First, we download the emulator: Virtual Box.

Second, we download Ubuntu 20.04.

Third, we install the Ubuntu system on the virtual box.

Fourth, when running the Ubuntu system and we go to Terminal, and we type the commands to install Rose.

Codes:

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

then Enter the Password.

sudo apt install curl # if you haven't already installed curl

* curl -s https://raw.githubusercontent.com/ros/rosdistro/master/ros.asc | sudo apt-key add -
* sudo apt update

sudo apt install ros-noetic-desktop-full

In another Terminal window :

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

Back to first window :

sudo apt install python3-rosdep python3-rosinstall python3-rosinstall-generator python3-wstool build-essential

sudo apt install python3-rosdep

sudo rosdep init

rosdep update

sudo apt install ros-noetic-joint-state-publisher\*

sudo apt install ros-noetic-robot-state-publisher

clear

exit

roscore

Pictures from the installation process of the ROS:

 

 

