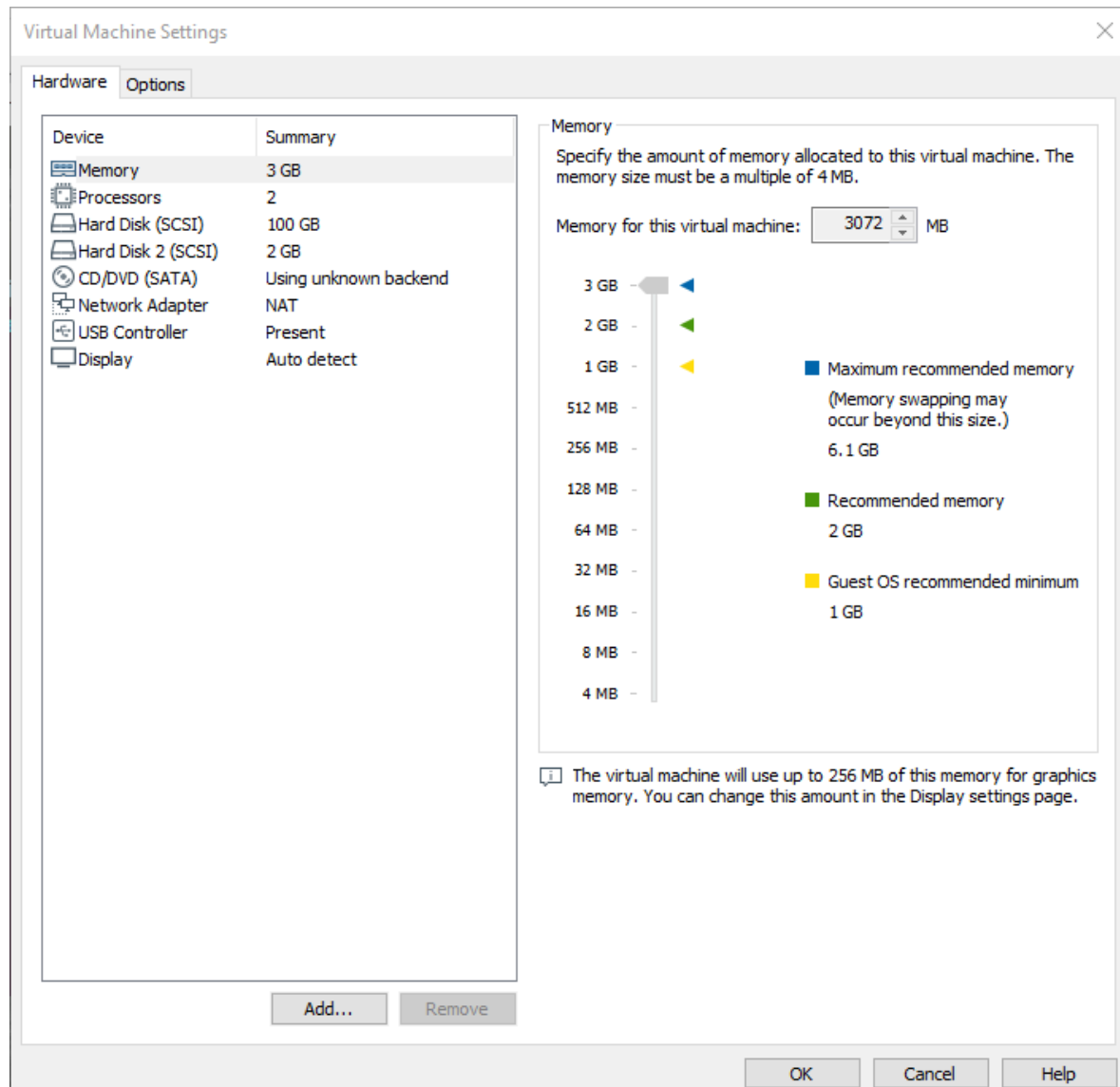


Crear particiones en un disco duro virtual de 2 GB.

Creamos el disco duro virtual desde las configuraciones de la VM. Reiniciamos el equipo para que se reconozca el dispositivo.



Comprobamos su existencia con *fdisk -l*.

```
Disk /dev/sdb: 2 GiB, 2147483648 bytes, 4194304 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
```

Seleccionamos el disco que queremos utilizar:

```
sansforensics@lezlyceron: ~
$ sudo fdisk /dev/sdb

Welcome to fdisk (util-linux 2.31.1).
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 0x052226ef.

Command (m for help):
```

Creamos las particiones con *n*.

```
Command (m for help): n
Partition type
   p   primary (2 primary, 0 extended, 2 free)
   e   extended (container for logical partitions)
Select (default p): p
Partition number (3,4, default 3): 3
First sector (2050048-4194303, default 2050048):
Last sector, +sectors or +size{K,M,G,T,P} (2050048-4194303, default 4194303): +500M

Created a new partition 3 of type 'Linux' and of size 500 MiB.

Command (m for help): n
Partition type
   p   primary (3 primary, 0 extended, 1 free)
   e   extended (container for logical partitions)
Select (default e): e

Selected partition 4
First sector (3074048-4194303, default 3074048):
Last sector, +sectors or +size{K,M,G,T,P} (3074048-4194303, default 4194303): +500M
```

Cambiamos el tipo de partición con *t* y con *p* vemos las particiones que hemos generado.

```
Command (m for help): p
Disk /dev/sdb: 2 GiB, 2147483648 bytes, 4194304 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0x052226ef
```

Device	Boot	Start	End	Sectors	Size	Id	Type
/dev/sdb1		2048	1026047	1024000	500M	83	Linux
/dev/sdb2		1026048	2050047	1024000	500M	82	Linux swap / Solaris
/dev/sdb3		2050048	3074047	1024000	500M	7	HPFS/NTFS/exFAT
/dev/sdb4		3074048	4098047	1024000	500M	5	Extended

Escribimos los cambios.

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

Analizamos el MBR con el comando `sudo dd if=/dev/sdb count=1|hd`:

```
sansforensics@lezlyceron: ~
$ sudo dd if=/dev/sdb count=1|hd
00000000  00 00 00 00 00 00 00 00  00 00 00 00 00 00 00  |.....|
*
000001b0  00 00 00 00 00 00 00 00  ef 26 22 05 00 00 00 20  |.....&"....|
000001c0  21 00 83 dd 1e 3f 00 08  00 00 00 a0 0f 00 00 dd  |!....?.....|
000001d0  1f 3f 82 9b 1c 7f 00 a8  0f 00 00 a0 0f 00 00 9b  |.?.....|
000001e0  1d 7f 07 59 1a bf 00 48  1f 00 00 a0 0f 00 00 59  |...Y...H.....Y|
000001f0  1b bf 05 17 18 ff 00 e8  2e 00 00 a0 0f 00 00 55 aa  |.....U.|
1+0 records in
1+0 records out
```

Tipo de partición

Partición 1

Partición 2

Partición 3

Partición 4

Fin del MBR