

01.GParted exercise

Windows 10 x86

VHD 10 GB

Oracle VM Virtual Box Version 6.1.14 r140239 (Qt5.6.2).

drbl-live-xfce-2.3.1-6-amd64

Exercise 1

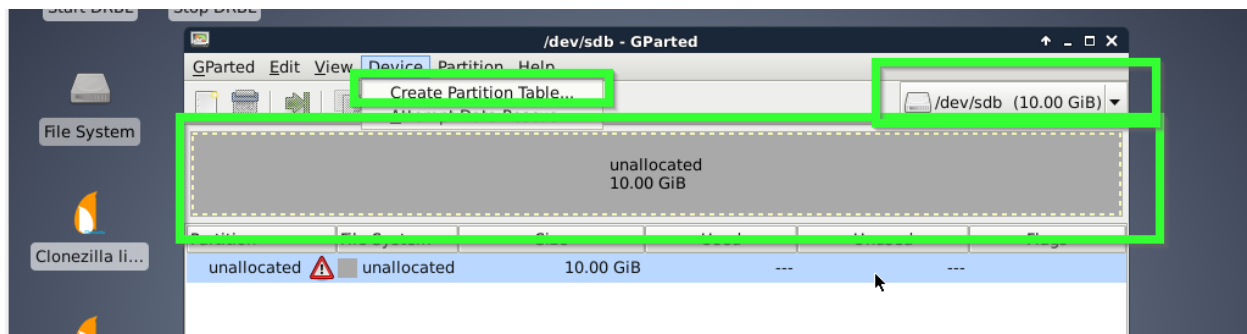
Let's create a new 10 GB hard disk for the virtual machine.

Create the following partitions:

- A NTFS primary partition of 2GB called NTFS.
- An EXT4 primary partition of 2GB called EXT4.
- An extended partition of 4GB.
- A logical partition of 2GB called FAT32.

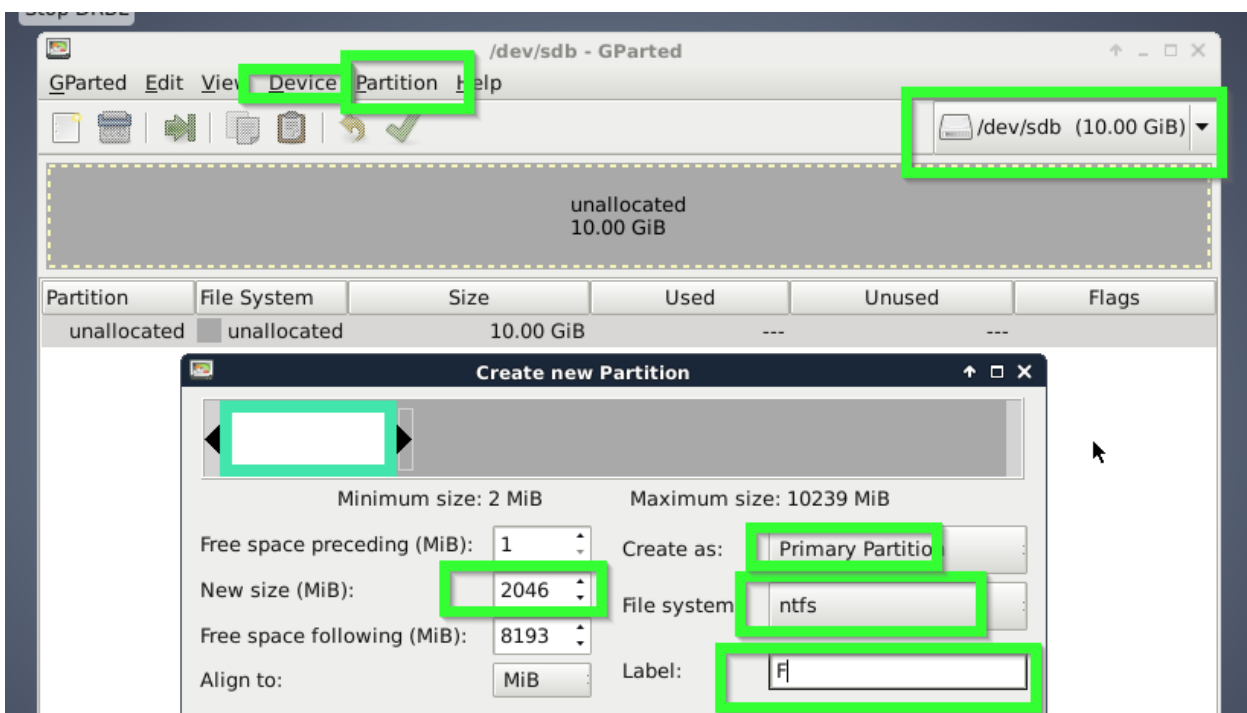
1. Start the vm with the luve drbl-live-xfce-2.3.1-6-amd64

2. Let's run GParted and select the HD (sdb). Create a new partition, click on Device

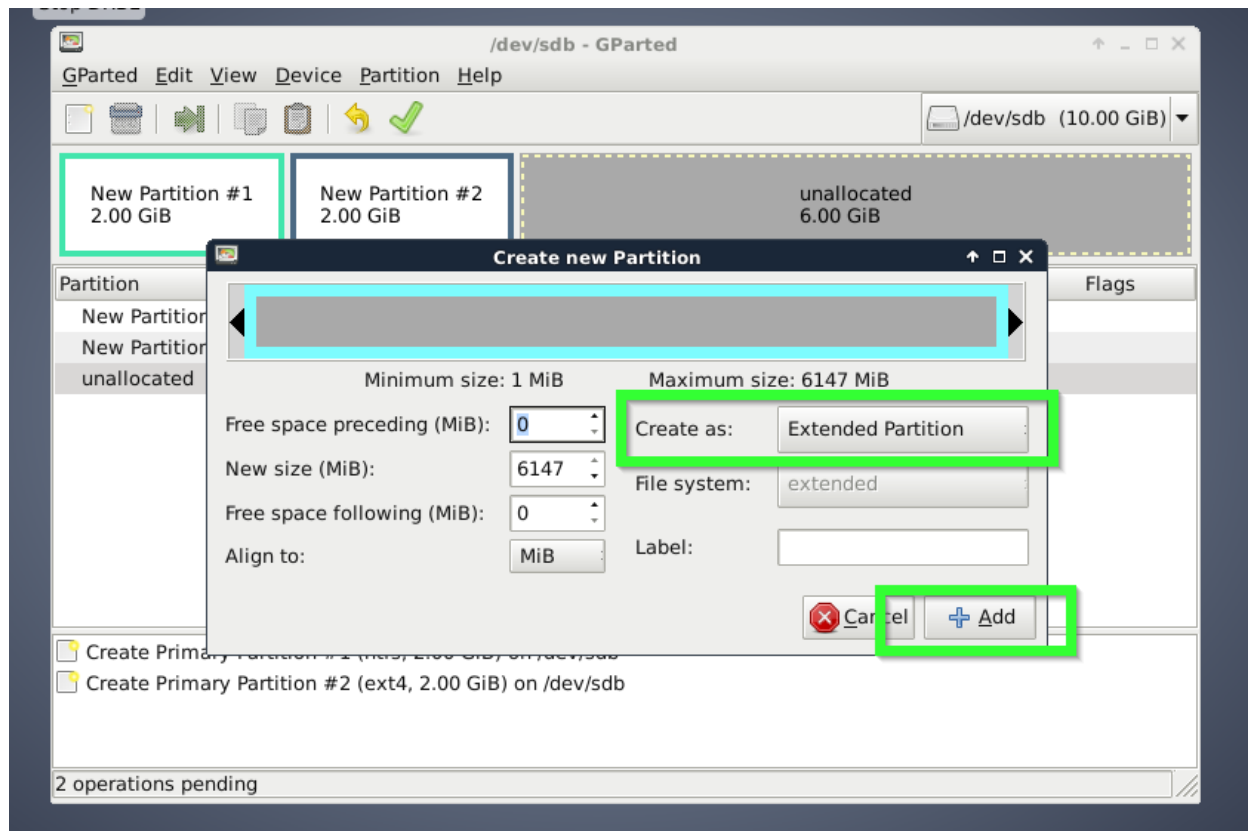


3. A NTFS primary partition of 2GB called NTFS.

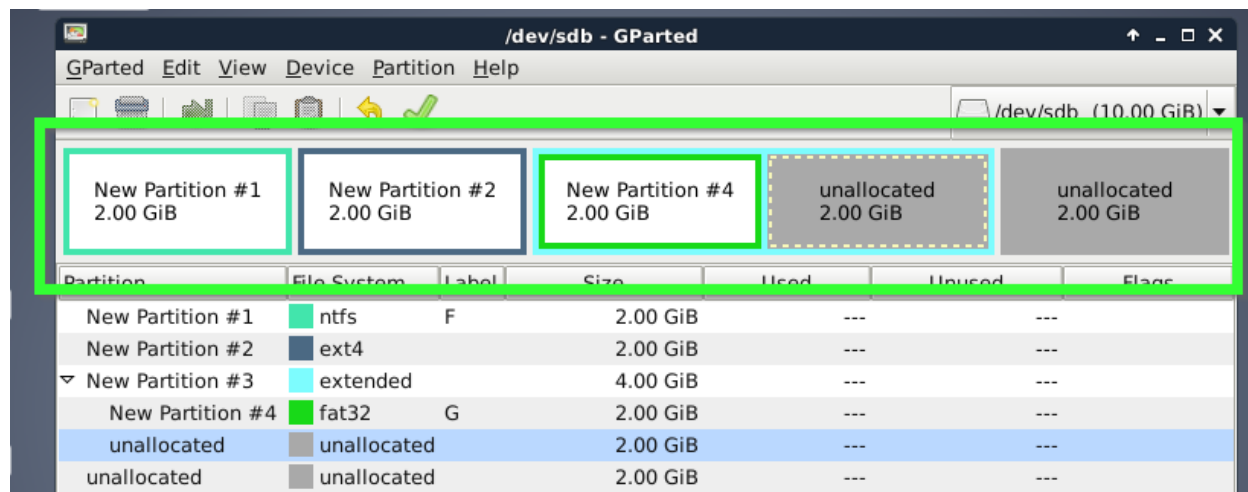
In partition select new and set size, partition type, file system and label



- An extended partition of 4GB.

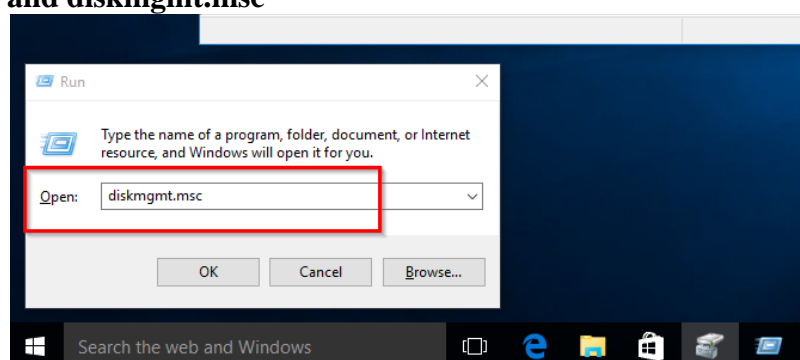


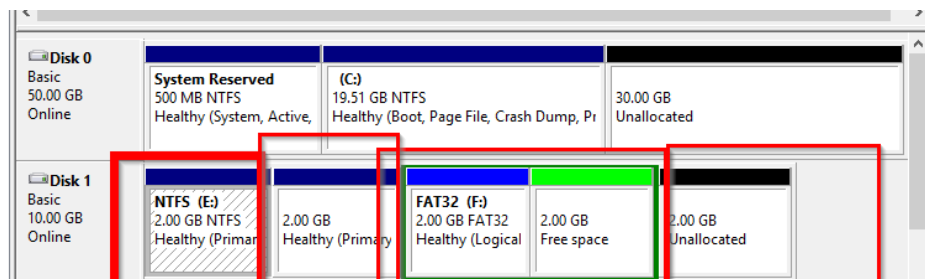
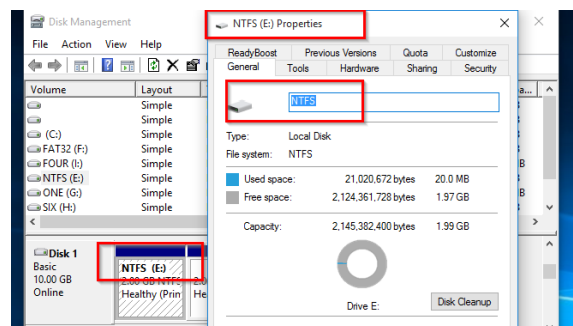
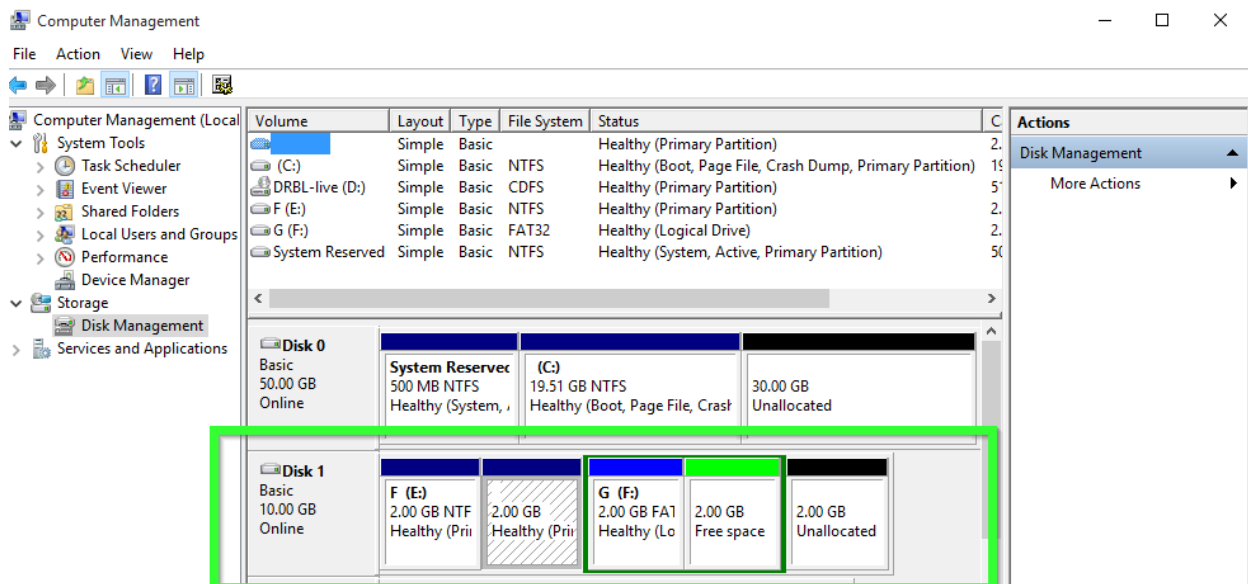
- Resized extended partition to 4 GB.



- Restart W10 and n extended partition to 4 GB.

Windows key + R and diskmgmt.msc





Answer the following questions

1. **Why is the file system not showed in the second partition?** Because is a GNU/Linux file system.
2. **If you had to create a new partition to store 2 GB data, where would you put the partition in? In the unallocated space. Which file system should you use? Justify your answer.**

In a Microsoft OS, in this case W10 we can select FAT32 (File Allocation Table, supports a 32-bit allocation table) or ntfs. They are native file system formats of Windows. FAT32 it is compatible with GNU/Linux and macOS, although only allows up to 4 Gb. ntfs is not total compatible with (macOS can read but not write). ExtX can only be used within the distributions.

02. GParted exercise

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VHD 10 GB

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drbl-live-xfce-2.3.1-6-amd64

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

Answer the following questions

1. How does GParted name the new hard disk? sdc
2. List all the partitions you have created, indicating type and file system.

