

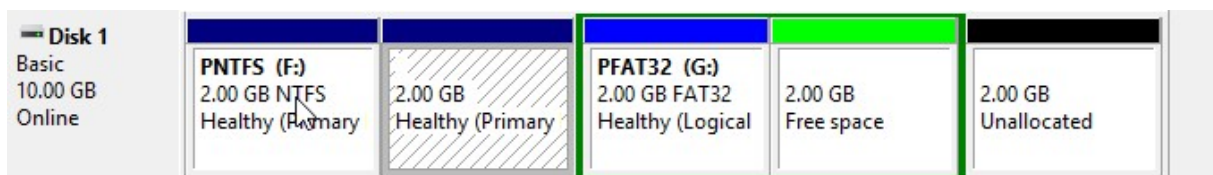
For the following exercises, you have to use a Windows 7 or 10 virtual machine. To solve the exercises, create a document with screenshots including the settings for each part.

Exercise 1

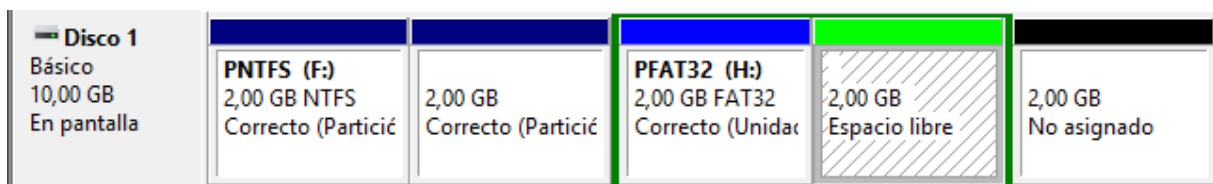
First, let us create a new hard disk for the virtual machine. Then, we are going to create the following partitions:

- 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.



Answer the following questions



1. Why is the file system not showed in the second partition?
Because windows does not recognize ext4 file sistem.
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.
We can only use the last bit of the sectors of the disk, as are the only sectors free. I would use ntfs file system as we are going to be sing windows.

Exercise 2

Create a new disk of 5GB in the same Windows virtual machine. Now, configure the partitions with GParted to get the following result:

Disk 2 Basic 5.00 GB Online	ONE (E:) 1.00 GB FAT Healthy (Prin	FOUR (F:) 1,00 GB NTFS Healthy (Lo	1.00 GB Healthy (Prin	SIX (G:) 512 MB FAT32 Healthy (Lo	509 MB Free space	THREE (H:) 1,00 GB FAT32 Healthy (Prim
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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							
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 %

<div><div></div><div>Disco 0</div></div> <div>Básico 2048,00 GB En pantalla</div>	<div>Reservado para el sistema (Sistema de archivos: NTFS) 100 MB NTFS Correcto (Sistema de archivos)</div>	<div>(D:) 78,03 GB NTFS Correcto (Partición primaria)</div>	<div>(C:) 78,13 GB NTFS Correcto (Arranque, Archivo de paginación)</div>	<div>1891,75 GB No asignado</div>		
<div><div></div><div>Disco 1</div></div> <div>Básico 10,00 GB En pantalla</div>	<div>PNTFS (F:) 2,00 GB NTFS Correcto (Partición)</div>	<div>2,00 GB Correcto (Partición)</div>	<div>PFAT32 (H:) 2,00 GB FAT32 Correcto (Unidad)</div>	<div>2,00 GB Espacio libre</div>	<div>2,00 GB No asignado</div>	
<div><div></div><div>Disco 2</div></div> <div>Básico 5,00 GB En pantalla</div>	<div>ONE (G:) 1,00 GB FAT3 Correcto (Partición)</div>	<div>FOUR (I:) 1,00 GB NTFS Correcto (Unidad)</div>	<div>1,00 GB Correcto (Partición)</div>	<div>SIX (J:) 512 MB FAT Correcto (Unidad)</div>	<div>509 MB Espacio libre</div>	<div>THREE (K:) 1023 MB FAT3 Correcto (Partición)</div>
<div><div></div><div>CD-ROM 0</div></div> <div>CD-ROM (E:) No hay medios</div>						

No asignado Partición primaria Partición extendida Espacio libre Unidad lógica

