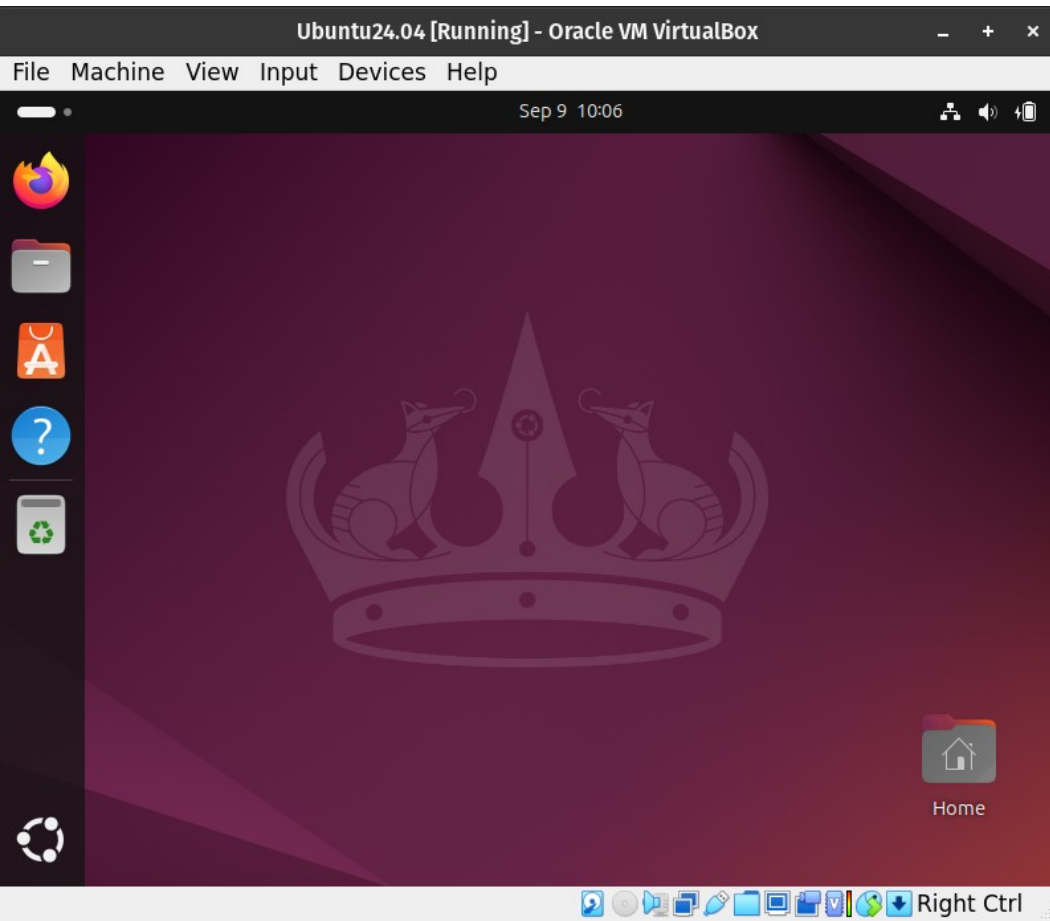


Ubuntu 24.04 LTS for the Spatial Ecology courses

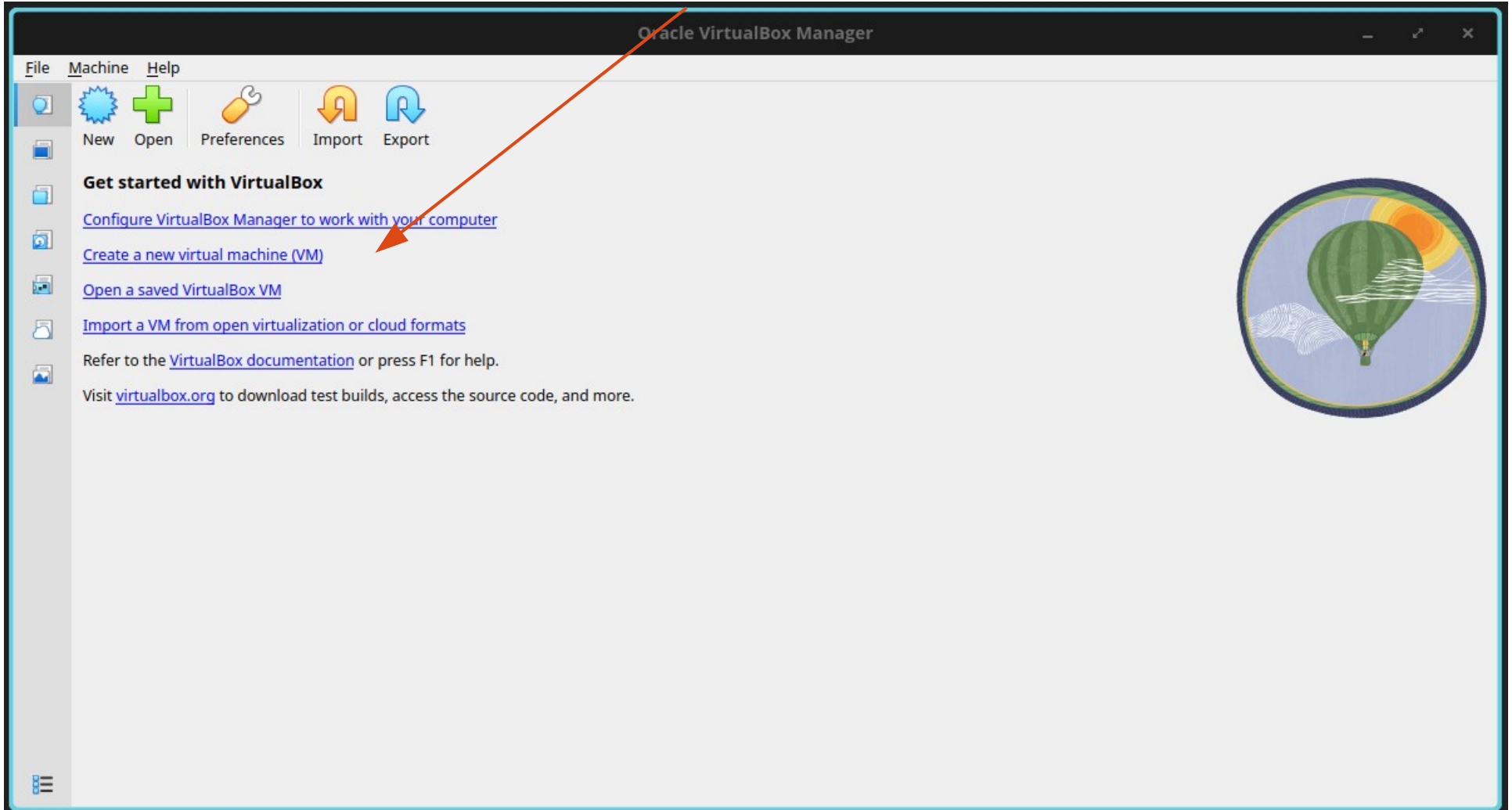


Mastering several
Open Source software
in a Linux OS



VirtualBox

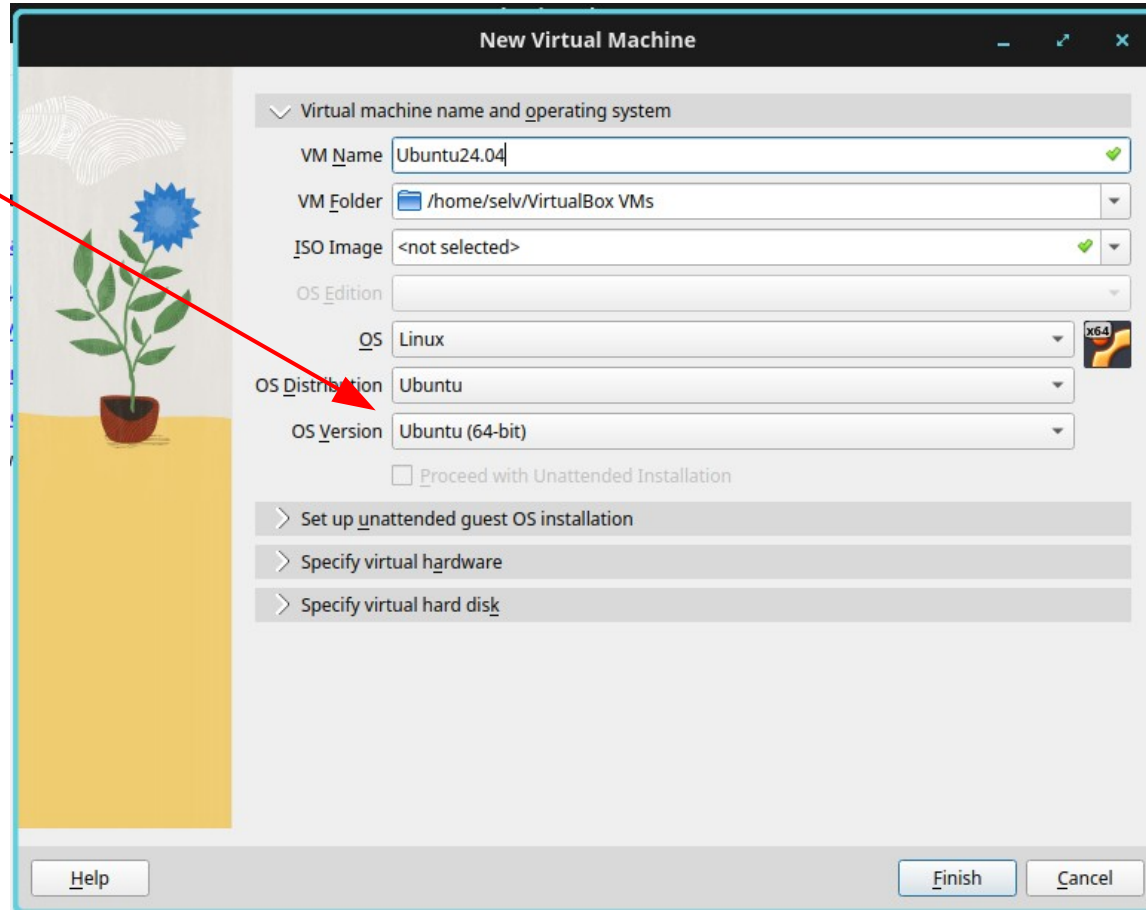
Start the VirtualBox application and click on the New button to create a new VM, and then Next.



Create Virtual Machine

Enter a name such as Ubuntu24.04, 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>)



New Virtual Machine

Virtual machine name and operating system

VM Name: Ubuntu24.04

VM Folder: /home/selv/VirtualBox VMs

ISO Image: <not selected>

OS Edition: Linux

OS Distribution: Ubuntu

OS Version: Ubuntu (64-bit)

☐ Proceed with Unattended Installation

> Set up unattended guest OS installation

> Specify virtual hardware

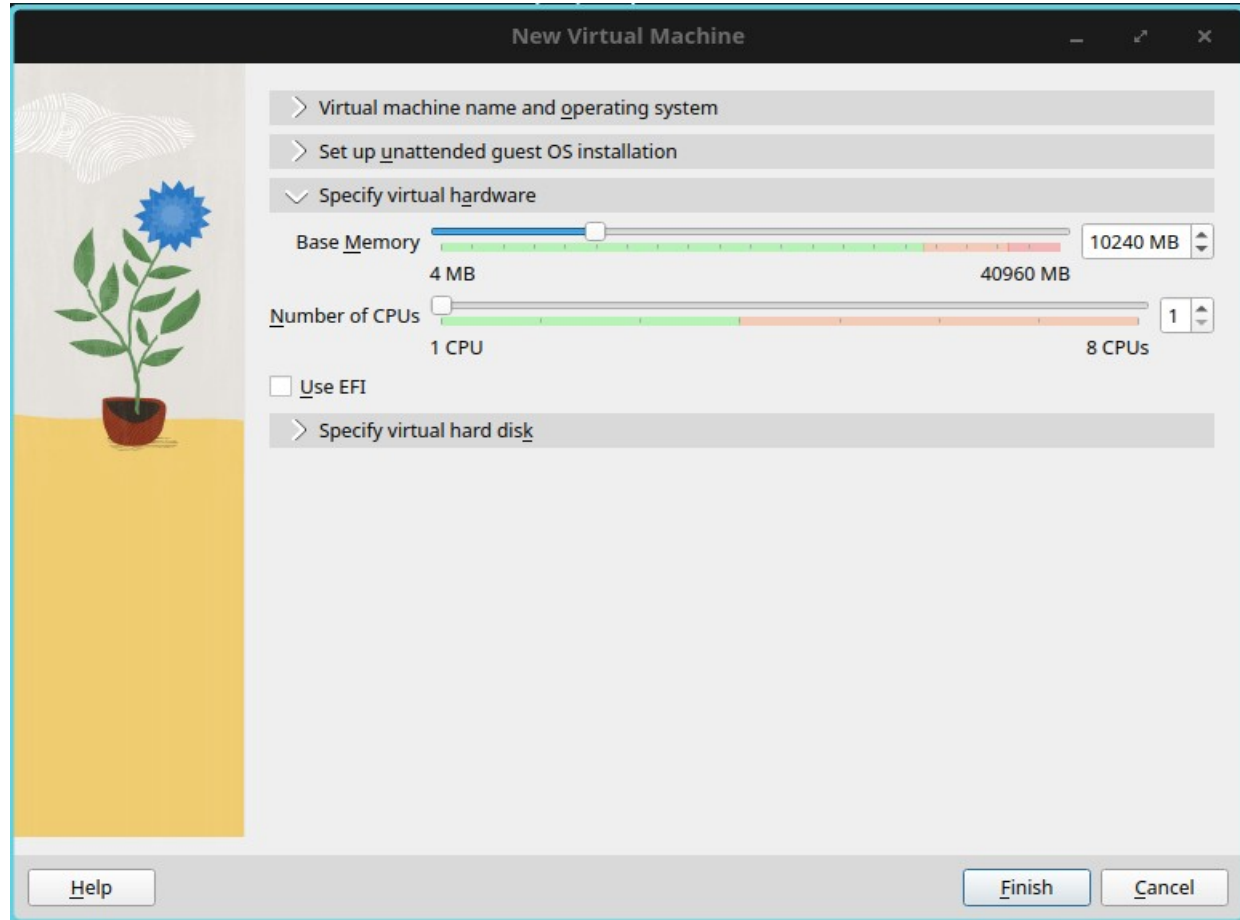
> Specify virtual hard disk

Help Finish Cancel

Leave the default path of your OS

Set memory size

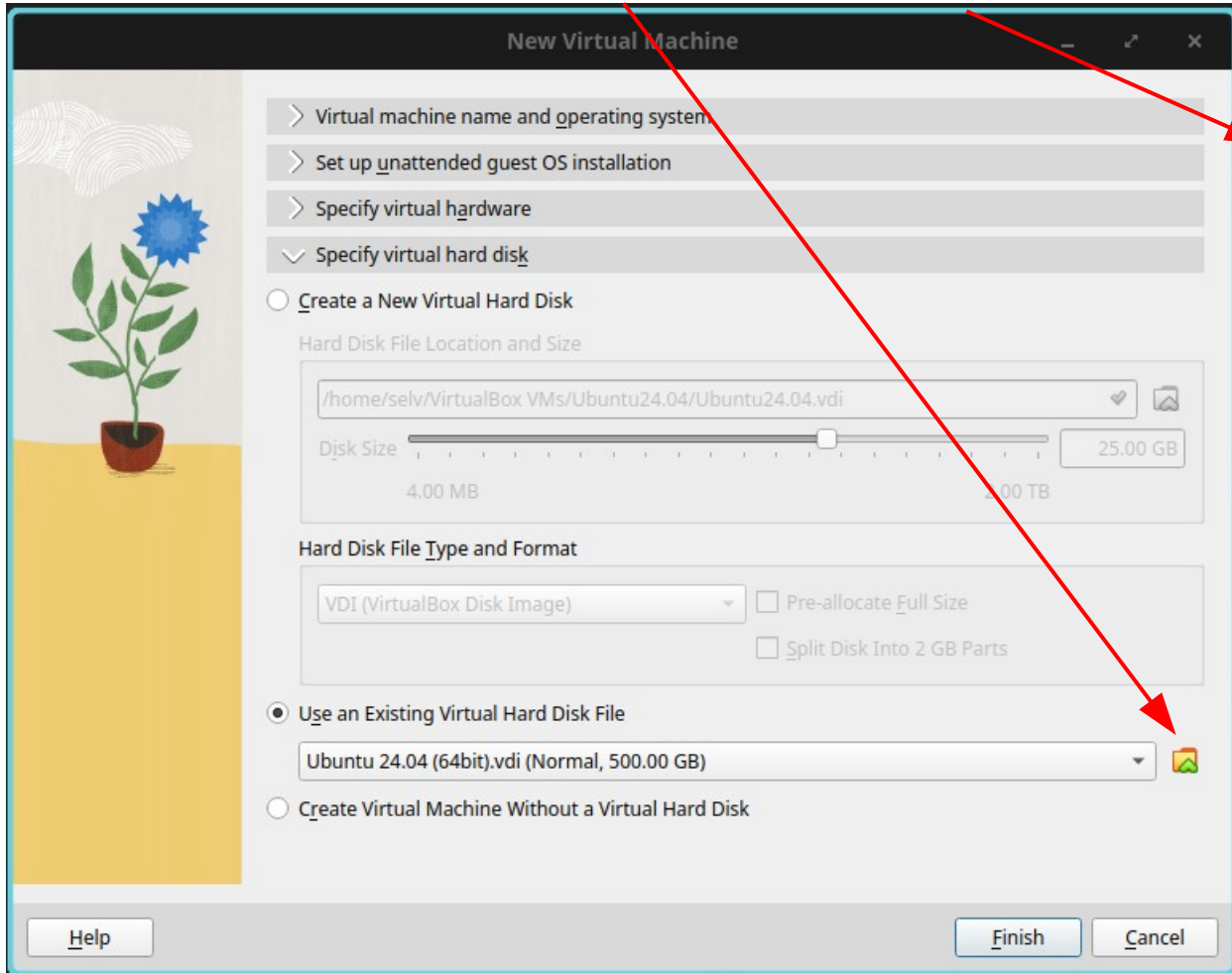
Set the memory Size (4-6G). The dedicate RAM for the VM can change according to the RAM of your host-pc. Do not overpass the green area! Increase the processors (2CPUs) only if your VM is too slow. Remember you can change these options only when the VM has been shout-down.



Load the vdi file

Choose “Use existing virtual hard disk file”.

Now click on the button (a folder yellow icon) to browse to where you saved the Ubuntu 24.04 (64bit) file.



New Virtual Machine

- > Virtual machine name and operating system
- > Set up unattended guest OS installation
- > Specify virtual hardware
- ✓ Specify virtual hard disk

☐ Create a New Virtual Hard Disk

Hard Disk File Location and Size

/home/selv/VirtualBox VMs/Ubuntu24.04/Ubuntu24.04.vdi

Disk Size: 25.00 GB

Hard Disk File Type and Format

VDI (VirtualBox Disk Image)

☐ Pre-allocate Full Size

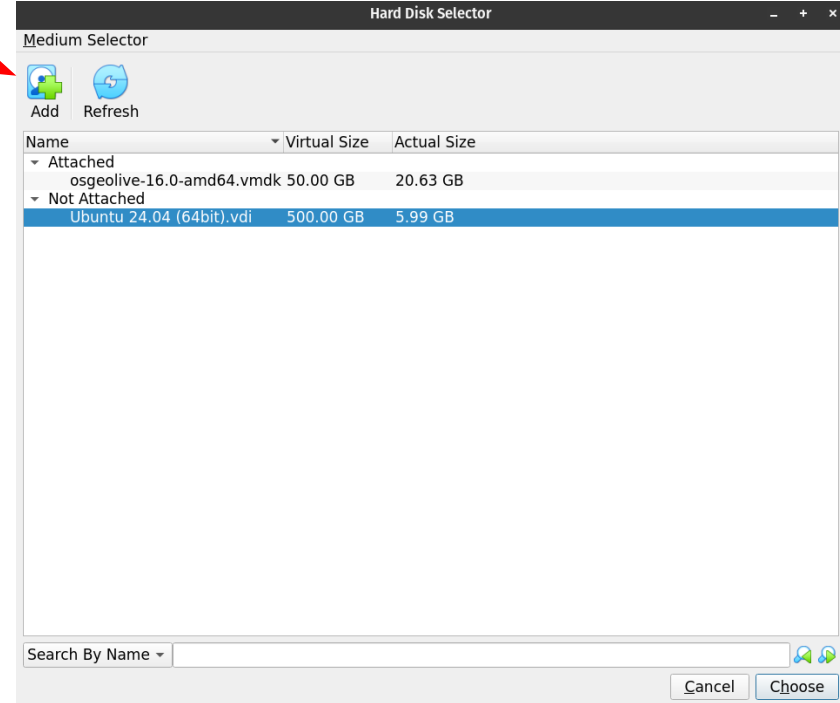
☐ Split Disk Into 2 GB Parts

☒ Use an Existing Virtual Hard Disk File

Ubuntu 24.04 (64bit).vdi (Normal, 500.00 GB)

☐ Create Virtual Machine Without a Virtual Hard Disk

Help Finish Cancel



Hard Disk Selector

Medium Selector

Add Refresh

| Name | Virtual Size | Actual Size |
|---------------------------|--------------|-------------|
| Attached | | |
| osgeolive-16.0-amd64.vmdk | 50.00 GB | 20.63 GB |
| Not Attached | | |
| Ubuntu 24.04 (64bit).vdi | 500.00 GB | 5.99 GB |

Search By Name

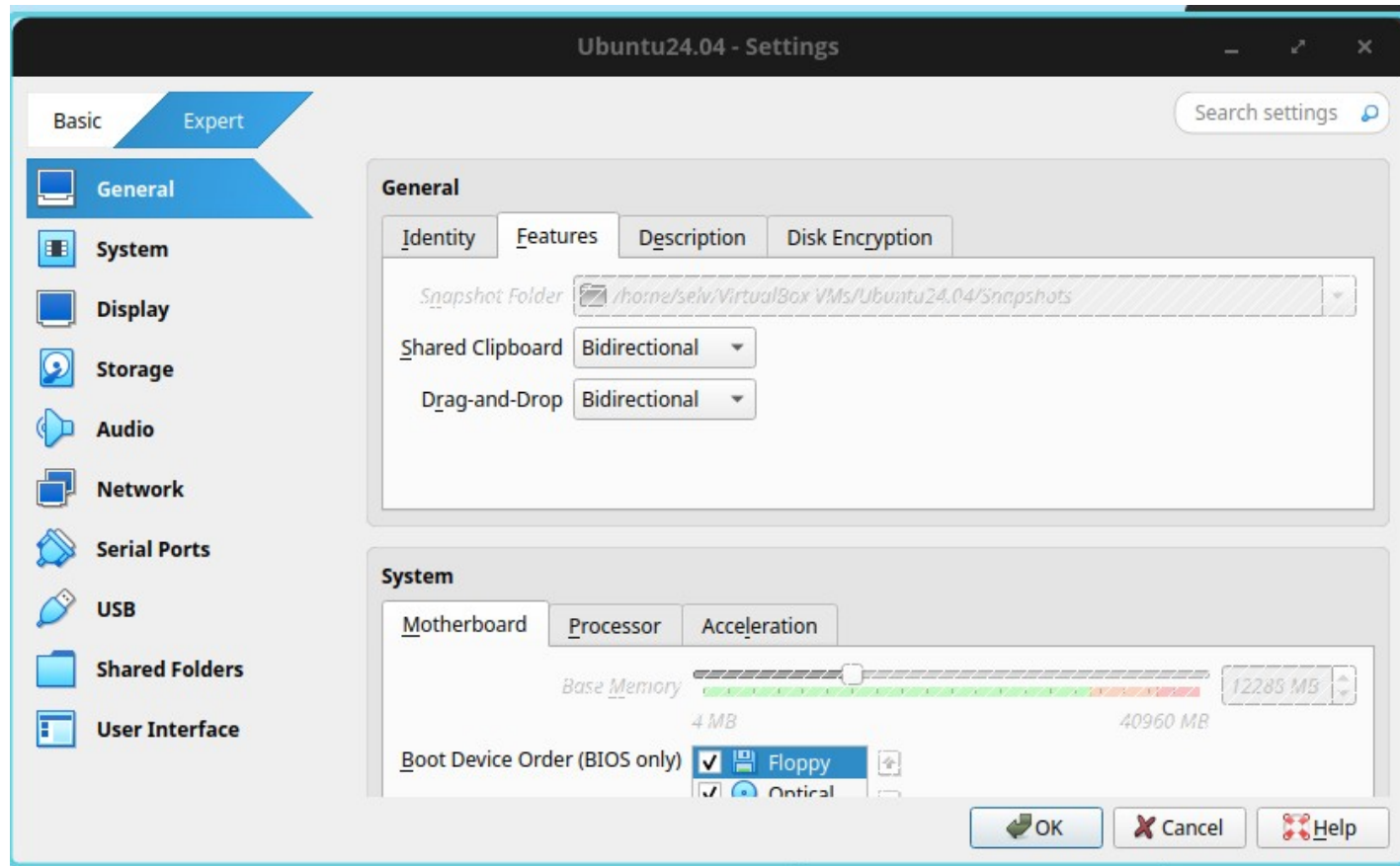
Cancel Choose

Virtual Machine settings

In VirtualBox → setting → General

Set Shared Clipboard and Drag and Drop to Bidirectional Optional.

Do not change the Snapshot Folder

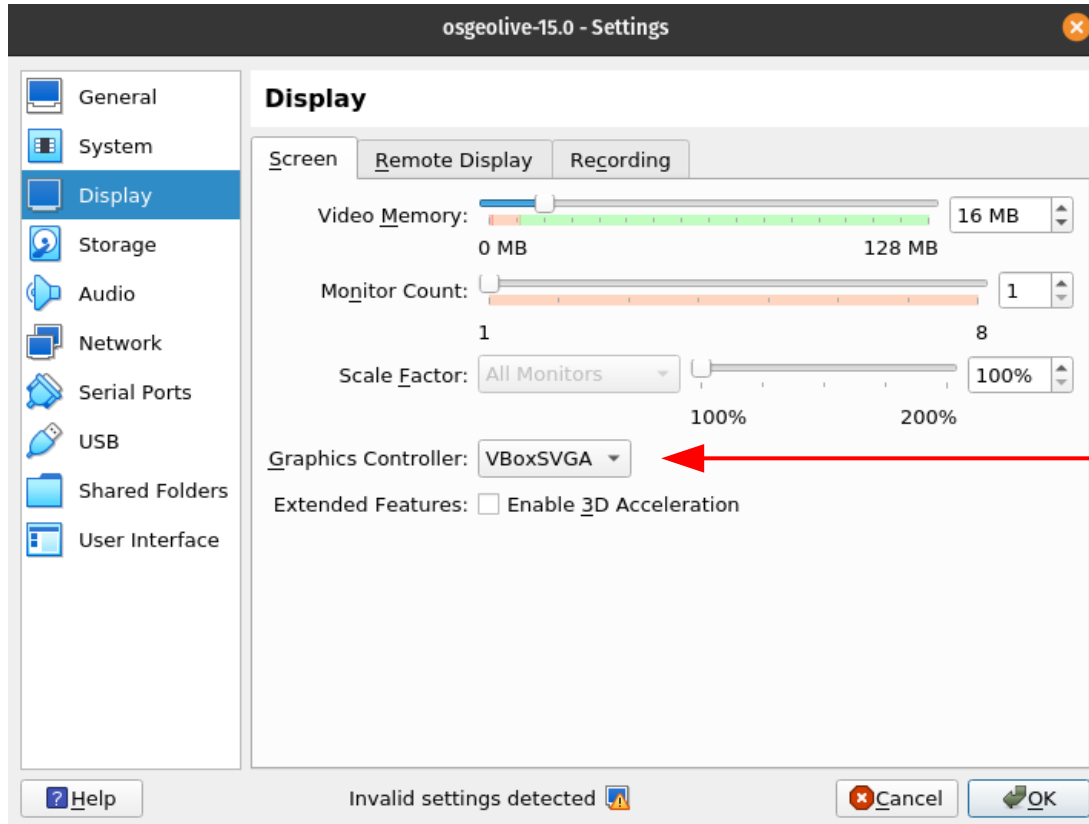


Virtual Machine settings

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

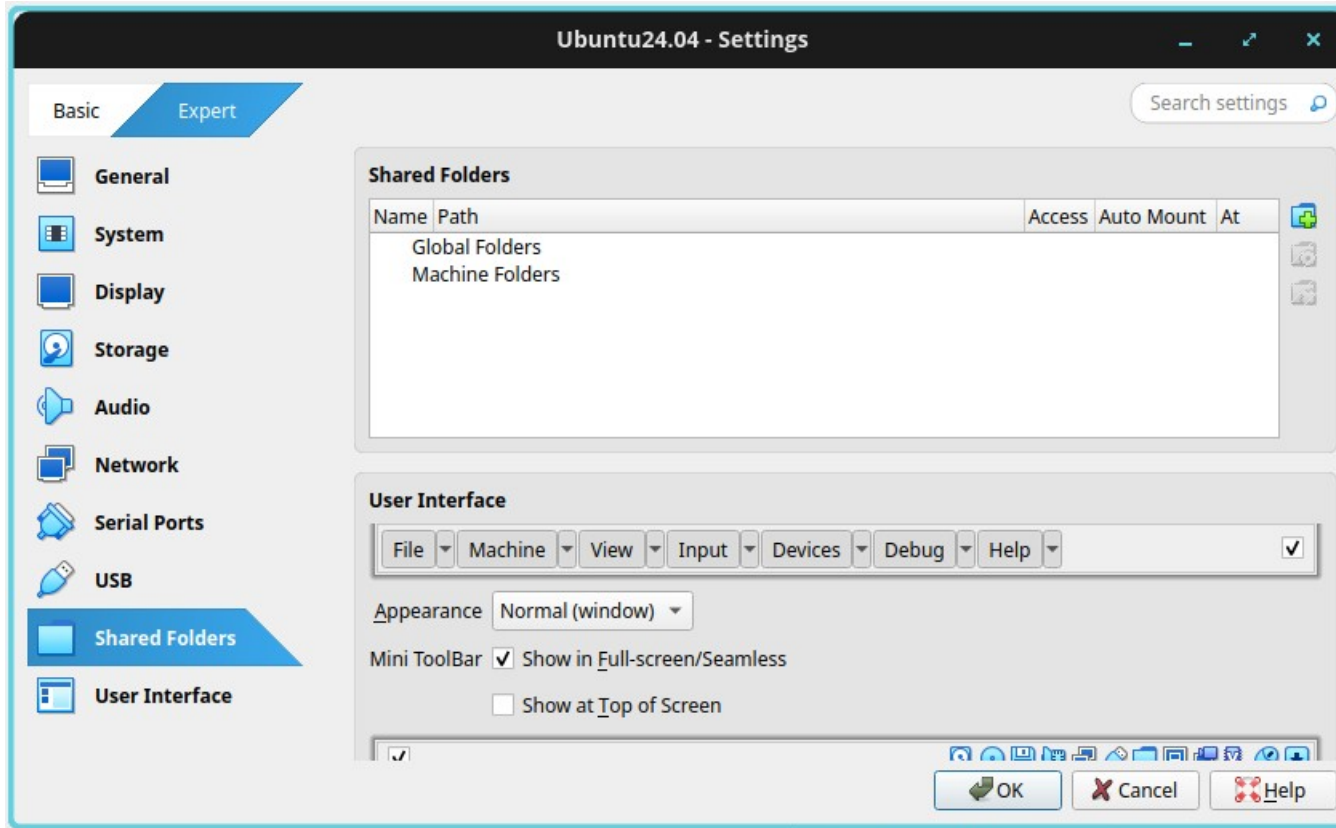
Sharing folder

Create an empty folder named LVM_shared in your OS

MAC OS X: /Users/yourname/LVM_shared

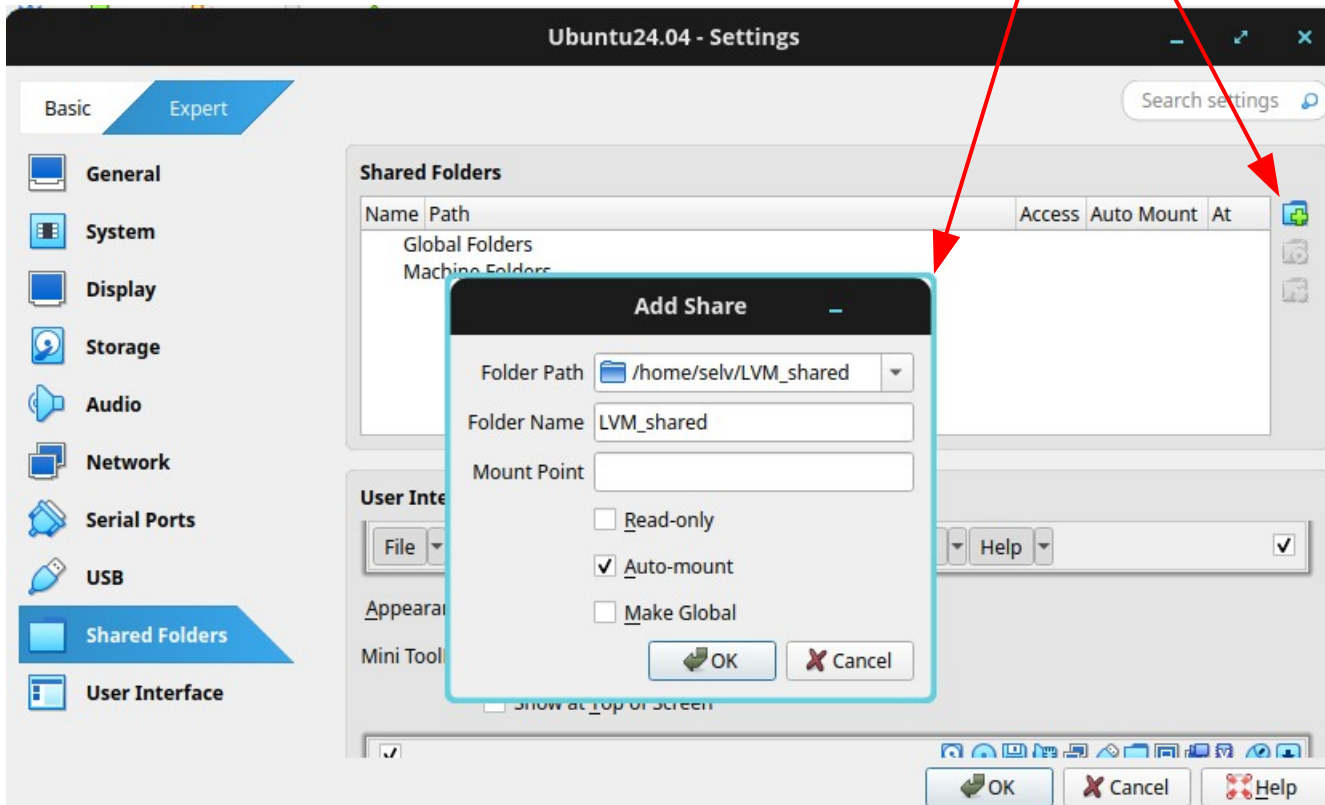
Windows OS: C:\Users\yourname\Documents\LVM_shared

Linux: /home/yourname/LVM_shared



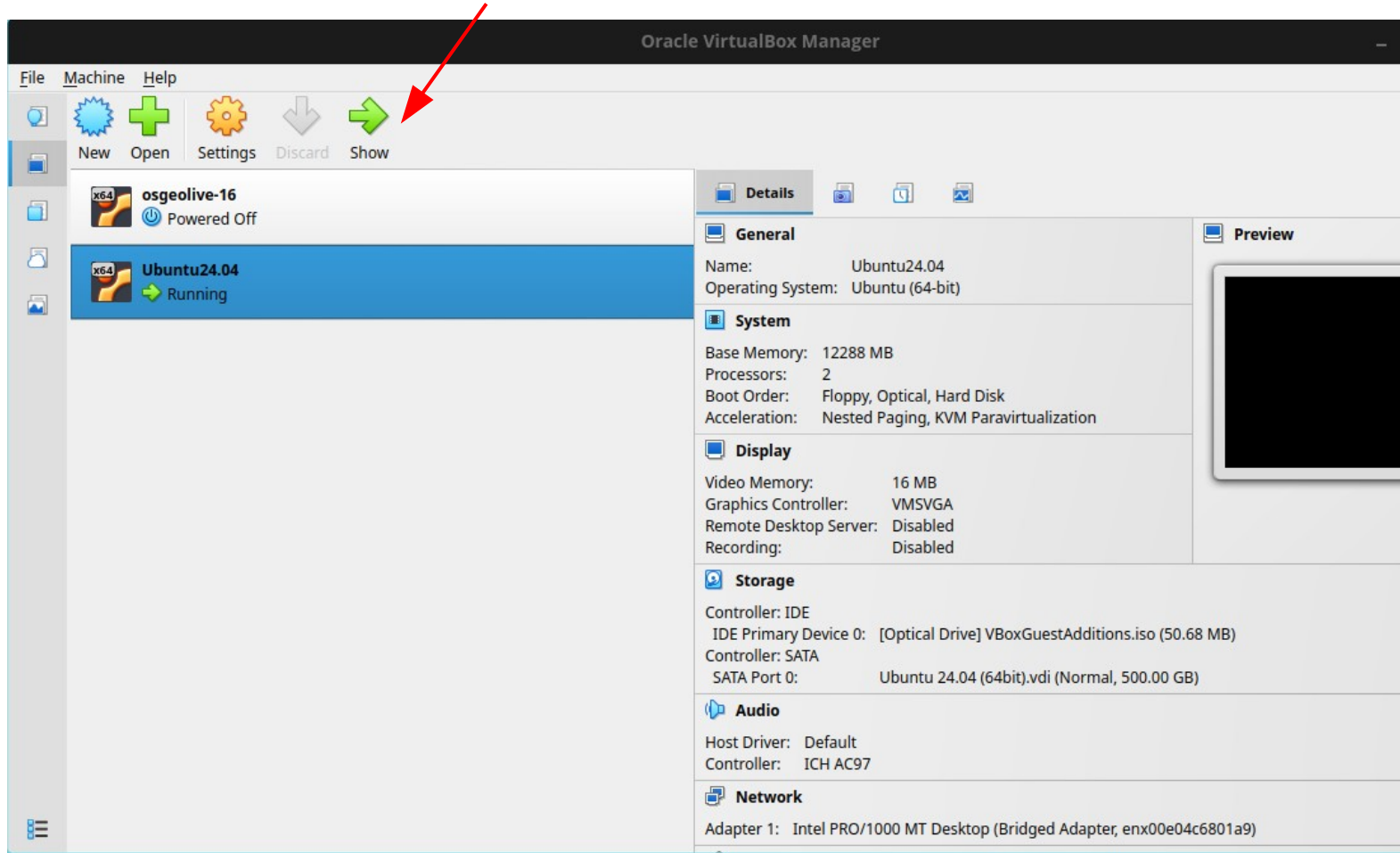
Sharing folder

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

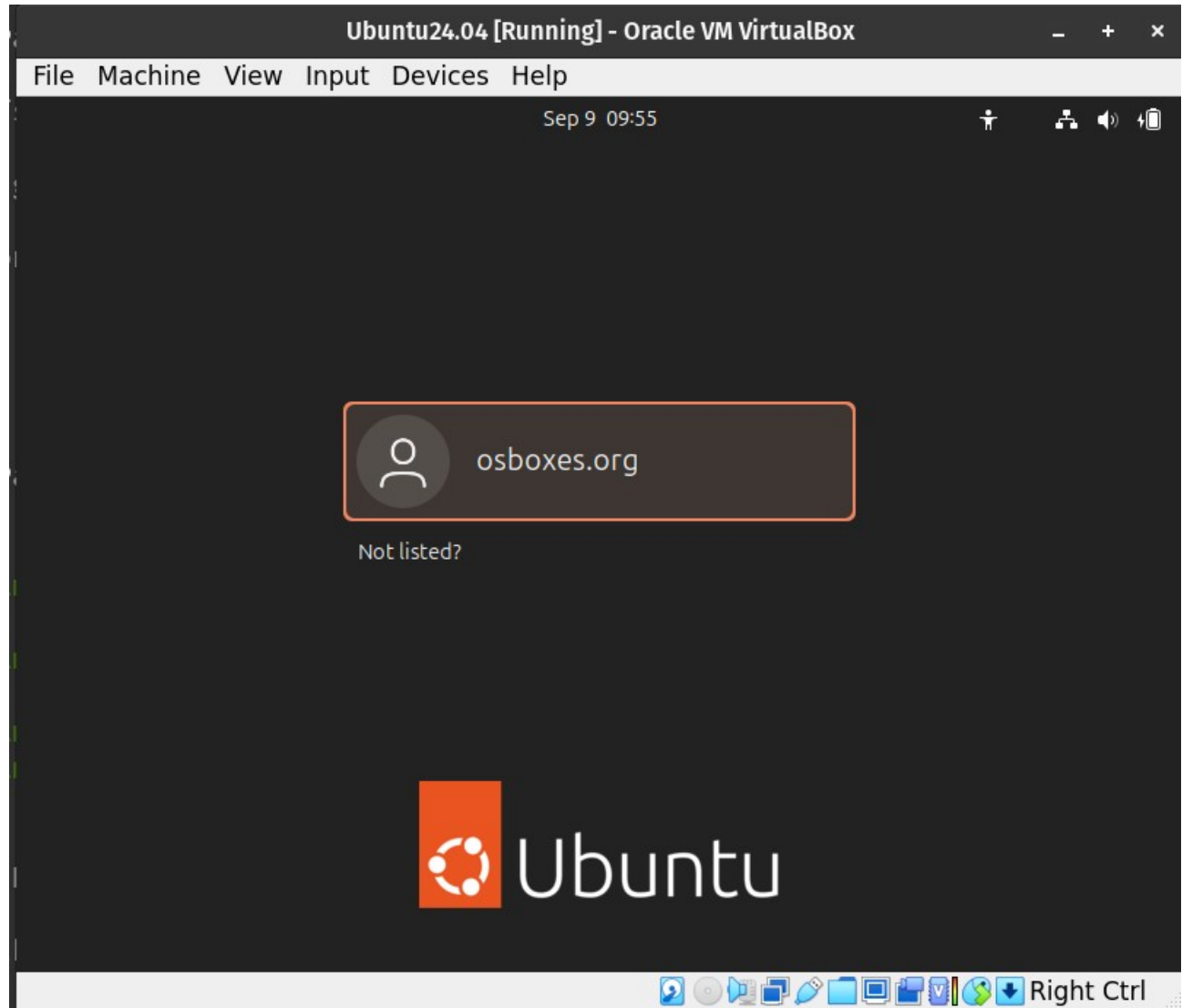


Start the Virtual Machine

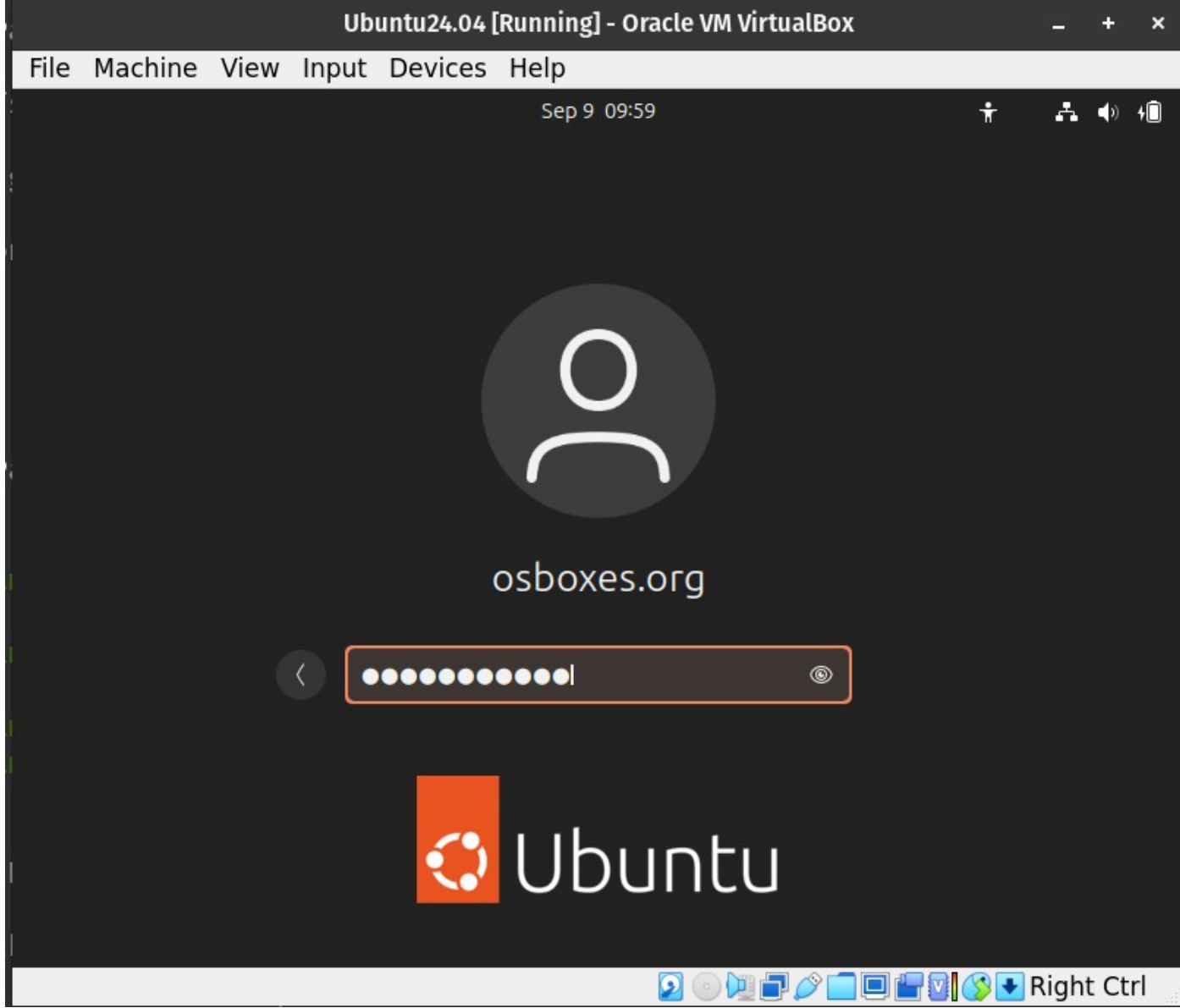
At this point you can press the start arrow to boot the Linux Virtual Machine



Select osboxes.org
Then press enter



The OS password is:
osboxes.org
Then press enter



At the end of the installation a welcome message will appear.
Press next and select the following options.

Enable Ubuntu Pro now, or skip this step.

☐ Enable Ubuntu Pro

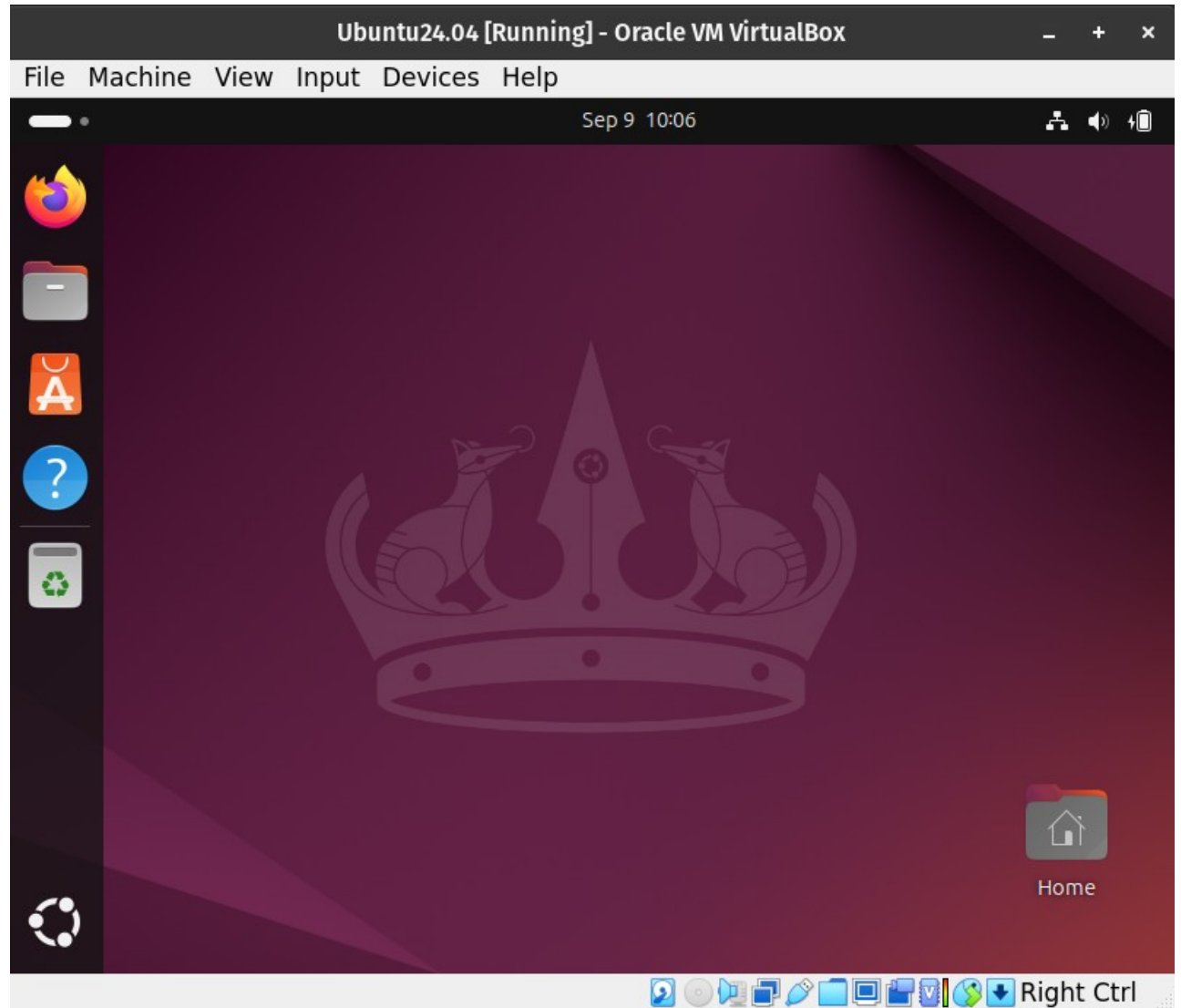
☒ Skip for now

You can always enable Ubuntu Pro later via the Software & Updates application

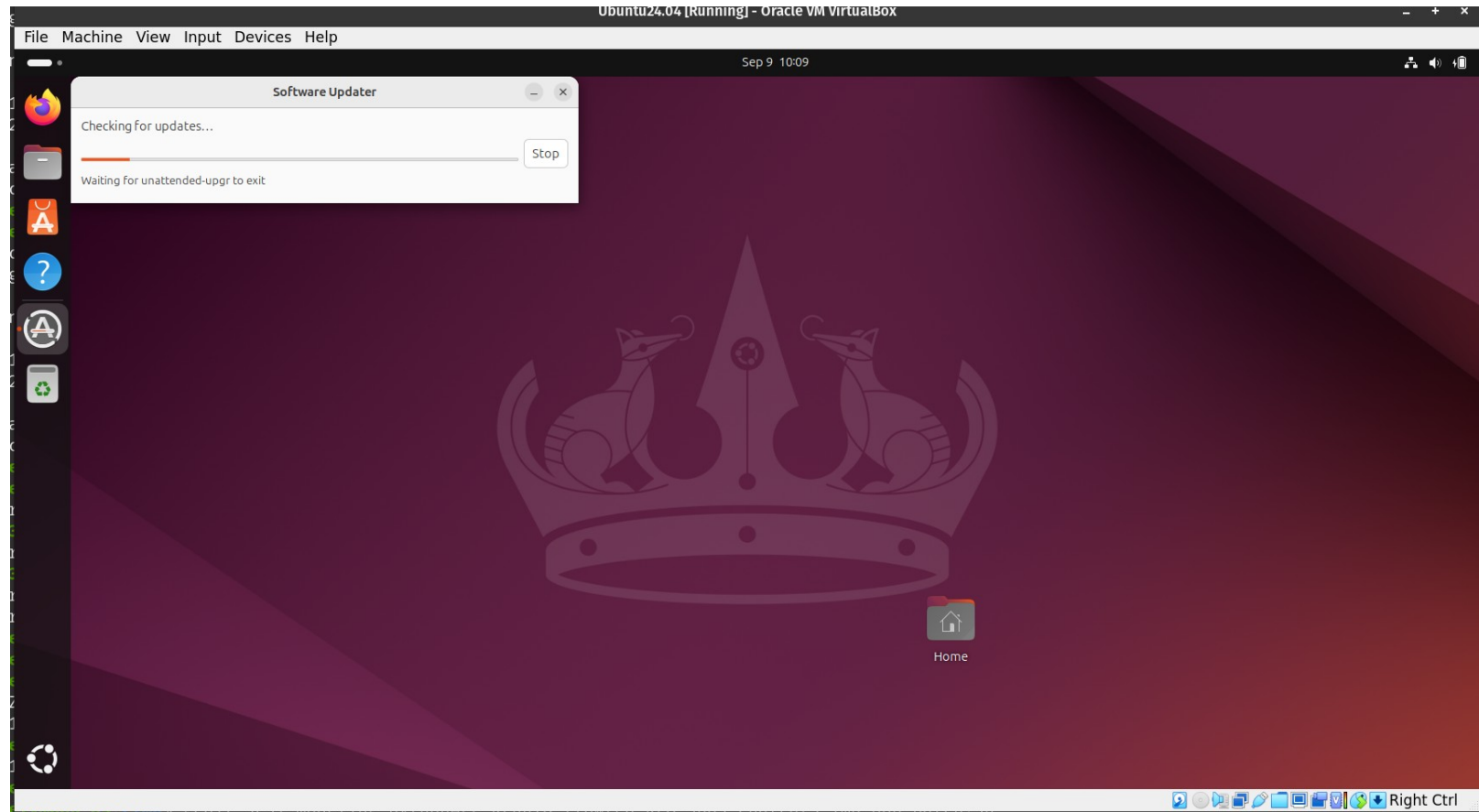
☐ Yes, share system data with the Ubuntu team

☒ No, don't share system data

Final view.
Adjust the screen size



At this point the Ubuntu 24.04 LTS VM has been properly installed.
An update will start automatically. This operation will take 30 min so be patient.



Always shutdown the
VM clicking:
Spiral Icon > type power
> Press Power of

