PASOS PARA INSTALAR DEBIAN EN VIRTUALBOX

Links para descargar el material:

Aca se pueden elegir las imágenes ISO para diferentes arquitecturas: http://debian.xfree.com.ar/debian-cd/current/

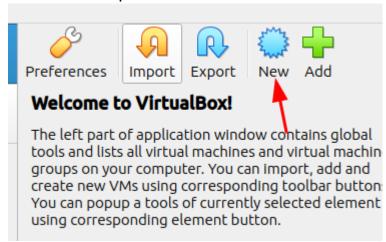
Y en este para los procesadores i386: http://debian.xfree.com.ar/debian-cd/current/i386/iso-cd

<u>Name</u>	<u>Last modified</u>	<u>Size</u>
Parent Directory		_
HEADER.html	2024-06-29 08:58	4.2K
SHA256SUMS	2024-06-29 17:49	299
SHA256SUMS.sign	2024-06-29 17:50	833
SHA512SUMS	2024-06-29 17:49	491
SHA512SUMS.sign	2024-06-29 17:50	833
debian-12.6.0-i386-netinst.iso	2024-06-29 08:59	644M
debian-edu-12.6.0-i386-netinst.iso	2024-06-29 08:59	652M
debian-mac-12.6.0-i386-netinst.iso	2024-06-29 08:59	644M

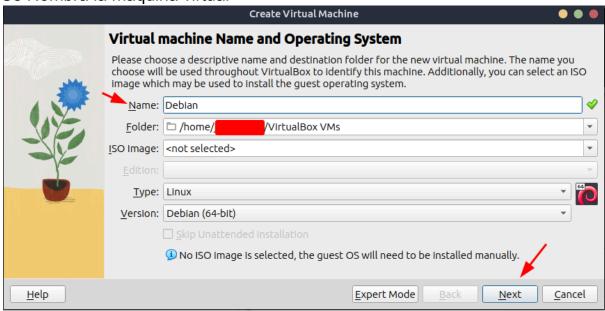
Para obtener las imagenes proporcionadas por la catedra: https://catedras.linti.unlp.edu.ar/course/view.php?id=1238

Pasos para instalar debian en el sistema:

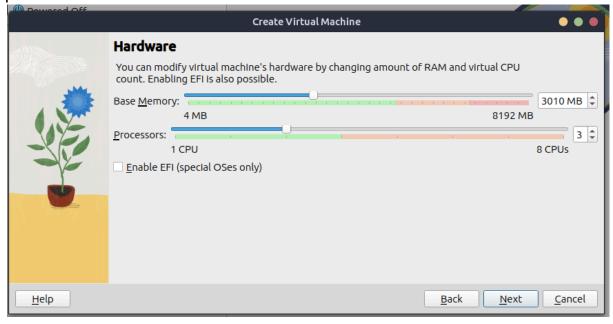
Se crea la maquina virtual.



Se Nombra la maquina virtual



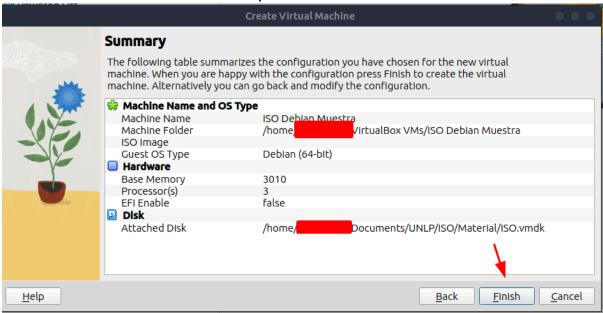
Se le asignan recursos, Cantidad de RAM y Cantidad de núcleos del procesador.



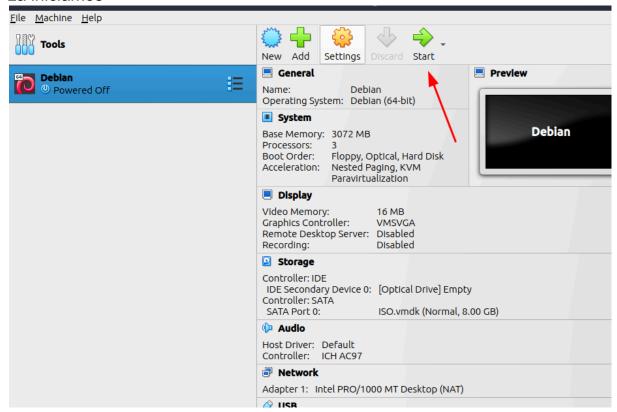
Como vamos a utilizar un HDD virtual ya creado (el archivo .vdmk proporcionado por la catedra) lo seleccionamos



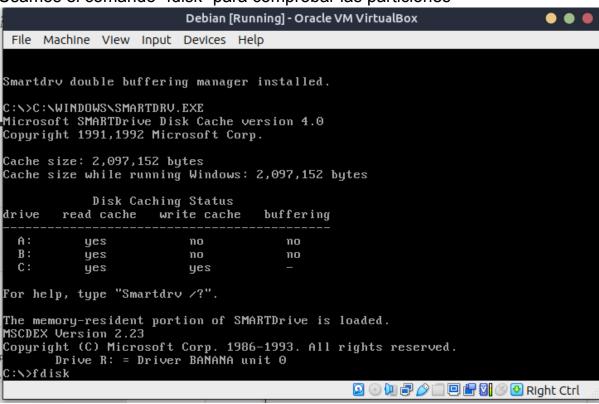
Finalizamos la creación de la maquina virtual



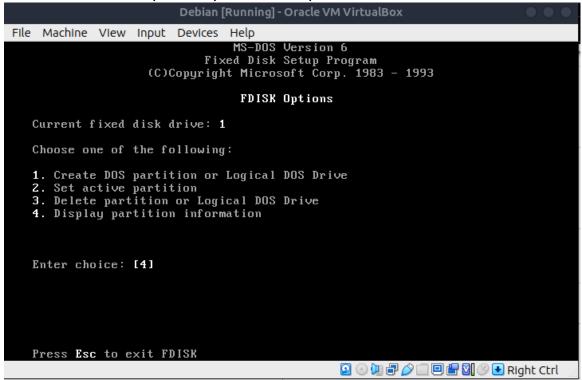
La iniciamos



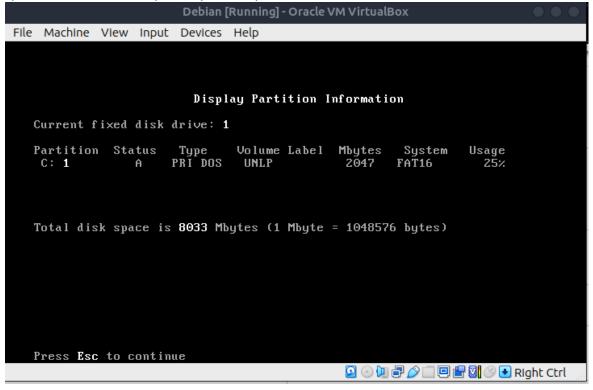
Usamos el comando "fdisk" para comprobar las particiones



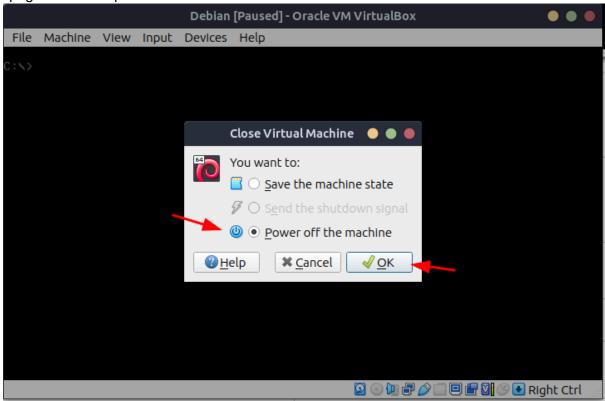
Seleccionamos la opción 4 para ver las particiones del dsco



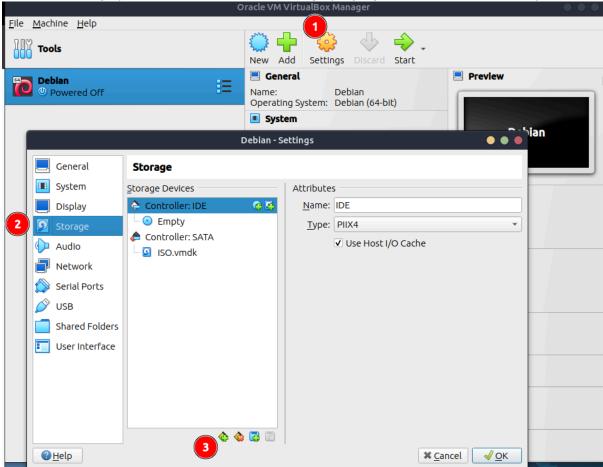
Observamos que hay una partición de 2047 bytes, esto es debido a que este sistema operativo es de 16 bits por lo que solo puede direccionar 2¹⁶ cantidad de celdas de memoria.

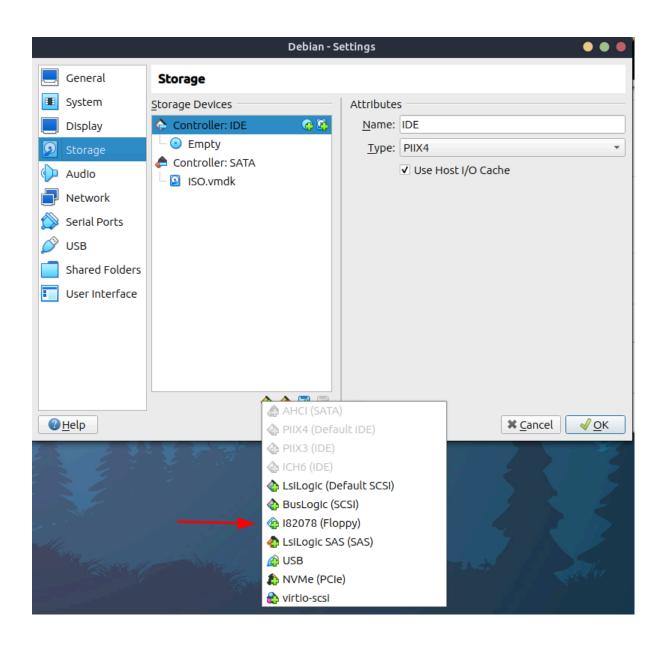


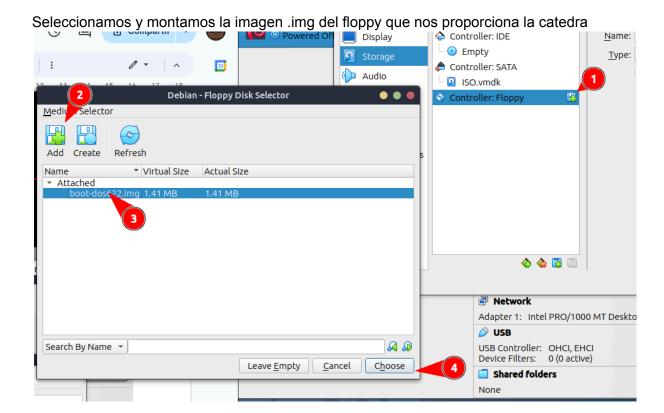
apagamos la maquina virtual



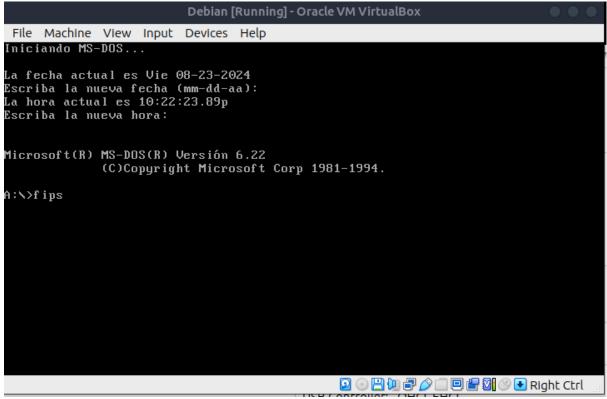
Vamos a Settings y abrimos la pestaña de storage y agregamos la unidad de floppy.







Iniciamos de nuevo la maquina virtual y presionamos dos veces enter para saltarnos la pantalla de la configuración de la fecha y escribimos el comando "fips" para abrir el particionador



Presionamos enter Debian [Running] - Oracle VM VirtualBox File Machine View Input Devices Help La fecha actual es Vie 08-23-2024 Escriba la nueva fecha (mm-dd-aa): La hora actual es 10:24:12.26p Escriba la nueva hora: Microsoft(R) MS-DOS(R) Versión 6.22 (C)Copyright Microsoft Corp 1981-1994. A: \>fips FIPS version 2.0, Copyright (C) 1993/94 Arno Schaefer FAT32 Support Copyright (C) 1997 Gordon Chaffee DO NOT use FIPS in a multitasking environment like Windows, OS/2, Desqview, Novell Task manager or the Linux DOS emulator: boot from a DOS boot disk first. If you use OS/2 or a disk compressor, read the relevant sections in FIPS.DOC. FIPS comes with ABSOLUTELY NO WARRANTY, see file COPYING for details This is free software, and you are welcome to redistribute it under certain conditions; again see file COPYING for details. Press any Key

de nuevo

Debian [Running] - Oracle VM VirtualBox File Machine View Input Devices Help DO NOT use FIPS in a multitasking environment like Windows, OS/2, Desqview, Novell Task manager or the Linux DOS emulator: boot from a DOS boot disk first.

If you use OS/2 or a disk compressor, read the relevant sections in FIPS.DOC.

FIPS comes with ABSOLUTELY NO WARRANTY, see file COPYING for details This is free software, and you are welcome to redistribute it under certain conditions; again see file COPYING for details.

Press any Key

Partition table:

	l		ŀ		Start			ı		End	:	Start	Number	of l	
Part.	lЪ	ootable	Н	lead	Cyl.	Sector	System	ıΗ	ead	Cyl.	Sectorl	Sector	Sectors	s	MB
	+		+-					+-			+		+	+-	
1	1	yes	ı	1	Θ	11	061	ı	254	260	631	63	1 41929	90212	047
2		no	ŀ	Θ	Θ	Θ;	001	ıl	0	Θ	Θ¦	Θ	i	Θ¦	0
3	•	no	ŀ	Θ	Θ	Θ;	001	ıl	0	0	Θ¦		i	01	Θ
4	ı	no	ŀ	Θ	Θ	01	001	ıl	0	0	Θ¦	Θ	i	01	Θ

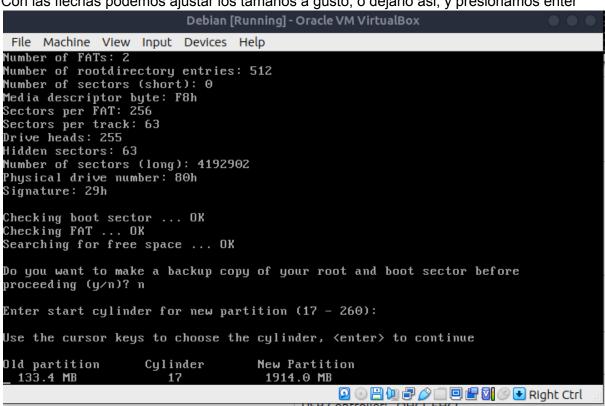
Checking root sector ... OK

Press any Key

Presionaos "n"

Debian [Running] - Oracle VM VirtualBox File Machine View Input Devices Help Press any Key Boot sector: Bytes per sector: 512 Sectors per cluster: 64 Reserved sectors: 1 Number of FATs: 2 Number of rootdirectory entries: 512 Number of sectors (short): 0 Media descriptor byte: F8h Sectors per FAT: 256 Sectors per track: 63 Drive heads: 255 Hidden sectors: 63 Number of sectors (long): 4192902 Physical drive number: 80h Signature: 29h Checking boot sector ... OK Checking FAT ... OK Searching for free space ... OK Do you want to make a backup copy of your root and boot sector before proceeding (y/n)? 🚨 💿 💾 👊 🗗 🤌 🔲 🖳 🚰 🔯 🔗 💽 Right Ctrl

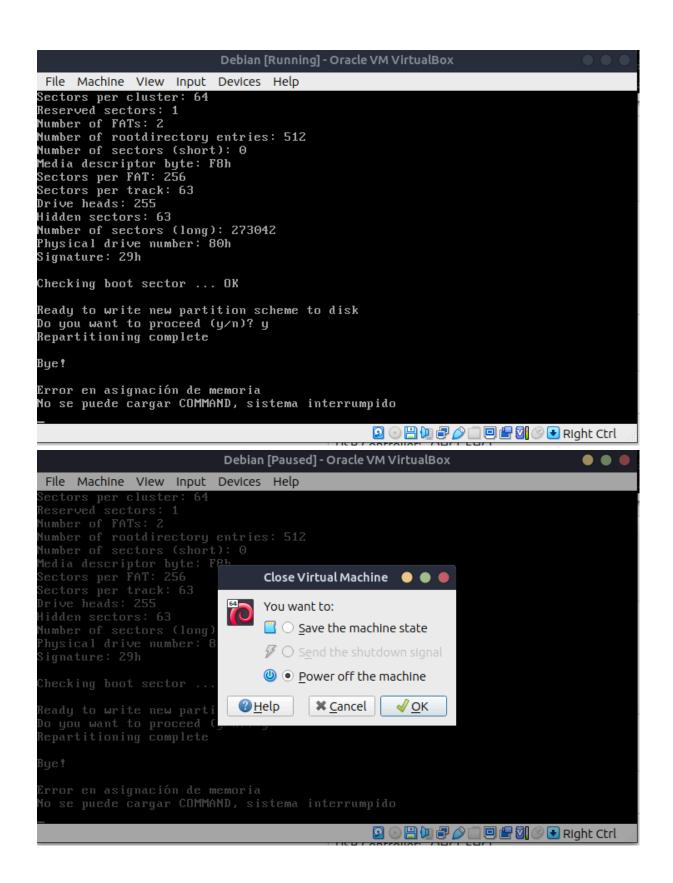
Con las flechas podemos ajustar los tamaños a gusto, o dejarlo asi, y presionamos enter



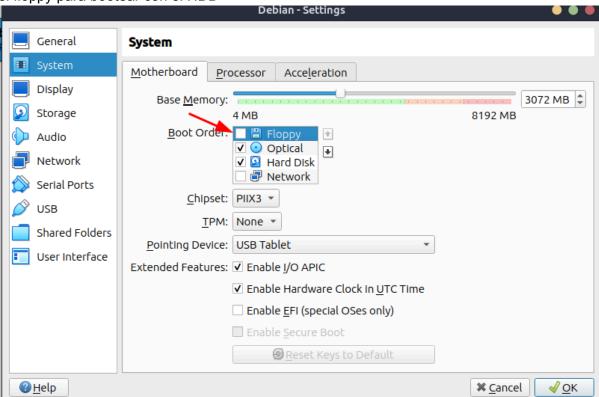
Presionamos "c" para continuar Debian [Running] - Oracle VM VirtualBox File Machine View Input Devices Help Enter start cylinder for new partition (17 - 260): Use the cursor keys to choose the cylinder, <enter> to continue Old partition Cylinder New Partition 133.4 MB 17 1914.0 MB First Cluster: 4259 Last Cluster: 65506 Testing if empty ... OK New partition table: Start End | Start | Number of | Part.|bootable|Head Cyl. Sector|System|Head Cyl. Sector| Sector |Sectors | MB yes l 1 Θ 06hl 254 63 l 2730421 133 11 16 63 l no l 06hl 254 3919860 | 1913 0 17 11 260 63 l 2731051 no I 0 Θ 0 i 00h l 0 0 0 i 0 i 0 i 0 01 01 no l 0 Θ Θ¦ 00h i 0 0 01 0 Checking root sector ... OK Do you want to continue or reedit the partition table (c/r)? 🖸 💿 💾 📵 🗗 🤌 🔙 🖳 👺 🔯 🕓 💽 Right Ctrl presionamos "y" y cerramos la maquina virtual Debian [Running] - Oracle VM VirtualBox File Machine View Input Devices Help Checking root sector ... OK Do you want to continue or reedit the partition table (c/r)? c

New boot sector: Bytes per sector: 512 Sectors per cluster: 64 Reserved sectors: 1 Number of FATs: 2 Number of rootdirectory entries: 512 Number of sectors (short): 0 Media descriptor byte: F8h Sectors per FAT: 256 Sectors per track: 63 Drive heads: 255 Hidden sectors: 63 Number of sectors (long): 273042 Physical drive number: 80h Signature: 29h Checking boot sector ... OK Ready to write new partition scheme to disk Do you want to proceed (y/n)?

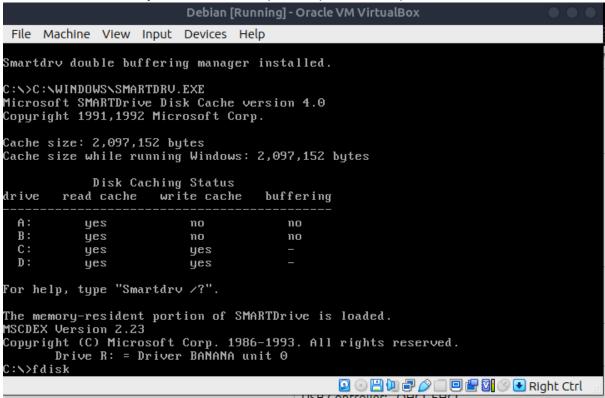
🖸 🕒 💾 🕼 🗗 🤌 🔲 🖳 😭 💟 🕙 🗨 Right Ctrl

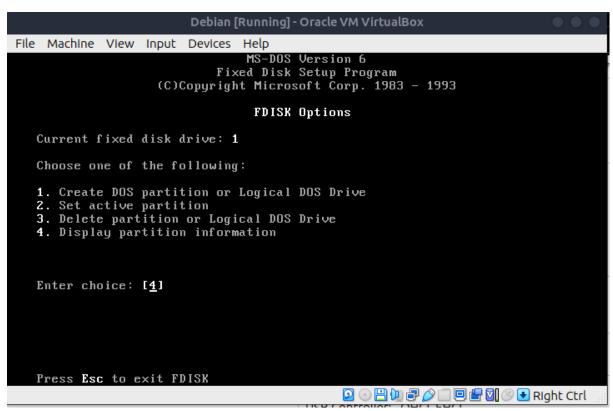


Volvemos a abrir Settings en nuestra maquina virtual y en la pestaña System desactivamos el floppy para bootear con el HDD

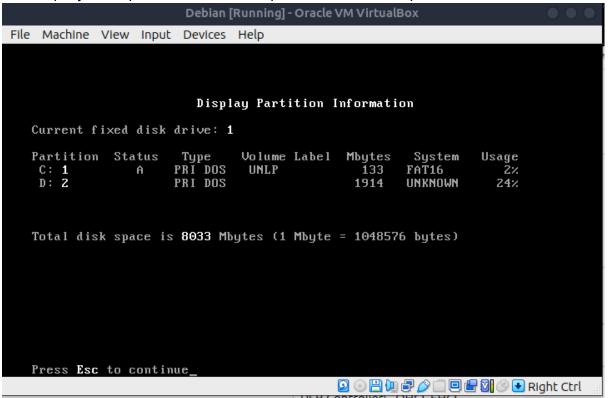


volvemos a abrir fdisk y entramos en la opcion 4 para ver las particiones

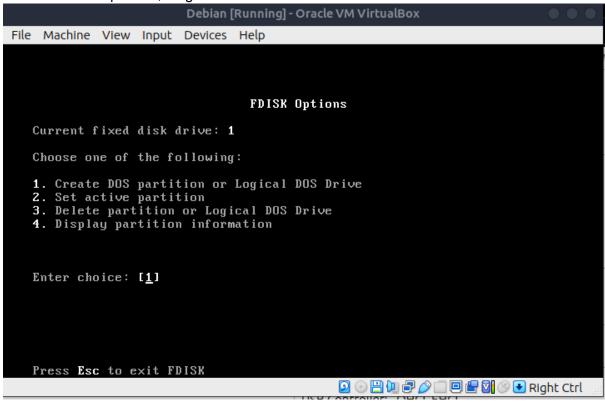




Vemos que ya esta particionado el disco, podemos eliminar la particion 2



entramos en la opcion 3, luego en la 1



y seleccionamos la particion 2 y presioamos enter, y enter de nuevo

Debian [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Delete Primary DOS Partition

Current fixed disk drive: 1

Partition Status Type Volume Label Mbytes System Usage C: 1 A PRI DOS UNLP 133 FAT16 2% D: 2 PRI DOS 1914 UNKNOWN 24%

Total disk space is 8033 Mbytes (1 Mbyte = 1048576 bytes)

Data in the deleted Primary DOS Partition will be lost. What primary partition do you want to delete..? [2]

Press Esc to return to FDISK Options



Debian [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Delete Primary DOS Partition

Current fixed disk drive: 1

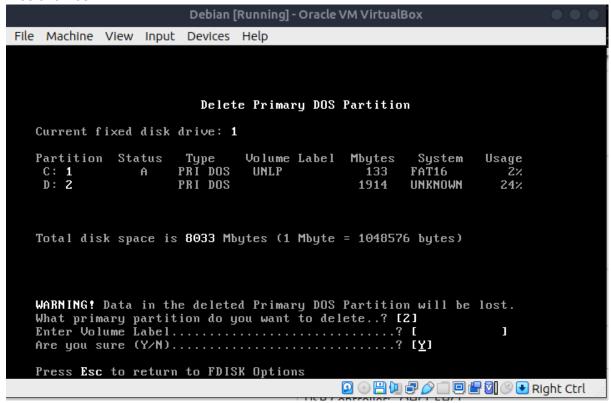
Partition Status Volume Label Mbytes System Type Usage C: 1 D: 2 **1**33 PRÍ DOS FAT16 UNLP 2% Ĥ PRI DOS 1914 UNKNOWN 24%

Total disk space is 8033 Mbytes (1 Mbyte = 1048576 bytes)

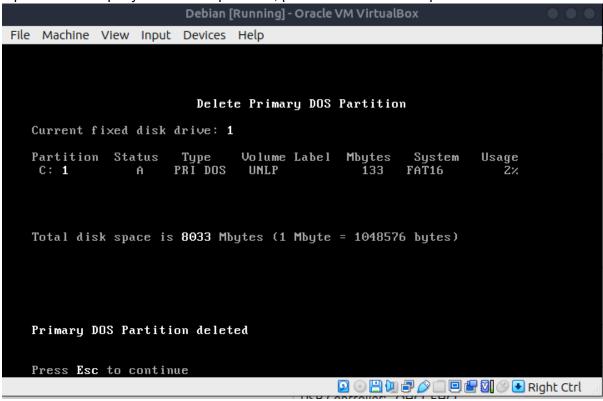
Press Esc to return to FDISK Options



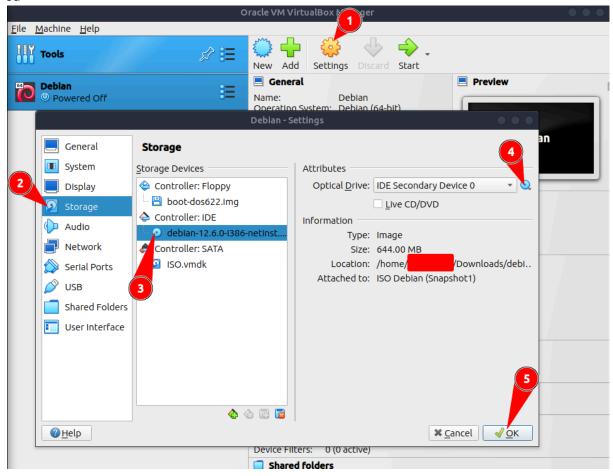
Presionamos Y



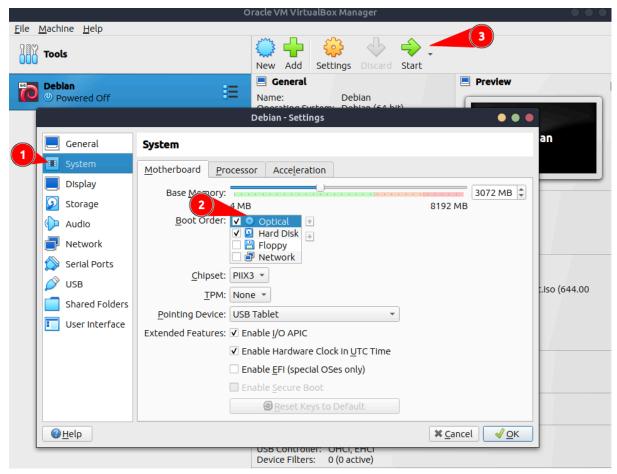
Y podemos ver que ya no esta la particion, podemos cerrar la maquina virtual.



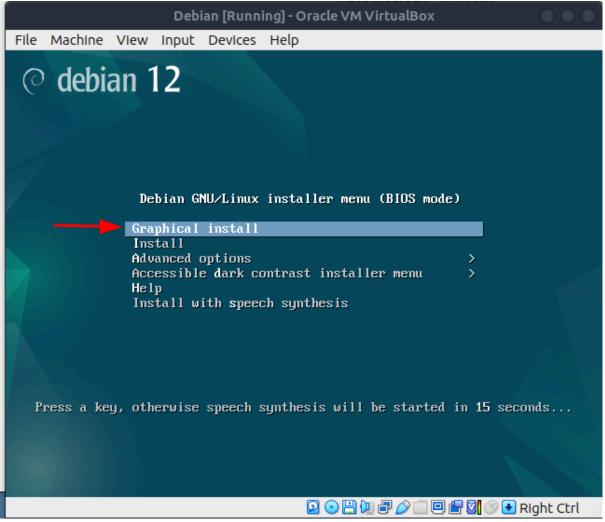
Luego montamos la imagen que descargamos de Debian que descargamos en el lector de cd



nos aseguramos que la unidad de cd tenga mas prioridad que la HDD antes de iniciar de nuevo la maquina virtual



Iniciamos la instalación de Debian, voy a usar la interfaz grafica



Contitnuar...