

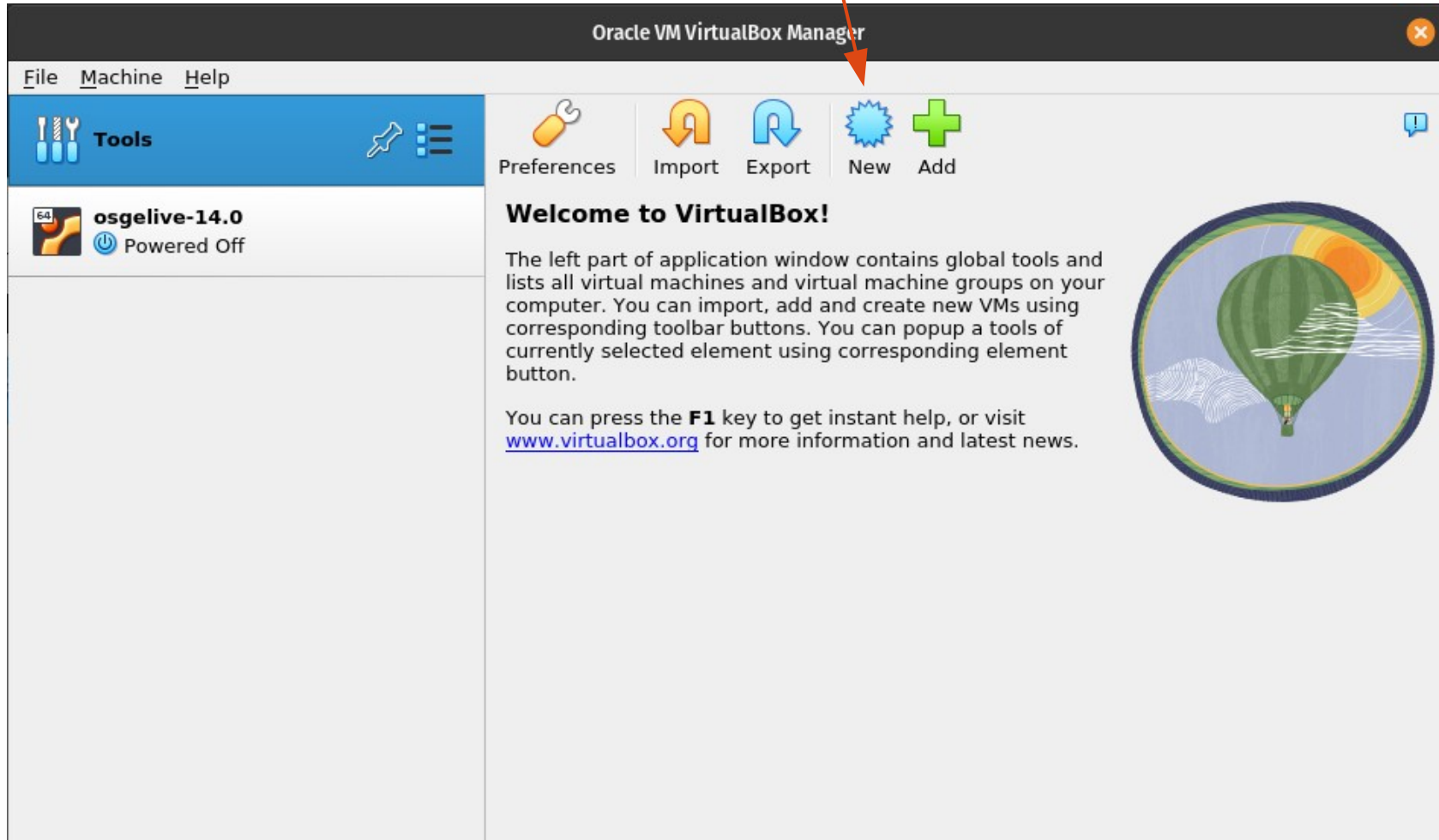
OSGeoLive for the Spatial Ecology courses

Mastering several
Open Source software
in a Linux OS



VirtualBox

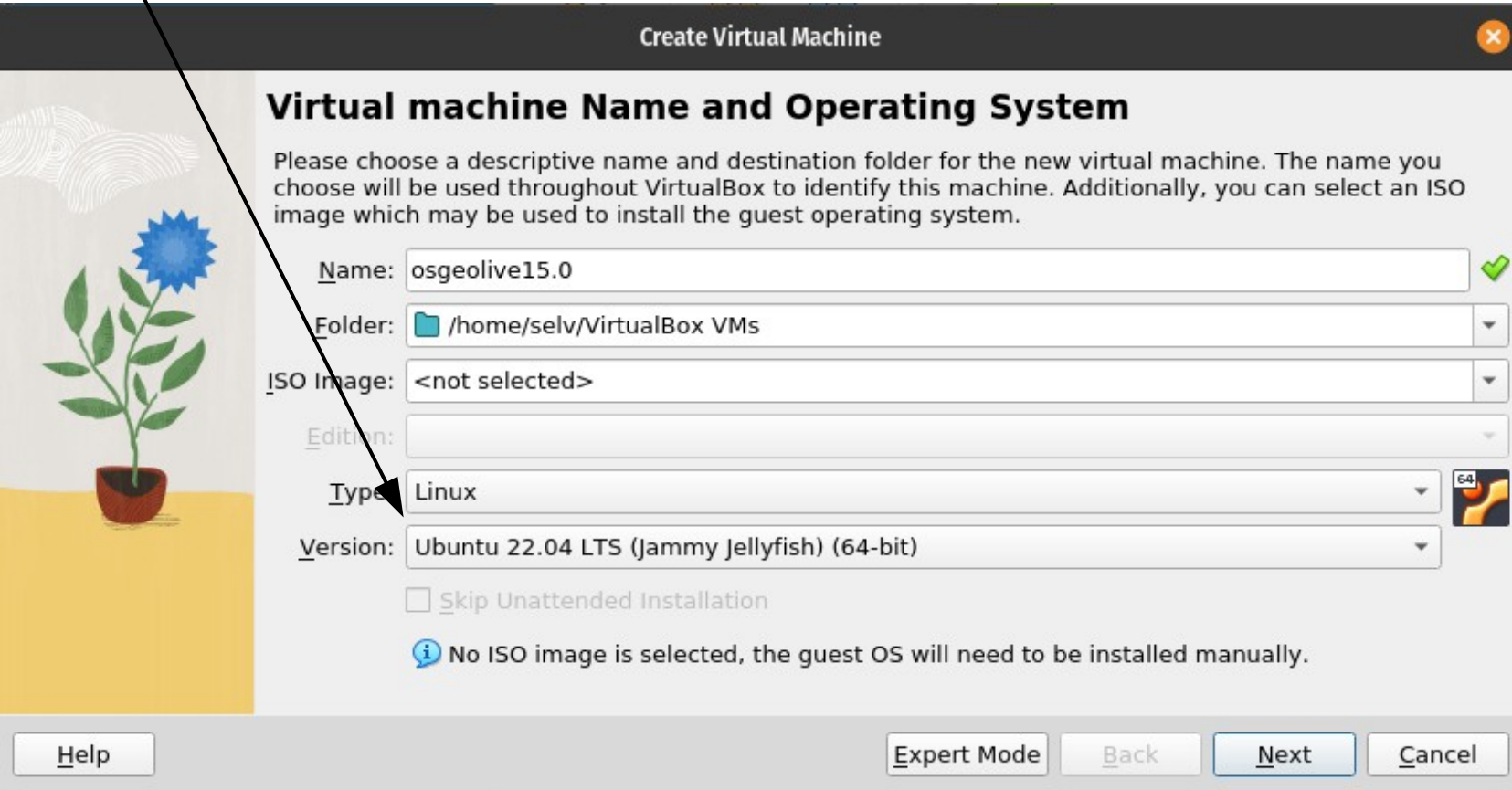
Start the VirtualBox application and click on the New button to create a new VM, and then Next.



Create Virtual Machine

Enter a name such as osgeolive-15, 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>)



Create Virtual Machine

Virtual machine Name and Operating System

Please choose a descriptive name and destination folder for the new virtual machine. The name you choose will be used throughout VirtualBox to identify this machine. Additionally, you can select an ISO image which may be used to install the guest operating system.

Name: osgeolive15.0 ✓

Folder: /home/selv/VirtualBox VMs


ISO Image: <not selected>

Edition:

Type: Linux

Version: Ubuntu 22.04 LTS (Jammy Jellyfish) (64-bit)

☐ Skip Unattended Installation

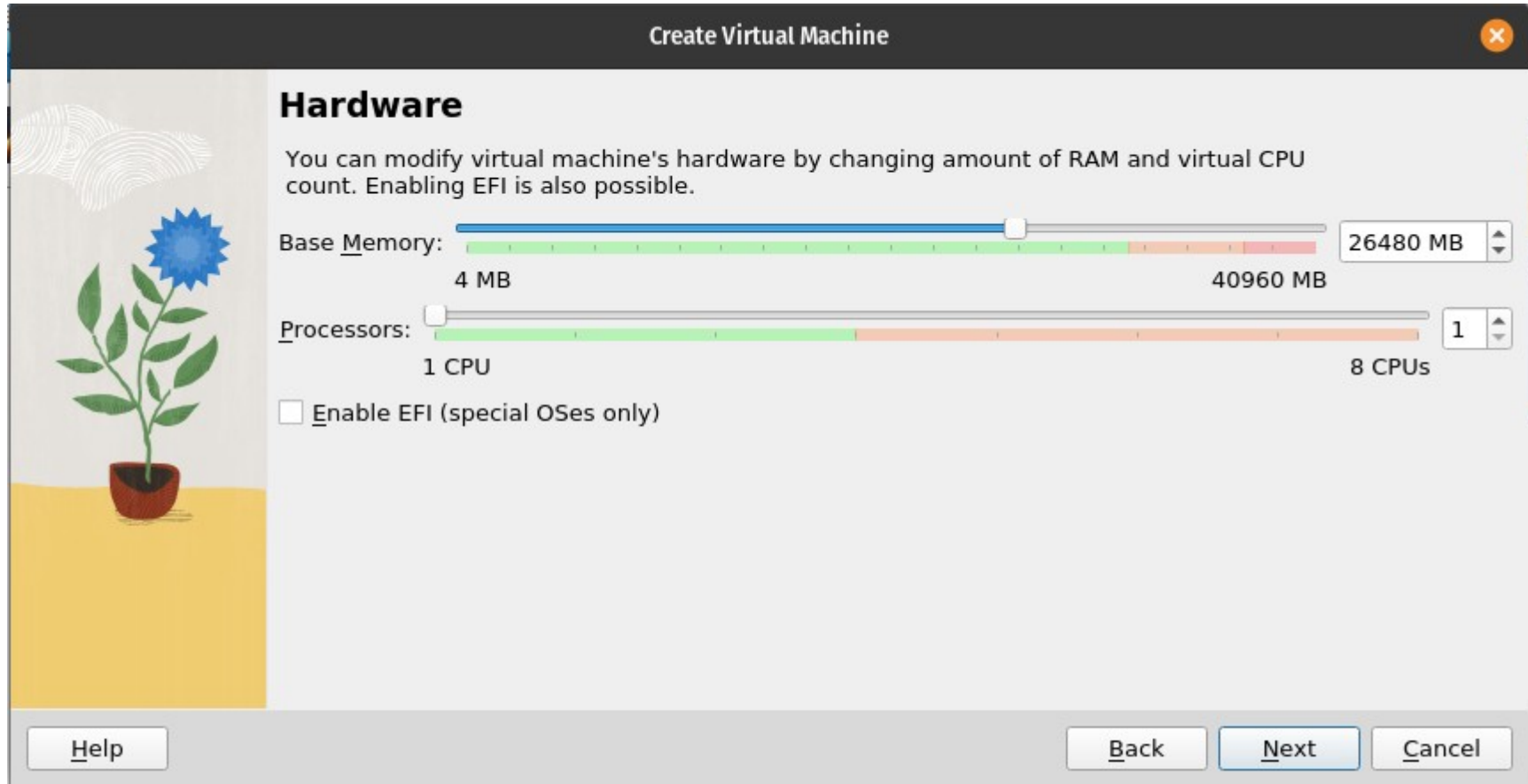
 No ISO image is selected, the guest OS will need to be installed manually.

Help Expert Mode Back Next Cancel

Leave the default path of your OS

Set memory size

Set the memory Size (~2G). The dedicate RAM for the VM can change according to the RAM of your host-pc. Do not overpass the green area!




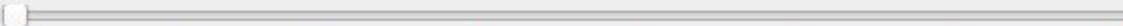
The screenshot shows the 'Create Virtual Machine' window with the 'Hardware' tab selected. On the left is a decorative illustration of a potted plant with a blue flower. The main area contains instructions and sliders for configuring hardware. The 'Base Memory' slider is set to 26480 MB, with a green segment from 4 MB to 40960 MB. The 'Processors' slider is set to 1 CPU, with a green segment from 1 to 8 CPUs. An 'Enable EFI' checkbox is present and unchecked. At the bottom are 'Help', 'Back', 'Next', and 'Cancel' buttons.

Create Virtual Machine

Hardware

You can modify virtual machine's hardware by changing amount of RAM and virtual CPU count. Enabling EFI is also possible.

Base Memory:  26480 MB

Processors:  1

☐ Enable EFI (special OSes only)

[Help](#) [Back](#) [Next](#) [Cancel](#)

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-15.0-amd64.vmdk file. Select the file, press Next and Create.

Create Virtual Machine



Virtual Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select an existing one. Alternatively you can create a virtual machine without a virtual hard disk.

☐ Create a Virtual Hard Disk Now

Disk Size: 25.00

4.00 MB 2.00 TB

☐ Pre-allocate Full Size

☒ Use an Existing Virtual Hard Disk File

osgeolive-15.0-amd64.vmdk (Normal, 50.00 GB)


☐ Do Not Add a Virtual Hard Disk


Help

BackNextCancel

Hard Disk Selector

Medium Selector

 Add

 Refresh


Name	Virtual Size	Actual Size
▼ Attached		
osgeolive-14.0-amd64.vmdk	40.00 GB	26.42 GB
▼ Not Attached		
osgeolive-15.0-amd64.vmdk	50.00 GB	20.36 GB

Search By Name

CancelChoose

Overview




Check if everything is correct



Create Virtual Machine

Summary

The following table summarizes the configuration you have chosen for the new virtual machine. When you are happy with the configuration press Finish to create the virtual machine. Alternatively you can go back and modify the configuration.

	Machine Name and OS Type	
	Machine Name	osgeolive-15.0
	Machine Folder	/home/selv/VirtualBox VMs/osgeolive-15.0
	ISO Image	
	Guest OS Type	Ubuntu 22.04 LTS (Jammy Jellyfish) (64-bit)
	Hardware	
	Base Memory	26480
	Processor(s)	1
	EFI Enable	false
	Disk	
	Attached Disk	/home/selv/VirtualBox VMs/osgeolive-15.0/osgeolive-15.0-amd64.v...

Help

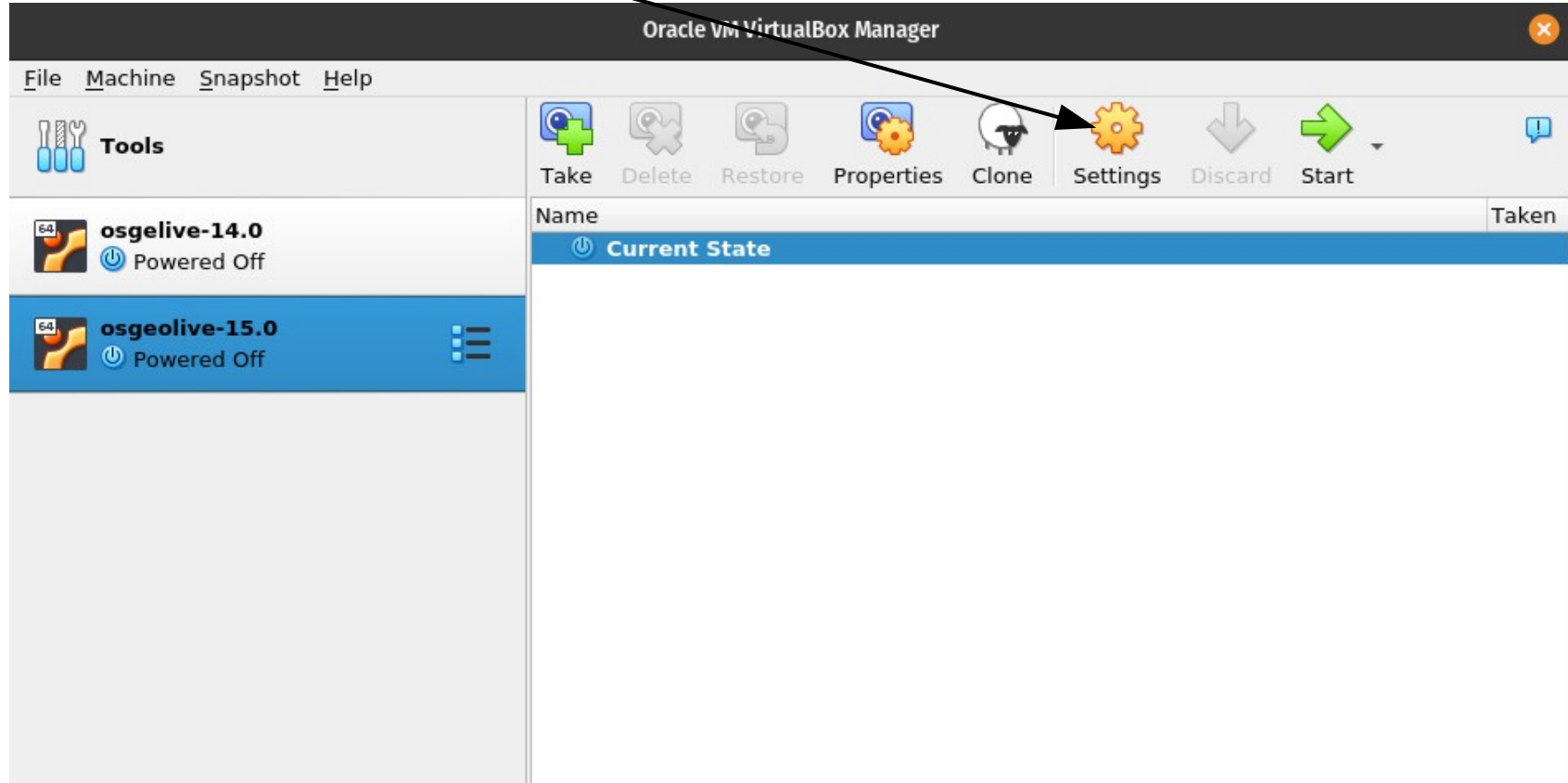
Back

Finish

Cancel

Setup

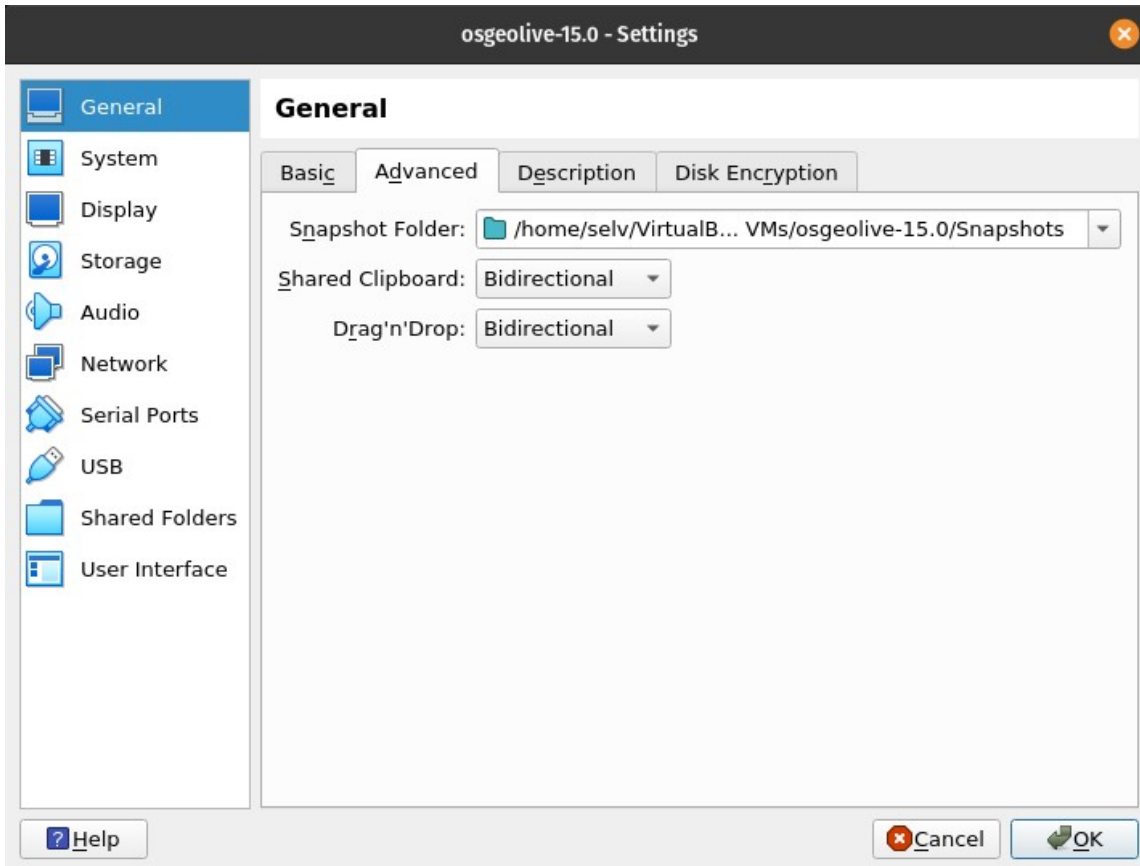
Adjust the settings



Virtual Machine settings

In VirtualBox → setting → General

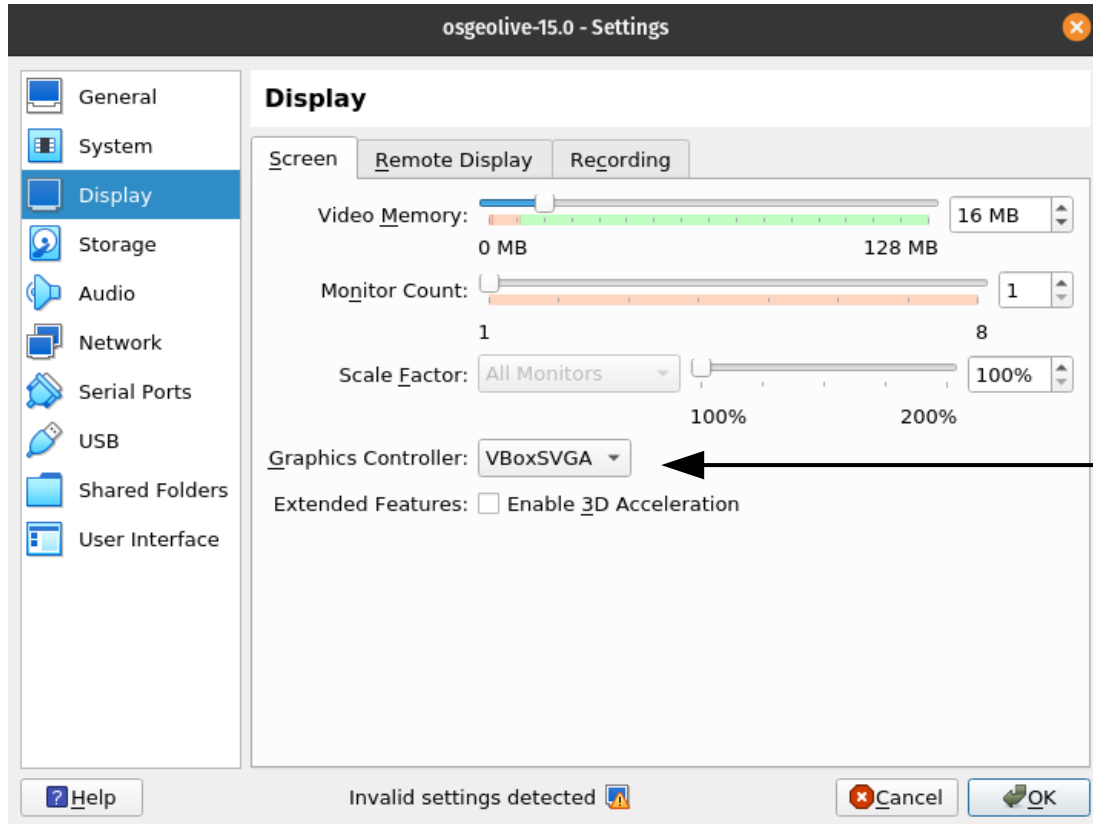
Set Shared Clipboard and Drag and Drop to Bidirectional Optional.
Do not change the Snapshot Folder



Virtual Machine settings

In VirtualBox → setting → General

Set the Graphics Controller to allow “Auto-resize Guest Display”



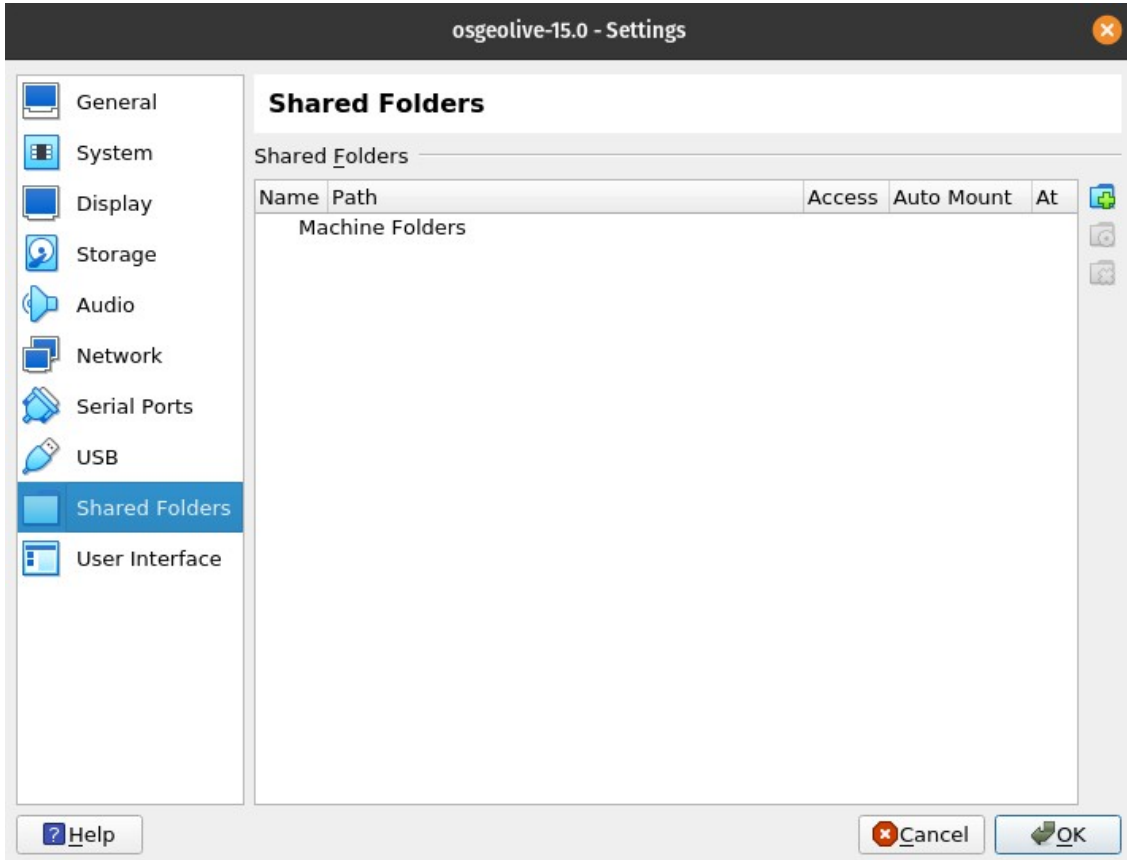
Sharing folder

Create an empty folder named LVM_shared in your OS

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

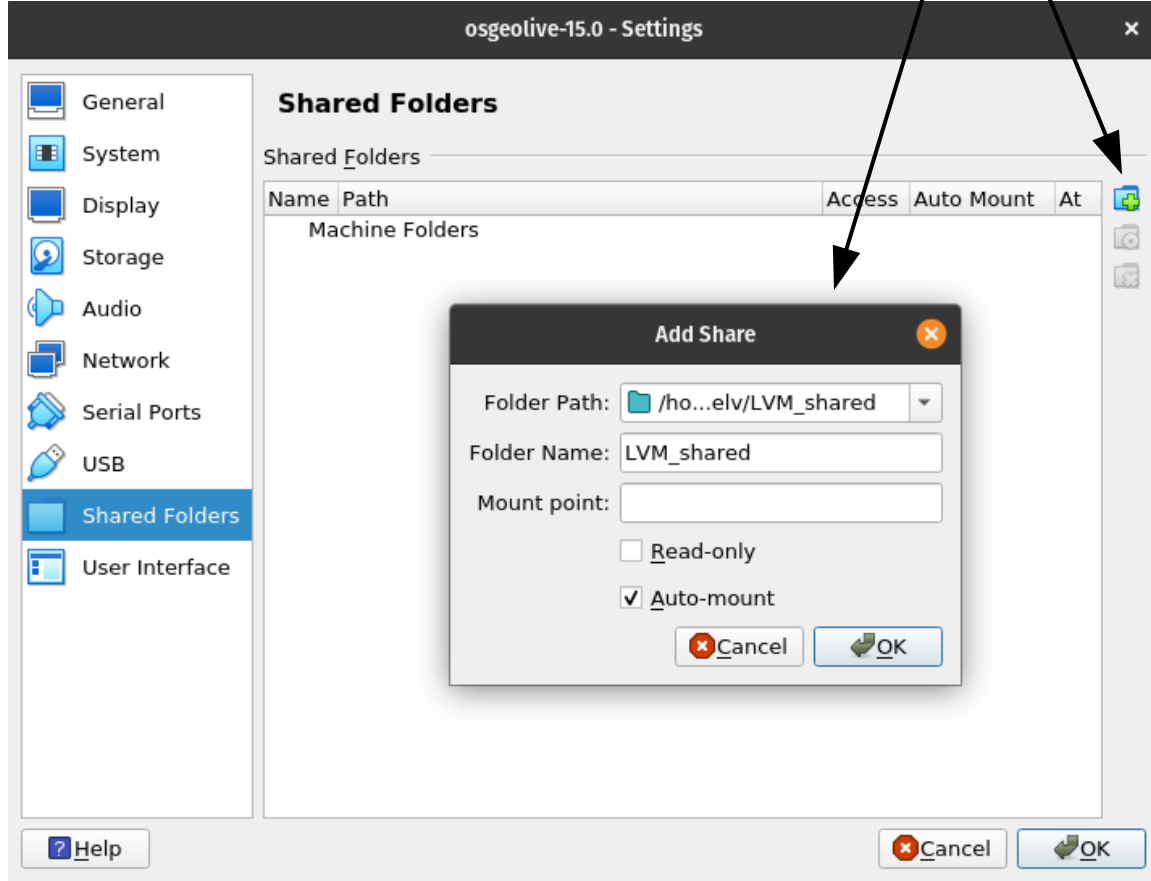
Windows OS: `C:\Users\yourname\Documents\LVM_shared`

Linux: `/home/yourname/LVM_shared`



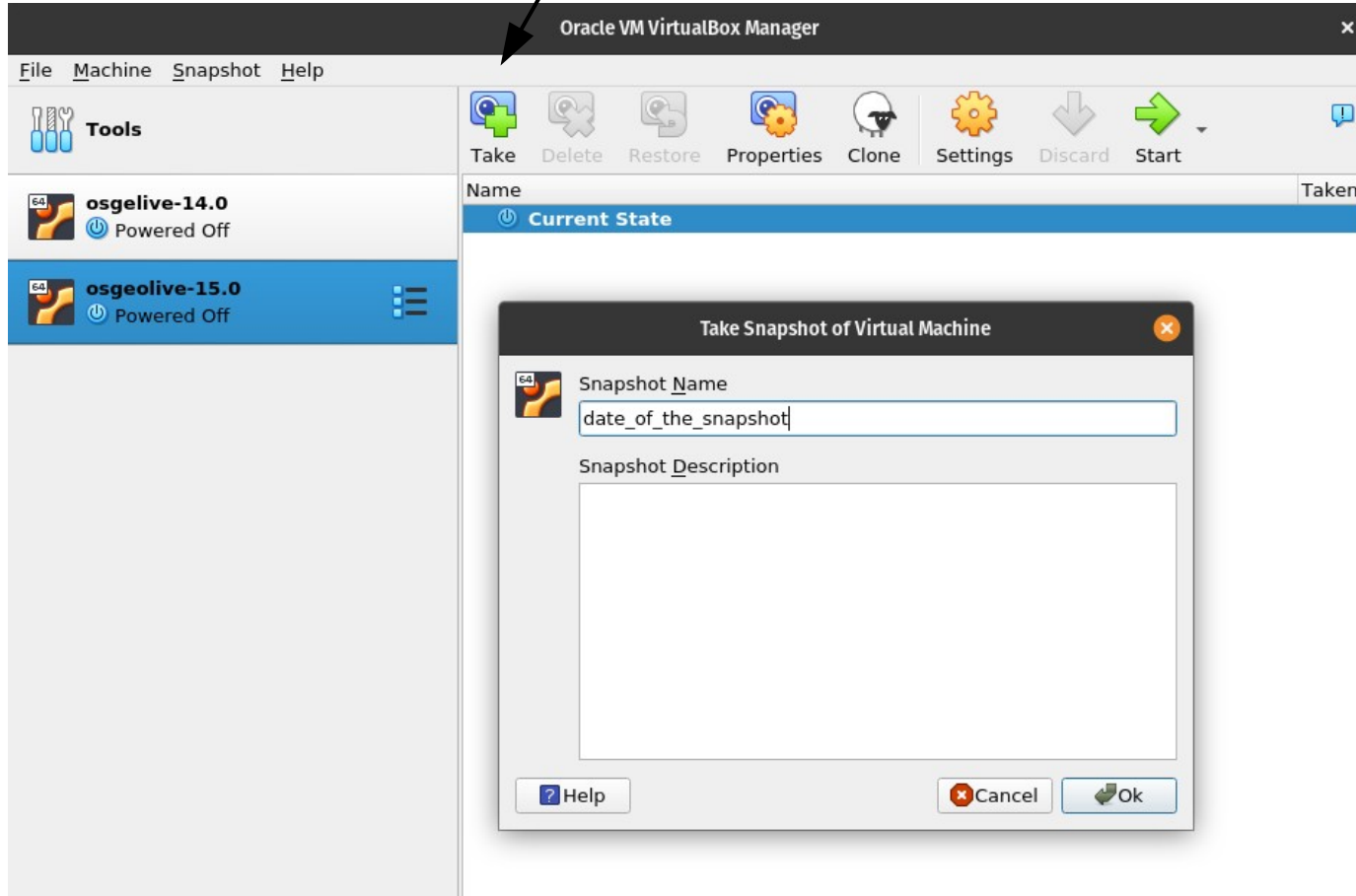
Sharing folder

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

