FSO Virtual Machine Installation

File Download

Note that these are large files, especially the FSO virtual machine (2GB). Depending on your Internet speed, it can take a long time.
Download the following files:

1. FSO Virtual Machine:
smb://zuria.cc.upv.es/disca/Asignaturas/Alumnos/gii-fso

On Windows System:
-Select in the "File Explorer" the item "This computer", and "Connect to network drive ...". Enter the path of the shared folder:
\\zuria.cc.upv.es\disca\Asignaturas\Alumnos\gii-fso

Also, when the connection process asks for the user, specify the domain, "STUDENT". For example: for the student user "sasiro", you would have to specify "ESTUDIANTE \ sasiro" and then the password. More information at:
https://www.upv.es/contenidos/INFOACCESO/infoweb/infoacceso/dat/908409normal c.html

2. Extension Pack:
https://download.virtualbox.org/virtualbox/6.1.14/Oracle_VM_VirtualBox_Extension_Pack-6.1.14.vbox-extpack

3a. Virtual Box for Windows:
https://download.virtualbox.org/virtualbox/6.1.14/VirtualBox-6.1.14-140239-Win.exe
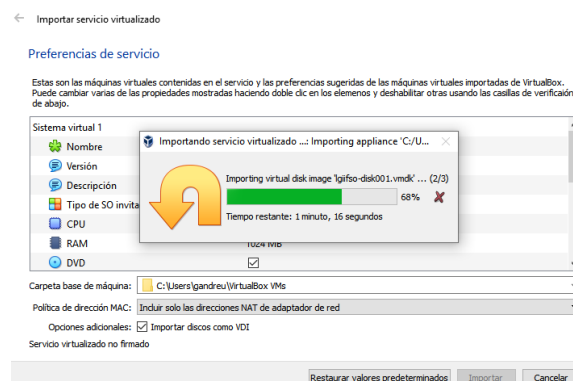
3b. Virtual Box for OS X:
https://download.virtualbox.org/virtualbox/6.1.14/VirtualBox-6.1.14-140239-OSX.dmg
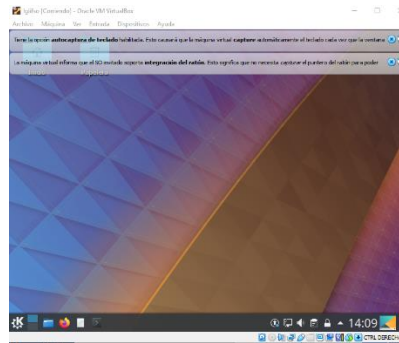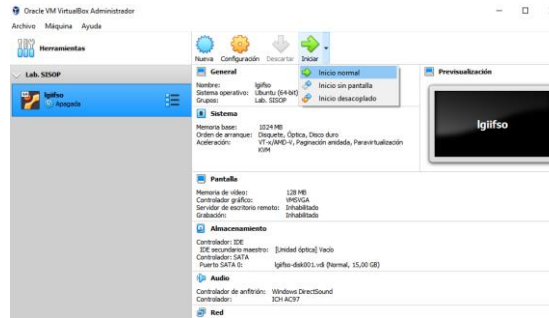
Installation

1. Install Virtual Box
2. Install Extension Pack
3. Double click on the downloaded file "lgiifso_v1.2-20200728.ova" to import the virtual machine.
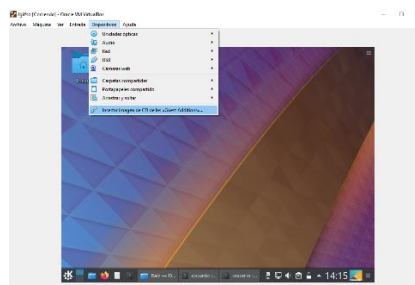

4. Start Virtual Machine

If the problem "Not in a hypervisor partition" appears when starting the machine.
You have to enable virtualization in the BIOS of your PC. Follow the instructions on this link: https://techsupportwhale.com/not-in-a-hypervisor-partition/

5. Install Guest Additions
These are packages of tools available in VirtualBox to install in virtual machines, providing them with advanced functionalities for the interaction between the host system and the virtualized (guest) system:

• **Support for shared folders:** with these tools you can configure shared folders to access the files of the host machine from the virtual machine.
• **Shared clipboard**: you can copy and paste files from the virtual machine to the host and vice versa directly.
• **Drag and drop:** since the clipboards are connected, you can also drag items from one system to another.
• **Integrated mouse:** you can move the mouse pointer seamlessly between the two machines without using keyboard shortcuts to enter and exit the virtual machine.

Insert Guest Additions CD Image: Dispositivos -> Insertar imagen…
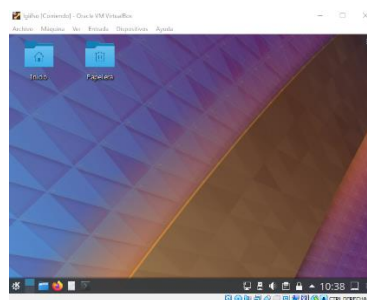

Open a console or terminal "Konsole":
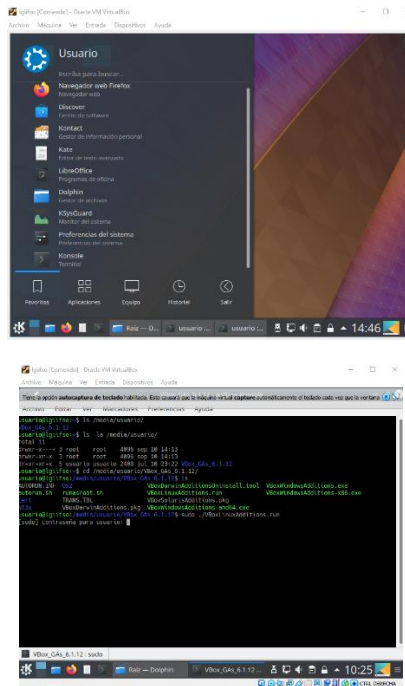
```
$ cd /media/usuario/VBox_GAs_6.1.12
$ sudo ./VBoxLinuxAdditions.run
contraseña: usuario
$ sudo reboot
```

Wait for the machine to restart.

Using the virtual machine
You have a machine with the Linux operating system to do the practices.

Linux Kubuntu 18.04 LTS
Usuario: "usuario"
Clave: "usuario" - Clave para 'sudo' y administración.

Share the Clipboard:
To share the Clipboard and be able to "copy and paste" from the inside out of the
machine and vice versa, enable the following option in: Dispostivios ->
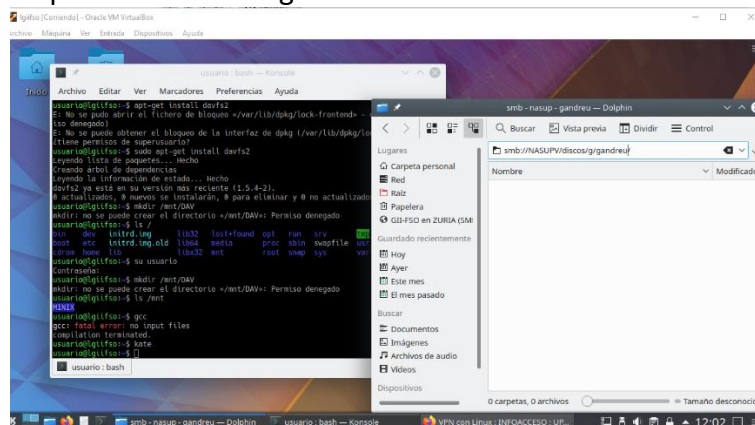Portapapeles compartido

Mount drive W:
The description of how to mount the unit w can be found at:
https://www.upv.es/contenidos/INFOACCESO/infoweb/infoacceso/dat/724147normalc.html

In general, the steps to follow are:

- Open the file manager

For UPVNET domain users :
     Server address: smb://NASUPV/discos/<letra>/<usuario>
For ALUMNO domain users :
     Server address: smb://NASUPV/alumnos/<letra>/<usuario>

Testing
You can do tests with the practice exercises