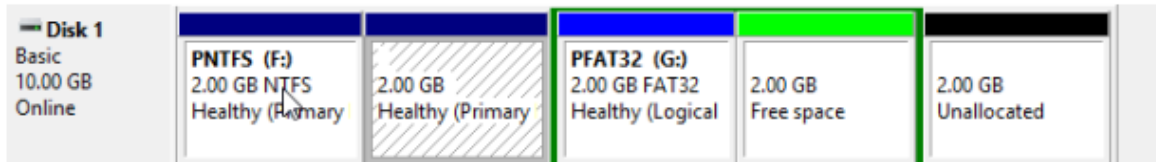


Exercise 1

First, let us create a new hard disk for the virtual machine. Then, we are going to create the following partitions:

- A NTFS primary partition of 2GB called PNTFS.
- An EXT4 primary partition of 2GB called PEXT4.
- An extended partition of 4GB.
- A logical partition of 2GB called PFAT32.

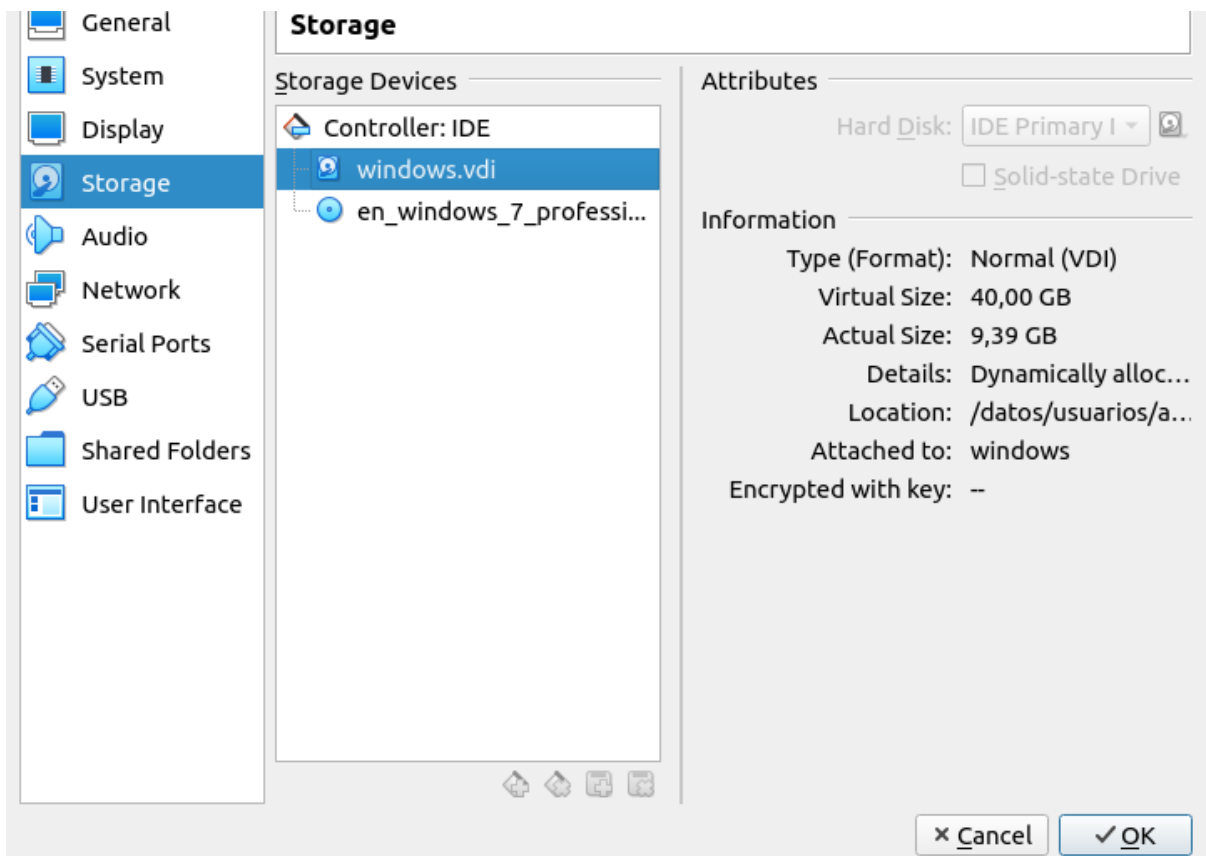
Now open Disk Management in Windows. You should have a configuration just like in the picture below.



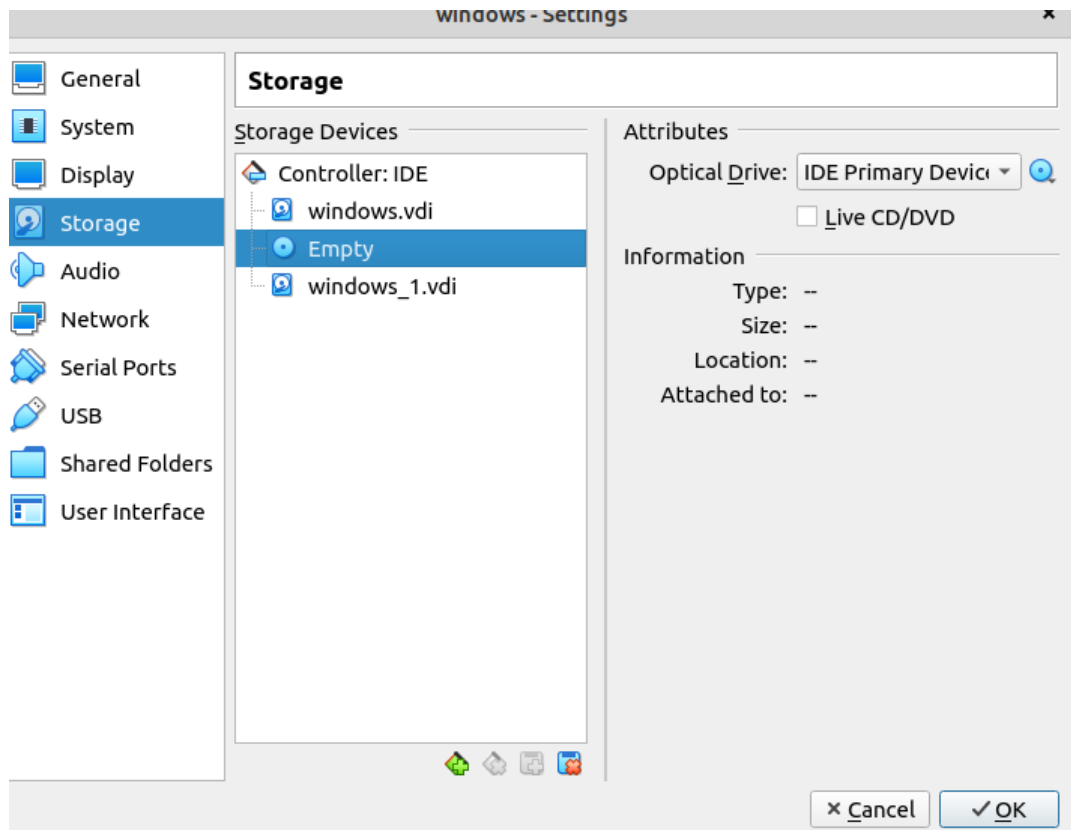
Answer the following questions

1. Why is the file system not shown in the second partition? **BECAUSE WINDOWS DON'T RECOGNIZE THE PARTITION EXT4 BECAUSE THAT FILE ONLY WORK IN LINUX.**
2. If you had to create a new partition to store 2 GB data, where would you put the partition in? Which file system should you use? Justify your answer. **I WOULD PUT IT IN THE EXTENDED PARTITION AS LOGICAL PARTITION**

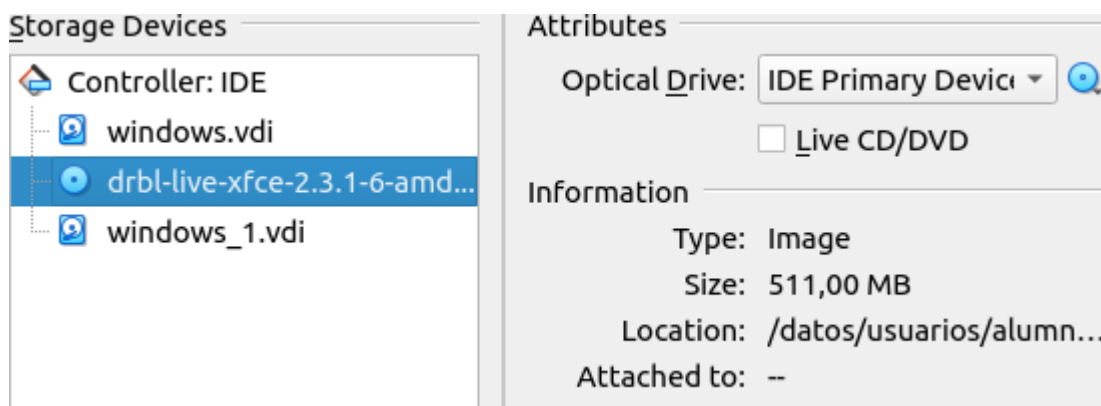
WE NEED A SECOND HARD DISK WHERE WE ARE GOING TO DO THE PARTITIONS WITH GPARTED BECAUSE IN THE FIRST HARD DISK WE HAVE THE OPERATIVE SYSTEM WINDOWS7



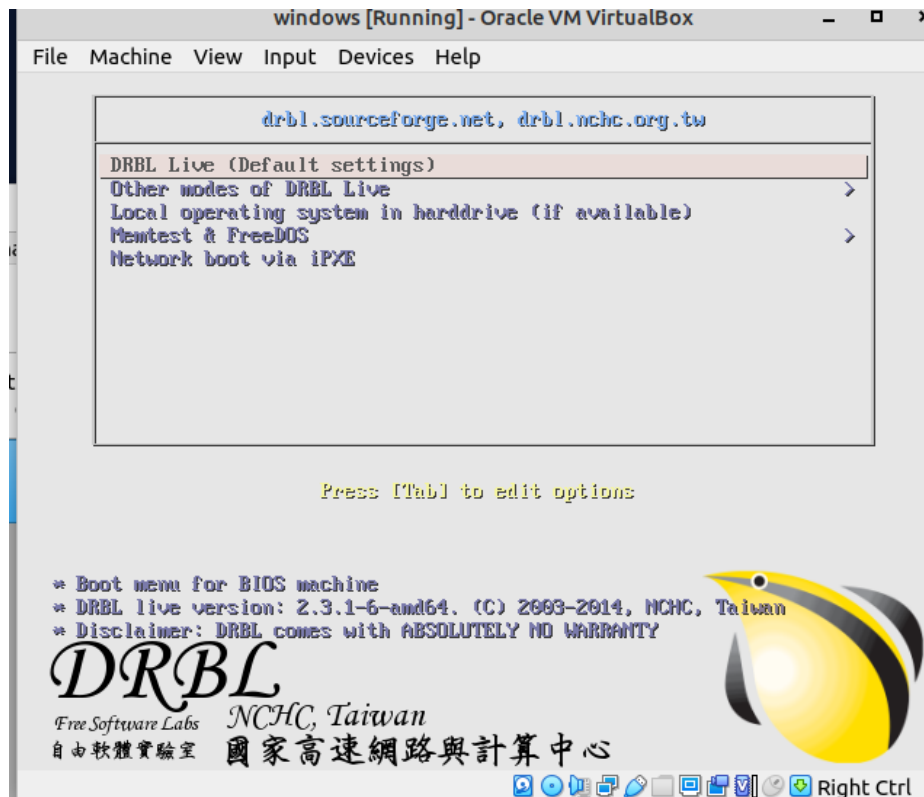
TO CREATE THE SECOND HARD DISK WE CLICK IN SETTING, STORAGE AND IN CONTROLLER:IDE THERE WE ADD THE HARD DISK WE CREATE IT WE ARE PUTTING 10GB



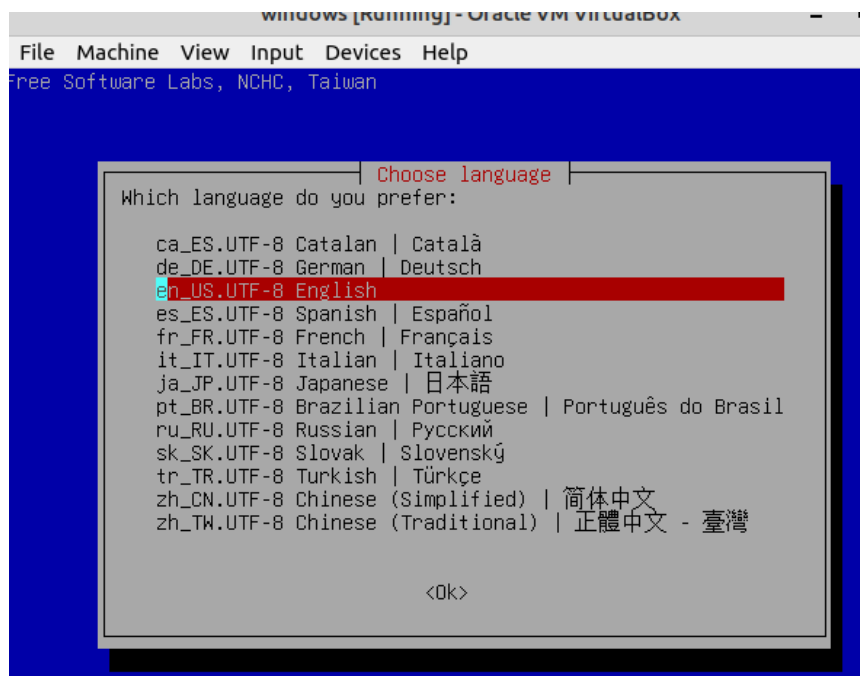
IN THE CD WE ADD THE ISO drbl-live-xfce-2.3.1.6-adm.iso WE START THE MACHINE, IT WILL OPEN



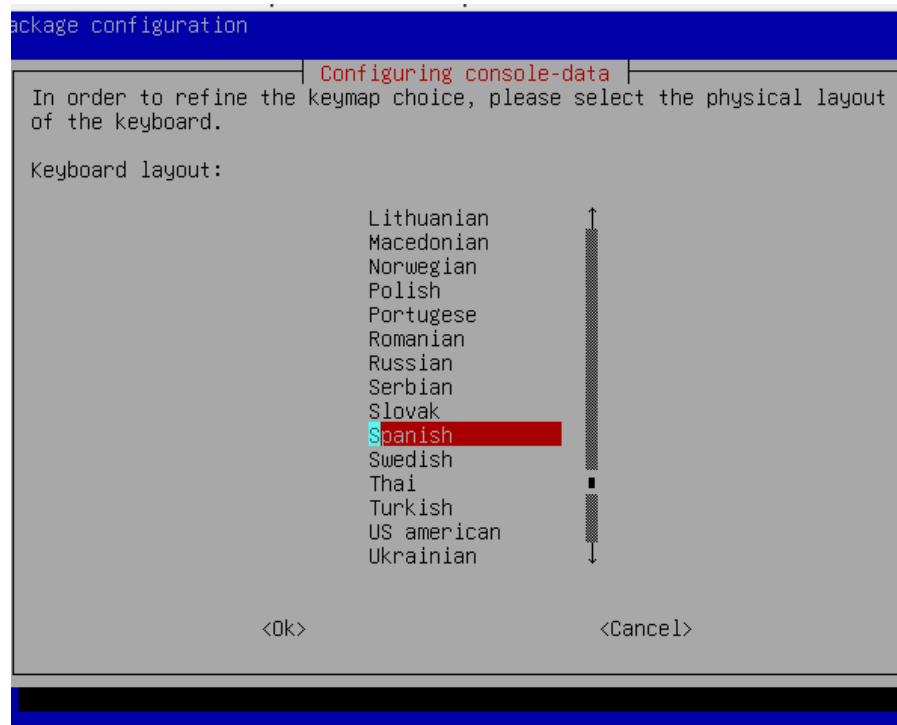
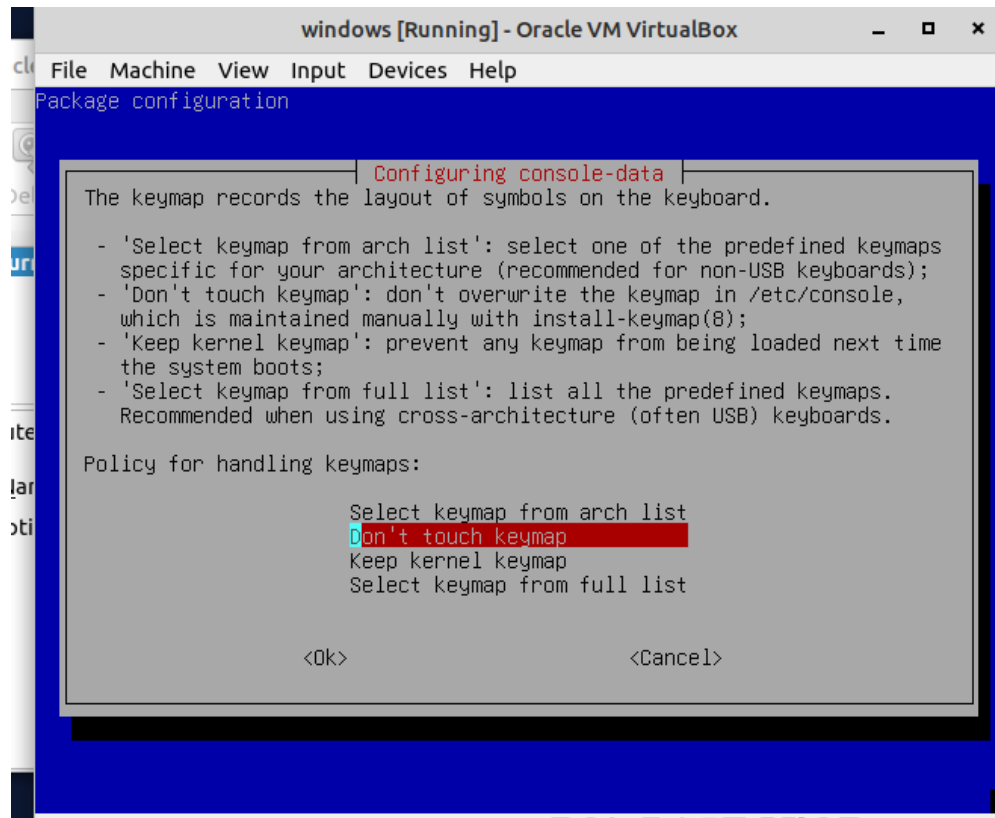
WE ARE SEEING THIS TAB WHERE WE NEED TO CHOOSE THE FIRST OPTION
DRBL LIVE.

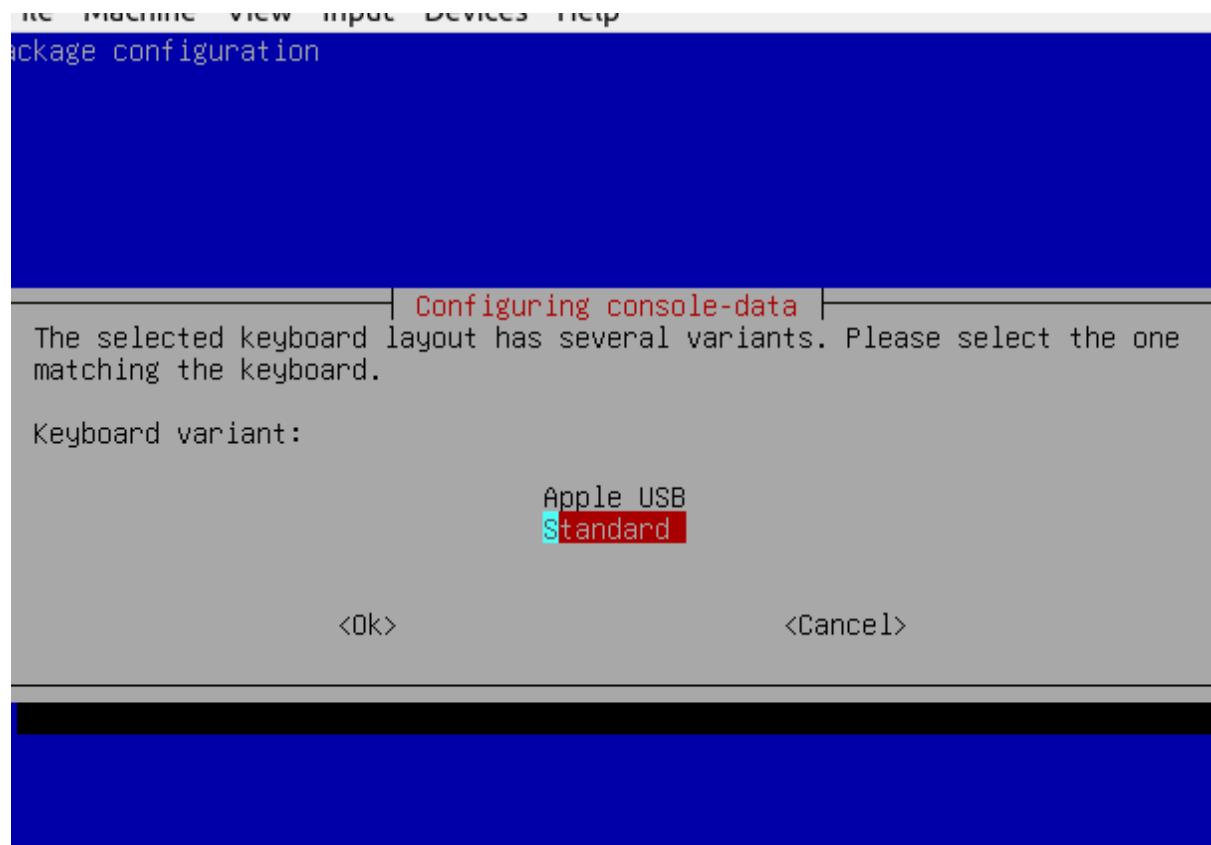


LANGUAGE ENGLISH



WE ARE GOING TO CHANGE THE KEEBOARD SO WE CHOOSE SELECT JEYMAP FORM FULL LIST.

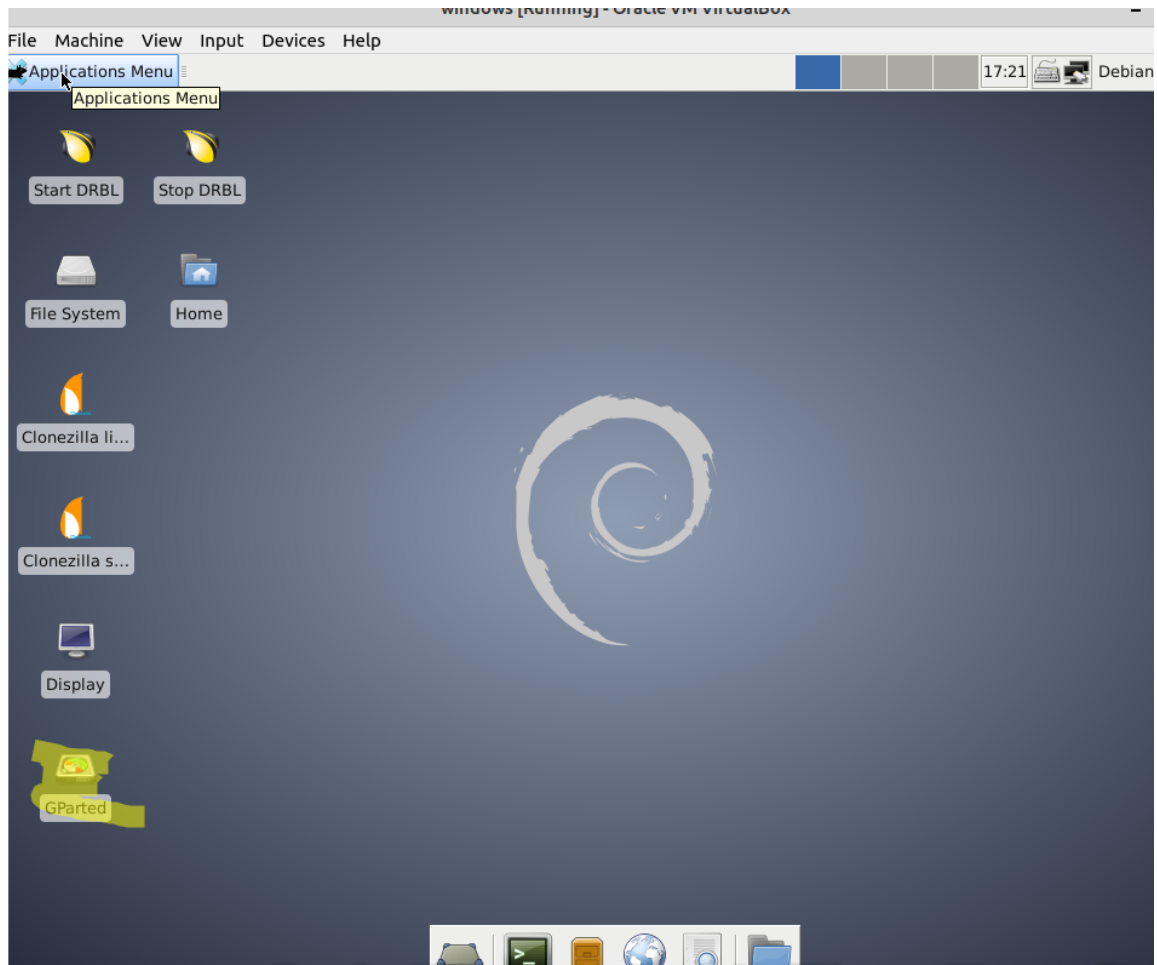




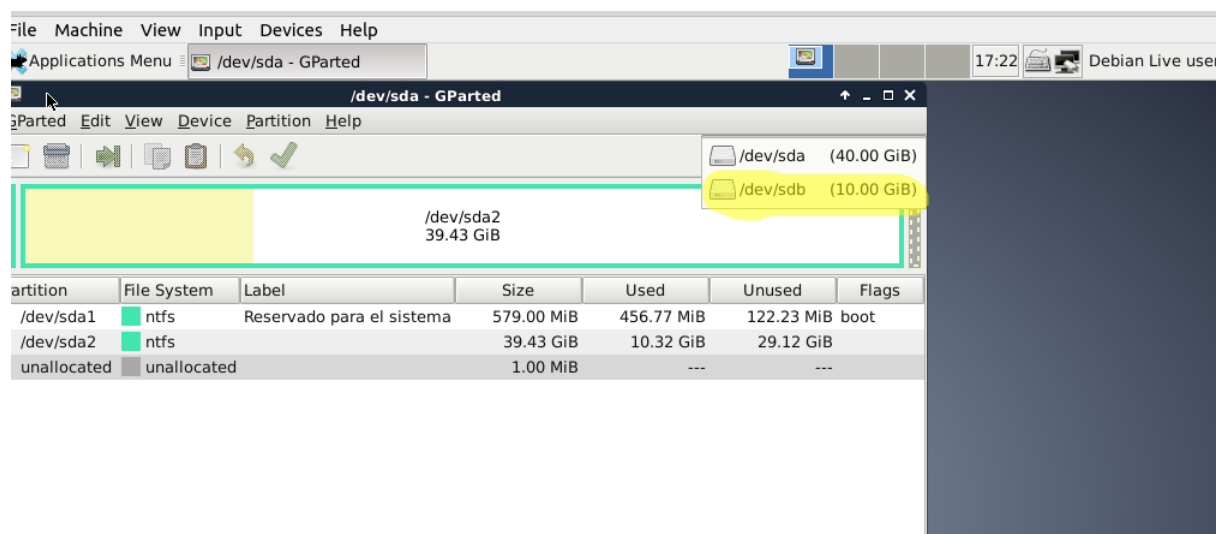
NOW WE ARE CHOOSING OUR GRAPHICAL ENVIRONMENT, IN THE FIRST QUESTION WE CHOOSE THE NUMBER 1, FOR RESOLUTION THE BEST ONE.

```
///NOTE/// Later we will enter graphical environment if you choose "0". However, if graphical environment (X-window) fails to start, you can:
Run "sudo Forcevideo-drbl-live" to configure it again. Choose 1024x768, 800x600 or 640x480 as your resolution and the driver for your VGA card, etc. Most of the time you can accept the default values if you have no idea about them.
If failing to enter graphical environment, and it does not return to text mode you can reboot again, and choose "1" here to config X manually.
-----
Which mode do you prefer?
(0) Continue to start X-window automatically to use DRBL live
(1) Run "Forcevideo-drbl-live" to configure X-window settings manually
(2) Enter command line prompt to configure X-window by yourself
[0] 1
*****
This program will create X-window config file with screen freq 60 Hz.
Which resolution do you want?
0: 640x480
1: 800x600
2: 1024x768
3: 1152x864
4: 1280x800
5: 1280x960
6: 1280x1024
7: 1440x1080
[2] 7
*****
What driver for your VGA card? E.g. vesa, i810, intel, nv, ati...
[vesa] █
```

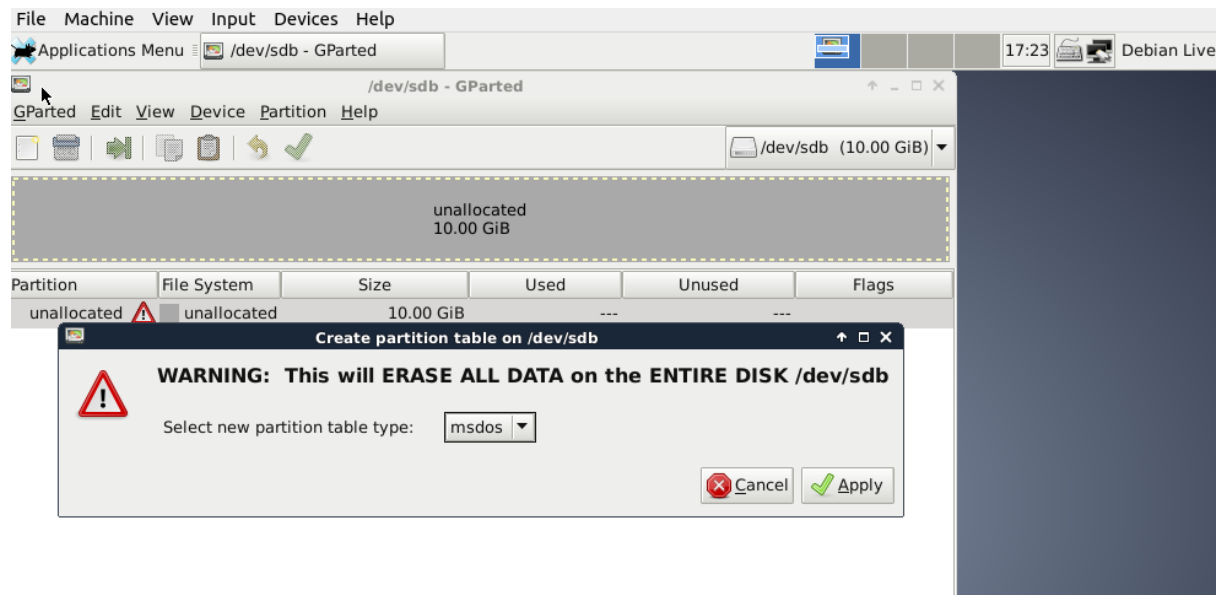
AS YOU CAN SEE WE HAVE INSTALLED OPERATING SYSTEM DEBIAN, WE CAN SEE THE APP OF GPARTED WE CLICK IN.



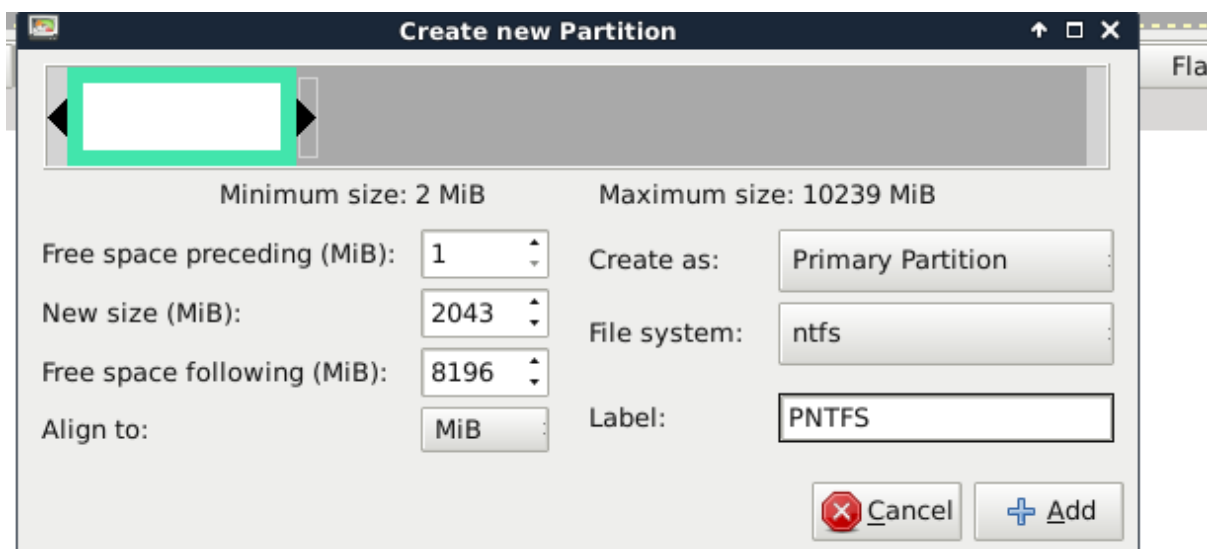
IT'S OPENNED WE SEE IT'S THE FIRST HARD DISK WHERE IS THE OPERATIVE SYSTEM OF WINDOWS7 WE NEED TO CHANGE IT TO THE NEW ONE WE CREATED BEFOR



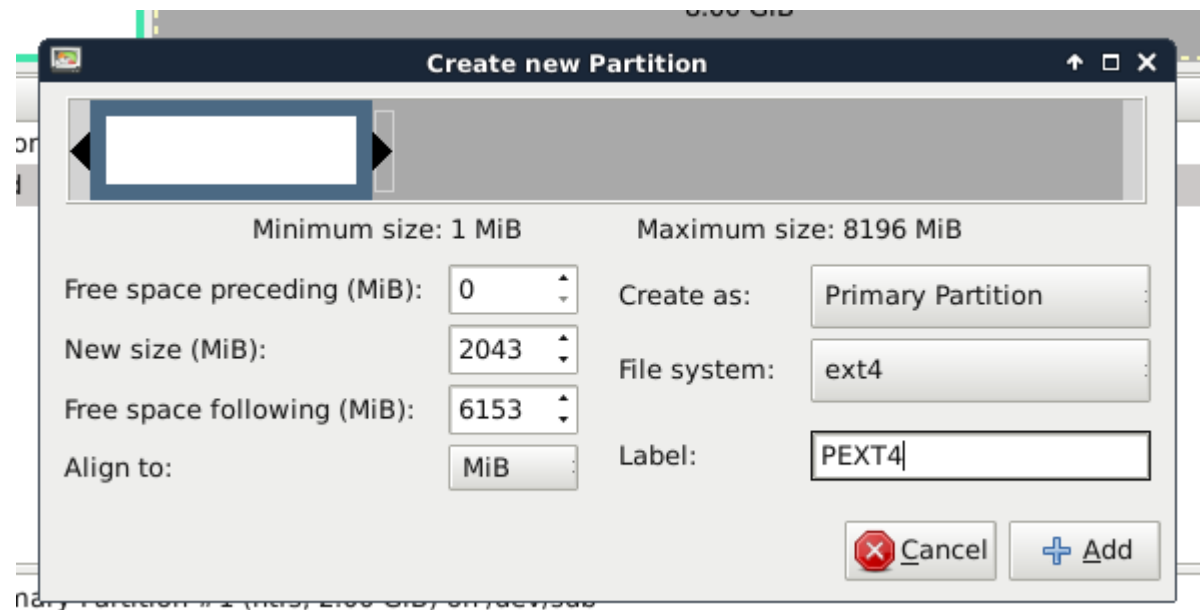
IT'S EMPTY SO WE NEED TO CREATE A PARTITION TABLE TO DO THAT WE ARE GOING TO DEVICE AND CLICK IN CREATE THE PARTITION TABLE, IT APPEARS A WARNING TAB AND CHOOSE THE TYPE OF THE PARTITION TABLE MSDOS.



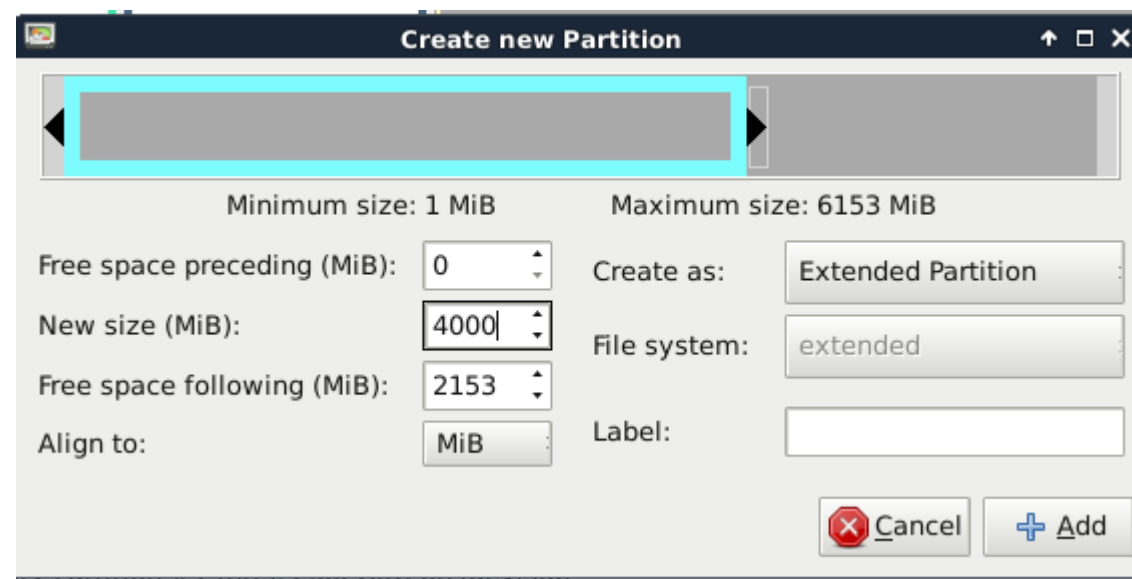
TO MAKE THE PARTITION WE NEED TO CLICK IN THE PARTITION THAT IS EMPTY AND WE CLICK CREATE NEW PARTITION.
OUR FIRST PARTITION WILL BE PRIMARY PARTITION WHIT 2GB, NTFS FILE SYSTEM AND NAMED PNTFS.
WE WILL DO THE SAME IN THE OTHERS PARTITION



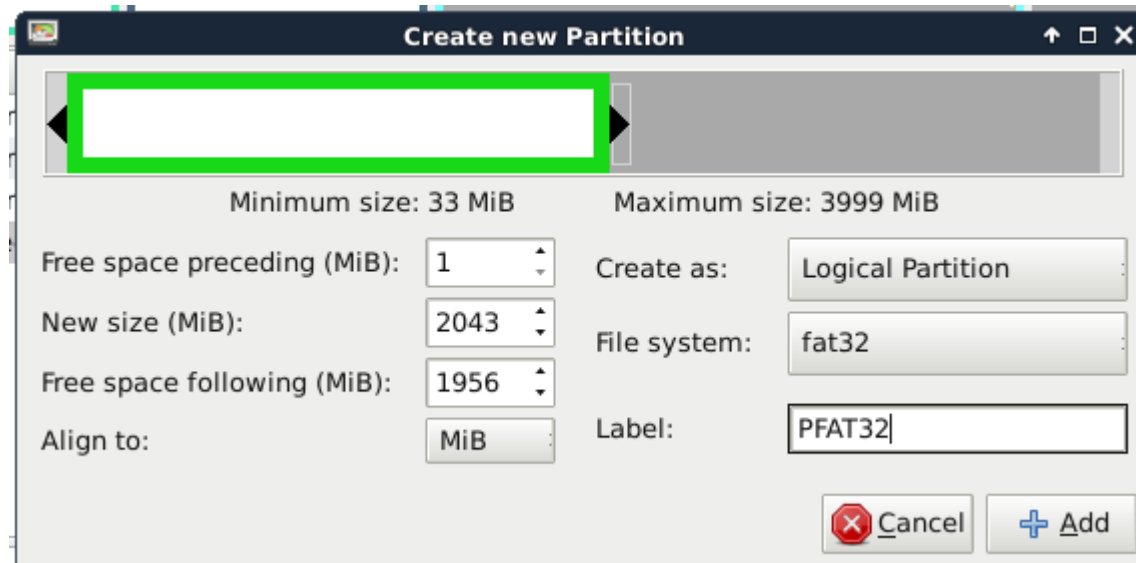
- An EXT4 primary partition of 2GB called PEXT4.



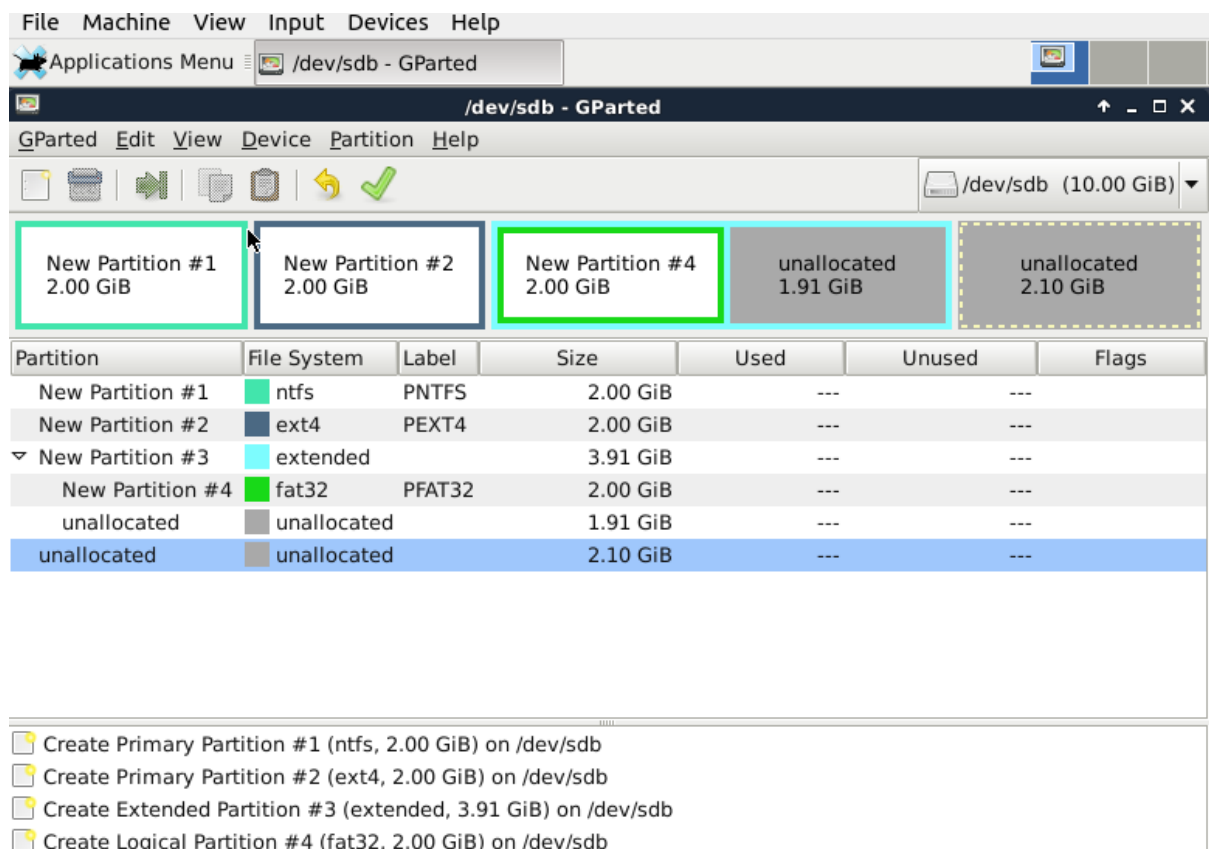
- An extended partition of 4GB.



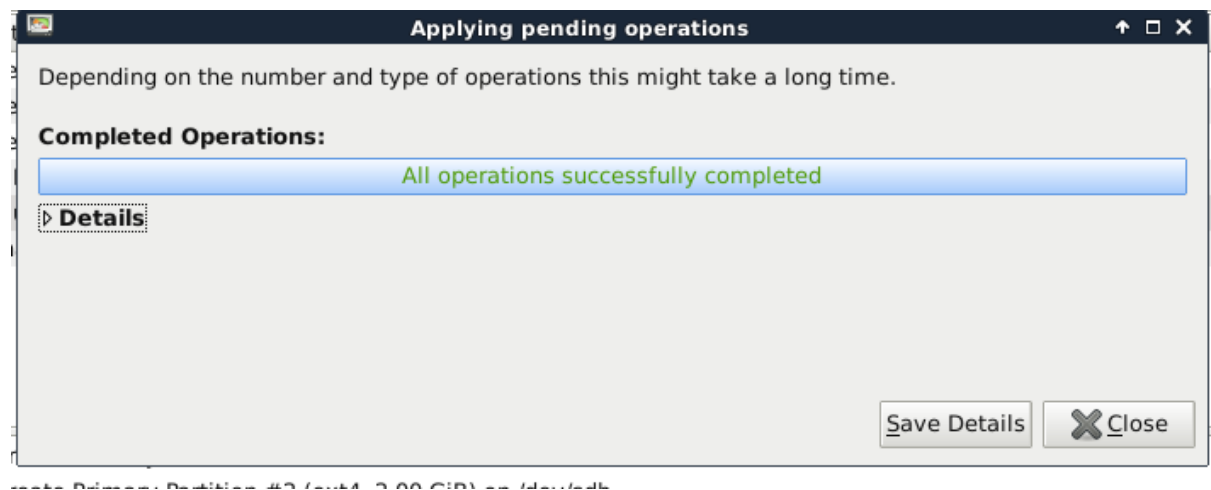
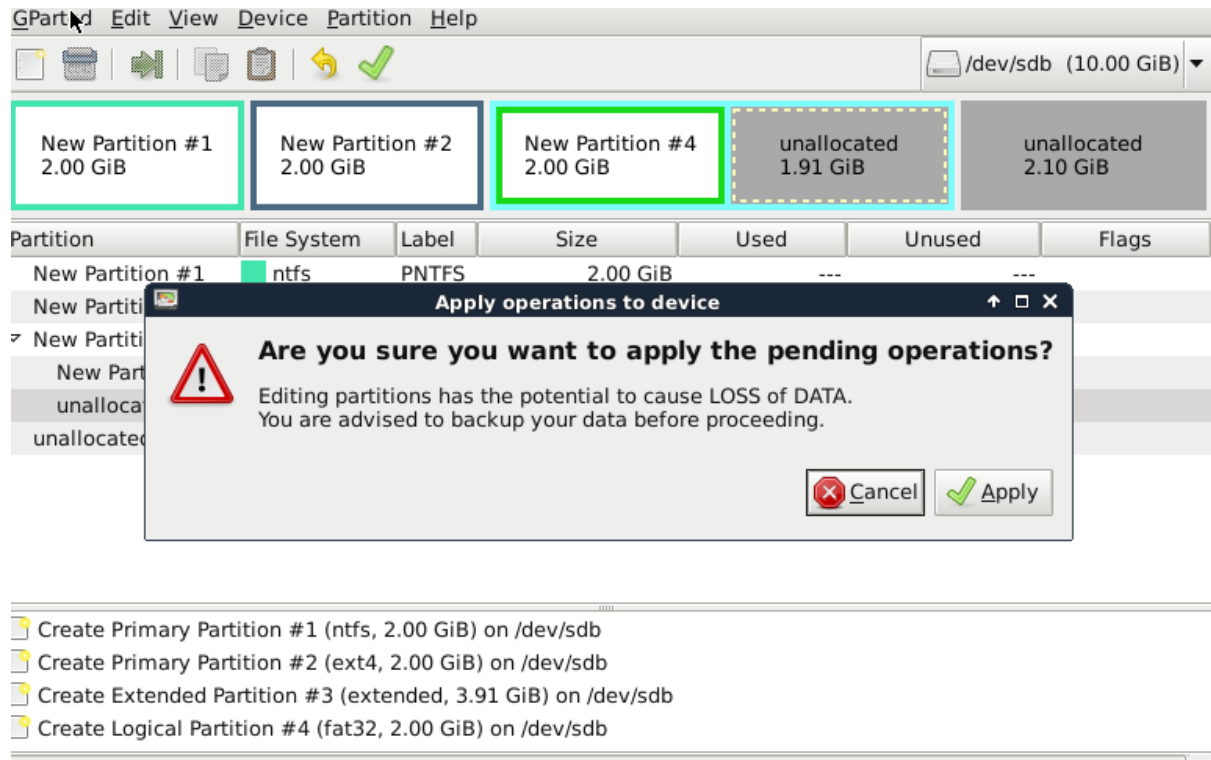
- A logical partition of 2GB called PFAT32.



THIS IS HOW THE TABLE PARTITION LOOK.



WE NEED TO APPLY WHAT WE HAVE CHANGED, WE CLICK IN THE TICK GRAPHIC IT WILL APPEAR A TAB WE CLICK IN APPLY. IT'S READY.



THIS IS HOW IT'S GOING TO LOOK IN THE DISK ADMINISTRATION IN WINDOWS

Administración de discos

Archivo Acción Ver Ayuda

← → ↻ ? 📄 🗨

Volumen	Distribución	Tipo	Sistema de ...	Estado	Capacidad	Espacio ...	% disponible
(C:)	Simple	Básico	NTFS	Correcto (...)	39,43 GB	22,15 GB	56 %
(Disco 0 Partición 2)	Simple	Básico		Correcto (...)	2,00 GB	2,00 GB	100 %
PFAT32 (E:)	Simple	Básico	FAT32	Correcto (...)	1,99 GB	1,99 GB	100 %
PNTFS (D:)	Simple	Básico	NTFS	Correcto (...)	2,00 GB	1,97 GB	99 %
Reservado para el ...	Simple	Básico	NTFS	Correcto (...)	579 MB	118 MB	20 %

Disco 0 Básico 10,00 GB En pantalla	PNTFS (D:) 2,00 GB NTFS Correcto (Partició		2,00 GB Correcto (Partició	PFAT32 (E:) 2,00 GB FAT32 Correcto (Unidac	1,91 GB Espacio libre	2,10 GB No asignado
	Reservado para el sistema 579 MB NTFS Correcto (Sistema, Activo, Partición prim		(C:) 39,43 GB NTFS Correcto (Arranque, Archivo de paginación, Volcado, Partición primaria			

■ No asignado ■ Partición primaria ■ Partición extendida ■ Espacio libre ■ Unidad lógica