

Installing ROS Noetic on last Ubuntu 20.04 OS

After installing Ubuntu 20.04 OS in virtualbox we go now to install the last version of ROS which is Noetic.



- 1- After opening the terminal , we write the code which is shown in the figure below .

```
rayyan@Rayyan: ~$ 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
--2020-06-17 00:55:39-- https://raw.githubusercontent.com/qboticslabs/ros_install_noetic/master/ros_install_noetic.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.36.133
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.36.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 5518 (5.4K) [text/plain]
Saving to: 'ros_install_noetic.sh'

ros_install_noetic.sh 100K[=====] 5.39K --
```

- 2- We wait some times until it reaches this status, then we press No. 1 then press enter and we wait till it finishes .

```
#####
> {Step 5: Install ROS, you pick how much of ROS you would like to install.}
[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.]

for your install (Default is 1):
```

3- After installing every thing we have to check the type of ROS version by typing this code Rosversion -d in the terminal.

```
rayyan@Rayyan: ~
Unpacking libignition-transport8-log-dev:amd64 (8.0.0-1-focal) ...
Selecting previously unselected package libignition-transport8-dev:amd64.
Preparing to unpack .../1005-libignition-transport8-dev_8.0.0-1-focal_amd64.deb ...
Unpacking libignition-transport8-dev:amd64 (8.0.0-1-focal) ...
Selecting previously unselected package libsimbody-dev:amd64.
Preparing to unpack .../1006-libsimbody-dev_3.6.1+dfsg-7build1_amd64.deb ...
Unpacking libsimbody-dev:amd64 (3.6.1+dfsg-7build1) ...
Selecting previously unselected package libbullet-dev:amd64.
Preparing to unpack .../1007-libbullet-dev_2.88+dfsg-2build2_amd64.deb ...
Unpacking libbullet-dev:amd64 (2.88+dfsg-2build2) ...
Selecting previously unselected package gazebo11-plugin-base.
Preparing to unpack .../1008-gazebo11-plugin-base_11.0.0-2-focal_amd64.deb ...
Unpacking gazebo11-plugin-base (11.0.0-2-focal) ...
Selecting previously unselected package libgazebo11-dev:amd64.
Preparing to unpack .../1009-libgazebo11-dev_11.0.0-2-focal_amd64.deb ...
Unpacking libgazebo11-dev:amd64 (11.0.0-2-focal) ...
dpkg: error processing archive /tmp/apt-dpkg-install-OLhLxK/1009-libgazebo11-dev_11.0.0-2-focal_amd64.deb (--unpack):
cannot copy extracted data for './usr/include/gazebo-11/gazebo/rendering/Scene.hh' to './usr/include/gazebo-11/gazebo/rendering/Scene.hh.dpkg-new': failed
No apport report written because the error message indicates a disk full error
dpkg-deb: error: paste subprocess was killed by signal (Broken pipe)
Selecting previously unselected package ros-noetic-gazebo-dev.
Preparing to unpack .../1010-ros-noetic-gazebo-dev_2.9.1-1focal.20200529.054115_amd64.deb ...
Unpacking ros-noetic-gazebo-dev (2.9.1-1focal.20200529.054115) ...
Selecting previously unselected package ros-noetic-gazebo-msgs.
Preparing to unpack .../1011-ros-noetic-gazebo-msgs_2.9.1-1focal.20200529.064004_amd64.deb ...
Unpacking ros-noetic-gazebo-msgs (2.9.1-1focal.20200529.064004) ...
dpkg: error processing archive /tmp/apt-dpkg-install-OLhLxK/1011-ros-noetic-gazebo-msgs_2.9.1-1focal.20200529.064004_amd64.deb (--unpack):
unable to write new file './var/lib/dpkg/info/ros-noetic-gazebo-msgs.list-new': No space left on device
No apport report written because the error message indicates a disk full error
Selecting previously unselected package ros-noetic-gazebo-ros.
Preparing to unpack .../1012-ros-noetic-gazebo-ros_2.9.1-1focal.20200529.070139_amd64.deb ...
Unpacking ros-noetic-gazebo-ros (2.9.1-1focal.20200529.070139) ...
dpkg: error processing archive /tmp/apt-dpkg-install-OLhLxK/1012-ros-noetic-gazebo-ros_2.9.1-1focal.20200529.070139_amd64.deb (--unpack):
cannot copy extracted data for './opt/ros/noetic/include/gazebo_ros/PhysicsConfig.h' to './opt/ros/noetic/include/gazebo_ros/PhysicsConfig.h.dpkg-new': failed
No apport report written because MaxReports is reached already
dpkg-deb: error: paste subprocess was killed by signal (Broken pipe)
Selecting previously unselected package ros-noetic-gazebo-plugins.
Preparing to unpack .../1013-ros-noetic-gazebo-plugins_2.9.1-1focal.20200529.070922_amd64.deb ...
Unpacking ros-noetic-gazebo-plugins (2.9.1-1focal.20200529.070922) ...
dpkg: error processing archive /tmp/apt-dpkg-install-OLhLxK/1013-ros-noetic-gazebo-plugins_2.9.1-1focal.20200529.070922_amd64.deb (--unpack):
cannot copy extracted data for './opt/ros/noetic/include/gazebo_plugins/CameraSynchronizerConfig.h' to './opt/ros/noetic/include/gazebo_plugins/CameraSyn
space left on device)
dpkg-deb: error: paste subprocess was killed by signal (Broken pipe)
dpkg: unrecoverable fatal error, aborting:
unable to flush /var/lib/dpkg/updates/tmp.1 after padding: No space left on device
E: Sub-process /usr/bin/dpkg returned an error code (2)
rayyan@Rayyan:~$
```

```
rayyan@Rayyan: ~
rayyan@Rayyan:~$ rosversion -d
noetic
rayyan@Rayyan:~$
```