Task 1: Steps to install Ros1 and Ros1 version

1- Download VirtualBox

VirtualBox download link:

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

2- Download ubuntu20.04

ubuntu20.04 download link:

https://releases.ubuntu.com/20.04/

- 3- Then go to the VirtualBox program and click on new, type a name for the device, and then click on next
- 4- Choose the space, then next, after that a new device will be created
- 5- Click on start, then choose the file in which the ubuntu copy is stored
- 6- Then choose install ubuntu, then press next, then choose the language, then the region, then enter the name and code, and ubuntu will be installed
- 7- How to install Ros1:

Run Terminal and type the following commands:

Command Prompt Link:

http://wiki.ros.org/Installation/Ubuntu

Commands:

sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu
\$(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'

sudo apt install curl # if you haven't already installed curl curl -s
https://raw.githubusercontent.com/ros/rosdistro/master/ros.a
sc | sudo apt-key add -

sudo apt update

sudo apt install ros-noetic-desktop-full

sudo apt install ros-noetic-PACKAGE

sudo apt install ros-noetic-slam-gmapping

apt search ros-noetic

source /opt/ros/noetic/setup.bash

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

echo "source /opt/ros/noetic/setup.zsh" >> ~/.zshrc source ~/.zshrc sudo apt install python3-rosdep python3-rosinstall python3-rosinstall-generator python3-wstool build-essential

sudo apt install python3-rosdep

sudo rosdep init

rosdep update

Ros version:

Rosverstion:1.14.3

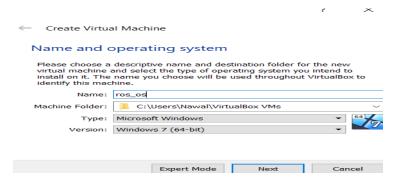
1-Download VirtualBox:



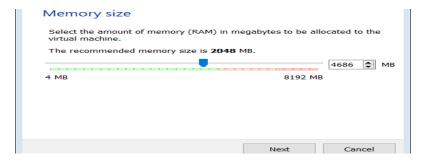
2-Download ubuntu20.04:



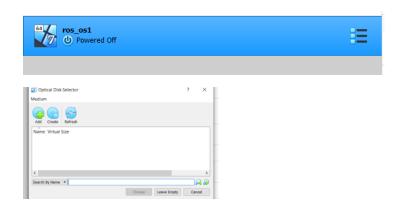
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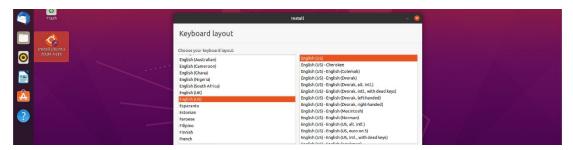
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Click on start and then choose the file in which the ubuntu copy is stored



Then choose install ubuntu, then press next, then choose the language, then the region, then enter the name and code, and ubuntu will be installed



3-How to install Ros1:

