

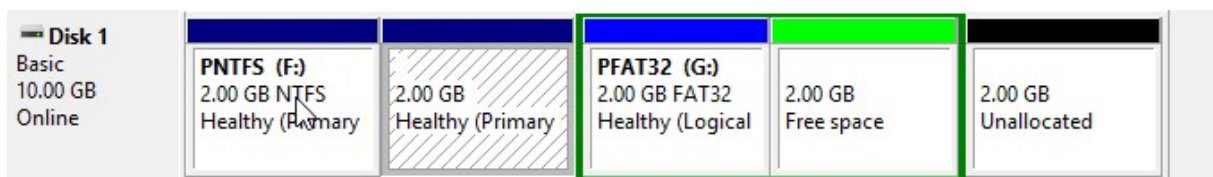
For the following exercises, you have to use a Windows 7 or 10 virtual machine. To solve the exercises, create a document with screenshots including the settings for each part.

Exercise 1

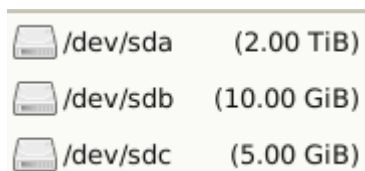
First, let us create a new hard disk for the virtual machine. Then, we are going to create the following partitions:

- 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.

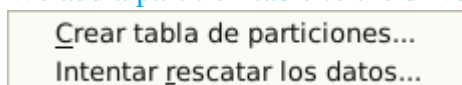
Now open Disk Management in Windows. You should have a configuration just like in the picture below.



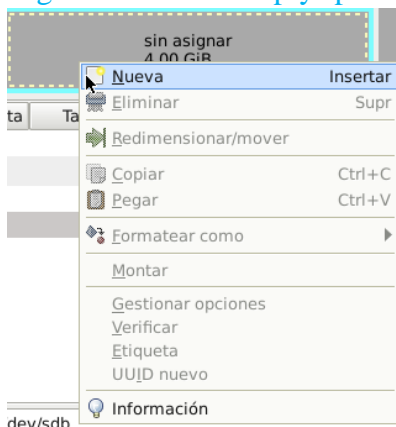
We select the correspondent drive device



We add a partition table to the drive, in our case msdos.

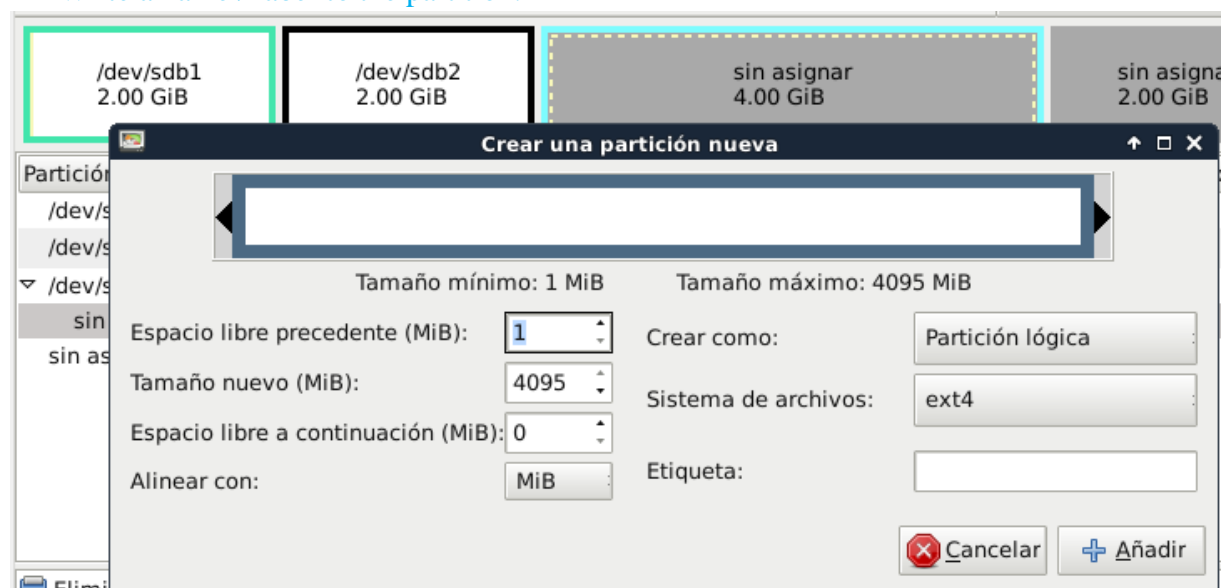


Right click on an empty space of the drive and then left click on new.

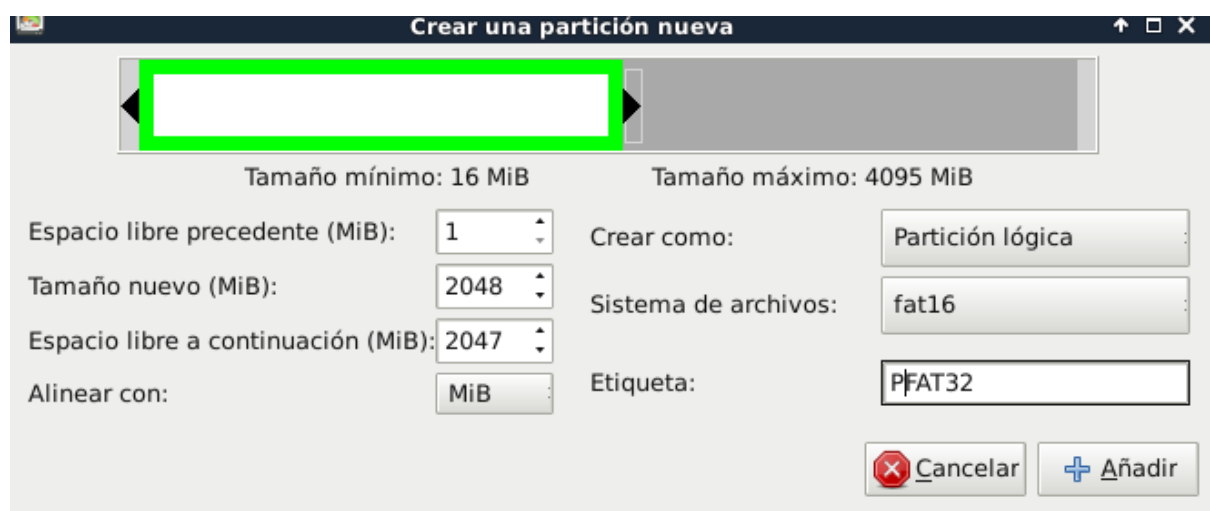


There will pop up a window where we would be able to:

- Select how much space will be free before the partition.
- Select the actual size of the partition.
- Select how much space will be free after the partition.
- Choose the type of the partition we want to create
- Choose the file system for the partition
- Write a name / label to the partition.



In this particular case, I am going to create a logical partition with a size of 2 GB. This is because I'm creating a new partition inside an extended partition. The file system will be fat 32.



We click on add, then we click on the green tick on the upper part of the window so the changes take effect.

/dev/sdb - GParted

GParted Editar Ver Dispositivo Partición Ayuda

/dev/sdb (10.00 GiB)

/dev/sdb1 2.00 GiB /dev/sdb2 2.00 GiB Partición nueva #1 2.00 GiB sin asignar 2.00 GiB sin asignar 2.00 GiB

Partición	Sistema de archivos	Etiqueta	Tamaño	Usado	Libre	Opciones
/dev/sdb1	ntfs	PNTFS	2.00 GiB	25.13 MiB	1.98 GiB	
/dev/sdb2	desconocido		2.00 GiB	---	---	
▼ /dev/sdb3	extended		4.00 GiB	---	---	
Partición nueva #1	fat16	PFAT32	2.00 GiB	---	---	
sin asignar	sin asignar		2.00 GiB	---	---	
sin asignar	sin asignar		2.00 GiB	---	---	

Eliminar Partición lógica (fat32, 2.00 GiB) de /dev/sdb
 Crear Partición lógica #1 (fat16, 2.00 GiB) en /dev/sdb

2 operaciones pendientes

/dev/sdb - GParted

GParted Editar Ver Dispositivo Partición Ayuda

/dev/sdb (10.00 GiB)

/dev/sdb1 2.00 GiB /dev/sdb2 2.00 GiB /dev/sdb5 2.00 GiB sin asignar 2.00 GiB sin asignar 2.00 GiB

Partición	Sistema de archivos	Etiqueta	Tamaño	Usado	Libre	Opciones
/dev/sdb1	ntfs	PNTFS	2.00 GiB	25.13 MiB	1.98 GiB	
/dev/sdb2	desconocido		2.00 GiB	---	---	
▼ /dev/sdb3	extended		4.00 GiB	---	---	
/dev/sdb5	fat16	PFAT32	2.00 GiB	256.00 KiB	2.00 GiB	
sin asignar	sin asignar		2.00 GiB	---	---	
sin asignar	sin asignar		2.00 GiB	---	---	

0 operaciones pendientes

Answer the following questions

Answer the following questions

Disco 2 Básico 5,00 GB En pantalla	ONE (G:) 1,00 GB FAT3 Correcto (Par	FOUR (I:) 1,00 GB NTF Correcto (Ur	1,00 GB Correcto (Par	SIX (J:) 512 MB FA1 Correcto (U	509 MB Espacio lib	THREE (K:) 1023 MB FAT: Correcto (Par
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1. How does GParted name the new hard disk?

In my case, Linux named the third disk sdc

2. List all the partitions you have created, indicating type and file system.

Administración de discos							
Archivo Acción Ver Ayuda							
<div> <div>← → ↺ ↻</div> <div> <div>🔍</div> <div>🗑️</div> <div>📁</div> <div>📄</div> </div> </div>							
Volumen	Distribución	Tipo	Sistema de ...	Estado	Capacidad	Espacio ...	% disponible
(C:)	Simple	Básico	NTFS	Correcto (...)	78,13 GB	66,59 GB	85 %
(D:)	Simple	Básico	NTFS	Correcto (...)	78,03 GB	66,20 GB	85 %
(Disco 1 Partición 2)	Simple	Básico		Correcto (...)	2,00 GB	2,00 GB	100 %
(Disco 2 Partición 4)	Simple	Básico		Correcto (...)	1,00 GB	1,00 GB	100 %
FOUR (I:)	Simple	Básico	NTFS	Correcto (...)	1,00 GB	1000 MB	98 %
ONE (G:)	Simple	Básico	FAT32	Correcto (...)	1022 MB	1022 MB	100 %
PFAT32 (H:)	Simple	Básico	FAT32	Correcto (...)	2,00 GB	2,00 GB	100 %
PNTFS (F:)	Simple	Básico	NTFS	Correcto (...)	2,00 GB	1,97 GB	99 %
Reservado para el ...	Simple	Básico	NTFS	Correcto (...)	100 MB	66 MB	66 %
SIX (J:)	Simple	Básico	FAT32	Correcto (...)	511 MB	511 MB	100 %
THREE (K:)	Simple	Básico	FAT32	Correcto (...)	1021 MB	1021 MB	100 %

Disco 0 Básico 2048,00 GB En pantalla	Reservado pa 100 MB NTFS Correcto (Siste	(D:) 78,03 GB NTFS Correcto (Partición primaria)	(C:) 78,13 GB NTFS Correcto (Arranque, Archivo de paginaci	1891,75 GB No asignado
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Disco 1 Básico 10,00 GB En pantalla	PNTFS (F:) 2,00 GB NTFS Correcto (Particié	2,00 GB Correcto (Particié	PFAT32 (H:) 2,00 GB FAT32 Correcto (Unidad	2,00 GB Espacio libre	2,00 GB No asignado
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Disco 2 Básico 5,00 GB En pantalla	ONE (G:) 1,00 GB FAT3 Correcto (Par	FOUR (I:) 1,00 GB NTF Correcto (Ur	1,00 GB Correcto (Par	SIX (J:) 512 MB FA1 Correcto (U	509 MB Espacio lib	THREE (K:) 1023 MB FAT: Correcto (Par
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CD-ROM 0 CD-ROM (E:)	No hay medios				
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■ No asignado

■ Partición primaria

■ Partición extendida

■ Espacio libre

■ Unidad lógica