UNIT 2 ASSIGNMENT

- **1.** Install Ubuntu (I chose ubuntu 16 because of my computer's RAM) following this steps.
 - 1. <u>Create the virtual machine</u>. Chose the type (Linux) and the version of the operative system (Ubuntu 16, 64-bit), the memory size (2 GB) and select "Create a virtual hard disk now". Finally, click in "Create".
 - 2. <u>Create Virtual Hard Disk</u>. Select the file location (By default, it's automatically saved in a default folder), the file size (80 GB), chose the hard disk file type (Virtual Hard Disk) and the storage in the physical hard disk (dynamically allocated). Once, having finished this, there is created the virtual machine.

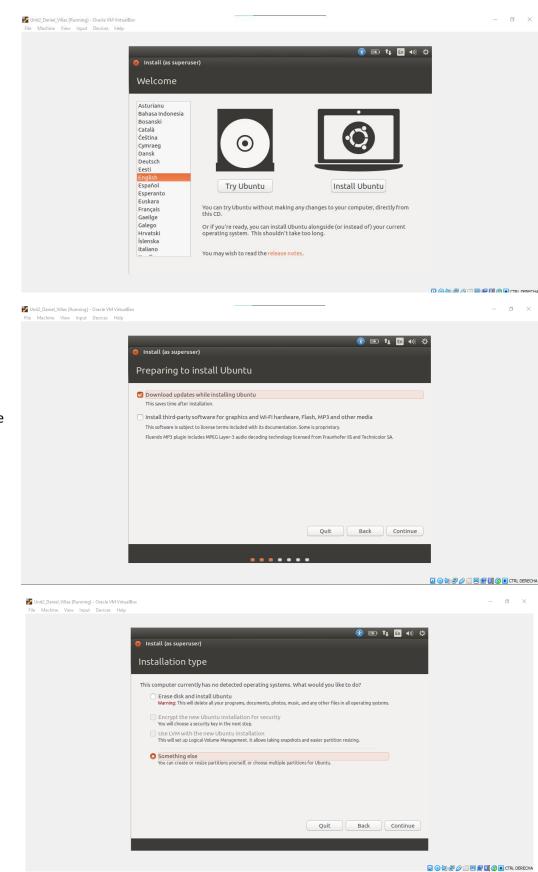
	← Create Virtual Machine	
	Name and operating system	
	Name: Unit2_Daniel_Villas	
	Machine Folder: C:\Users\DanielV\VirtualBox VI	Ms V
	Type: Linux	F4 F
1	Version: Ubuntu (64-bit)	*
_	Memory size	2048 • MB
	4 MB	4096 MB
	Hard disk	
	O Do not add a virtual hard disk	
	 Create a virtual hard disk now 	
	Use an existing virtual hard disk file	
	Exercise 1.vdi (Normal, 50,00 GB)	▼ 🔯
		Guided Mode Create Cancel
4	Create Virtual Hard Disk	? ×
	File location	
	C:/Users/DanielV/VirtualBox VMs/Unit2_Daniel_Villas/Un	nit2_Daniel_Villas.vhd
	File size	
		60,00 GB
7	4,00 MB	2,00 TB
_	Hard disk file type	Storage on physical hard disk
	O VDI (VirtualBox Disk Image)	Dynamically allocated
	VHD (Virtual Hard Disk)	○ Fixed size
	○ VMDK (Virtual Machine Disk)	Split into files of less than 2GB
	O HDD (Parallels Hard Disk)	
	O QCOW (QEMU Copy-On-Write)	
	O QED (QEMU enhanced disk)	
		Guided Mode Create Cancel

Now, start to configure ubuntu.

1. Click in "Install ubuntu".

2. Select "Download updates while installing ubuntu".

3. Chose "Something else"

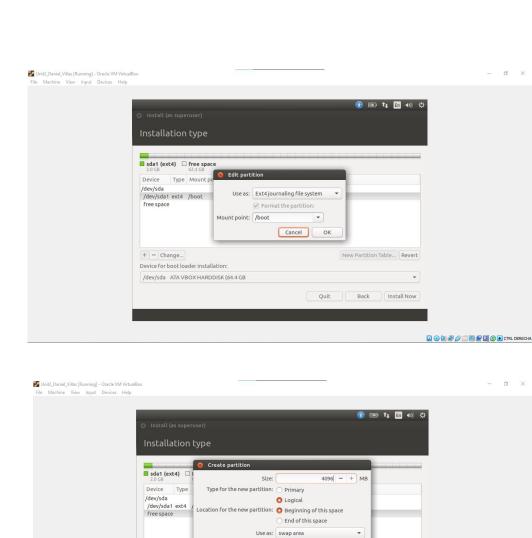


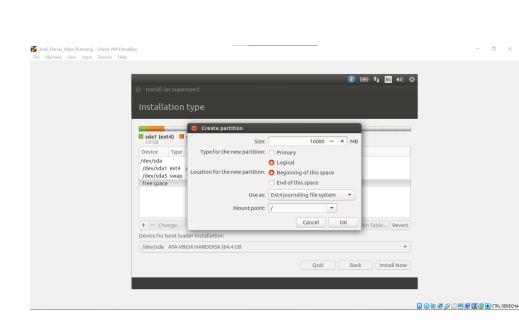
Time to create the partitions:

1. /Boot with 1GB

2. The swap area with 4GB

3. / with 16GB





+ - Change.

Device for boot loader installation:

/dev/sda ATA VBOX HARDDISK (64.4 GB

Cancel OK

New Partition Table... Revert

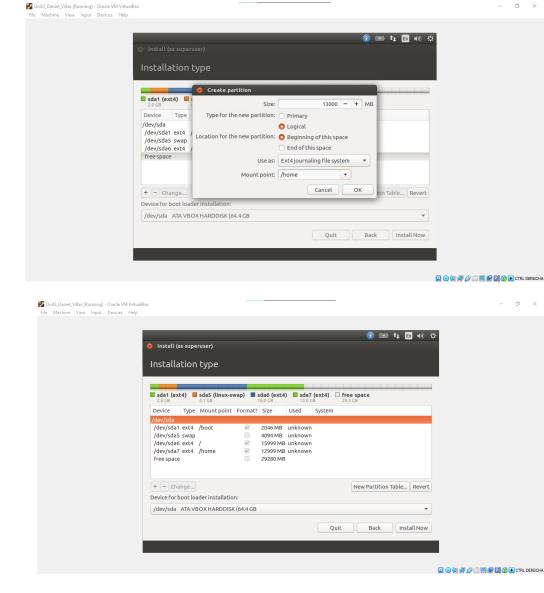
O DE PORTO O CTRL DERECHA

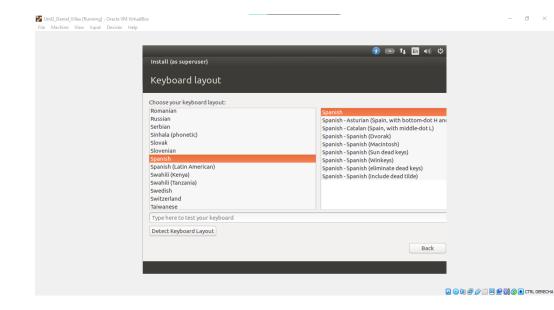
Quit Back Install Now

4. /home with 13 GB

Now, there are all the partitions created, so only least click in "Install Now".

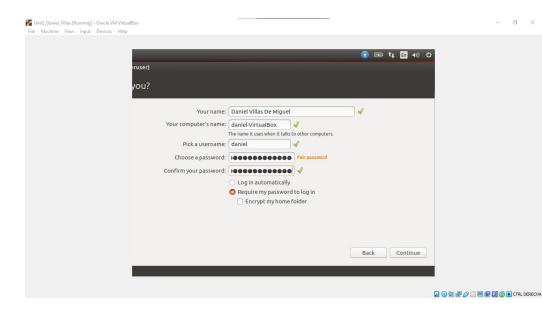
Then, select the keyboard layout, in this case in Spanish because of the special characters.

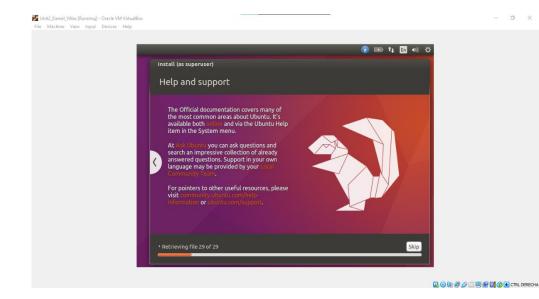




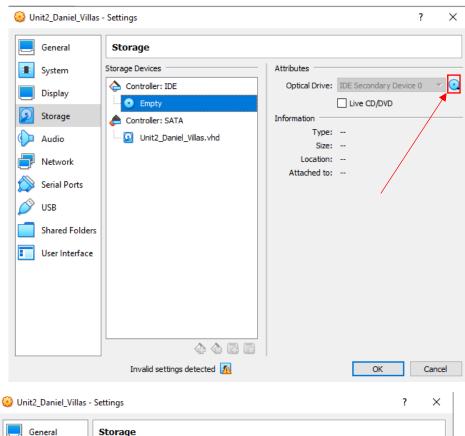
Afterwards, write the user's name, the computer's name, pick a username and chose a password.

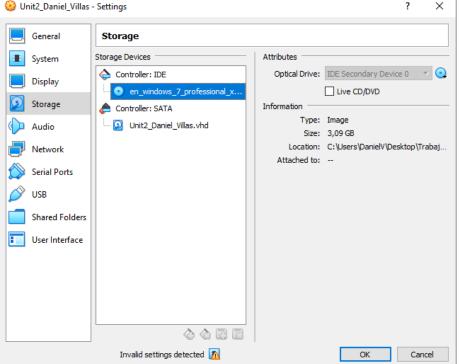
Finally, let the computer finish install Ubuntu.





Then, to add another operative system, go again to the settings and go to "storage" select the empty controller IDE and chose the windows one.

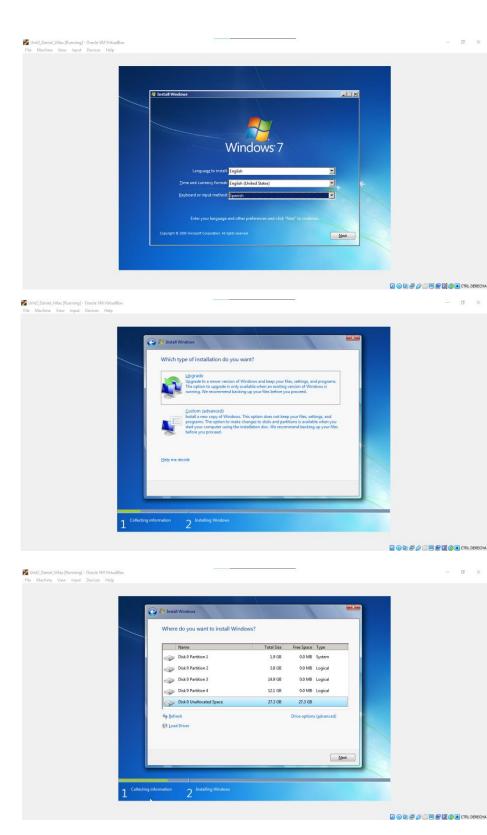




Select the language, the time and currency format and the keyboard layout.

In the type of installation, chose "custom (advanced)".

Now, select the disk with



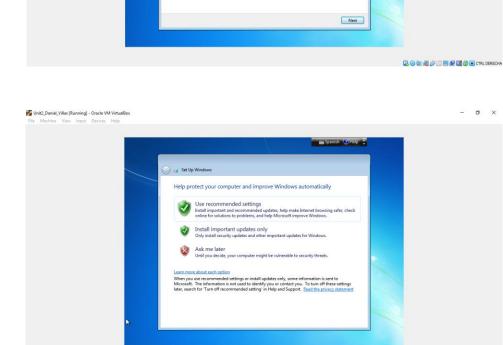
Select a username and a computer name.



Set a password for your account

Type a password

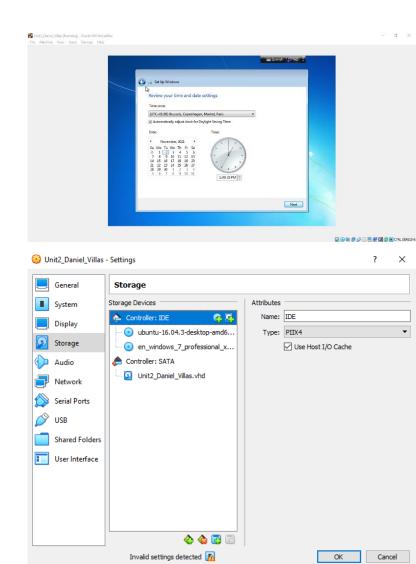
To help protect the computer, use the recommended settings.



Q O III P O BEECHA

The time and date settings

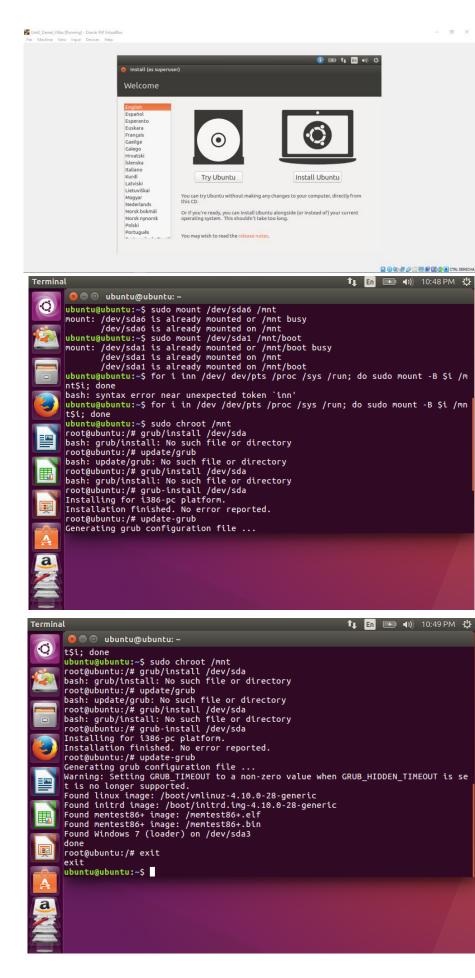
Then, go back to the virtual machine settings, go to storage and add the other iso file.



Afterwards, select "try ubuntu".

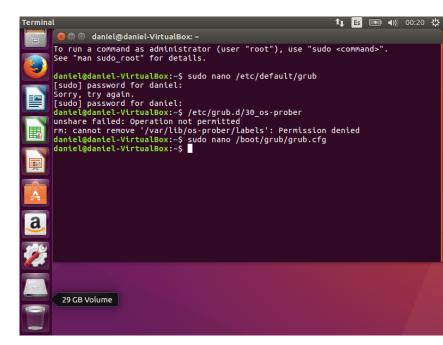
Once the virtual machine is booted with ubuntu, open the terminal to reinstall the GRUB 2. This are the commands:

- -sudo mount /dev/sda6 /mnt
- -sudo mount /dev/sda1/mnt/boot
- -for i in /dev /dev/pts /proc /sys /run; do sudo mount –B \$i /mnt\$i; done
- -sudo chroot /mnt
- -grub-install /dev/sda
- -update-grub



Then, write the command 'sudo nano /etc/default/grub' and type the following commands:

- GRUB_DEFAULT=4
- #GRUB_HIDDEN_TIMEOUT=10
- #GRUB_HIDDEN_TIMEOUT_QUIET=false
- GRUB_TIMEOUT_STYLE=countdown
- GRUB_TIMEOUT=10



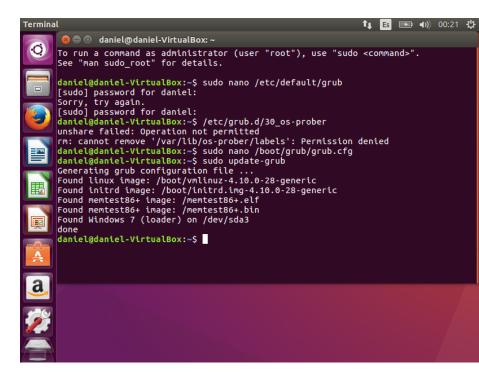


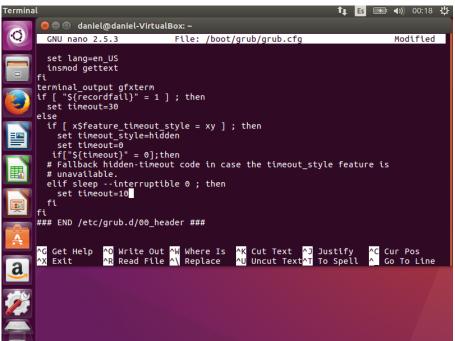
Write the command 'sudo nano /boot/grub/grub.cfg', then write in the terminal the following lines:

If["\${timeout}" = 0]; then

Set timeout=10

fi





Finally, create the shared folder and the internet connection.

To create the shared folder go to "Shared Folders", click the add folder icon, chose a folder in the computer and select "Auto-mount".

To connect to internet, go to "Network" and set the option "Attached to" to "Bridget Adapter".

Now, can see that the virtual machine is connected to internet correctly.

