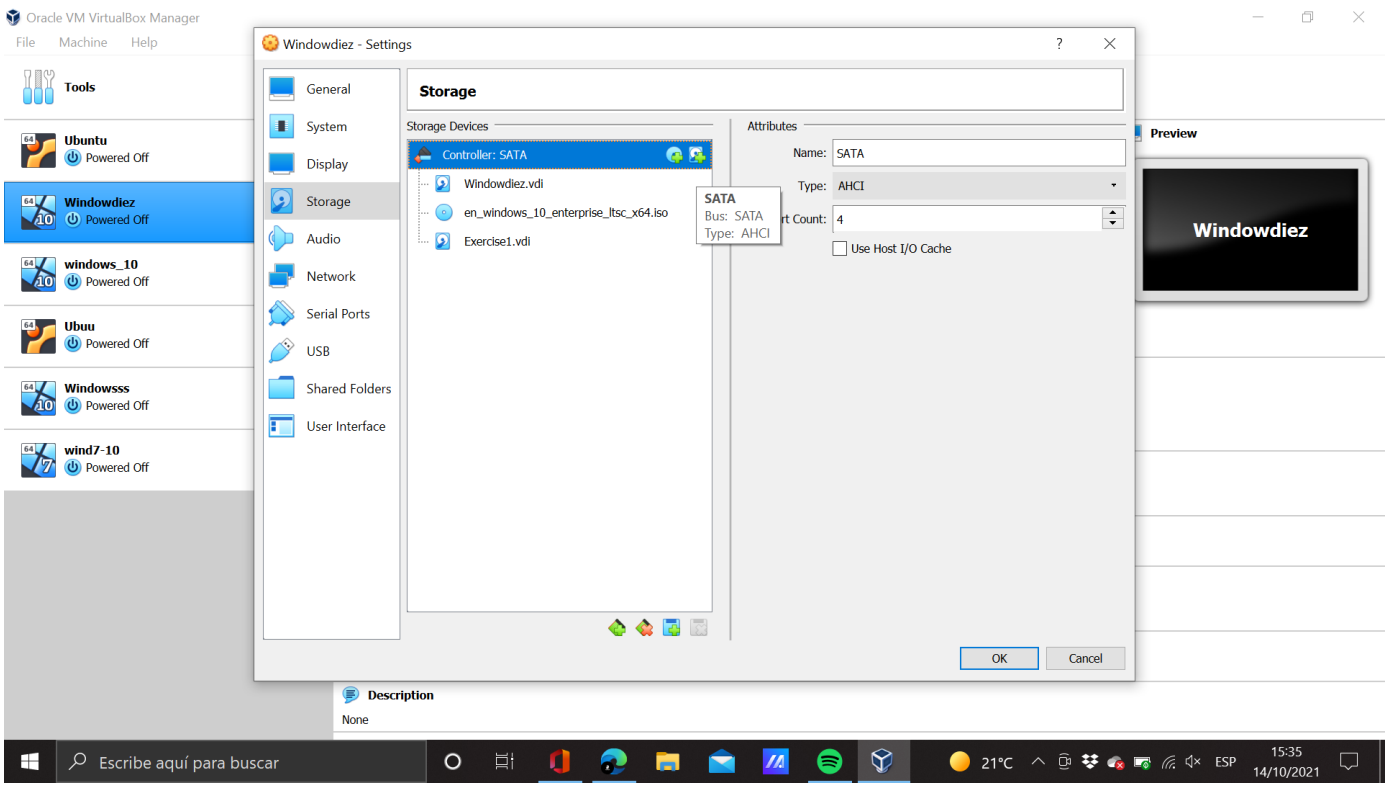
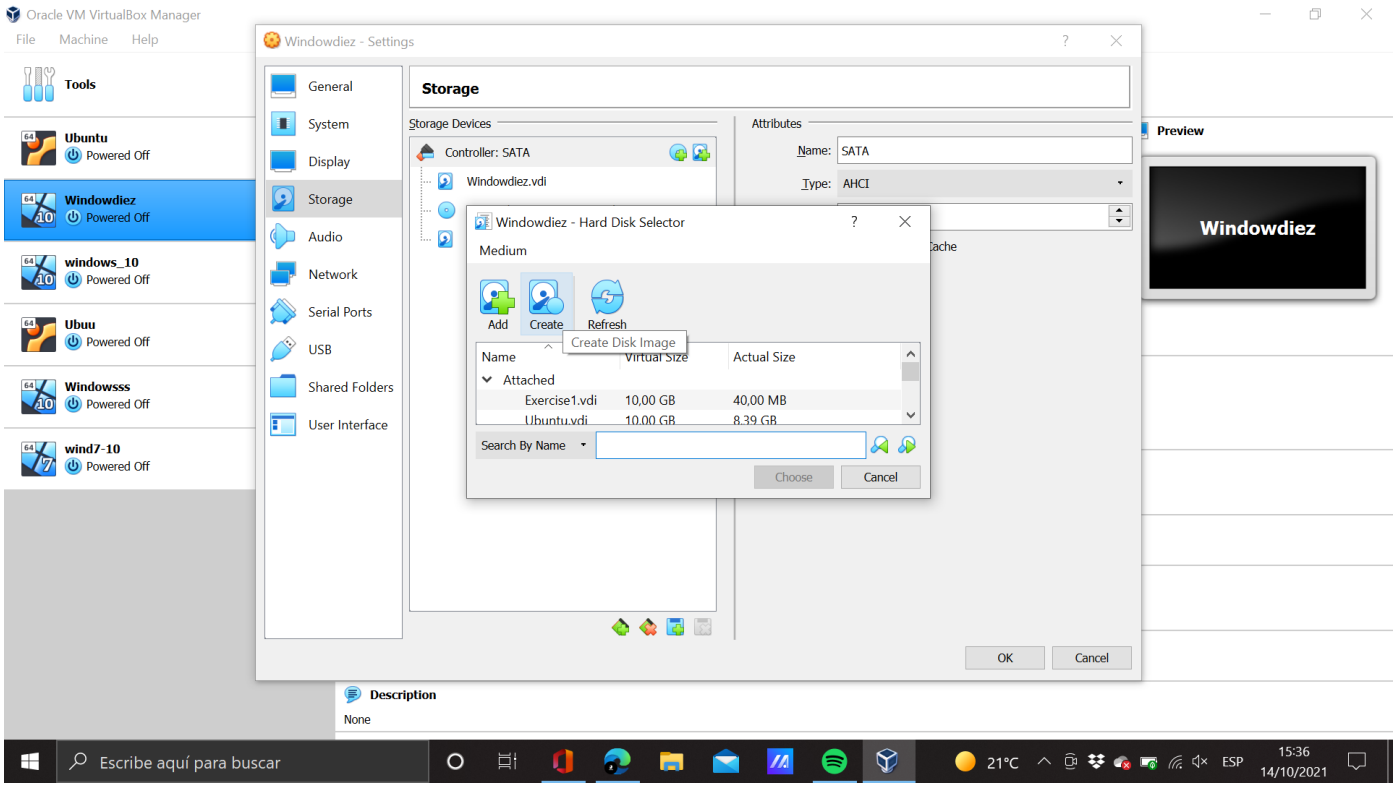
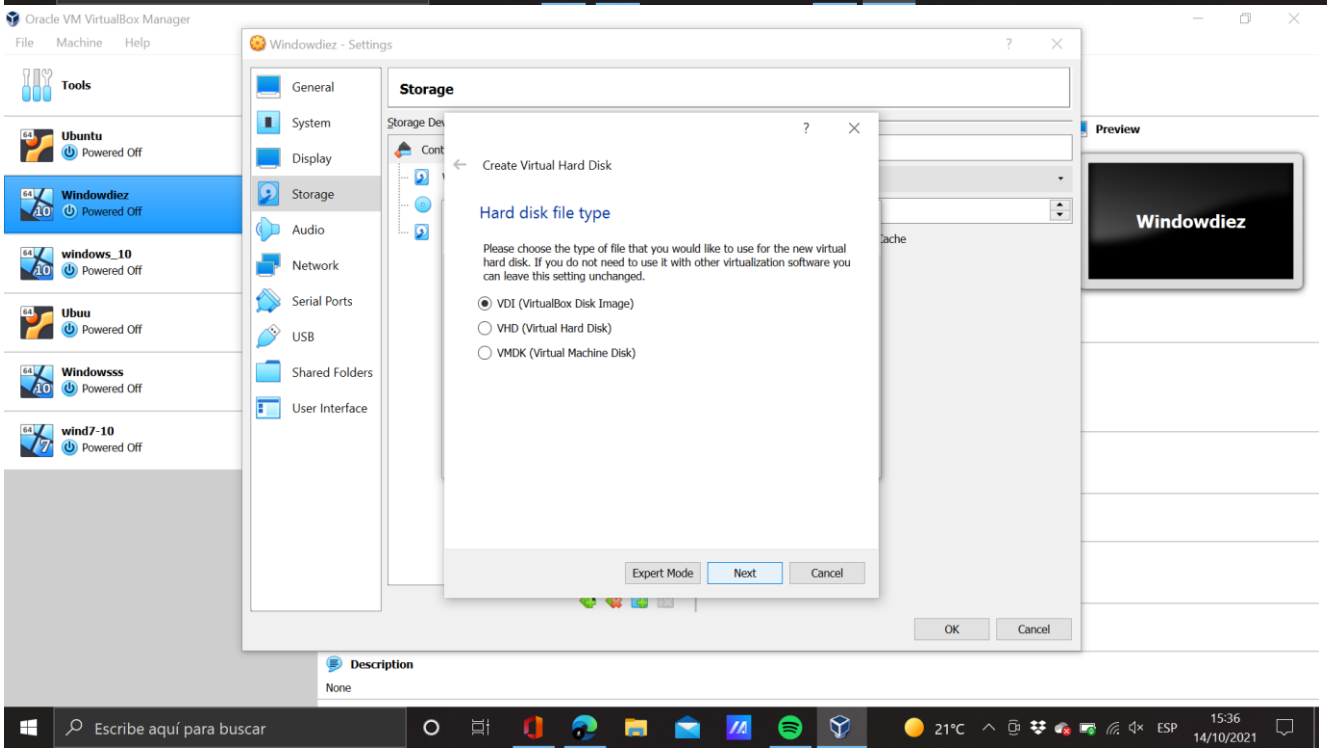
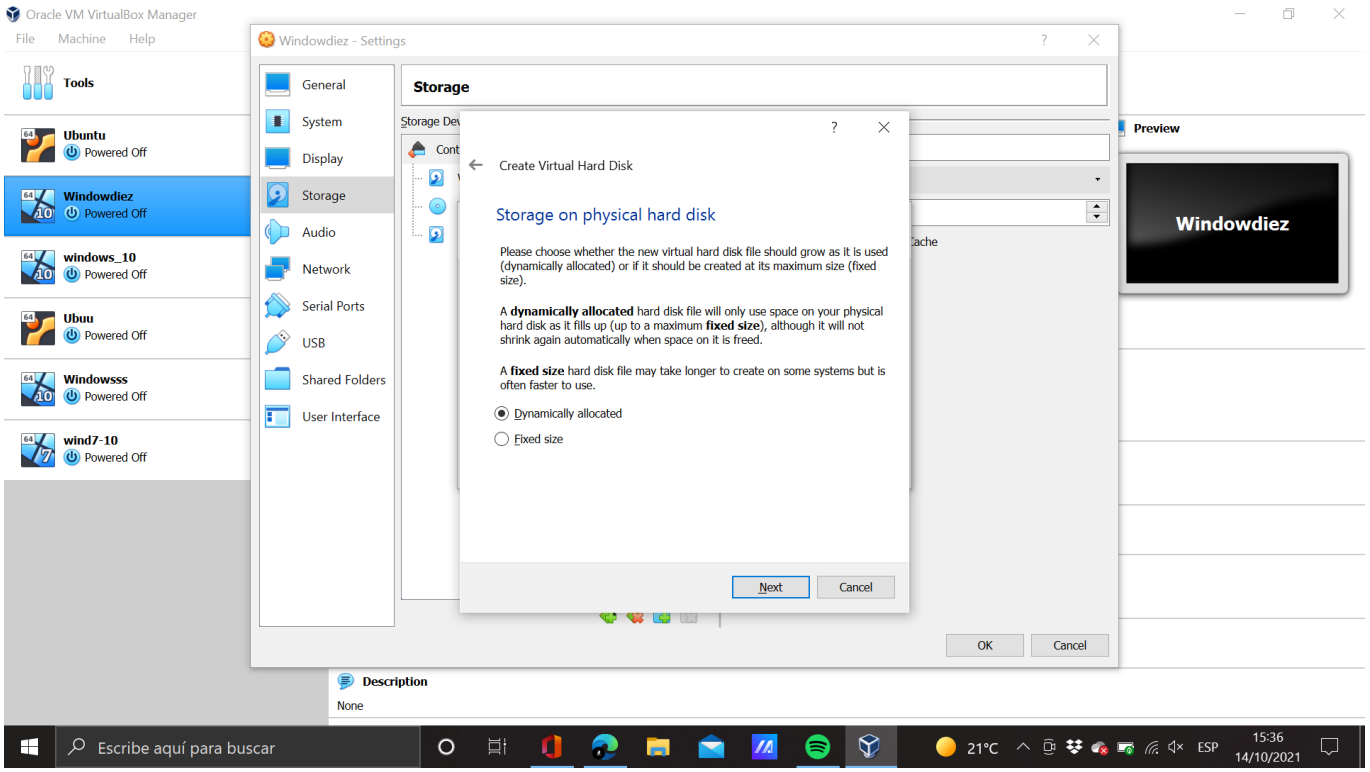
Exercise 2:

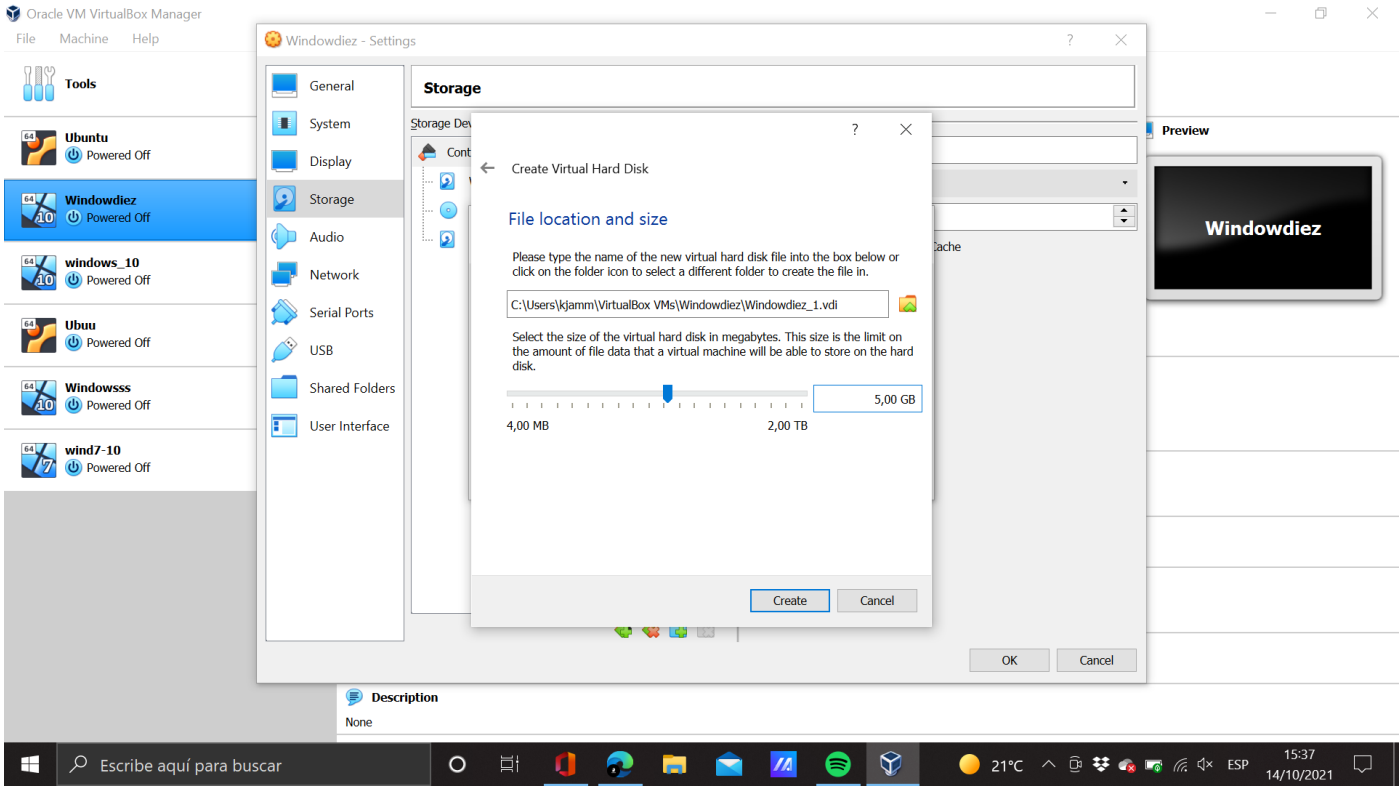
We continue using the virtual machine from the exercise 1 and we need to create a new hard disk of 5GB. To do that we follow this few steps:

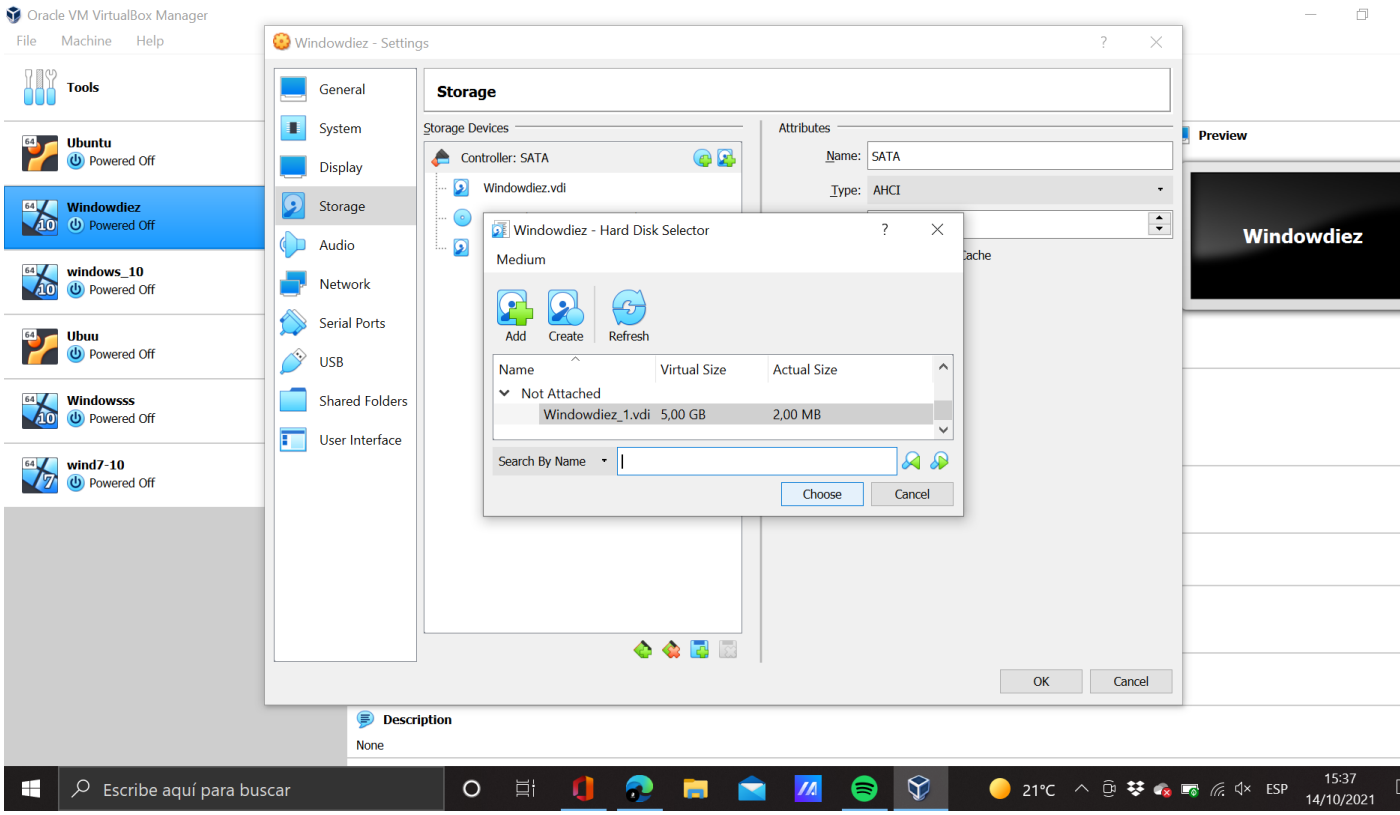



Oracle VM VirtualBox Manager
File Machine Help
Tools
Ubuntu Powered Off
Windowdiez Powered Off
windows_10 Powered Off
Ubuu Powered Off
Windowsss Powered Off
wind7-10 Powered Off
Windowdiez - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Storage Devices
Controller: SATA
Windowdiez.vdi
Attributes
Name: SATA
Type: AHCI
Windowdiez - Hard Disk Selector
Medium
Add
Create
Refresh
Create Disk Image
Name
Virtual Size
Actual Size
Attached
Exercise1.vdi 10,00 GB 40,00 MB
Ubuntu.vdi 10,00 GB 8,39 GB
Search By Name
Choose
Cancel
OK
Cancel
Preview
Windowdiez
Description
None
Escribe aquí para buscar
21°C
ESP
15:36
14/10/2021

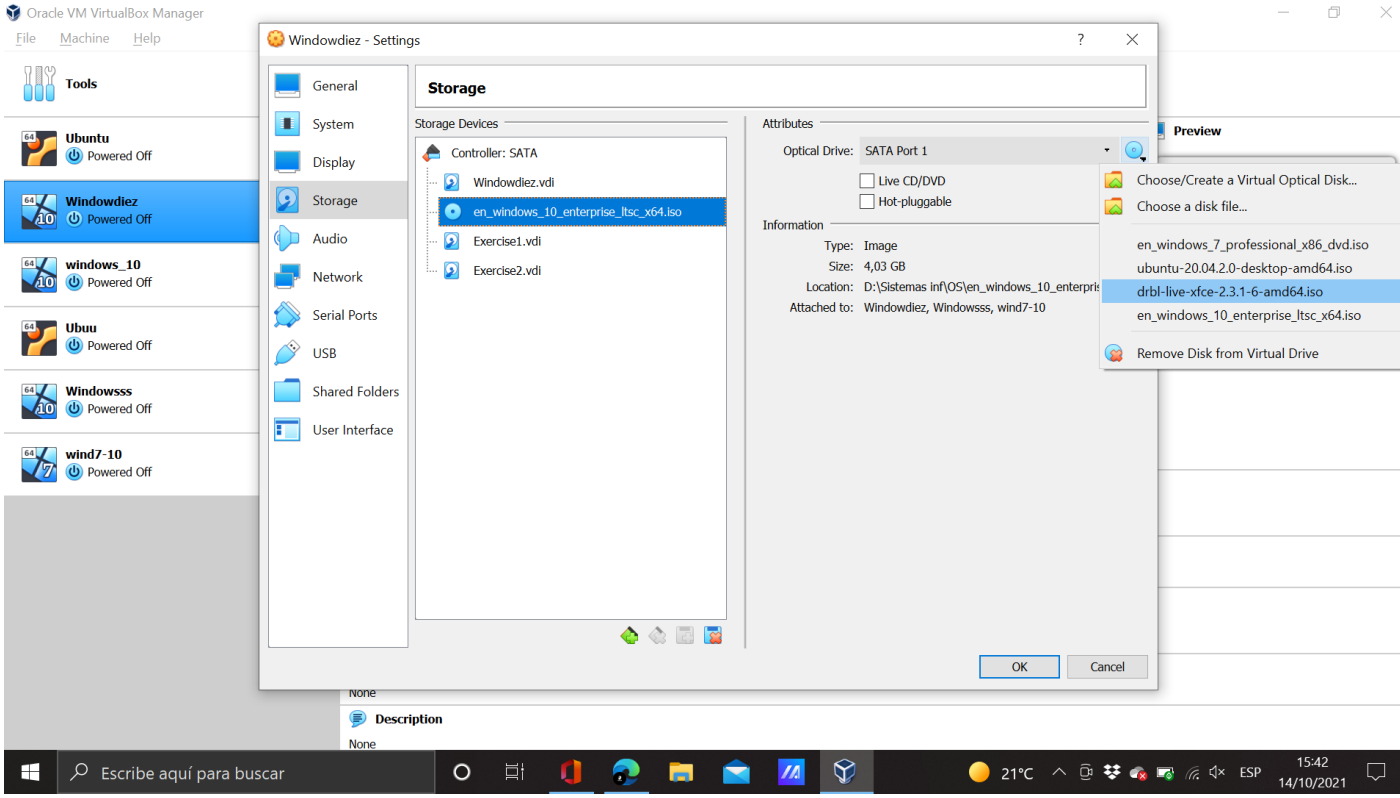

Oracle VM VirtualBox Manager
File Machine Help
Tools
Ubuntu Powered Off
Windowdiez Powered Off
windows_10 Powered Off
Ubuu Powered Off
Windowsss Powered Off
wind7-10 Powered Off
Windowdiez - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Create Virtual Hard Disk
Hard disk file type
Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.
VDI (VirtualBox Disk Image)
VHD (Virtual Hard Disk)
VMDK (Virtual Machine Disk)
Expert Mode
Next
Cancel
OK
Cancel
Preview
Windowdiez
Description
None
Escribe aquí para buscar
21°C
ESP
15:36
14/10/2021


Oracle VM VirtualBox Manager
File Machine Help
Tools
Ubuntu
Powered Off
Windowdiez
Powered Off
windows_10
Powered Off
Ubuu
Powered Off
Windowsss
Powered Off
wind7-10
Powered Off
Windowdiez - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Create Virtual Hard Disk
Storage on physical hard disk
Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size).
A dynamically allocated hard disk file will only use space on your physical hard disk as it fills up (up to a maximum fixed size), although it will not shrink again automatically when space on it is freed.
A fixed size hard disk file may take longer to create on some systems but is often faster to use.
Dynamically allocated
Fixed size
Next
Cancel
OK
Cancel
Preview
Windowdiez
Description
None
Escribe aquí para buscar
21°C
ESP
15:36
14/10/2021

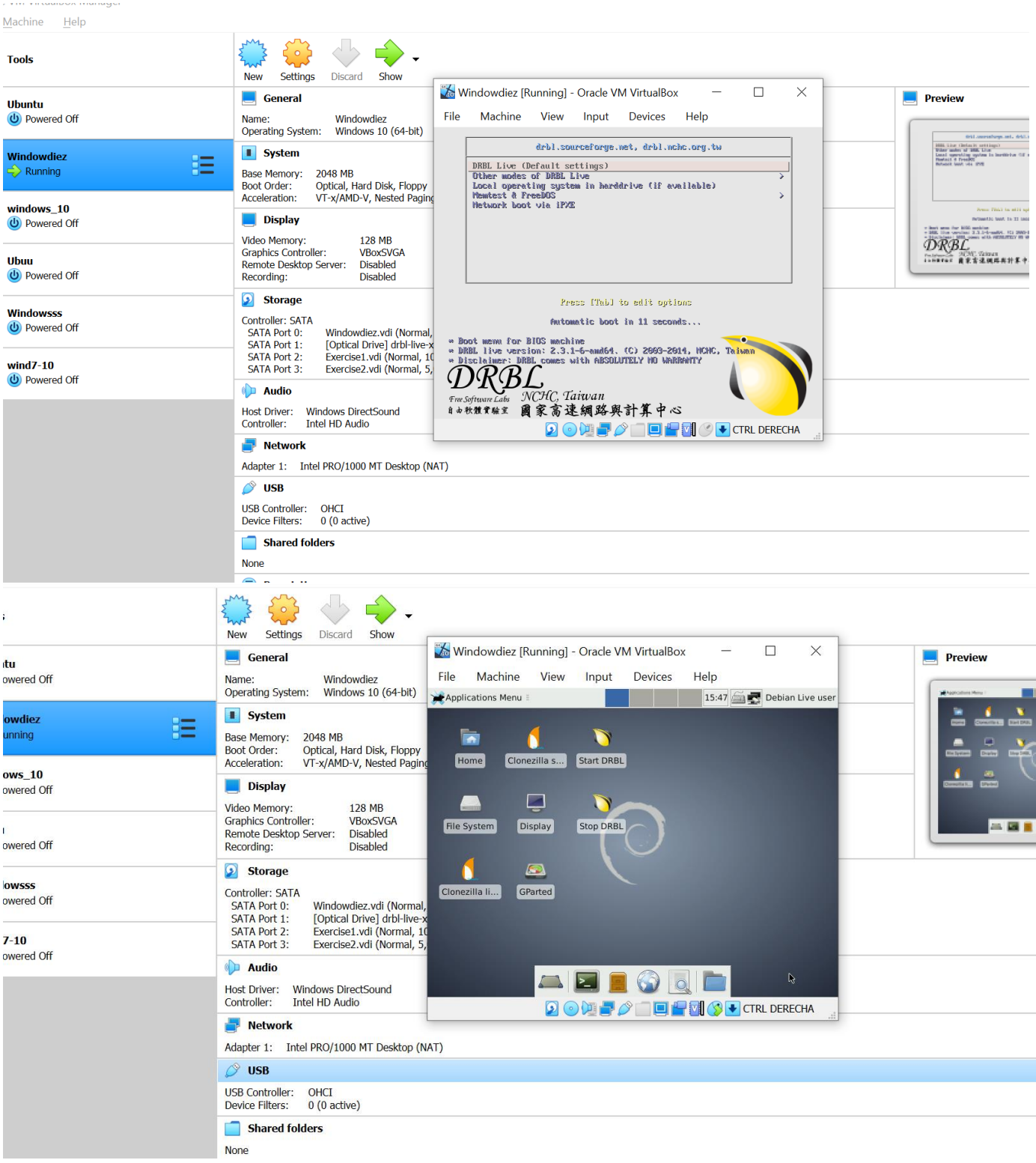

Oracle VM VirtualBox Manager
File Machine Help
Tools
Ubuntu
Powered Off
Windowdiez
Powered Off
windows_10
Powered Off
Ubuu
Powered Off
Windowsss
Powered Off
wind7-10
Powered Off
Windowdiez - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Create Virtual Hard Disk
File location and size
Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.
C:\Users\kjamm\VirtualBox VMs\Windowdiez\Windowdiez_1.vdi
Select the size of the virtual hard disk in megabytes. This size is the limit on the amount of file data that a virtual machine will be able to store on the hard disk.
5,00 GB
4,00 MB
2,00 TB
Create
Cancel
OK
Cancel
Preview
Windowdiez
Description
None
Escribe aquí para buscar
21°C
ESP
15:37
14/10/2021

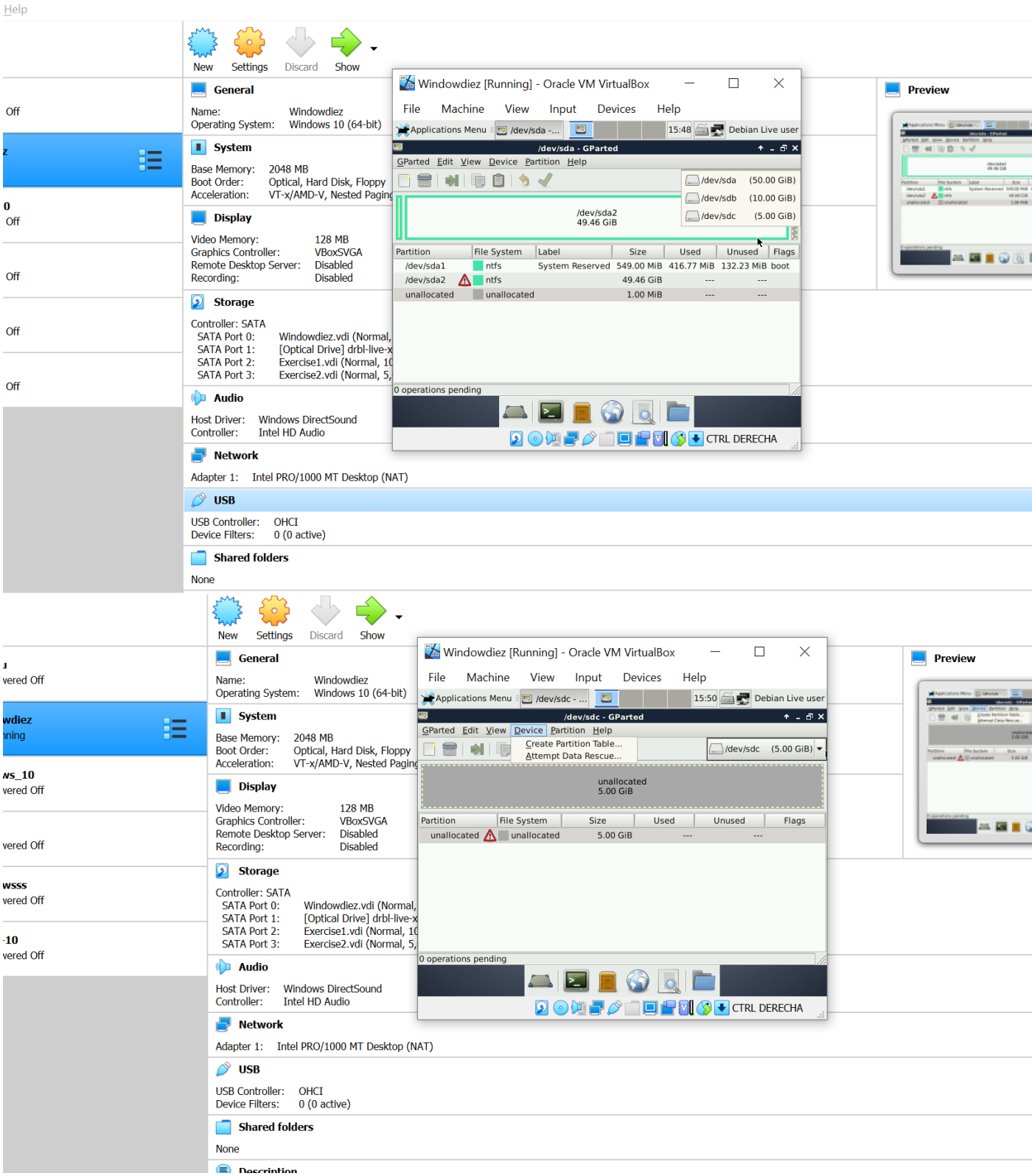


Now we change the optical ISO to use de Debian SO:

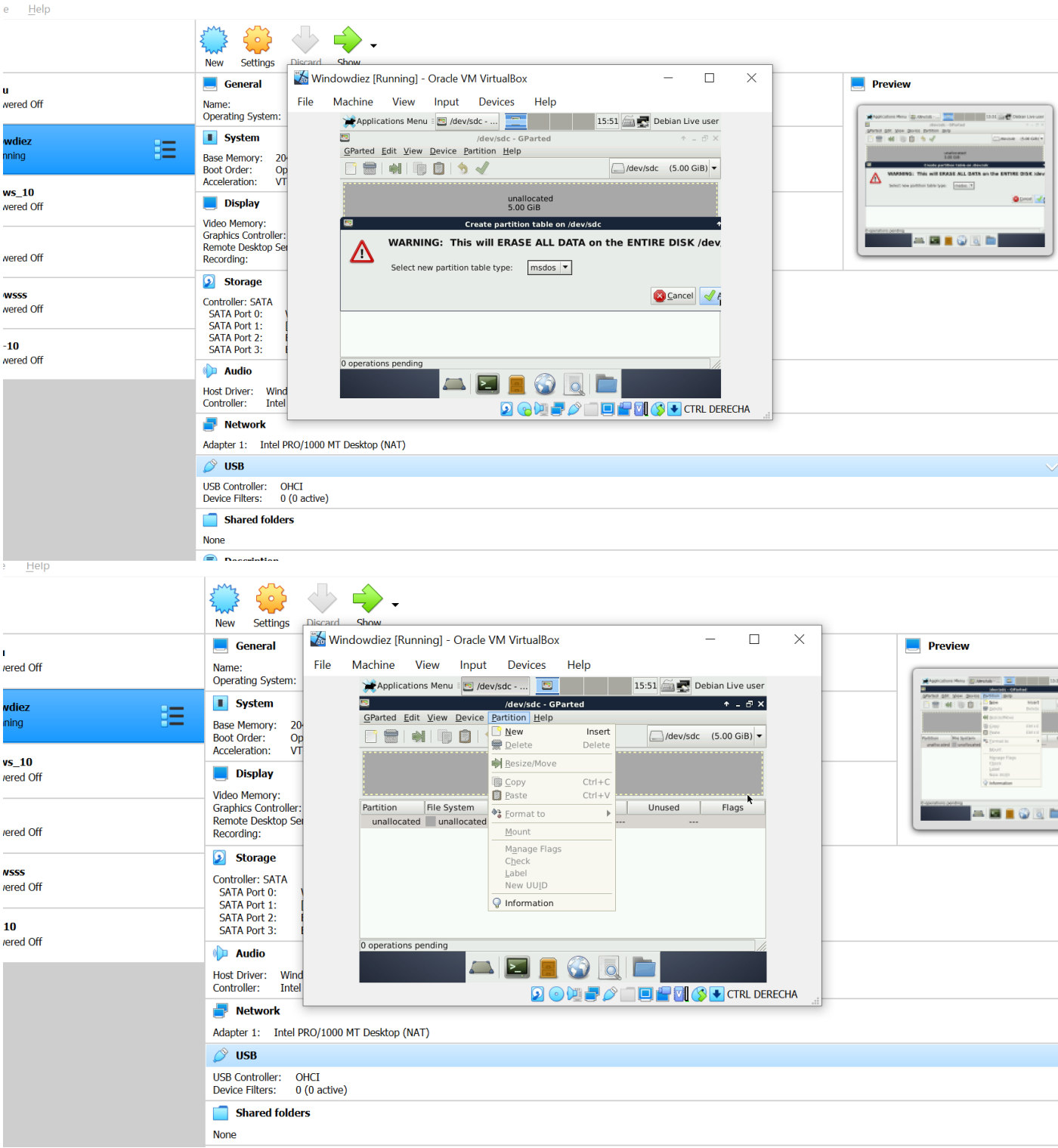


We start our virtual machine and go to Gparted. Then we select the 5GB disk:

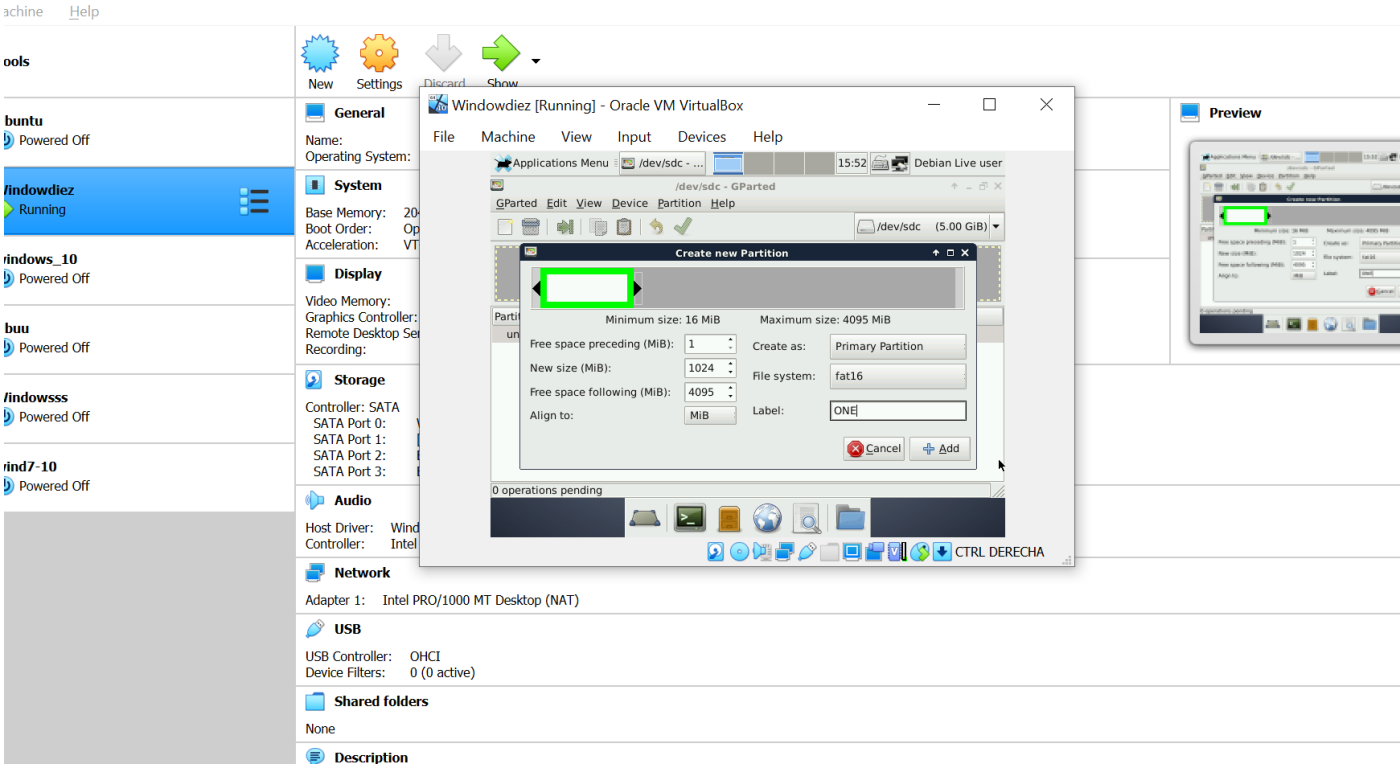

Machine Help
Tools
New Settings Discard Show
Ubuntu
Powered Off
Windowdiez
Running
windows_10
Powered Off
Ubuu
Powered Off
Windowsss
Powered Off
wind7-10
Powered Off
General
Name: Windowdiez
Operating System: Windows 10 (64-bit)
System
Base Memory: 2048 MB
Boot Order: Optical, Hard Disk, Floppy
Acceleration: VT-x/AMD-V, Nested Paging
Display
Video Memory: 128 MB
Graphics Controller: VBoxSVGA
Remote Desktop Server: Disabled
Recording: Disabled
Storage
Controller: SATA
SATA Port 0: Windowdiez.vdi (Normal,
SATA Port 1: [Optical Drive] drbl-live-x
SATA Port 2: Exercise1.vdi (Normal, 10
SATA Port 3: Exercise2.vdi (Normal, 5,
Audio
Host Driver: Windows DirectSound
Controller: Intel HD Audio
Network
Adapter 1: Intel PRO/1000 MT Desktop (NAT)
USB
USB Controller: OHCI
Device Filters: 0 (0 active)
Shared folders
None
Windowdiez [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
drbl.sourceforge.net, drbl.nchc.org.tw
DRBL Live (Default settings)
Other modes of DRBL Live
Local operating system in harddrive (if available)
Memtest & FreeDOS
Network boot via IPXE
Press [Tab] to edit options
Automatic boot in 11 seconds...
* Boot menu for BIOS machine
* DRBL live version: 2.3.1-6-amd64, (C) 2003-2014, NCHC, Taiwan
* Disclaimer: DRBL comes with ABSOLUTELY NO WARRANTY
DRBL
Free Software Labs
NCHC, Taiwan
國家高速網路與計算中心
CTRL DERECHA
Preview
New Settings Discard Show
General
Name: Windowdiez
Operating System: Windows 10 (64-bit)
System
Base Memory: 2048 MB
Boot Order: Optical, Hard Disk, Floppy
Acceleration: VT-x/AMD-V, Nested Paging
Display
Video Memory: 128 MB
Graphics Controller: VBoxSVGA
Remote Desktop Server: Disabled
Recording: Disabled
Storage
Controller: SATA
SATA Port 0: Windowdiez.vdi (Normal,
SATA Port 1: [Optical Drive] drbl-live-x
SATA Port 2: Exercise1.vdi (Normal, 10
SATA Port 3: Exercise2.vdi (Normal, 5,
Audio
Host Driver: Windows DirectSound
Controller: Intel HD Audio
Network
Adapter 1: Intel PRO/1000 MT Desktop (NAT)
USB
USB Controller: OHCI
Device Filters: 0 (0 active)
Shared folders
None
Windowdiez [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Menu
15:47
Debian Live user
Home
Clonezilla s...
Start DRBL
File System
Display
Stop DRBL
Clonezilla li...
GParted
CTRL DERECHA
Preview



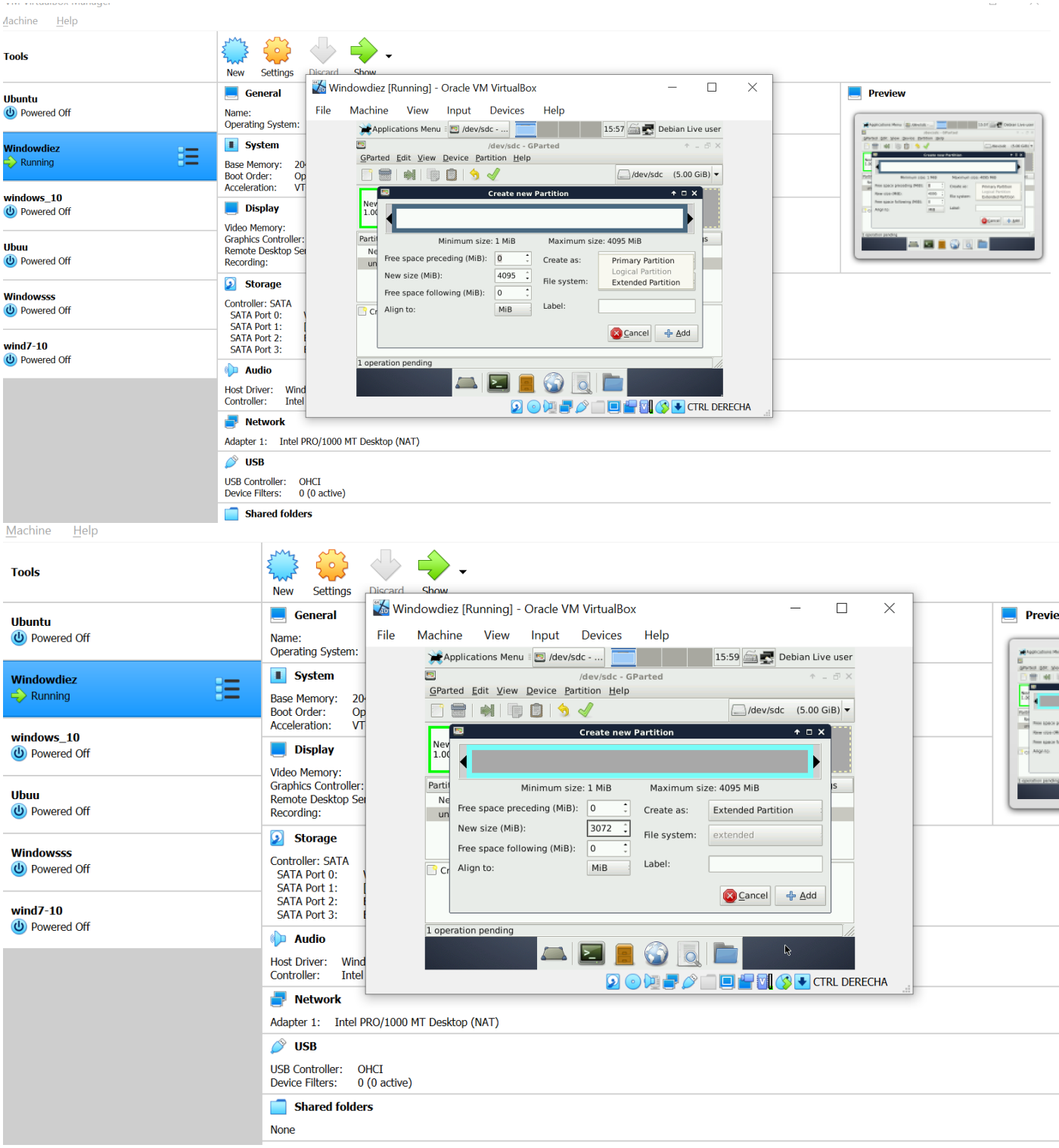
Now we need to create a new partion table, following msdos type.



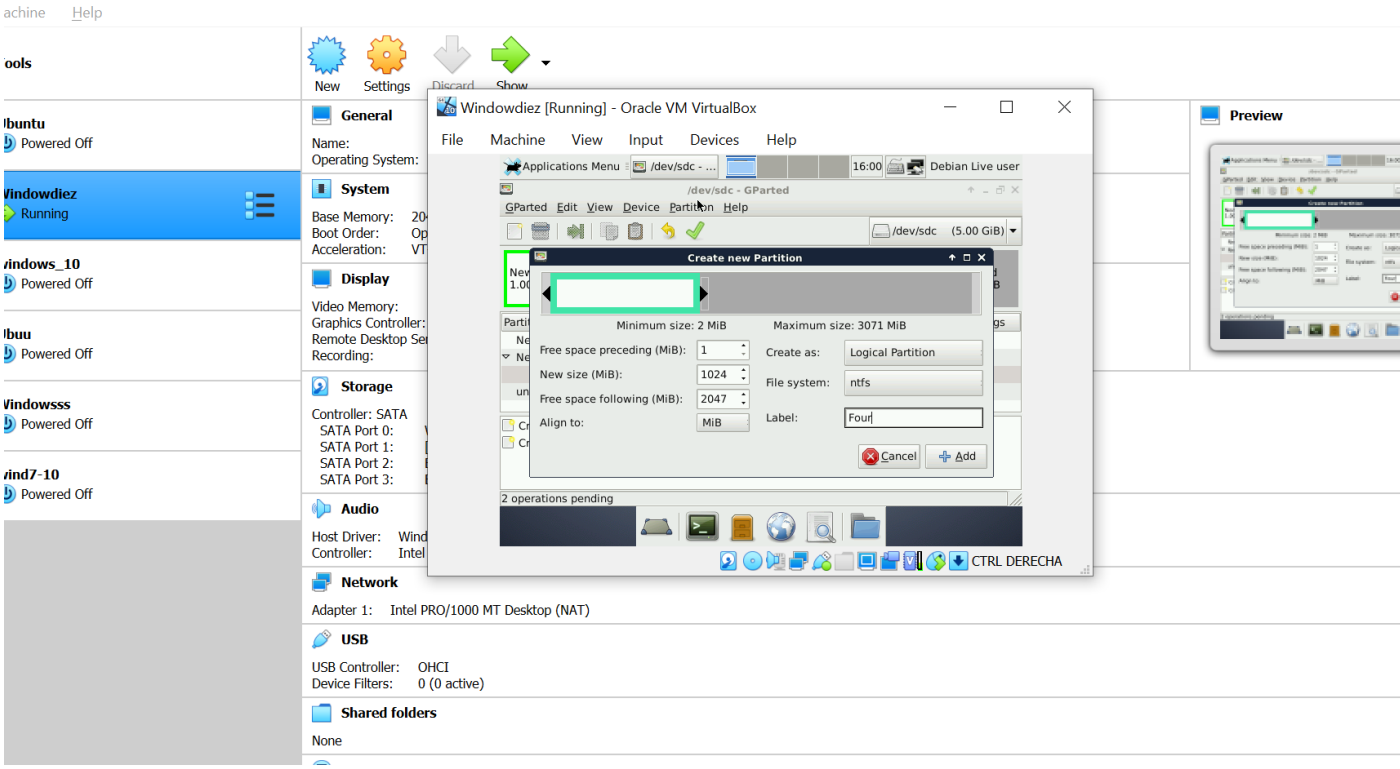
We create now the first partition of 1GB FAT16 and primary.



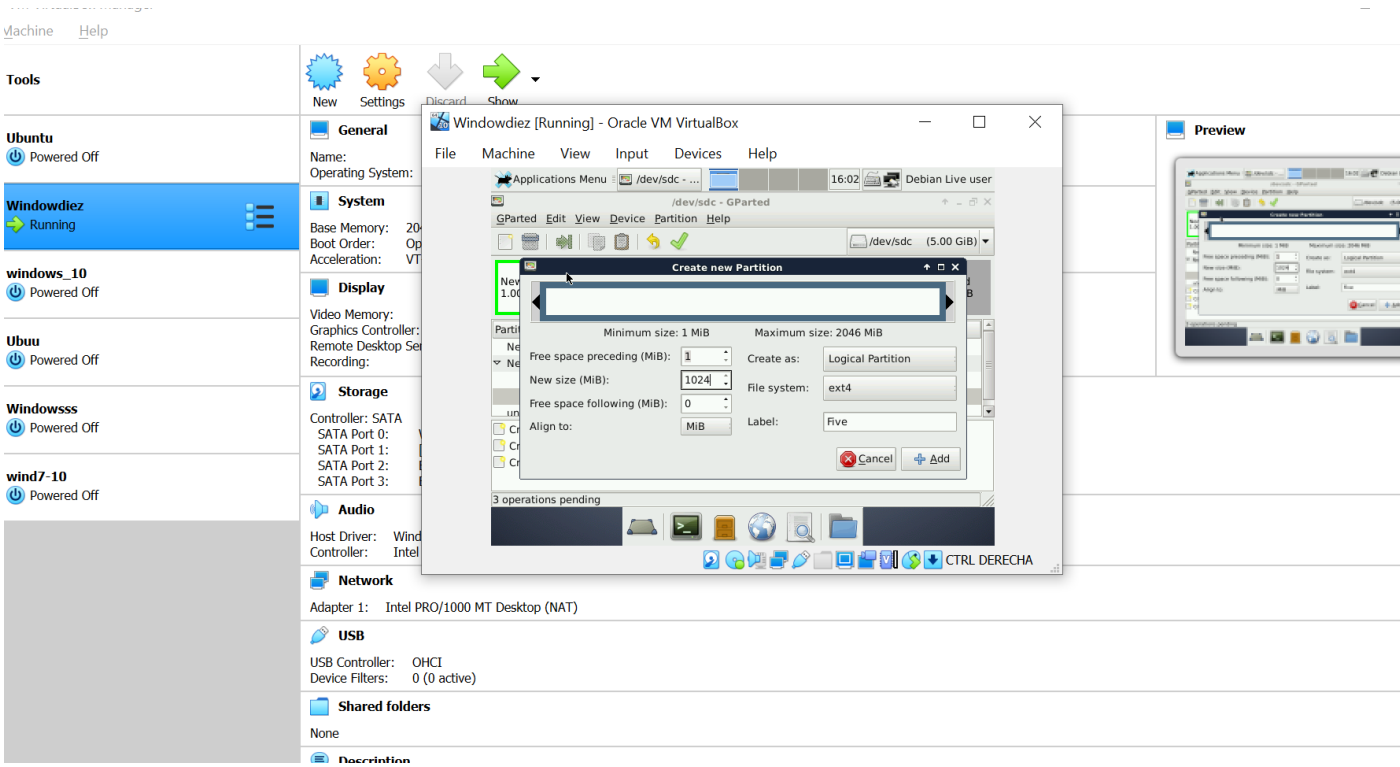
The second partition needs an extendend partition, so we select it in a new partition:



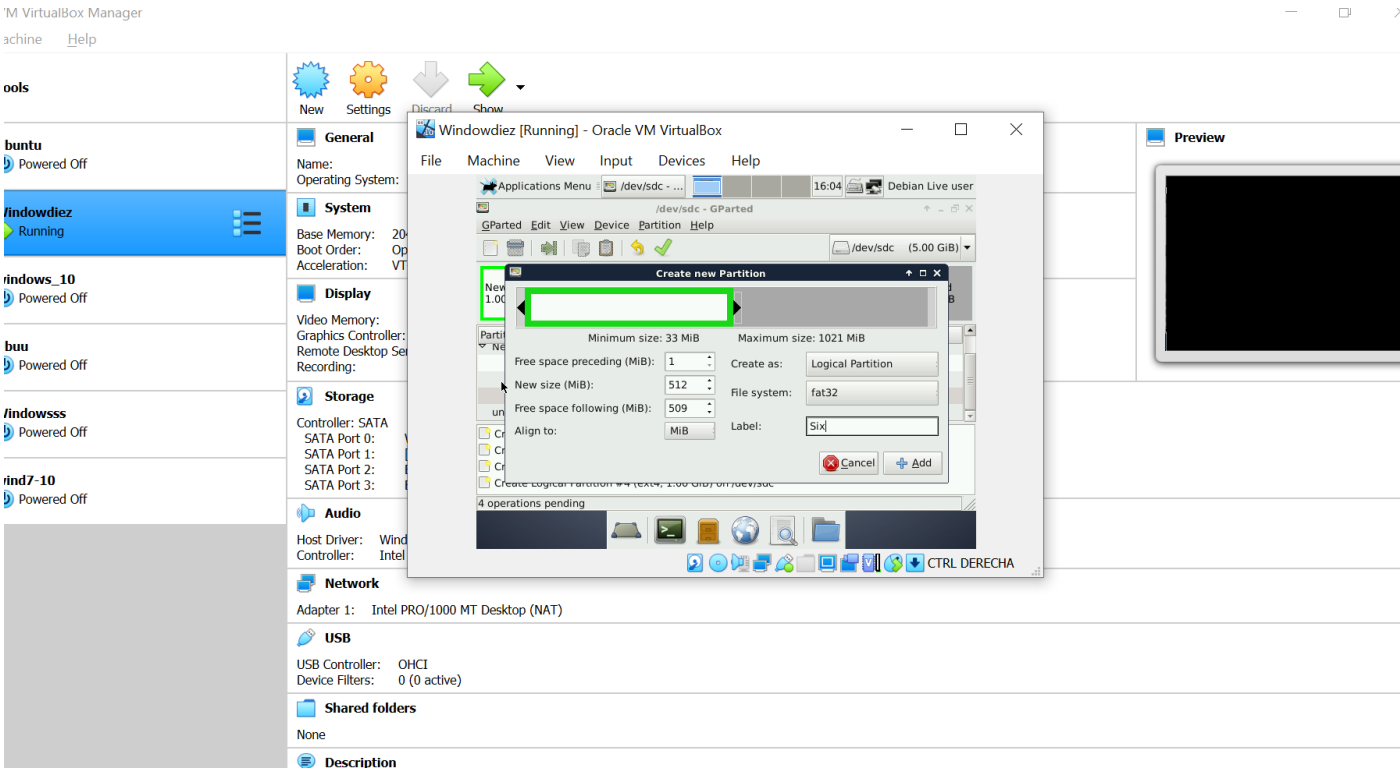
Now we can start the second requestment: one partition 1GB NTFS.



Then we create another partition 1GB:

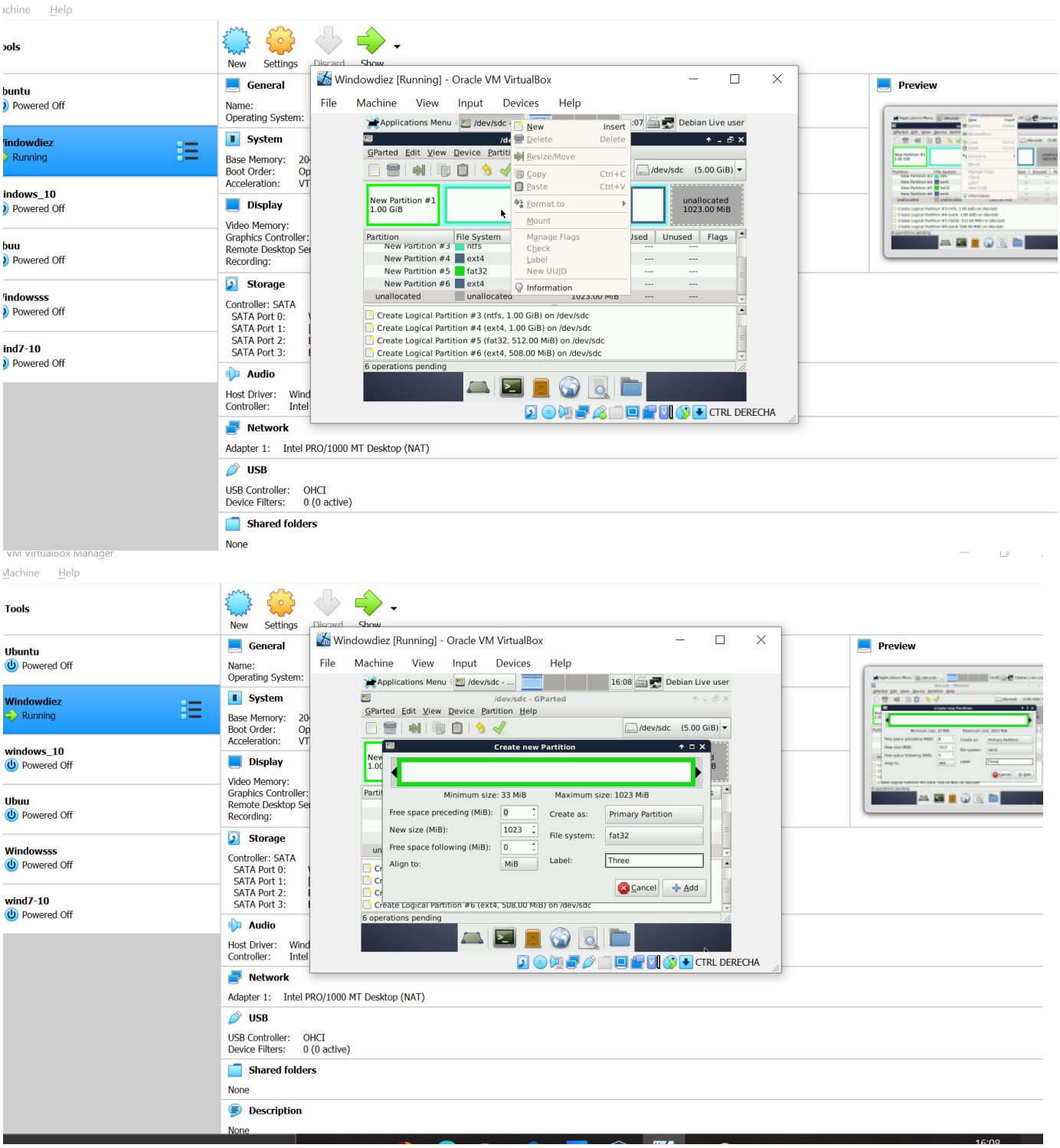


Next partition is 512MB FAT32:

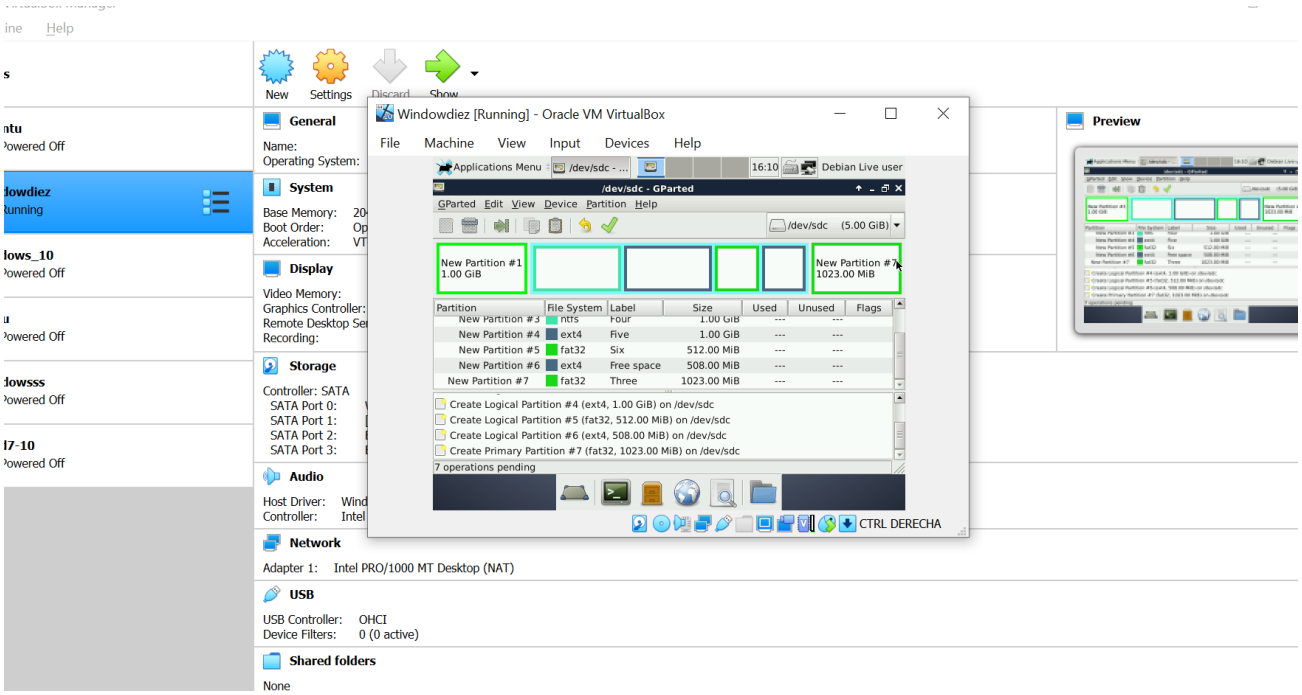


And the rest of the space we have now 509MB for free space.

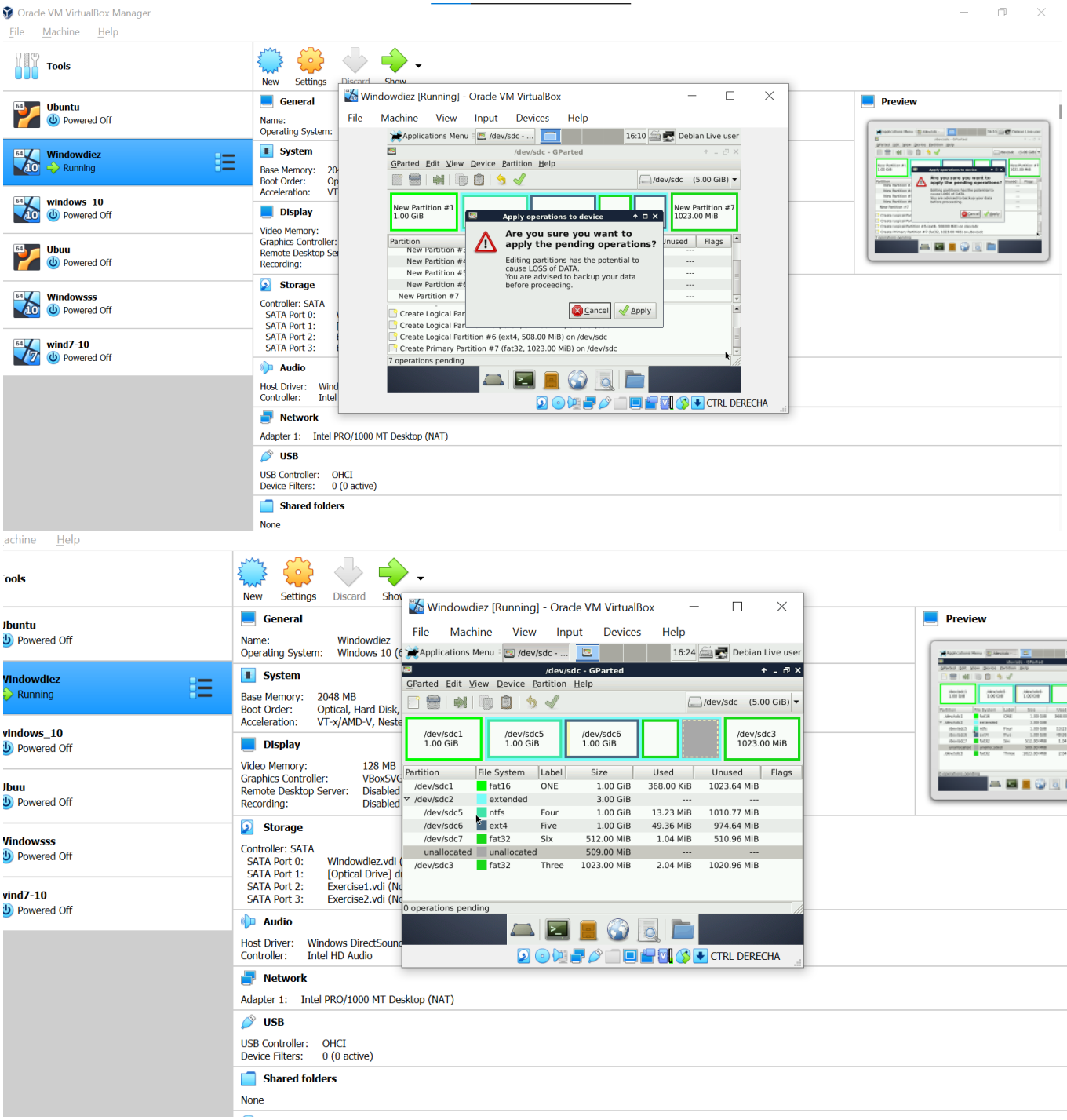
Finally we create the last partition, 1GB FAT32:



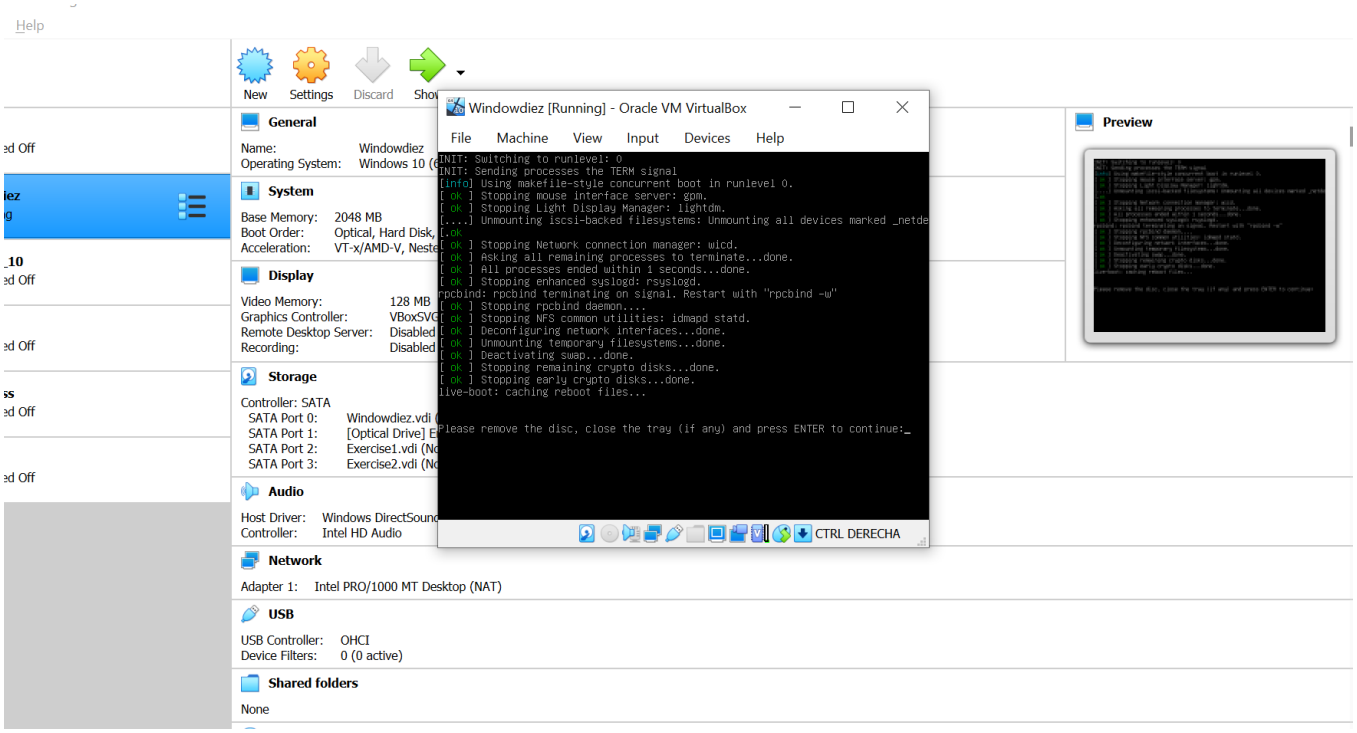
The finally partition table is:



And we apply to confirm:



To confirm all the exercise we shutdown the Debian's session



And we check how it appears on Windows our partition: