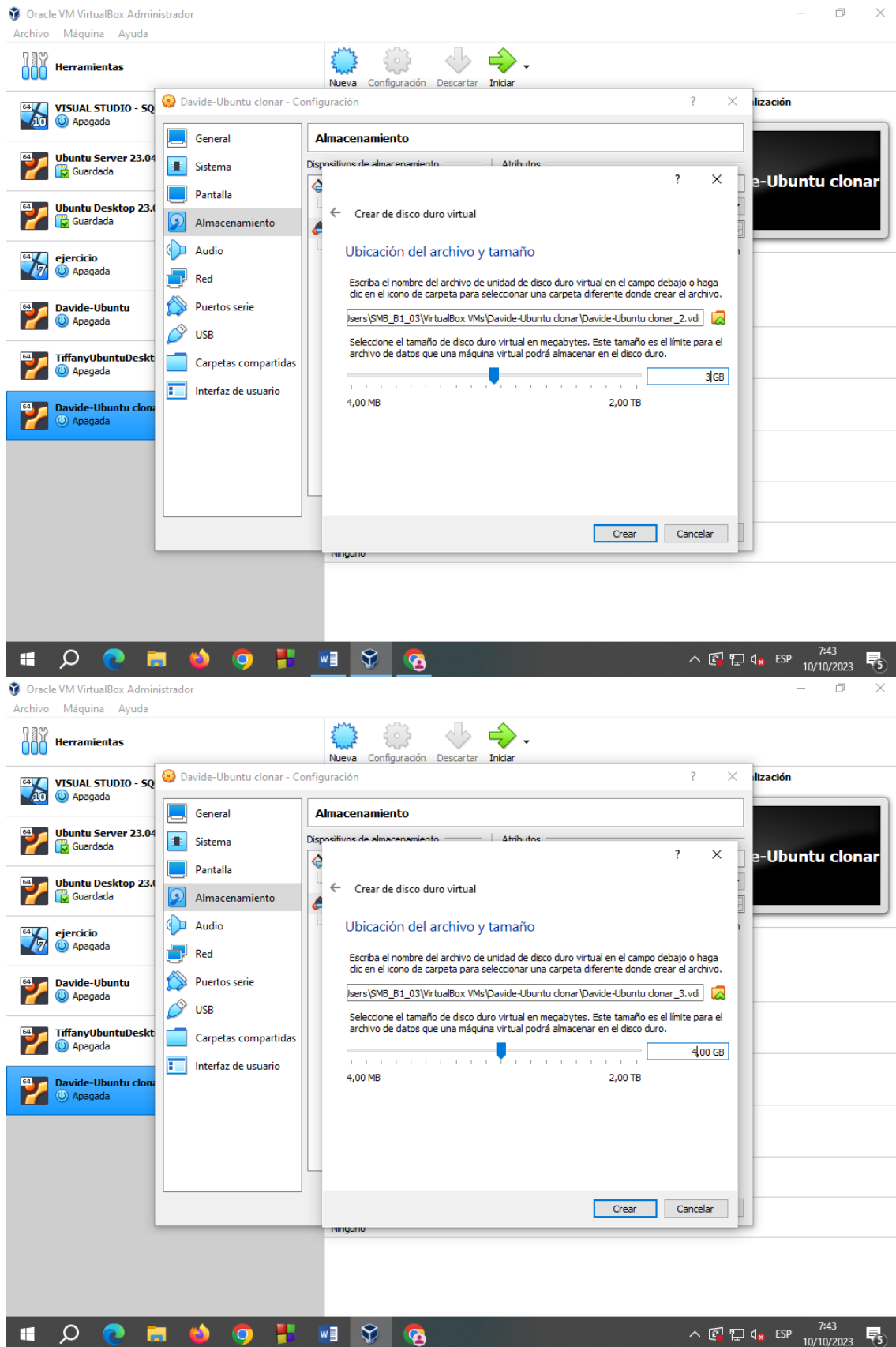
Partición #1



Nombre: Tiffany Andrea Jordán Uquillas



Nombre: Tiffany Andrea Jordán Uquillas



Nombre: Tiffany Andrea Jordán Uquillas

Oracle VM VirtualBox Administrador

Archivo Máquina Ayuda

Herramientas

Nueva Configuración Descartar Iniciar

Almacenamiento

Dispositivos de almacenamiento

Controlador: IDE

Vacio

Controlador: SATA

Medio

Añadir Crear Actualizar

Nombre

Tamaño

Attached

Davide-Ubuntu clonar.vdi 25,00 GB

Davide-Ubuntu.vdi 25,00 GB

ejercicio.vdi 32,00 GB

TiffanyUbuntuDesktop.vdi 25,00 GB

Ubuntu Desktop 23.04-disk001.vdi 30,00 GB

Ubuntu Server 23.04-disk001.vdi 30,00 GB

VISUAL STUDIO - SQL - POSTGRES - MONGODB-disk001.vdi 60,00 GB

Not Attached

Davide-Ubuntu clonar_1.vdi 2,00 GB

Davide-Ubuntu clonar_2.vdi 3,00 GB

Davide-Ubuntu clonar_3.vdi 4,00 GB

Buscar por nombre

Seleccionar Cancelar

Almacenamiento

Dispositivos de almacenamiento

Controlador: IDE

Vacio

Controlador: SATA

Davide-Ubuntu clonar.vdi

Davide-Ubuntu clonar_1.vdi

Davide-Ubuntu clonar_3.vdi

Davide-Ubuntu clonar_2.vdi

Atributos

Nombre: SATA

Tipo: AHCI

Cantidad de Puertos: 4

Usar cache de I/O anfitrión

Aceptar Cancelar

Lista todos los controladores de almacenamiento para esta máquina virtual y las imágenes virtuales y las unidades conectadas a ellos.

Oracle VM VirtualBox Administrador

Archivo Máquina Ayuda

Herramientas

Nueva Configuración Descartar Iniciar

Almacenamiento

Dispositivos de almacenamiento

Controlador: IDE

Vacio

Controlador: SATA

Davide-Ubuntu clonar.vdi

Davide-Ubuntu clonar_1.vdi

Davide-Ubuntu clonar_3.vdi

Davide-Ubuntu clonar_2.vdi

Atributos

Nombre: SATA

Tipo: AHCI

Cantidad de Puertos: 4

Usar cache de I/O anfitrión

Aceptar Cancelar

Lista todos los controladores de almacenamiento para esta máquina virtual y las imágenes virtuales y las unidades conectadas a ellos.

Nombre: Tiffany Andrea Jordán Uquillas

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

loop1
squash 4.0                                0   100% /snap/core20/2015
loop2
squash 4.0                                0   100% /snap/bare/5
loop3
squash 4.0                                0   100% /snap/firefox/3131
loop4
squash 4.0                                0   100% /snap/firefox/3206
loop5
squash 4.0                                0   100% /snap/gnome-42-2204/132
loop6
squash 4.0                                0   100% /snap/gnome-42-2204/141
loop7
squash 4.0                                0   100% /snap/gtk-common-themes/
1535
loop8
squash 4.0                                0   100% /snap/lxd/24322
loop9
squash 4.0                                0   100% /snap/snapd/19457
loop10
squash 4.0                                0   100% /snap/core22/864
loop11
squash 4.0                                0   100% /snap/snapd/20092
sda
├─sda1
├─sda2
│   └─ext4  1.0      dae2d38f-b27f-4ad5-9a06-7147f7ebda38  160M  57% /boot
├─sda3
│   └─ext4  1.0      682be99c-f639-416f-9c01-d73d0db8a162  11,2G  48% /var/snap/firefox/common
└─/host-hunspell
sdb
sdc
sdd
sr0
davtiff@server01:~$
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

davtiff@server01:~$ sudo fdisk /dev/sdb

Welcome to fdisk (util-linux 2.37.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0xa92bcf34.

Command (m for help): _
```

Nombre: Tiffany Andrea Jordán Uquillas

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

DOS (MBR)
a  toggle a bootable flag
b  edit nested BSD disklabel
c  toggle the dos compatibility flag

Generic
d  delete a partition
F  list free unpartitioned space
l  list known partition types
n  add a new partition
p  print the partition table
t  change a partition type
v  verify the partition table
i  print information about a partition

Misc
m  print this menu
u  change display/entry units
x  extra functionality (experts only)

Script
I  load disk layout from sfdisk script file
O  dump disk layout to sfdisk script file

Save & Exit
w  write table to disk and exit
q  quit without saving changes

Create a new label
g  create a new empty GPT partition table
G  create a new empty SGI (IRIX) partition table
o  create a new empty DOS partition table
s  create a new empty Sun partition table

Command (m for help): g
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

I  load disk layout from sfdisk script file
O  dump disk layout to sfdisk script file

Save & Exit
w  write table to disk and exit
q  quit without saving changes

Create a new label
g  create a new empty GPT partition table
G  create a new empty SGI (IRIX) partition table
o  create a new empty DOS partition table
s  create a new empty Sun partition table

Command (m for help): g
Created a new GPT disklabel (GUID: C0AC3DC3-97DD-144B-82C3-0C578BDE0A50).

Command (m for help): n
Partition number (1-128, default 1):
First sector (2048-4194270, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-4194270, default 4194270): +1G

Created a new partition 1 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help): n
Partition number (2-128, default 2):
First sector (2099200-4194270, default 2099200):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2099200-4194270, default 4194270):

Created a new partition 2 of type 'Linux filesystem' and of size 1023 MiB.

Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.

davtiff@server01:~$ _
```

Nombre: Tiffany Andrea Jordán Uquillas

```
davtliff@server01:~$ sudo parted /dev/sdc
GNU Parted 3.4
Using /dev/sdc
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) mklabel gpt #Crear una nueva tabla de particiones
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
```

Archivo	Máquina	Ver	Entrada	Dispositivos	Ayuda
<pre>mklabel,mktable LABEL-TYPE create a new disklabel (partition table) mkpart PART-TYPE [FS-TYPE] START END make a partition name NUMBER NAME name partition NUMBER as NAME print [devices][free list,all NUMBER] display the partition table, available devices, free space, all found partitions, or a particular partition quit exit program rescue START END rescue a lost partition near START and END resizepart NUMBER END resize partition NUMBER rm NUMBER delete partition NUMBER select DEVICE choose the device to edit disk_set FLAG STATE change the FLAG on selected device disk_toggle [FLAG] toggle the state of FLAG on selected device set NUMBER FLAG STATE change the FLAG on partition NUMBER toggle [NUMBER [FLAG]] toggle the state of FLAG on partition NUMBER unit UNIT set the default unit to UNIT version display the version number and copyright information of GNU Parted align-check TYPE N check partition N for TYPE(min opt) alignment help [COMMAND] print general help, or help on COMMAND mklabel,mktable LABEL-TYPE create a new disklabel (partition table) mkpart PART-TYPE [FS-TYPE] START END make a partition name NUMBER NAME name partition NUMBER as NAME print [devices][free list,all NUMBER] display the partition table, available devices, free space, all found partitions, or a particular partition quit exit program rescue START END rescue a lost partition near START and END resizepart NUMBER END resize partition NUMBER rm NUMBER delete partition NUMBER select DEVICE choose the device to edit disk_set FLAG STATE change the FLAG on selected device disk_toggle [FLAG] toggle the state of FLAG on selected device set NUMBER FLAG STATE change the FLAG on partition NUMBER toggle [NUMBER [FLAG]] toggle the state of FLAG on partition NUMBER unit UNIT set the default unit to UNIT version display the version number and copyright information of GNU Parted (parted)</pre>					

Nombre: Tiffany Andrea Jordán Uquillas

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

davtiff@server01:~$ sudo parted /dev/sdc
GNU Parted 3.4
Using /dev/sdc
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) mkpart primary ext4 0% 100% #Crea una nueva particion ext4 que abarca todo el disco_
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

mklabel, mktable LABEL-TYPE    create a new disklabel (partition table)
mkpart PART-TYPE [FS-TYPE] START END  make a partition
name NUMBER NAME               name partition NUMBER as NAME
print [devices|free|list,all|NUMBER] display the partition table, available devices, free
                                space, all found partitions, or a particular partition
quit                            exit program
rescue START END               rescue a lost partition near START and END
resizepart NUMBER END          resize partition NUMBER
rm NUMBER                       delete partition NUMBER
select DEVICE                  choose the device to edit
disk_set FLAG STATE            change the FLAG on selected device
disk_toggle [FLAG]             toggle the state of FLAG on selected device
set NUMBER FLAG STATE          change the FLAG on partition NUMBER
toggle [NUMBER [FLAG]]         toggle the state of FLAG on partition NUMBER
unit UNIT                       set the default unit to UNIT
version                         display the version number and copyright information of
                                GNU Parted
align-check TYPE N              check partition N for TYPE(min|opt) alignment
help [COMMAND]                 print general help, or help on COMMAND
mklabel, mktable LABEL-TYPE    create a new disklabel (partition table)
mkpart PART-TYPE [FS-TYPE] START END  make a partition
name NUMBER NAME               name partition NUMBER as NAME
print [devices|free|list,all|NUMBER] display the partition table, available devices, free
                                space, all found partitions, or a particular partition
quit                            exit program
rescue START END               rescue a lost partition near START and END
resizepart NUMBER END          resize partition NUMBER
rm NUMBER                       delete partition NUMBER
select DEVICE                  choose the device to edit
disk_set FLAG STATE            change the FLAG on selected device
disk_toggle [FLAG]             toggle the state of FLAG on selected device
set NUMBER FLAG STATE          change the FLAG on partition NUMBER
toggle [NUMBER [FLAG]]         toggle the state of FLAG on partition NUMBER
unit UNIT                       set the default unit to UNIT
version                         display the version number and copyright information of
                                GNU Parted
(parted) _
```


Nombre: Tiffany Andrea Jordán Uquillas

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda

loop4
  squash 4.0                                0   100% /snap/firefox/3206
loop5
  squash 4.0                                0   100% /snap/gnome-42-2204/132
loop6
  squash 4.0                                0   100% /snap/gnome-42-2204/141
loop7
  squash 4.0                                0   100% /snap/gtk-common-themes/
1535
loop8
  squash 4.0                                0   100% /snap/lxd/24322
loop9
  squash 4.0                                0   100% /snap/snapd/19457
loop10
  squash 4.0                                0   100% /snap/core22/864
loop11
  squash 4.0                                0   100% /snap/snapd/20092
sda
├─sda1
├─sda2
│   ext4 1.0      dae2d38f-b27f-4ad5-9a06-7147f7ebda38   160M   57% /boot
├─sda3
│   ext4 1.0      682be99c-f639-416f-9c01-d73d0db8a162   11,2G   48% /var/snap/firefox/common
/
host-hunspell
/
sdb
├─sdb1
└─sdb2
sdc
└─sdc1
sdd
sr0
davtiff@server01:~$
```

```
Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda

davtiff@server01:~$ sudo mkdir /mnt/disco_2
davtiff@server01:~$ sudo mkdir /mnt/disco_3
davtiff@server01:~$ sudo mkfs.ext4 /dev/sdb1
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: eb7204ad-96a2-405d-98b6-bf555daf2586
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

davtiff@server01:~$ sudo mkfs.ext4 /dev/sdb2
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 261883 4k blocks and 65536 inodes
Filesystem UUID: 00c3d2e1-14fd-48d3-a36b-e71656c9d260
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (4096 blocks): done
Writing superblocks and filesystem accounting information: done

davtiff@server01:~$ _
```

Nombre: Tiffany Andrea Jordán Uquillas

```

Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

loop4
  squash 4.0                                0   100% /snap/firefox/3206
loop5
  squash 4.0                                0   100% /snap/gnome-42-2204/132
loop6
  squash 4.0                                0   100% /snap/gnome-42-2204/141
loop7
  squash 4.0                                0   100% /snap/gtk-common-themes/
1535
loop8
  squash 4.0                                0   100% /snap/lxd/24322
loop9
  squash 4.0                                0   100% /snap/snapd/19457
loop10
  squash 4.0                                0   100% /snap/core22/864
loop11
  squash 4.0                                0   100% /snap/snapd/20092
sda
├─sda1
├─sda2
│   ext4  1.0      dae2d38f-b27f-4ad5-9a06-7147f7ebda38    160M    57% /boot
├─sda3
│   ext4  1.0      682be99c-f639-416f-9c01-d73d0db8a162    11,2G   48% /var/snap/firefox/common
/host-hunspell
└─sdb
   ├─sdb1
   │   ext4  1.0      eb7204ad-96a2-405d-98b6-bf555daf2586
   │   ext4  1.0      00c3d2e1-14fd-48d3-a36b-e71656c9d260
   └─sdc
      └─sdc1

sdd
sr0
davtiff@server01:~$
```

```

Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

GNU nano 6.2 /etc/fstab
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point> <type> <options>      <dump> <pass>
# / was on /dev/sda3 during curtin installation
/dev/disk/by-uuid/682be99c-f639-416f-9c01-d73d0db8a162 / ext4 defaults 0 1
# /boot was on /dev/sda2 during curtin installation
/dev/disk/by-uuid/dae2d38f-b27f-4ad5-9a06-7147f7ebda38 /boot ext4 defaults 0 1
/swap.img      none      swap      sw          0          0

[ Read 12 lines ]
^G Help      ^O Write Out  ^H Where Is  ^K Cut       ^T Execute   ^C Location  ^M Undo
^X Exit      ^R Read File  ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line  ^E Redo
```

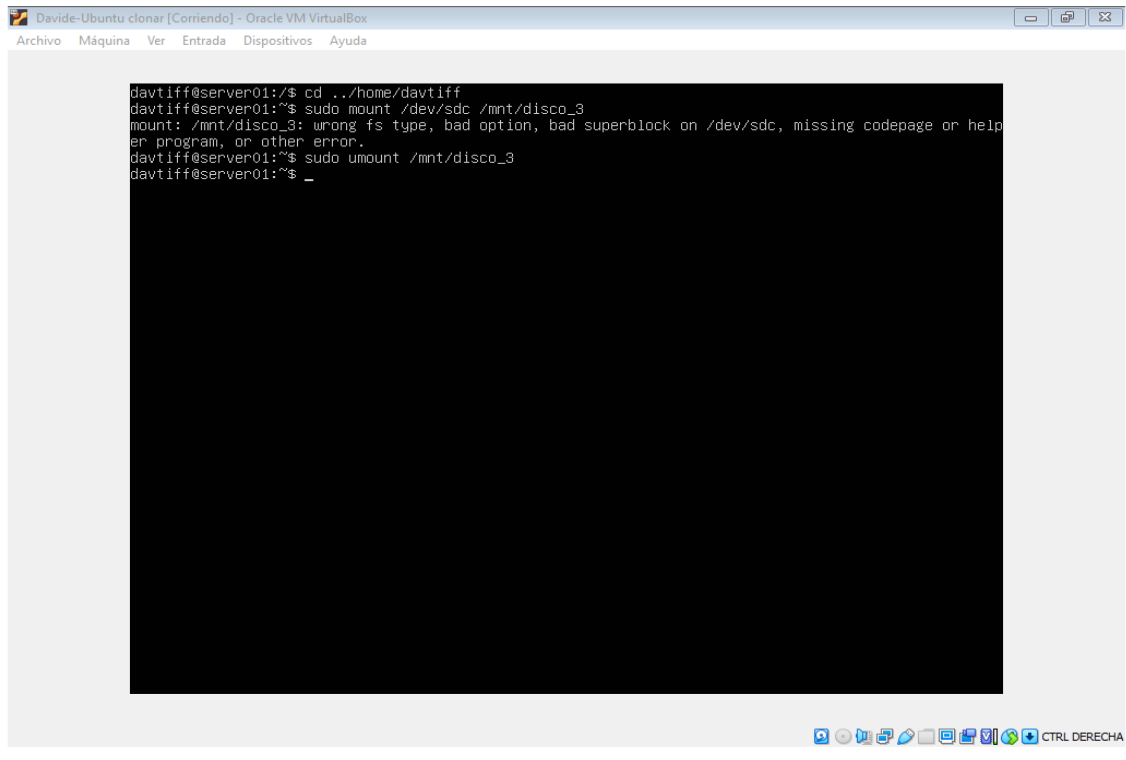
Nombre: Tiffany Andrea Jordán Uquillas

```
GNU nano 6.2 /etc/fstab *
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point> <type> <options> <dump> <pass>
# / was on /dev/sda3 during curtin installation
/dev/disk/by-uuid/682be99c-f639-416f-9c01-d73d0db8a162 / ext4 defaults 0 1
# /boot was on /dev/sda2 during curtin installation
/dev/disk/by-uuid/dae2d38f-b27f-4ad5-9a06-7147f7ebda38 /boot ext4 defaults 0 1
/swap.img none swap 0 0
/dev/sdb1 /mnt/disco_2 ext4 defaults 0 0
/dev/sdb2 /mnt/disco_3 ext4 defaults 0 0_

Help Write Out Where Is Cut Execute Location M-U Undo
Exit Read File Replace Paste Justify Go To Line M-E Redo
```

```
davtiff@server01:~$ sudo mount -a
davtiff@server01:~$ cd /mnt/disco_2/
davtiff@server01:/mnt/disco_2$ ls
lost+found
davtiff@server01:/mnt/disco_2$ cd ..
davtiff@server01:/mnt$ cd disco_
disco_2/ disco_3/
davtiff@server01:/mnt$ cd disco_3
davtiff@server01:/mnt/disco_3$ ls
lost+found
davtiff@server01:/mnt/disco_3$ sudo mount /dev/sdc /mnt/disco_3
mount: /mnt/disco_3: wrong fs type, bad option, bad superblock on /dev/sdc, missing codepage or help
er program, or other error.
davtiff@server01:/mnt/disco_3$ cd ..
davtiff@server01:/mnt$ cd ..
davtiff@server01:/mnt$ cd ..
davtiff@server01:/mnt$ sudo mount /dev/sdc /mnt/disco_3
mount: /mnt/disco_3: wrong fs type, bad option, bad superblock on /dev/sdc, missing codepage or help
er program, or other error.
davtiff@server01:/mnt$ cd ..
davtiff@server01:/mnt$ pwd
/
davtiff@server01:/mnt$ sudo bash
root@server01:/mnt# sudo mount /dev/sdc/ /mnt/disco_3
mount: /mnt/disco_3: special device /dev/sdc/ does not exist (a path prefix is not a directory).
root@server01:/mnt# exit
exit
davtiff@server01:/mnt$ exit
logout
There are stopped jobs.
davtiff@server01:/mnt$
```

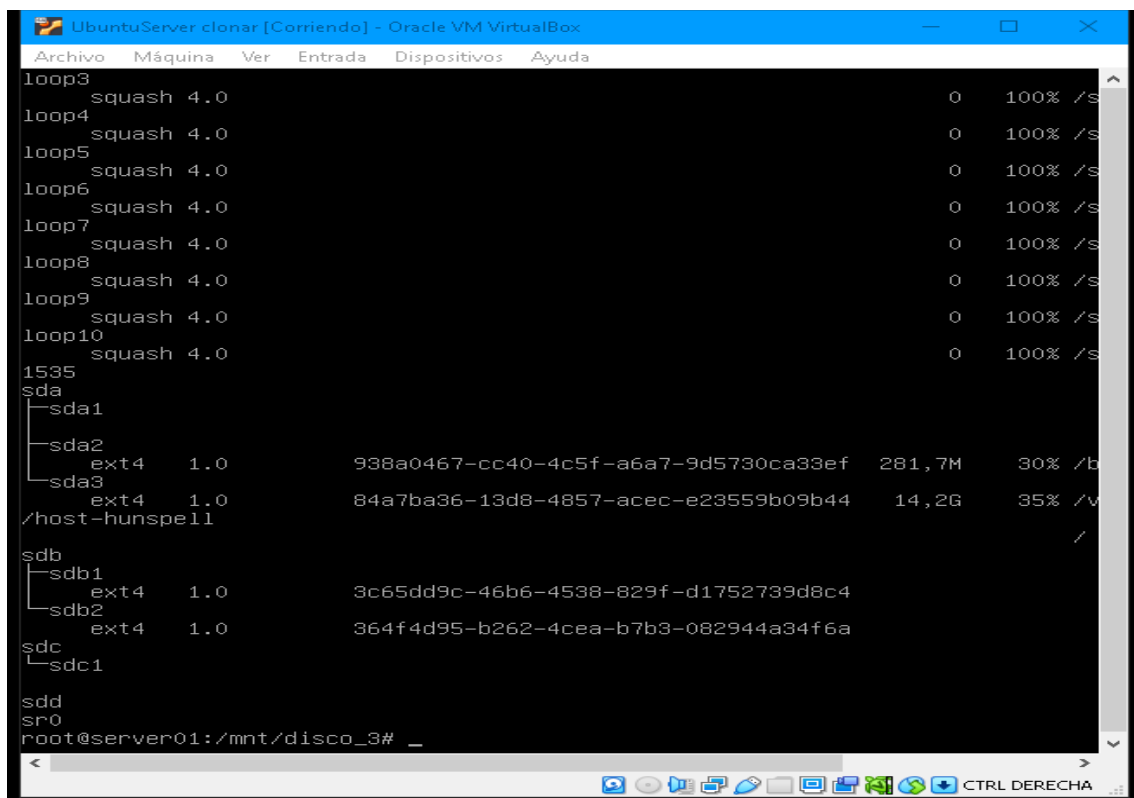
Nombre: Tiffany Andrea Jordán Uquillas



The screenshot shows a terminal window titled "Davide-Ubuntu clonar [Corriendo] - Oracle VM VirtualBox". The terminal output is as follows:

```
davtliff@server01:/$ cd ../home/davtliff
davtliff@server01:~$ sudo mount /dev/sdc /mnt/disco_3
mount: /mnt/disco_3: wrong fs type, bad option, bad superblock on /dev/sdc, missing codepage or help
er program, or other error.
davtliff@server01:~$ sudo umount /mnt/disco_3
davtliff@server01:~$ _
```

Partición #2



The screenshot shows a terminal window titled "UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox". The terminal output is as follows:

```
loop3
  squash 4.0                                0   100% /s
loop4
  squash 4.0                                0   100% /s
loop5
  squash 4.0                                0   100% /s
loop6
  squash 4.0                                0   100% /s
loop7
  squash 4.0                                0   100% /s
loop8
  squash 4.0                                0   100% /s
loop9
  squash 4.0                                0   100% /s
loop10
  squash 4.0                               0   100% /s
1535
sda
├─sda1
├─sda2
│   ext4    1.0                938a0467-cc40-4c5f-a6a7-9d5730ca33ef    281,7M    30% /b
├─sda3
│   ext4    1.0                84a7ba36-13d8-4857-acec-e23559b09b44    14,2G    35% /v
└─/host-hunspell
sdb
├─sdb1
├─sdb2
│   ext4    1.0                3c65dd9c-46b6-4538-829f-d1752739d8c4
└─sdb2
    ext4    1.0                364f4d95-b262-4cea-b7b3-082944a34f6a
sdc
└─sdc1
sdd
sr0
root@server01:/mnt/disco_3# _
```

Nombre: Tiffany Andrea Jordán Uquillas

```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@server01:/mnt/disco_3# sudo fdisk /dev/sdc

Welcome to fdisk (util-linux 2.37.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): g
Created a new GPT disklabel (GUID: 641CB060-3B97-7F45-A881-3EA3A1BE8B1B).

Command (m for help): n
Partition number (1-128, default 1):
First sector (2048-6291422, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-6291422, default 6291422):

Created a new partition 1 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help): n
Partition number (2-128, default 2):
First sector (2099200-6291422, default 2099200):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2099200-6291422, default 6291422):

Created a new partition 2 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help): n
Partition number (3-128, default 3):
First sector (4196352-6291422, default 4196352):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (4196352-6291422, default 6291422):

Created a new partition 3 of type 'Linux filesystem' and of size 1023 MiB.

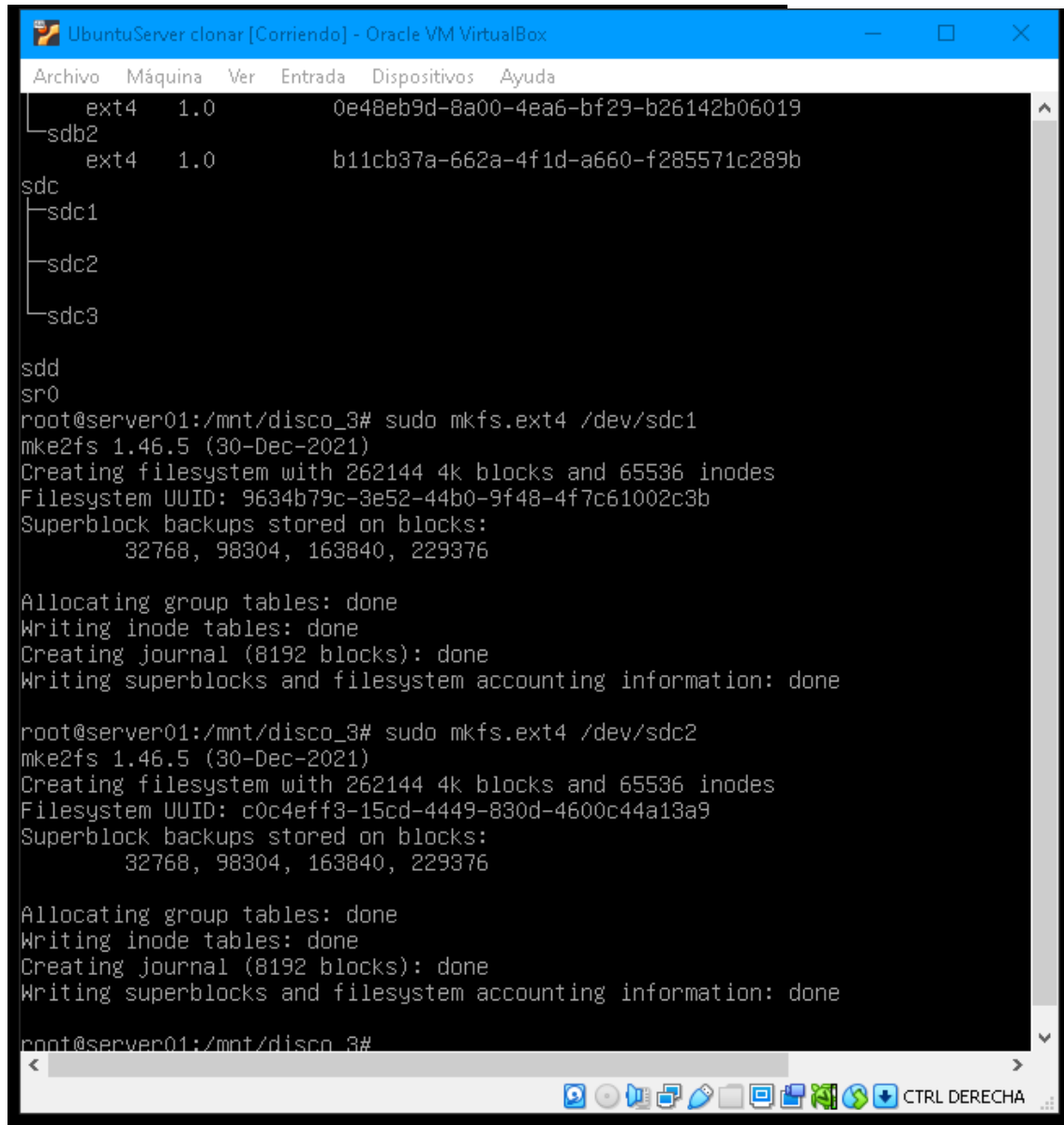
Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.

root@server01:/mnt/disco_3# _
```

```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
loop5
  squash 4.0                                0   100% /s
loop6
  squash 4.0                                0   100% /s
loop7
  squash 4.0                                0   100% /s
loop8
  squash 4.0                                0   100% /s
loop9
  squash 4.0                                0   100% /s
loop10
  squash 4.0                                0   100% /s
1535
sda
├─sda1
├─sda2
│   ext4    1.0          938a0467-cc40-4c5f-a6a7-9d5730ca33ef  281,7M   30% /b
└─sda3
    ext4    1.0          84a7ba36-13d8-4857-acec-e23559b09b44  14,2G   35% /v
/host-hunspell
sdb
├─sdb1
│   ext4    1.0          3c65dd9c-46b6-4538-829f-d1752739d8c4
└─sdb2
    ext4    1.0          364f4d95-b262-4cea-b7b3-082944a34f6a
sdc
├─sdc1
├─sdc2
└─sdc3
sdd
sr0
root@server01:/mnt/disco_3#
```

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```
root@server01:/mnt/disco_3# sudo mkdir /mnt/disco_4
root@server01:/mnt/disco_3# sudo mkdir /mnt/disco_5
root@server01:/mnt/disco_3# sudo mkdir /mnt/disco_6
```



```

Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
├── ext4    1.0      0e48eb9d-8a00-4ea6-bf29-b26142b06019
└── sdb2
    ├── ext4    1.0      b11cb37a-662a-4f1d-a660-f285571c289b
    └── sdc
        ├── sdc1
        ├── sdc2
        └── sdc3
sdd
sr0
root@server01:/mnt/disco_3# sudo mkfs.ext4 /dev/sdc1
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: 9634b79c-3e52-44b0-9f48-4f7c61002c3b
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

root@server01:/mnt/disco_3# sudo mkfs.ext4 /dev/sdc2
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: c0c4eff3-15cd-4449-830d-4600c44a13a9
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

root@server01:/mnt/disco_3#
```

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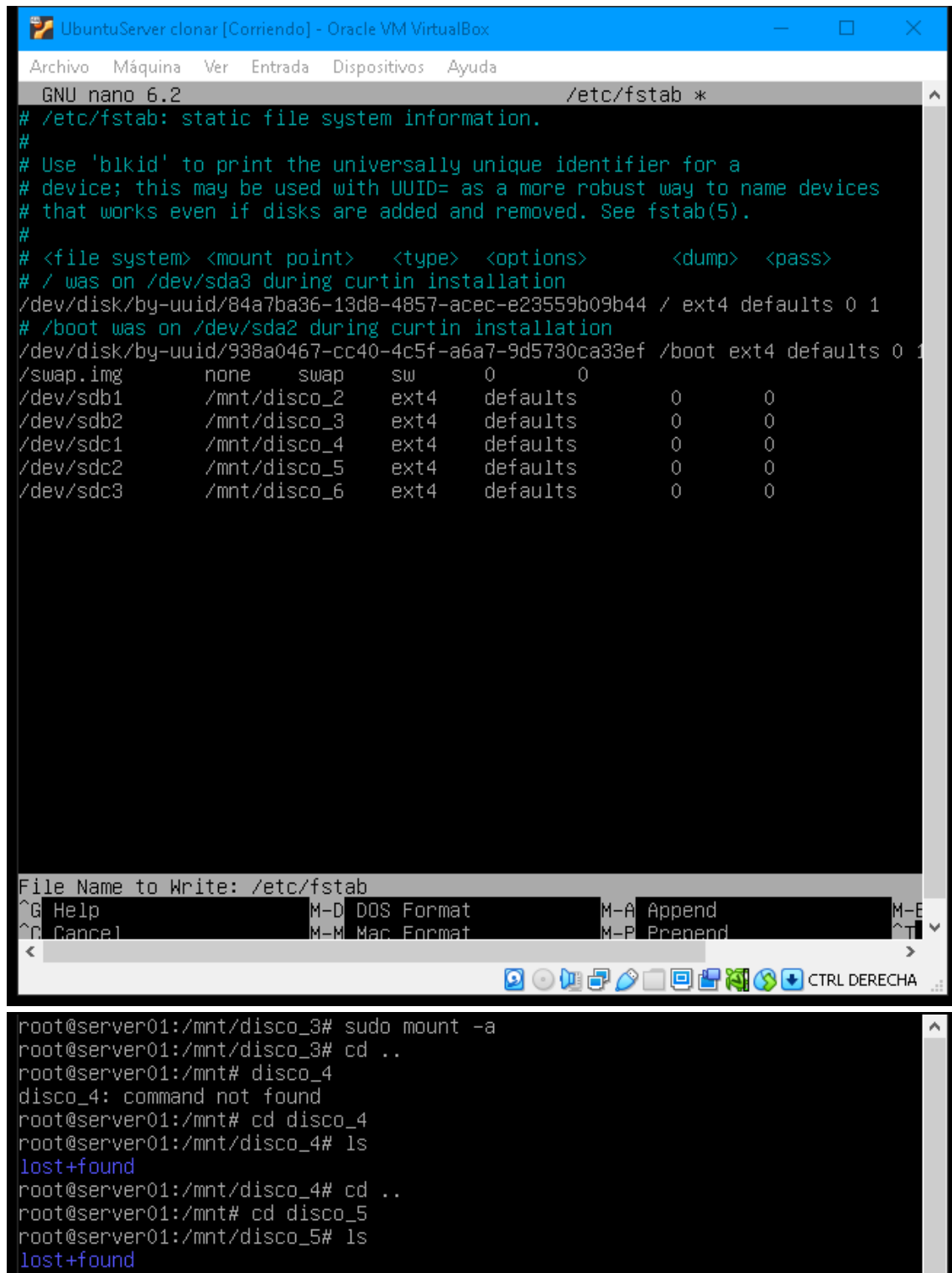
```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@server01:/mnt/disco_3# sudo mkfs.ext4 /dev/sdc3
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 261883 4k blocks and 65536 inodes
Filesystem UUID: a8f31701-5774-497b-963a-42e72543afa9
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (4096 blocks): done
Writing superblocks and filesystem accounting information: done

root@server01:/mnt/disco_3# _
```

```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
loop5
  squash 4.0
loop6
  squash 4.0
loop7
  squash 4.0
loop8
  squash 4.0
loop9
  squash 4.0
loop10
  squash 4.0
1535
sda
├─sda1
├─sda2
│   ext4    1.0    938a0467-cc40-4c5f-a6a7-9d5730ca33ef  281,7M  30% /b
└─sda3
    ext4    1.0    84a7ba36-13d8-4857-acec-e23559b09b44  14,2G  35% /v
/host-hunspell
sdb
├─sdb1
│   ext4    1.0    0e48eb9d-8a00-4ea6-bf29-b26142b06019
└─sdb2
    ext4    1.0    b11cb37a-662a-4f1d-a660-f285571c289b
sdc
├─sdc1
│   ext4    1.0    9634b79c-3e52-44b0-9f48-4f7c61002c3b
├─sdc2
│   ext4    1.0    c0c4eff3-15cd-4449-830d-4600c44a13a9
└─sdc3
    ext4    1.0    a8f31701-5774-497b-963a-42e72543afa9
sdd
sr0
root@server01:/mnt/disco_3# sudo nano /etc/fstab
```

Nombre: Tiffany Andrea Jordán Uquillas



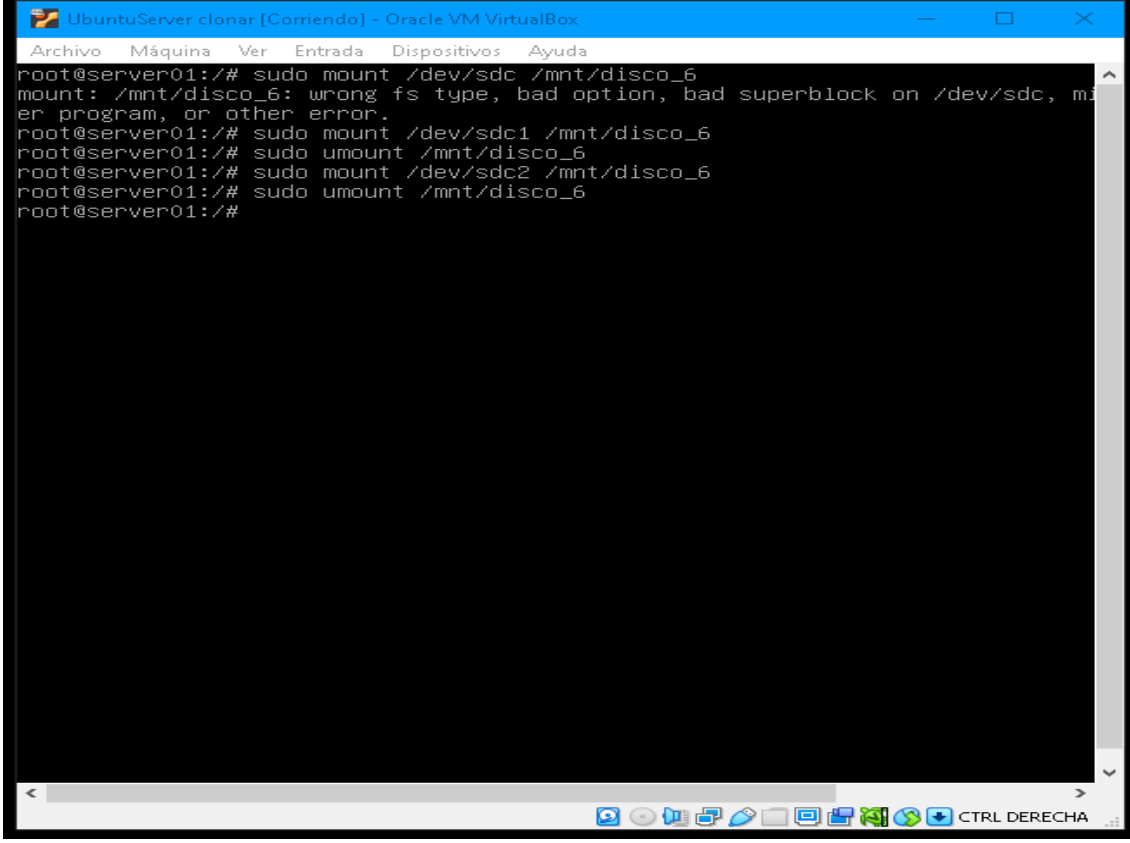
The screenshot shows a terminal window titled "UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox". The top menu bar includes "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". The terminal is running GNU nano 6.2, editing the file /etc/fstab. The content of the file is as follows:

```
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point> <type> <options> <dump> <pass>
# / was on /dev/sda3 during curtin installation
/dev/disk/by-uuid/84a7ba36-13d8-4857-acec-e23559b09b44 / ext4 defaults 0 1
# /boot was on /dev/sda2 during curtin installation
/dev/disk/by-uuid/938a0467-cc40-4c5f-a6a7-9d5730ca33ef /boot ext4 defaults 0 1
/swap.img none swap sw 0 0
/dev/sdb1 /mnt/disco_2 ext4 defaults 0 0
/dev/sdb2 /mnt/disco_3 ext4 defaults 0 0
/dev/sdc1 /mnt/disco_4 ext4 defaults 0 0
/dev/sdc2 /mnt/disco_5 ext4 defaults 0 0
/dev/sdc3 /mnt/disco_6 ext4 defaults 0 0
```

Below the editor, the "File Name to Write: /etc/fstab" is shown. A menu bar at the bottom of the editor includes options like "Help", "Cancel", "DOS Format", "Mac Format", "Append", and "Prepend". The terminal window also shows a series of commands and their outputs:

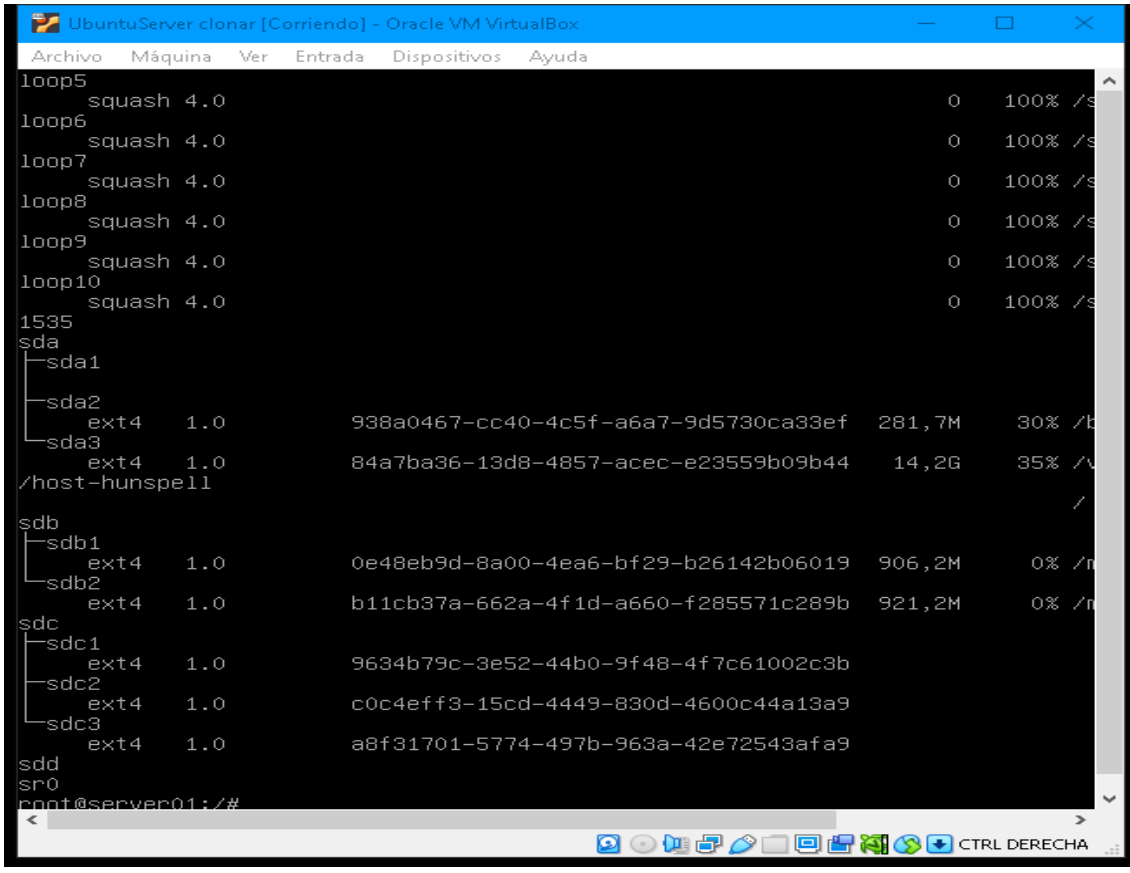
```
root@server01:/mnt/disco_3# sudo mount -a
root@server01:/mnt/disco_3# cd ..
root@server01:/mnt# disco_4
disco_4: command not found
root@server01:/mnt# cd disco_4
root@server01:/mnt/disco_4# ls
lost+found
root@server01:/mnt/disco_4# cd ..
root@server01:/mnt# cd disco_5
root@server01:/mnt/disco_5# ls
lost+found
```


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```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@server01:/# sudo mount /dev/sdc /mnt/disco_6
mount: /mnt/disco_6: wrong fs type, bad option, bad superblock on /dev/sdc, m
er program, or other error.
root@server01:/# sudo mount /dev/sdc1 /mnt/disco_6
root@server01:/# sudo umount /mnt/disco_6
root@server01:/# sudo mount /dev/sdc2 /mnt/disco_6
root@server01:/# sudo umount /mnt/disco_6
root@server01:/#
```

Partición #3



```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
loop5
  squash 4.0 0 100% /s
loop6
  squash 4.0 0 100% /s
loop7
  squash 4.0 0 100% /s
loop8
  squash 4.0 0 100% /s
loop9
  squash 4.0 0 100% /s
loop10
  squash 4.0 0 100% /s
1535
sda
├─ sda1
├─ sda2
│   ext4 1.0 938a0467-cc40-4c5f-a6a7-9d5730ca33ef 281,7M 30% /b
├─ sda3
│   ext4 1.0 84a7ba36-13d8-4857-acec-e23559b09b44 14,2G 35% /v
└─ /host-hunspell
sdb
├─ sdb1
│   ext4 1.0 0e48eb9d-8a00-4ea6-bf29-b26142b06019 906,2M 0% /n
└─ sdb2
    ext4 1.0 b11cb37a-662a-4f1d-a660-f285571c289b 921,2M 0% /n
sdc
├─ sdc1
│   ext4 1.0 9634b79c-3e52-44b0-9f48-4f7c61002c3b
├─ sdc2
│   ext4 1.0 c0c4eff3-15cd-4449-830d-4600c44a13a9
└─ sdc3
    ext4 1.0 a8f31701-5774-497b-963a-42e72543afa9
sdd
sr0
root@server01:/#
```

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```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@server01:/# sudo fdisk /dev/sdd

Welcome to fdisk (util-linux 2.37.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x19553c9b.

Command (m for help): g
Created a new GPT disklabel (GUID: 4221006F-5624-584B-A0AE-9BBC44EA87A1).

Command (m for help): n
Partition number (1-128, default 1):
First sector (2048-8388574, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-8388574, default 8388574):

Created a new partition 1 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help): n
Partition number (2-128, default 2):
First sector (2099200-8388574, default 2099200):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2099200-8388574, default 8388574):

Created a new partition 2 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help): N
N: unknown command

Command (m for help): n
Partition number (3-128, default 3):
First sector (4196352-8388574, default 4196352):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (4196352-8388574, default 8388574):

Created a new partition 3 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help):
```

```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

Command (m for help): n
Partition number (1-128, default 1):
First sector (2048-8388574, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-8388574, default 8388574):

Created a new partition 1 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help): n
Partition number (2-128, default 2):
First sector (2099200-8388574, default 2099200):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2099200-8388574, default 8388574):

Created a new partition 2 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help):

Command (m for help): n
Partition number (3-128, default 3):
First sector (4196352-8388574, default 4196352):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (4196352-8388574, default 8388574):

Created a new partition 3 of type 'Linux filesystem' and of size 1 GiB.

Command (m for help): n
Partition number (4-128, default 4):
First sector (6293504-8388574, default 6293504):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (6293504-8388574, default 8388574):

Created a new partition 4 of type 'Linux filesystem' and of size 1023 MiB.

Command (m for help): w
The partition table has been altered.
Syncing disks.

root@server01:/#
```

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```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
loop9
  squash 4.0 0 100% /s
loop10
  squash 4.0 0 100% /s
1535
sda
├─sda1
├─sda2
│   ext4 1.0 938a0467-cc40-4c5f-a6a7-9d5730ca33ef 281,7M 30% /b
├─sda3
│   ext4 1.0 84a7ba36-13d8-4857-acec-e23559b09b44 14,2G 35% /v
└─/host-hunspell
sdb
├─sdb1
│   ext4 1.0 0e48eb9d-8a00-4ea6-bf29-b26142b06019 906,2M 0% /n
├─sdb2
│   ext4 1.0 b11cb37a-662a-4f1d-a660-f285571c289b 921,2M 0% /n
└─sdc
├─sdc1
│   ext4 1.0 9634b79c-3e52-44b0-9f48-4f7c61002c3b
├─sdc2
│   ext4 1.0 c0c4eff3-15cd-4449-830d-4600c44a13a9
├─sdc3
│   ext4 1.0 a8f31701-5774-497b-963a-42e72543afa9
└─sdd
├─sdd1
├─sdd2
├─sdd3
└─sdd4
sr0
root@server01:/# clear
```

```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
[sudo] password for tiffany:
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: ac292334-dc89-4c7a-9510-b51ba1f11573
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

tiffany@server01:~$ sudo mkfs.ext4 /dev/sdd2
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: 767f84e6-497a-44ca-8a32-0c5f97447372
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

tiffany@server01:~$ sudo mkfs.ext4 /dev/sdd3
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: 3c005e97-b2d0-4efc-be7a-cf260b16876a
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

tiffany@server01:~$
```

Nombre: Tiffany Andrea Jordán Uquillas

```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
tiffany@server01:~$ sudo mkfs.ext4 /dev/sdd2
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: 767f84e6-497a-44ca-8a32-0c5f97447372
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

tiffany@server01:~$ sudo mkfs.ext4 /dev/sdd3
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 262144 4k blocks and 65536 inodes
Filesystem UUID: 3c005e97-b2d0-4efc-be7a-cf260b16876a
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done

tiffany@server01:~$ sudo mkfs.ext4 /dev/sdd4
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 261883 4k blocks and 65536 inodes
Filesystem UUID: 545d43a9-4a32-4145-a7a1-c2badf2c38f5
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (4096 blocks): done
Writing superblocks and filesystem accounting information: done

tiffany@server01:~$ _
```

```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
squash 4.0                                0   100% /snap/firefox/3131
loop9
squash 4.0                                0   100% /snap/snapd/20092
loop10
squash 4.0                                0   100% /snap/snapd/19457
sda
├─sda1
├─sda2
├─sda3
│   └─ext4 1.0      938a0467-cc40-4c5f-a6a7-9d5730ca33ef 281,7M 30% /boot
└─sda3
    └─ext4 1.0      84a7ba36-13d8-4857-acec-e23559b09b44 14,2G 35% /var/snap/firefox/common
/host-hunspell
sdb
├─sdb1
├─sdb2
│   └─ext4 1.0      0e48eb9d-8a00-4ea6-bf29-b26142b06019 906,2M 0% /mnt/disco_2
└─sdb2
    └─ext4 1.0      b11cb37a-662a-4f1d-a660-f285571c289b 921,2M 0% /mnt/disco_3
sdc
├─sdc1
├─sdc2
├─sdc3
│   └─ext4 1.0      9634b79c-3e52-44b0-9f48-4f7c61002c3b 906,2M 0% /mnt/disco_4
└─sdc3
    └─ext4 1.0      c0c4eff3-15cd-4449-830d-4600c44a13a9 906,2M 0% /mnt/disco_5
sdd
├─sdd1
├─sdd2
├─sdd3
│   └─ext4 1.0      ac292334-dc89-4c7a-9510-b51ba1f11573
└─sdd3
    └─ext4 1.0      767f84e6-497a-44ca-8a32-0c5f97447372
sdd4
├─ext4 1.0      3c005e97-b2d0-4efc-be7a-cf260b16876a
└─ext4 1.0      545d43a9-4a32-4145-a7a1-c2badf2c38f5
sr0
tiffany@server01:~$ sudo nano /etc/fstab_
```

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```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 6.2 /etc/fstab *
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point> <type> <options> <dump> <pass>
# / was on /dev/sda3 during curtin installation
/dev/disk/by-uuid/84a7ba36-13d8-4857-acec-e23559b09b44 / ext4 defaults 0 1
# /boot was on /dev/sda2 during curtin installation
/dev/disk/by-uuid/938a0467-cc40-4c5f-a6a7-9d5730ca33ef /boot ext4 defaults 0 1
/swap.img none swap sw 0 0
/dev/sdb1 /mnt/disco_2 ext4 defaults 0 0
/dev/sdb2 /mnt/disco_3 ext4 defaults 0 0
/dev/sdc1 /mnt/disco_4 ext4 defaults 0 0
/dev/sdc2 /mnt/disco_5 ext4 defaults 0 0
/dev/sdc3 /mnt/disco_6 ext4 defaults 0 0
/dev/sdd1 /mnt/disco_2 ext4 defaults 0 0
/dev/sdd2 /mnt/disco_3 ext4 defaults 0 0
/dev/sdd3 /mnt/disco_4 ext4 defaults 0 0
/dev/sdd4 /mnt/disco_5 ext4 defaults 0 0

File Name to Write: /etc/fstab
^G Help M-D DOS Format M-A Append M-B Backup File
^C Cancel M-M Mac Format M-P Prepend ^T Browse
CTRL DERECHA
```

```
UbuntuServer clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
tiffany@server01:~$ sudo mount -a
tiffany@server01:~$ cd /mnt/disco_2
tiffany@server01:/mnt/disco_2$ ls
lost+found
tiffany@server01:/mnt/disco_2$ cd ..
tiffany@server01:/mnt$ cd disco_3
tiffany@server01:/mnt/disco_3$ ls
lost+found
tiffany@server01:/mnt/disco_3$ sudo mount /dev/sdd1 /mnt/disco_2
mount: /mnt/disco_2: /dev/sdd1 already mounted on /mnt/disco_2.
tiffany@server01:/mnt/disco_3$ sudo mount /dev/sdd4 /mnt/disco_5
mount: /mnt/disco_5: /dev/sdd4 already mounted on /mnt/disco_5.
tiffany@server01:/mnt/disco_3$ sudo mkdir /mnt/disco_7
tiffany@server01:/mnt/disco_3$ sudo mkdir /mnt/disco_8
tiffany@server01:/mnt/disco_3$ sudo mkdir /mnt/disco_9
tiffany@server01:/mnt/disco_3$ sudo mount /dev/sdd1 /mnt/disco_7
tiffany@server01:/mnt/disco_3$ sudo umount /mnt/disco_7
tiffany@server01:/mnt/disco_3$
```