

Installed ROS to Linux

تحميل روز على نظام لينكس

There are more than one kind of Linux OS:

هناك انواع مختلفة لأنظمة التشغيل التابعة للينكس:

- Ubuntu
- Manjaro Linux
- Kali Linux
- Parrot OS
- Arch Linux

In this project I'll download in Ubuntu

في هذا المشروع سوف احمله على نظام اوبينتو:

First: download virtual machine

أولاً: يجب تحميل

You can install in this link:

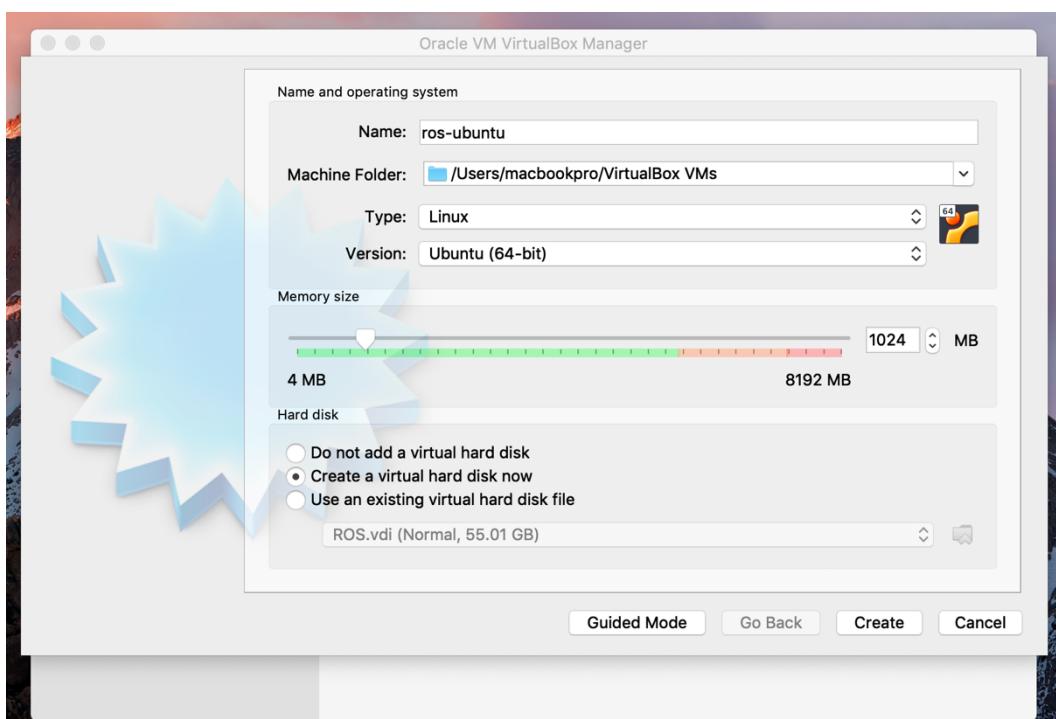
يمكنك تحميله عن طريق هذا الرابط:

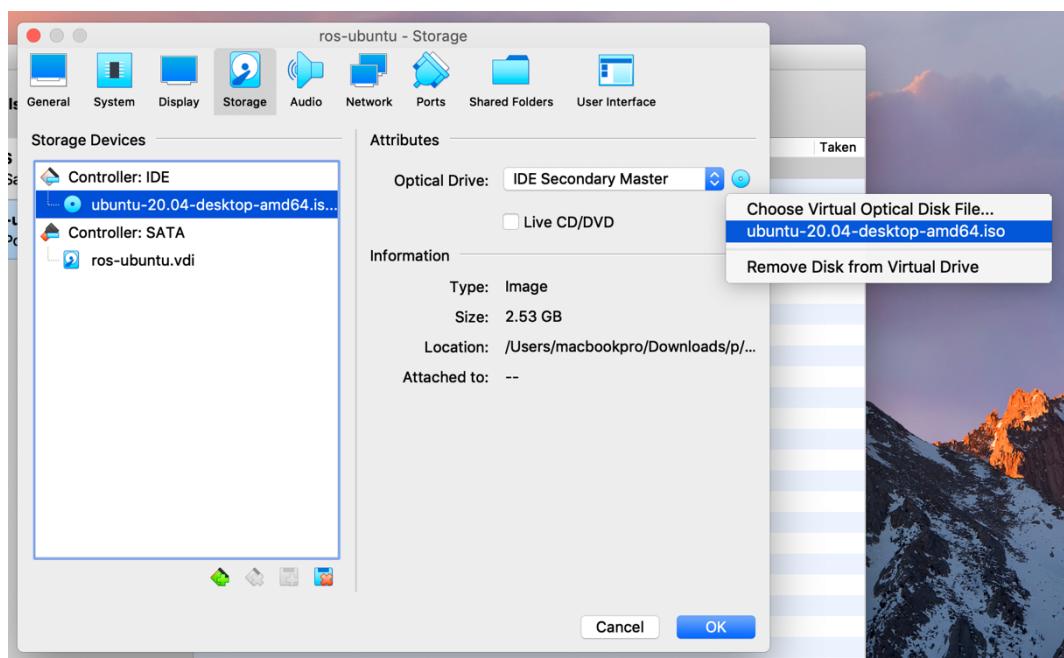
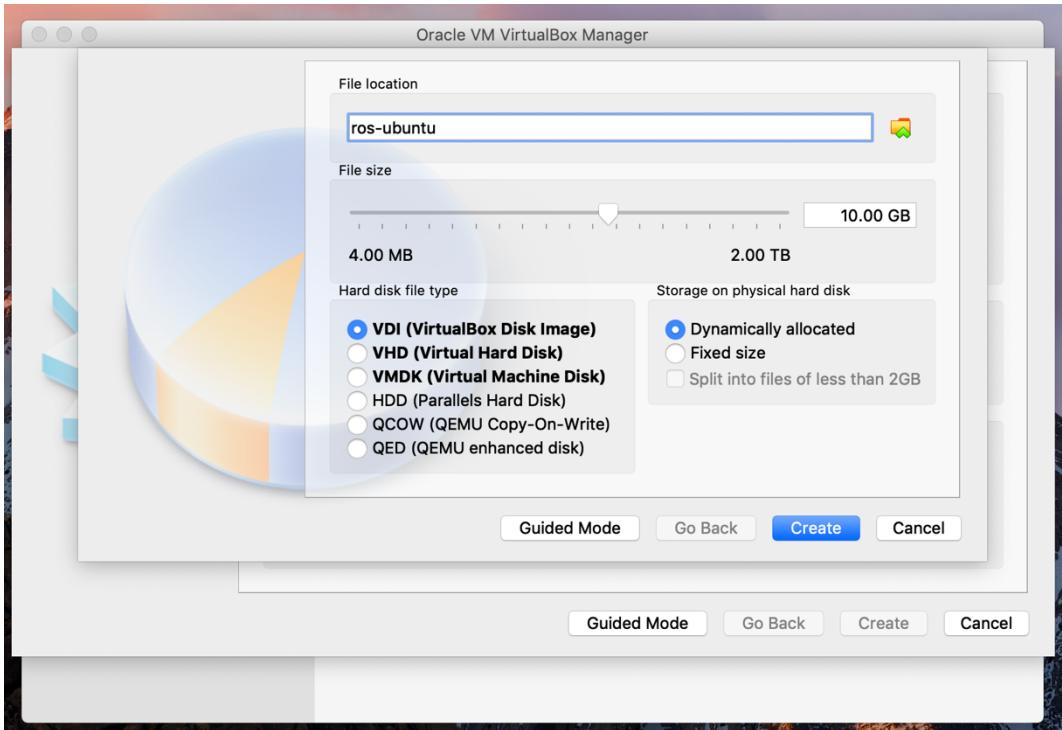
<https://www.virtualbox.org/wiki/Downloads>

second: let's download ubuntu Linux

ثانياً: لنقم بتحميل نظام اوبينتو:

<https://ubuntu.com/download/desktop>





Third: To install the ROS open the terminal and write this command
ثالثاً: افتح terminal وقم بكتابه هذا الامر:

```
wget -c
https://raw.githubusercontent.com/qboticslabs/ros_install_noetic/master/ros_install_noetic.sh && chmod +x ./ros_install_noetic.sh && ./ros_install_noetic.sh
```

ROS [Running] ١٩ يونيو ٢٠٢٣ ١٨:٥٩

```

Activities Terminal ros-user@rosuser-VirtualBox: ~
ros-user@rosuser-VirtualBox:~$ wget -c https://raw.githubusercontent.com/qboticslabs/ros_install_noetic/master/ros_install_noetic.sh && chmod +x ./ros_install_noetic.sh && ./ros_install_noetic.sh
--2020-06-19 18:04:09-- https://raw.githubusercontent.com/qboticslabs/ros_install_noetic/master/ros_install_noetic.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.112.133
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.112.133|:443... connected.
HTTP request sent, awaiting response... 416 Range Not Satisfiable
The file is already fully retrieved; nothing to do.

#####
#####>>> {Starting ROS Noetic Installation}
#####>>> {Checking your Ubuntu version}
#####>>> {Your Ubuntu version is: [Ubuntu focal 20.04]}
#####>>> {Ubuntu Focal 20.04 is fully compatible with Ubuntu Focal 20.04}
#####
#####>>> {Step 1: Configure your Ubuntu repositories}
#####

```

Chose the default 1

– الآخر الافتراضي

ROS [Running] ١٩ يونيو ٢٠٢٣ ١٨:٥٩

```

Activities Terminal ros-user@rosuser-VirtualBox: ~
[1. Desktop-Full Install: (Recommended) : Everything in Desktop plus 2D/3D simulators and 2D/3D perception packages ]
[2. Desktop Install: Everything in ROS-Base plus tools like rqt and rviz]
[3. ROS-Base: (Bare Bones) ROS packaging, build, and communication libraries. No GUI tools.]
Enter your install (Default is 1):1
#####

```

انتظر حتى ينتهي من العمليات –

و اخيرا اكتب هذا الأمر -

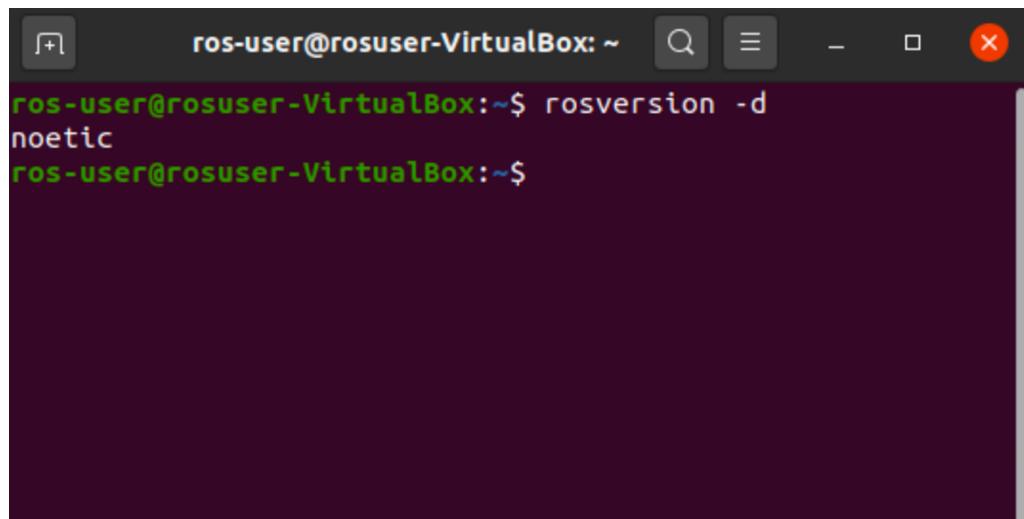
```
echo "source /opt/ros/noetic/setup.bash" >> ~/.bashrc source ~/.bashrc
```

ثم اكتب هذا للتحقق من ان عملية التثبيت صحية

```
rosversion -d
```

and you'll get “noetic”

و سف تظهر كلمة "noetic"



A screenshot of a terminal window titled "ros-user@rosuser-VirtualBox: ~". The window contains the following text:

```
ros-user@rosuser-VirtualBox:~$ rosversion -d
noetic
ros-user@rosuser-VirtualBox:~$
```