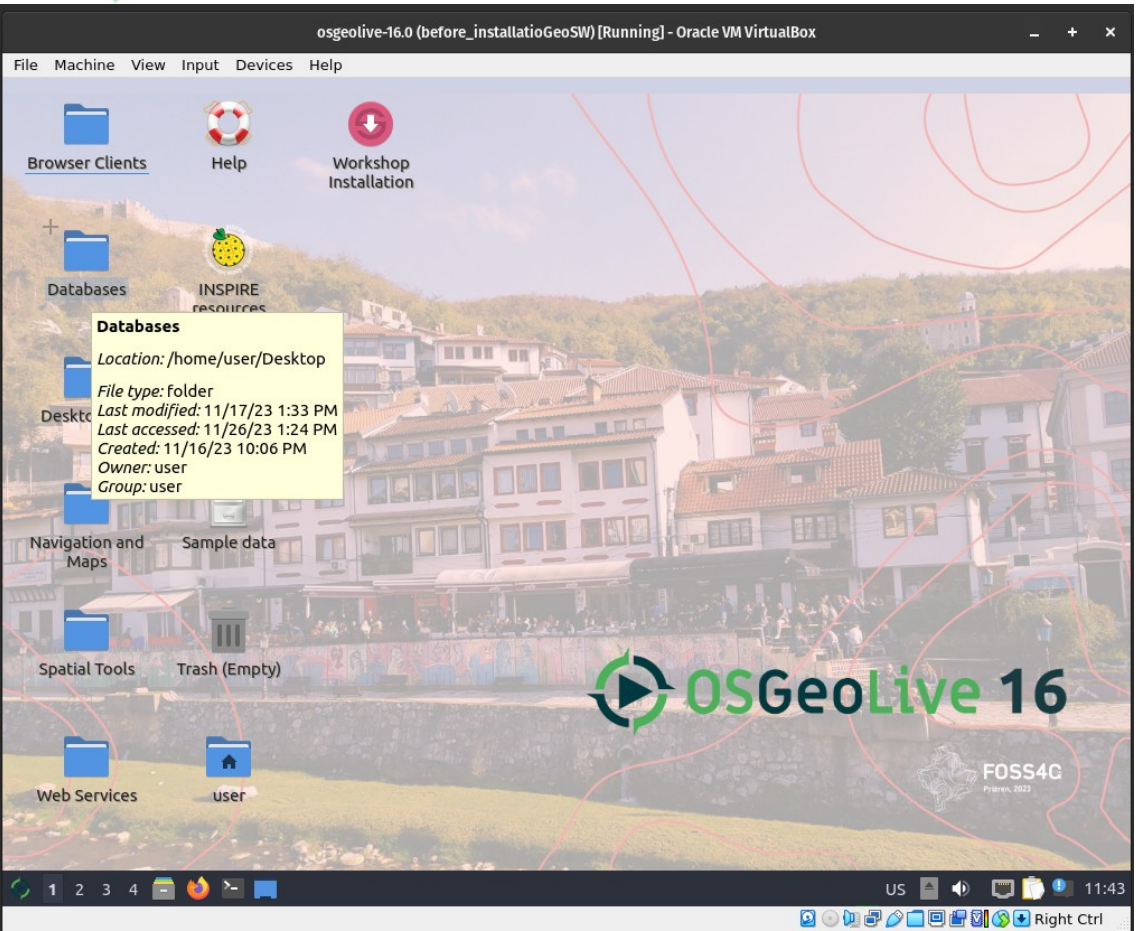
OSGeoLive for the Spatial Ecology courses

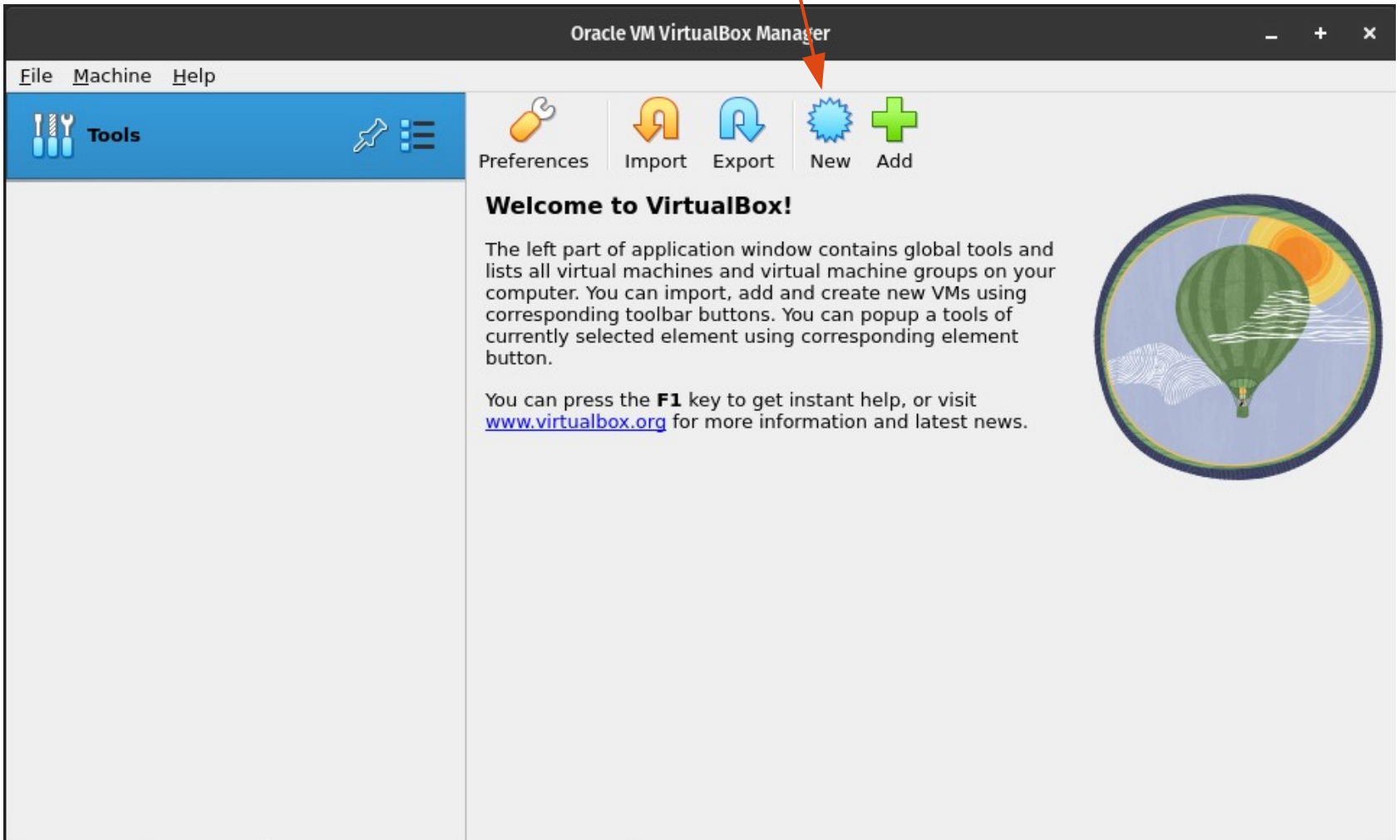


Mastering several Open Source software in a Linux OS

gnuplot openforis GDAL OSGeoLive rasdaman raster data management GRID ENGINE slurm workload manager OSGeoLive jupyter

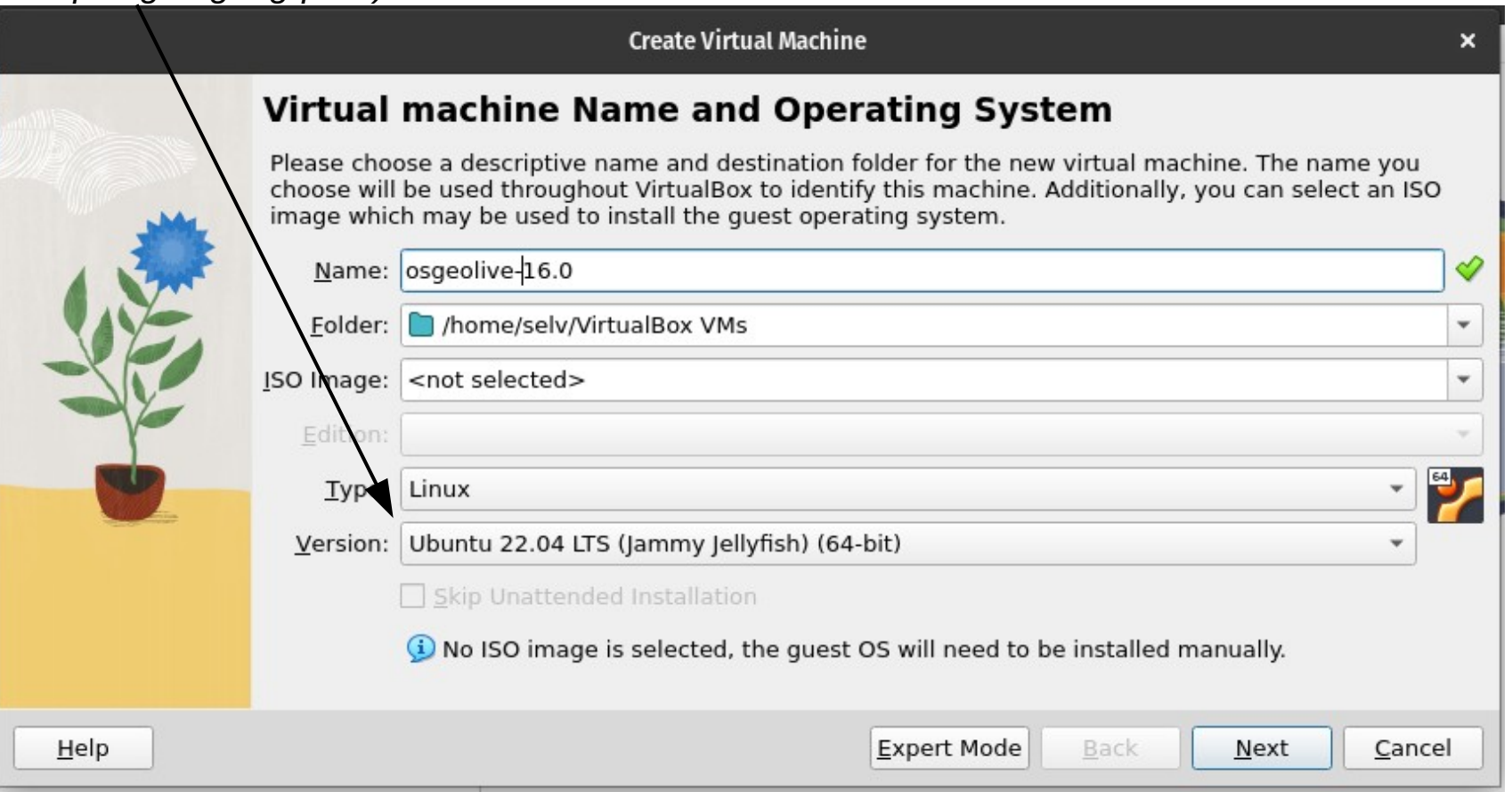
VirtualBox

Start the VirtualBox application and click on the New button to create a new VM, and then Next.



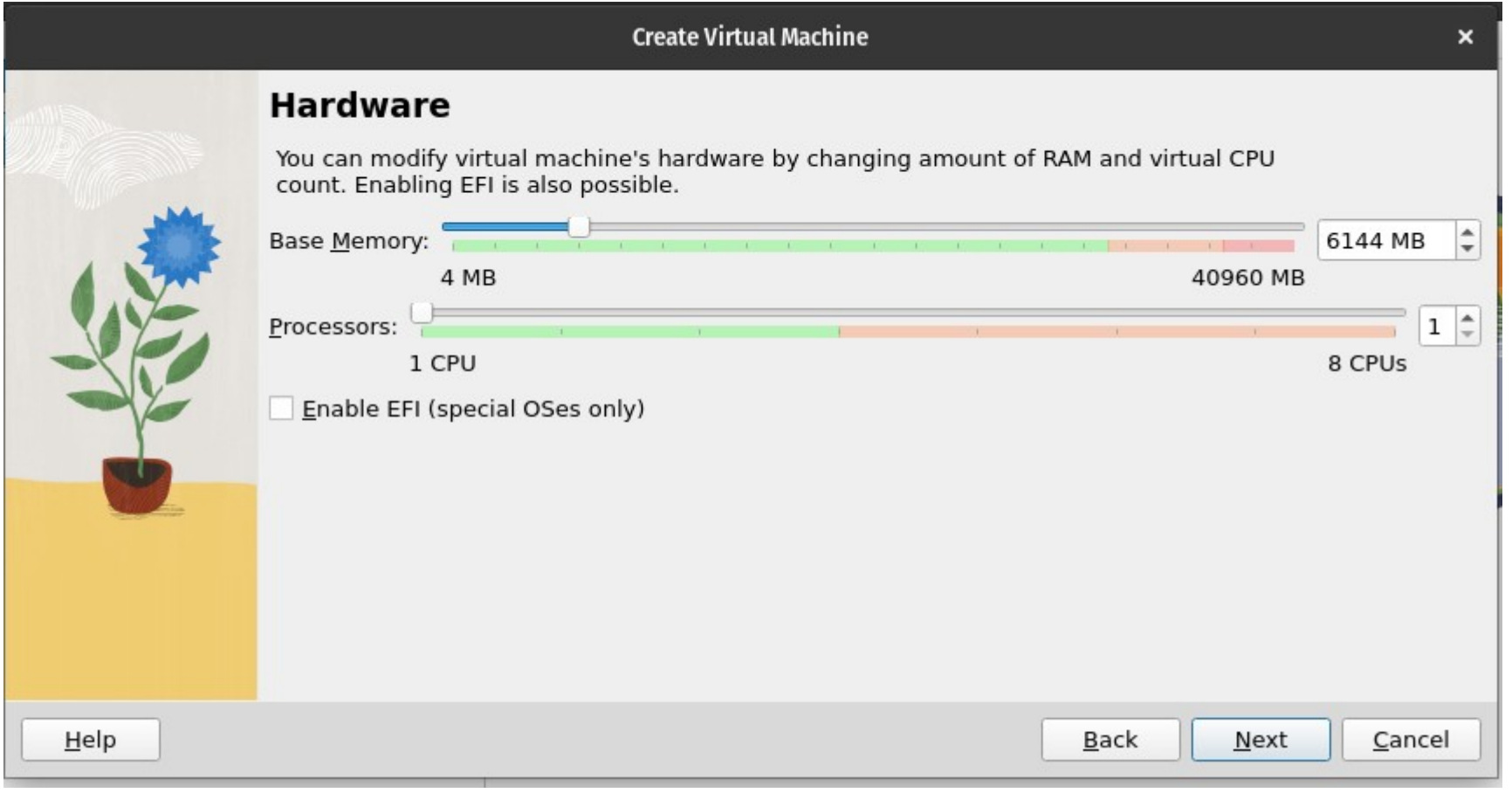
Create Virtual Machine
Enter a name such as osgeolive-16, and choose Linux as the “Operating system”, and Ubuntu (64bit) as “Version”.

Pay attention if you do not see Ubuntu (64bit) but only Ubuntu (32bit) *means that your BIOS is not set for virtualization. Enter BIOS according to your PC configuration and enable virtualization (see example at https://goo.gl/Zgq14A)*

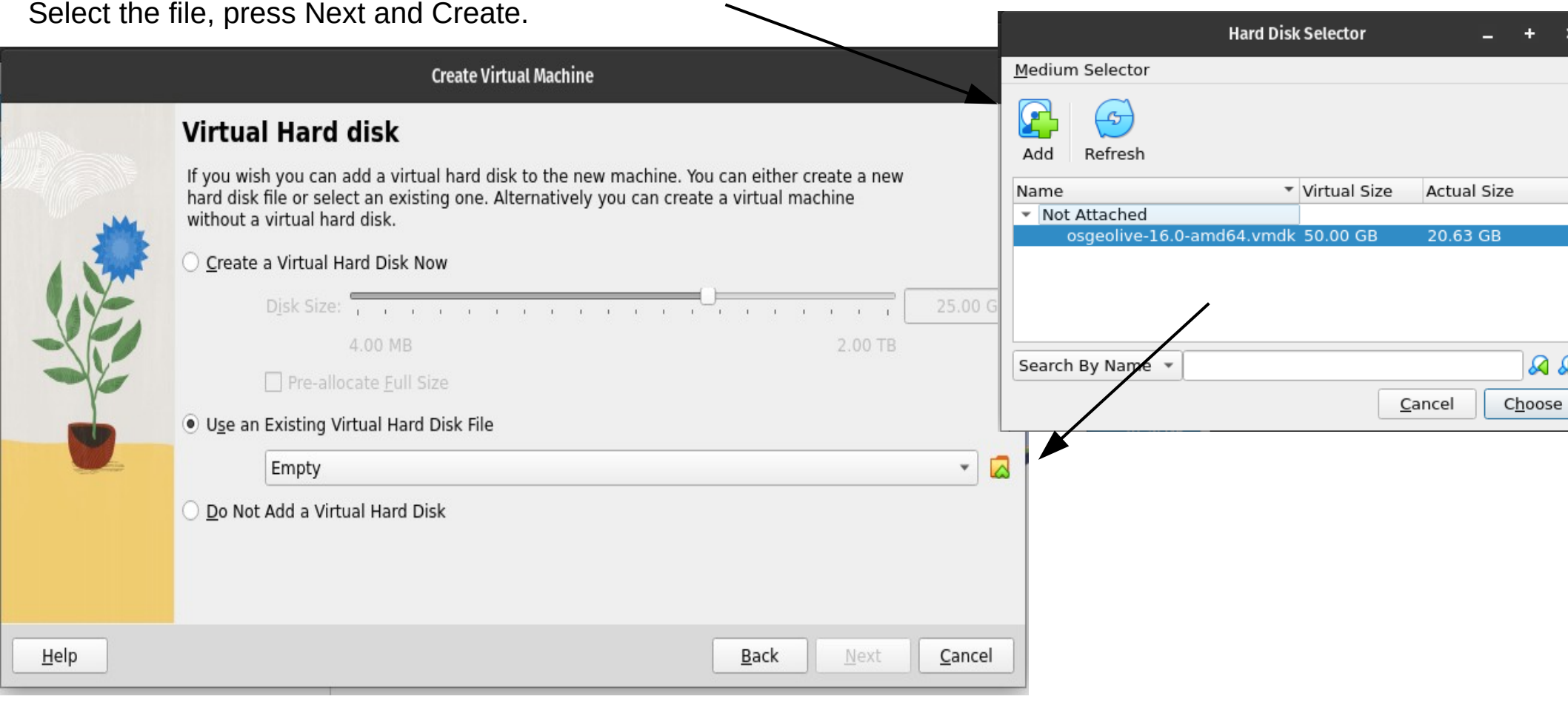


Leave the default path of your OS

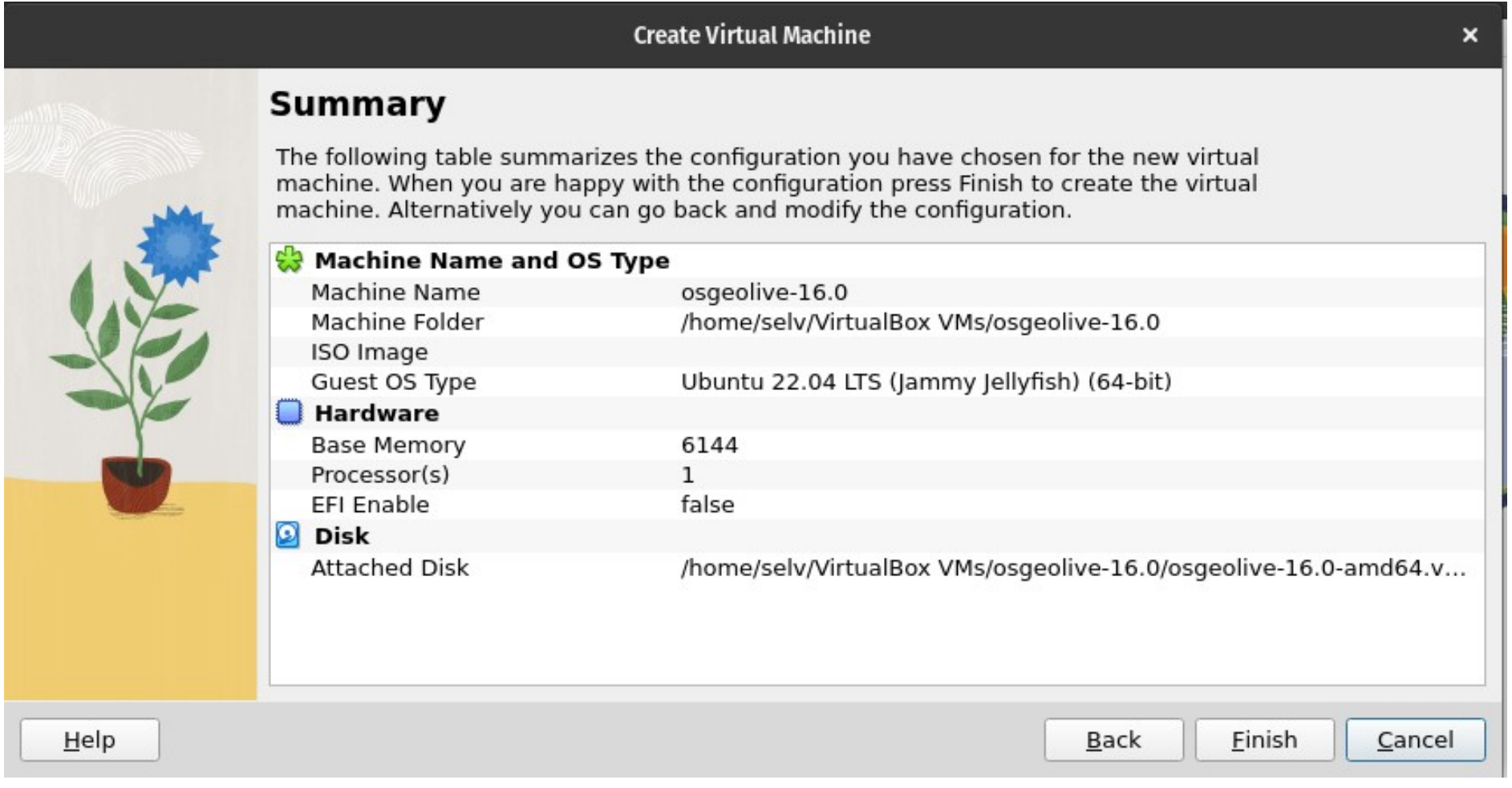
Set memory size
Set the memory Size (4-6G). The dedicate RAM for the VM can change according to the RAM of your host-pc.
Do not overpass the green area! Increase the processors (2CPUs) only if your VM is too slow.
Remember you can change these options only when the VM has been shout-down.



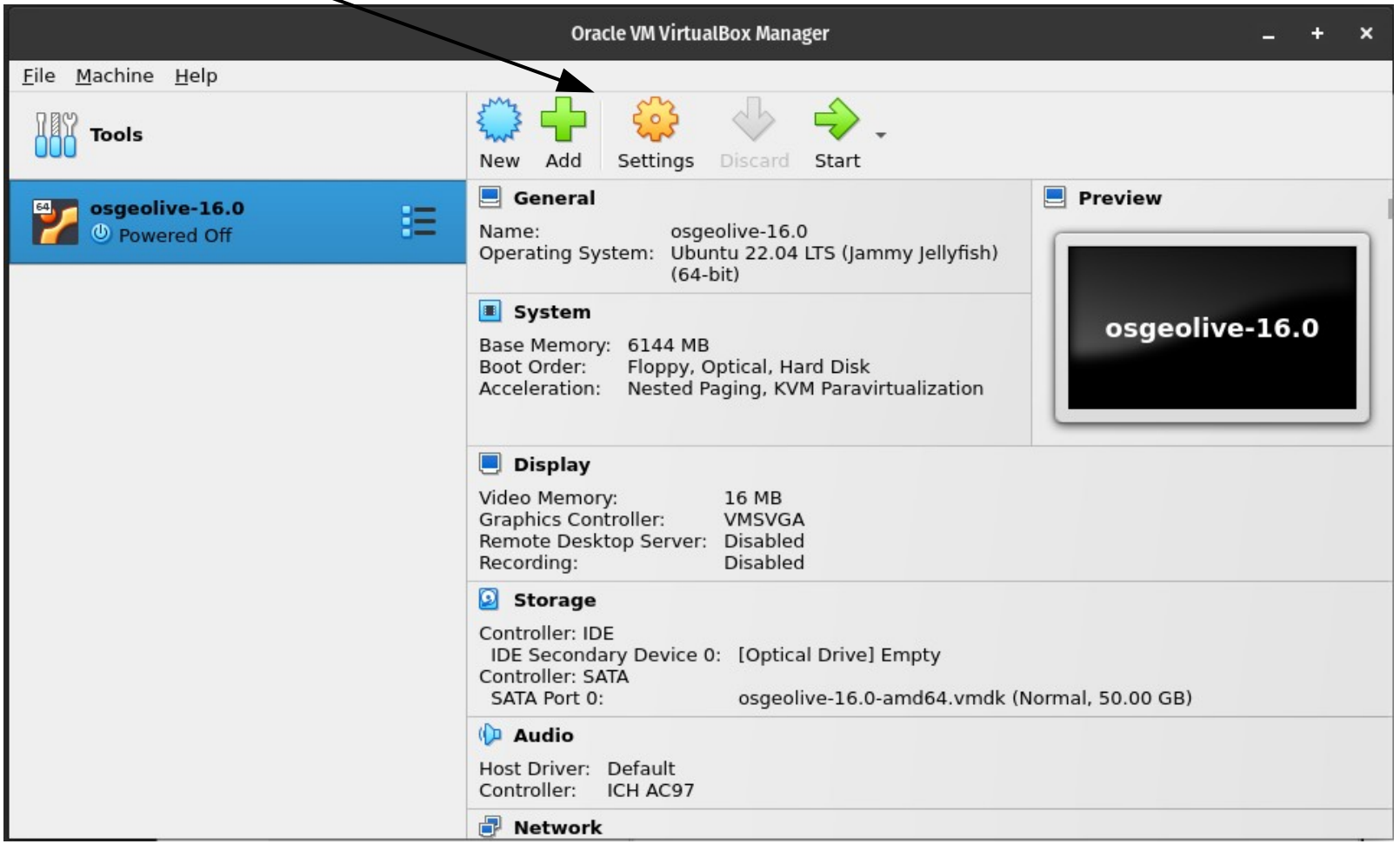
Load the vmdk file
Choose “Use existing virtual hard disk file”.
Now click on the button (a folder yellow icon) to browse to where you saved the osgeolive-16.0-amd64.vmdk file.
Select the file, press Next and Create.



Overview
Check if everything is correct

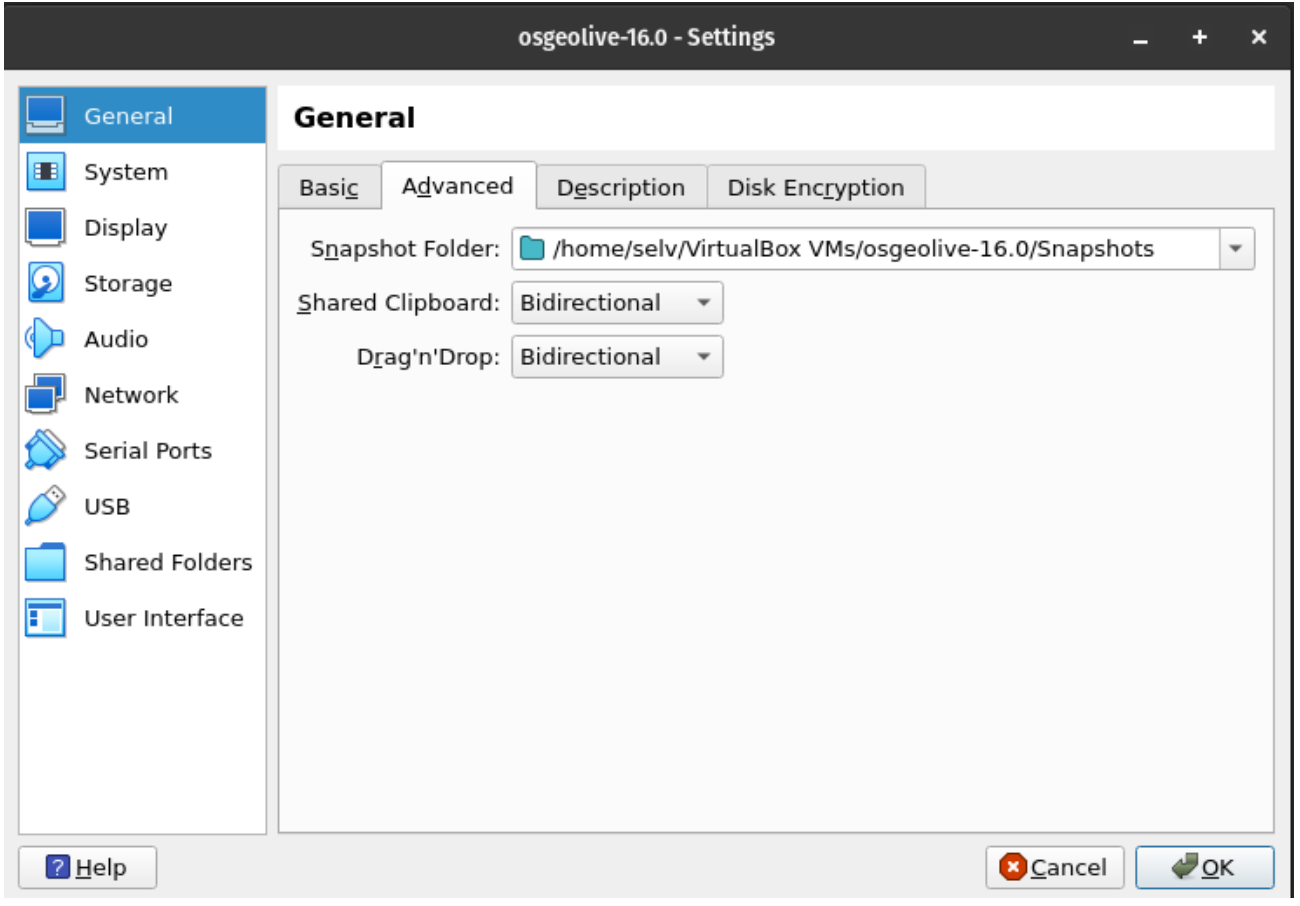


Setup
Adjust the settings



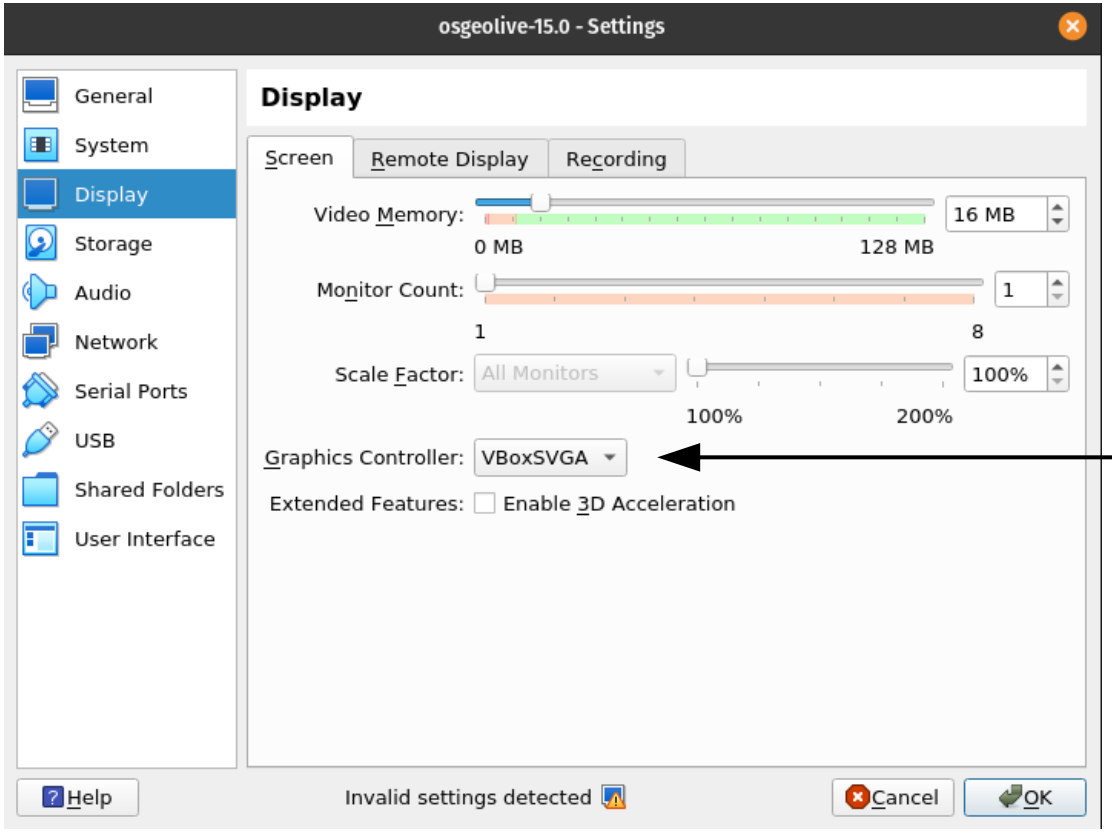
Virtual Machine settings
In VirtualBox → setting → General

Set Shared Clipboard and Drag and Drop to Bidirectional Optional.
Do not change the Snapshot Folder



Virtual Machine settings
In VirtualBox → setting → General

Set the Graphics Controller to allow the “Auto-resize Guest Display”.
If the VM screen resolutions will be too small try to change the Graphics Controller to adjust the “Auto-resize Guest Display”.



Select VBoxSVGA

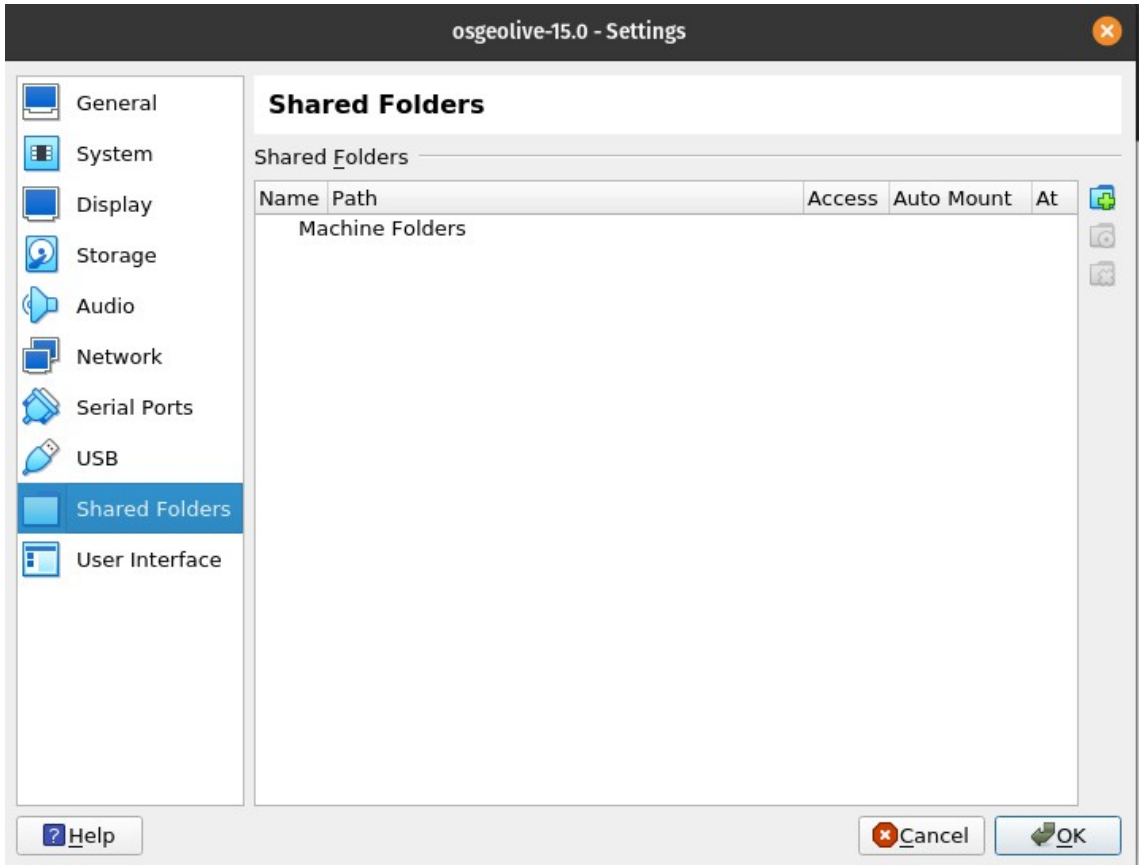
Sharing folder

Create an empty folder named LVM_shared in your OS

MAC OS X: /Users/*yourname*/LVM_shared

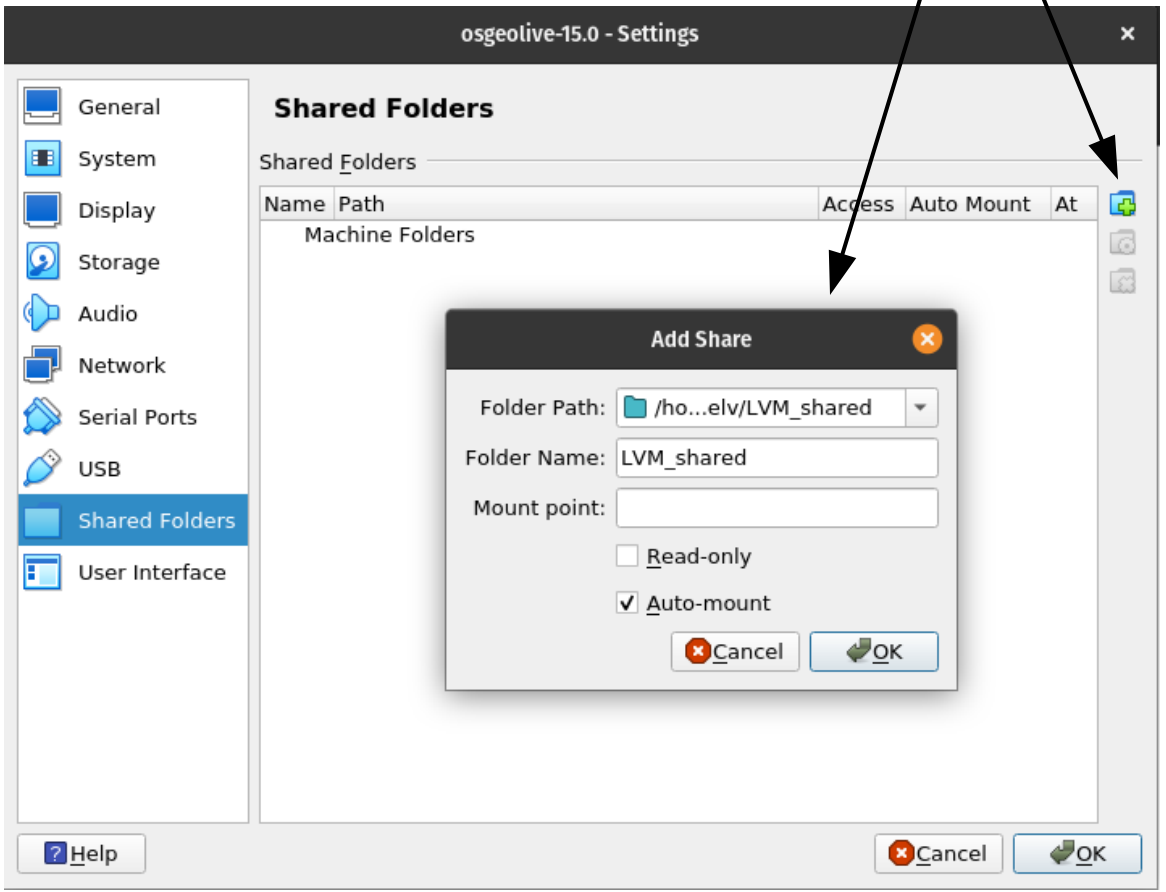
Windows OS: C:\Users*yourname*\Documents\LVM_shared

Linux: /home/*yourname/LVM_shared*



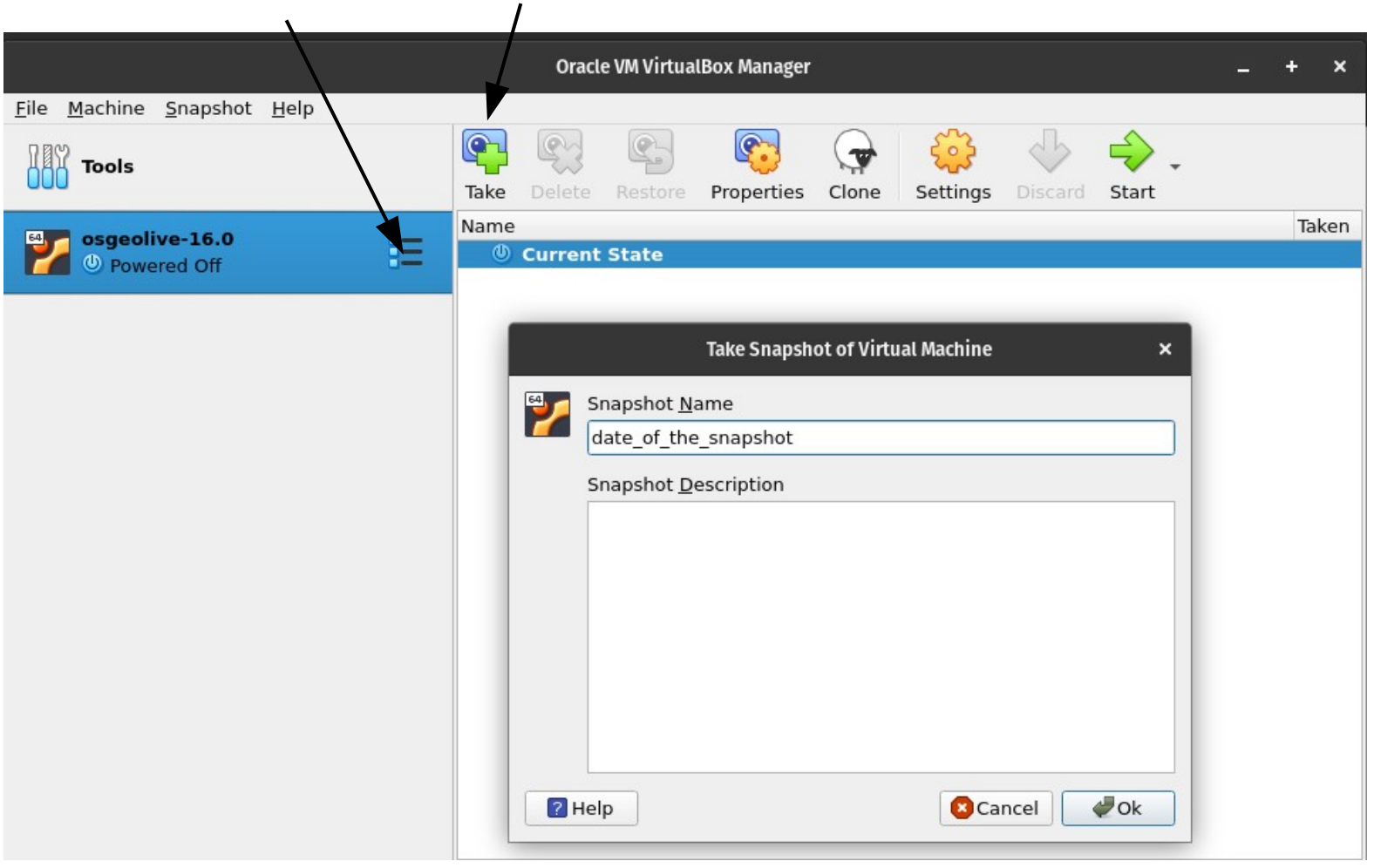
Sharing folder

Add new shared folder in VirtualBox → setting → shared folders →
Navigate to the host OS LVM_shared folder.
Activate the Auto-mount option and click OK



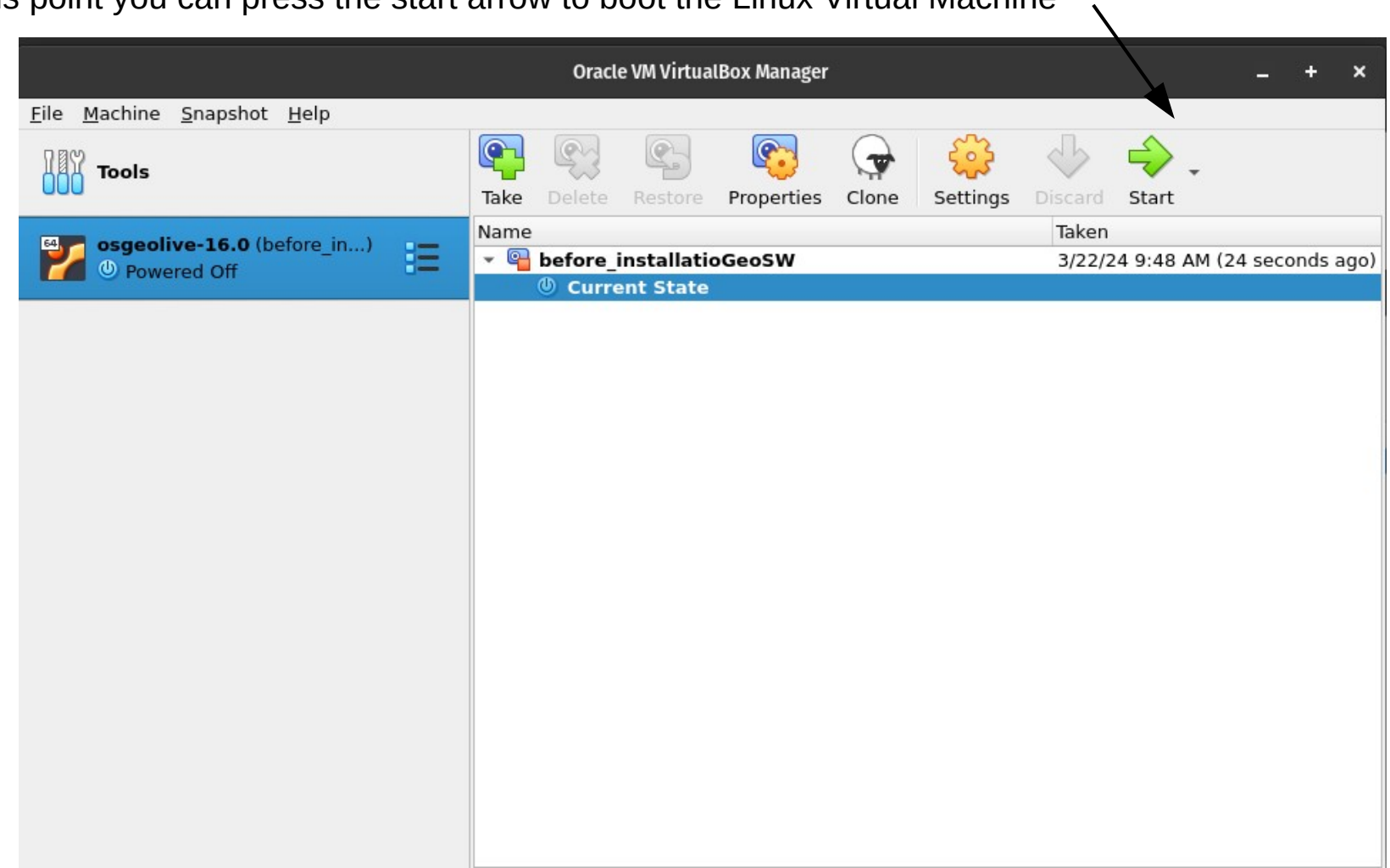
Snapshots

Create a snapshots of the current version. It will be useful for going back if something is not working

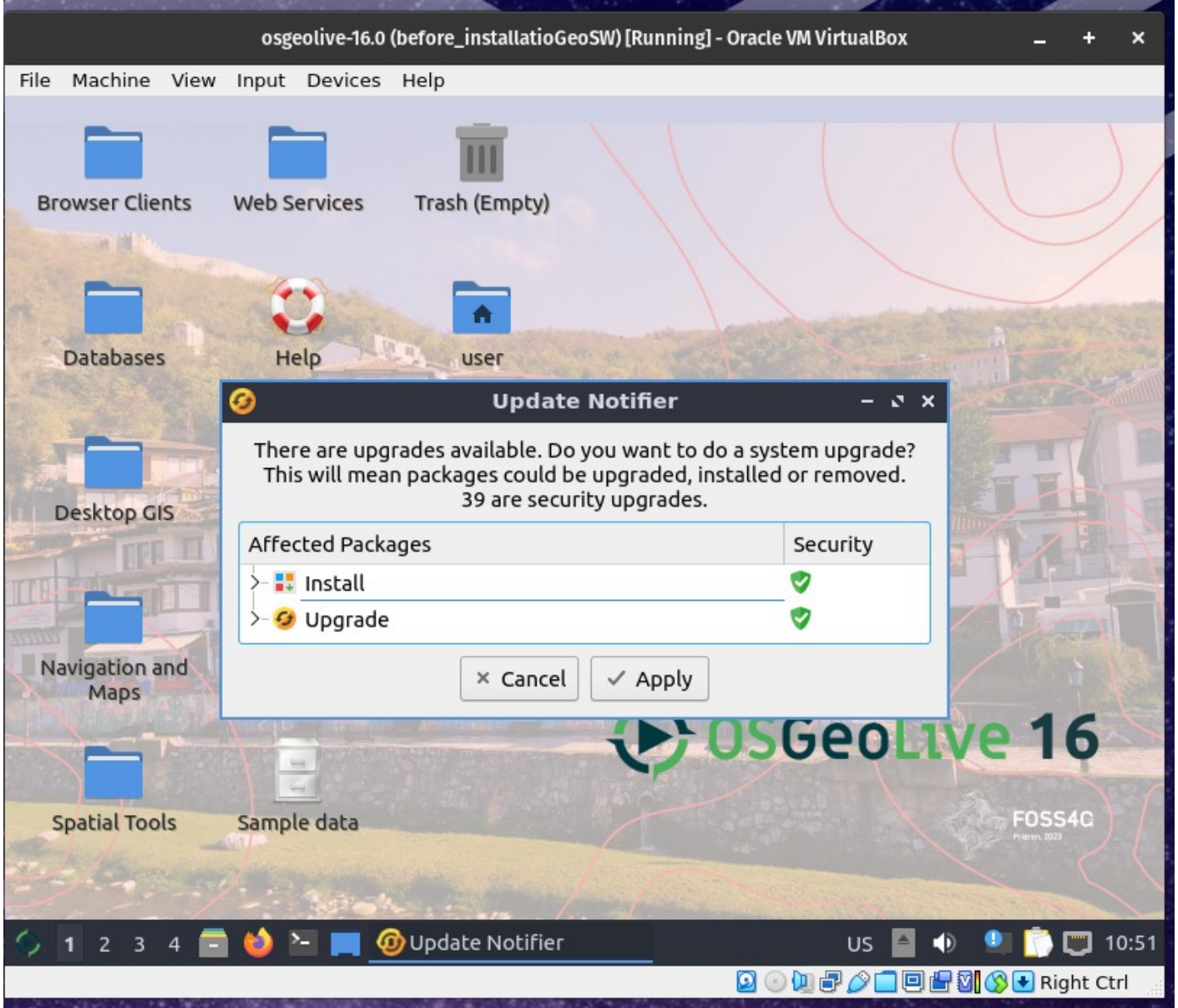


Start the Virtual Machine

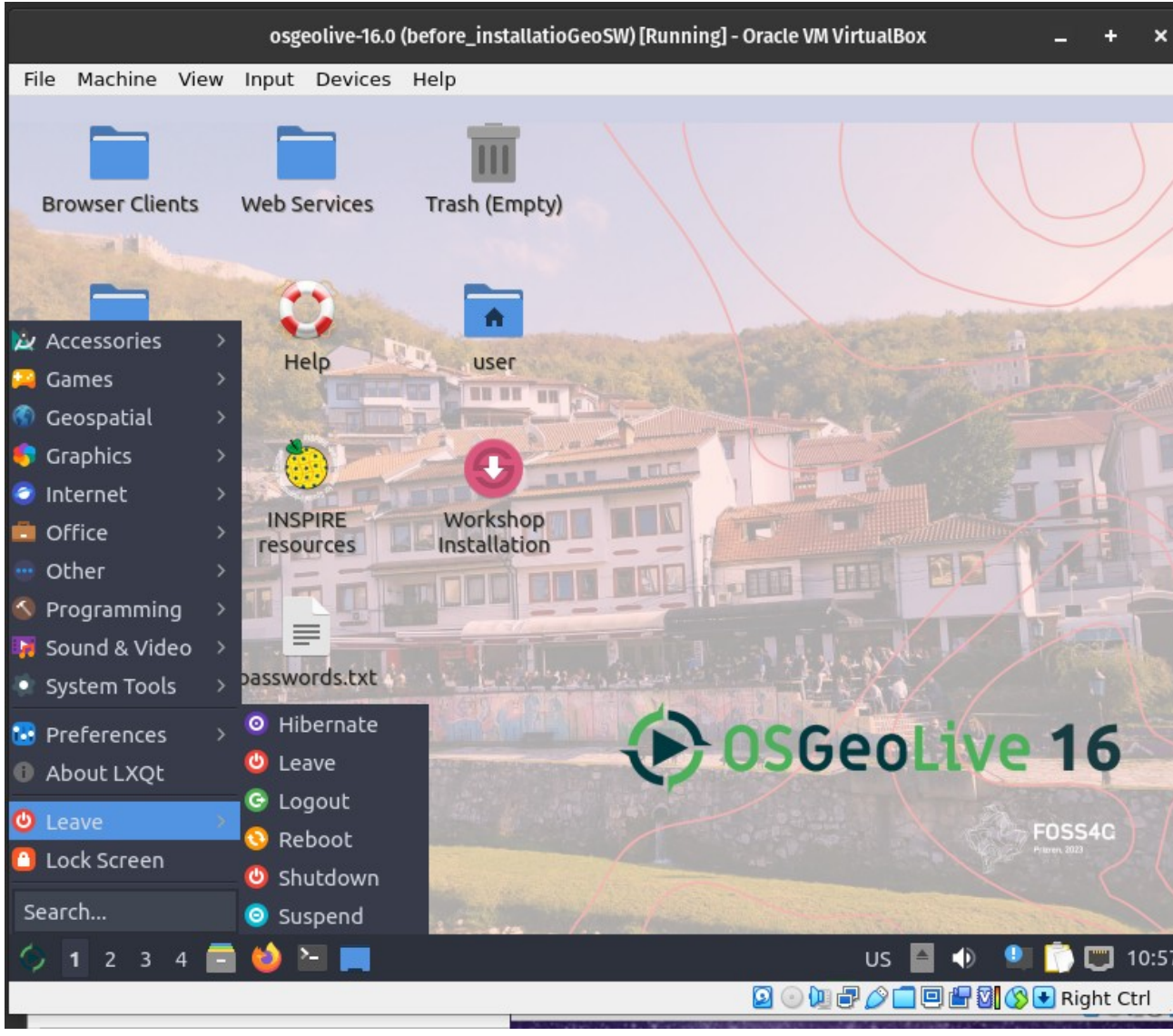
At this point you can press the start arrow to boot the Linux Virtual Machine

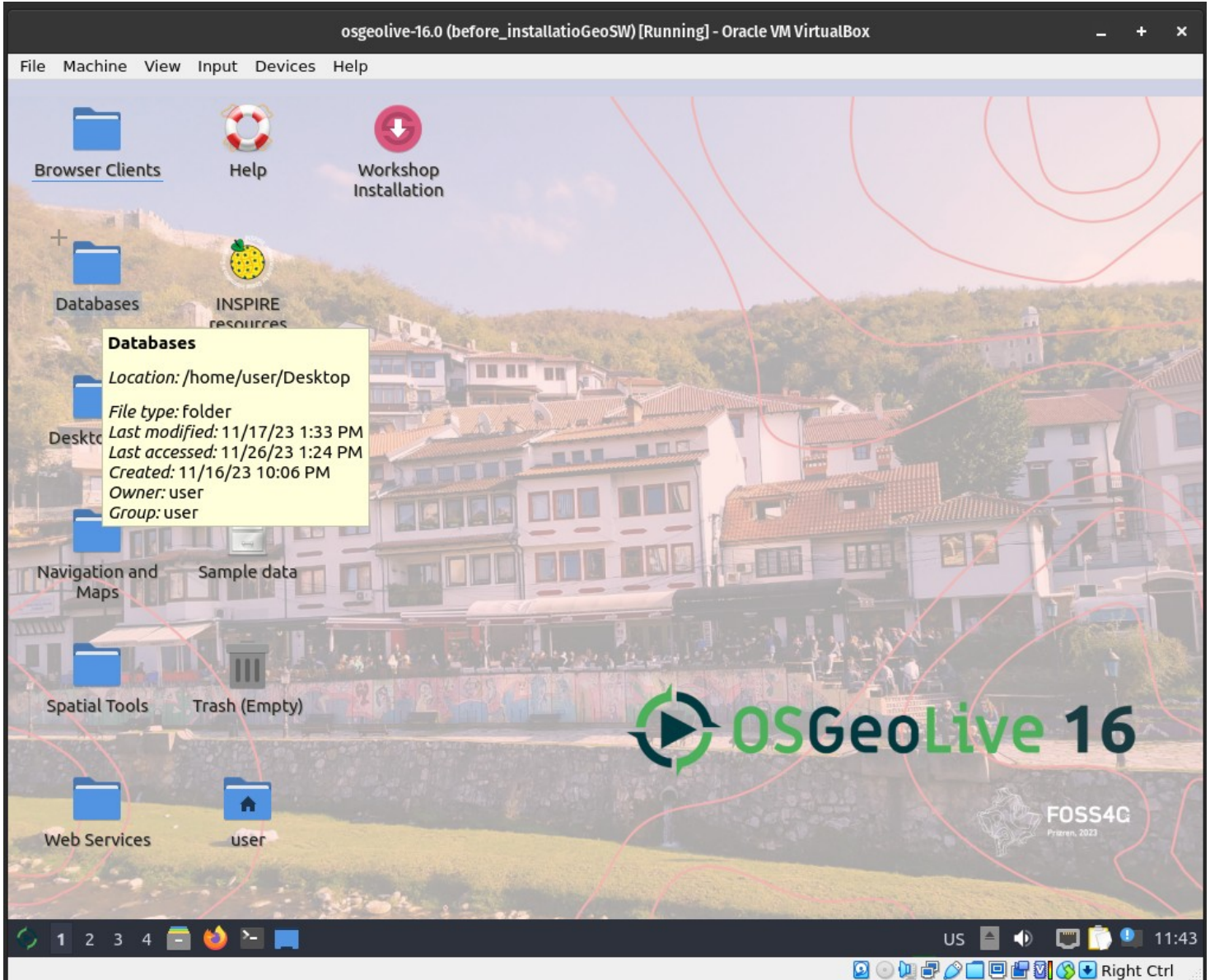


At this point the VM has been properly installed.
Proceed with the update of the OS.
The OS password is:
user



Always shutdown the VM clicking:
Green Icon > Leave > Shutdown




osgeolive-16.0 (before_installatioGeoSW) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Browser Clients
Help
Workshop Installation
Databases
INSPIRE resources
Databases
Location: /home/user/Desktop
File type: folder
Last modified: 11/17/23 1:33 PM
Last accessed: 11/26/23 1:24 PM
Created: 11/16/23 10:06 PM
Owner: user
Group: user
Navigation and Maps
Sample data
Spatial Tools
Trash (Empty)
Web Services
user
OSGeoLive 16
FOSS4G
1 2 3 4
US
11:43
Right Ctrl