

LAB 0: Ubuntu, ROS and Sparkiduo

CSCI 3302: Introduction to Robotics

By: Nebiyu Tadesse

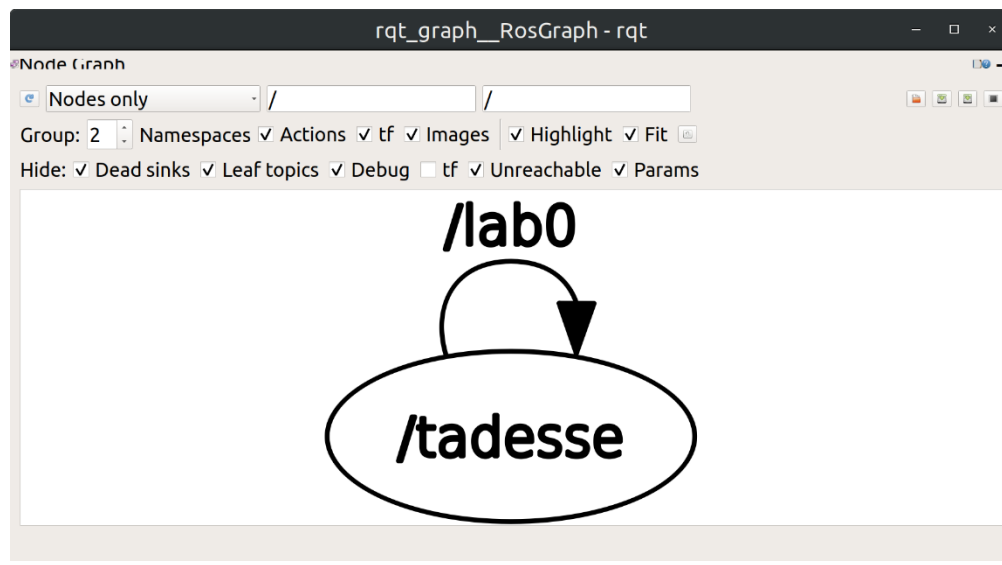
I. Outcome of Tutorial 13

```
nebiyu@nebs: ~/catkin_ws 101x18
nebiyu@nebs:~/catkin_ws$ rosrn beginner_tutorials talker.py
[INFO] [1579568325.850406]: hello world 1579568325.85
[INFO] [1579568325.950625]: hello world 1579568325.95
[INFO] [1579568326.050570]: hello world 1579568326.05
[INFO] [1579568326.150612]: hello world 1579568326.15
[INFO] [1579568326.250700]: hello world 1579568326.25
[INFO] [1579568326.350880]: hello world 1579568326.35
[INFO] [1579568326.450713]: hello world 1579568326.45
[INFO] [1579568326.550657]: hello world 1579568326.55
[INFO] [1579568326.650633]: hello world 1579568326.65
[INFO] [1579568326.750638]: hello world 1579568326.75
[INFO] [1579568326.850706]: hello world 1579568326.85
[INFO] [1579568326.950574]: hello world 1579568326.95
[INFO] [1579568327.050707]: hello world 1579568327.05
[INFO] [1579568327.150646]: hello world 1579568327.15
[INFO] [1579568327.250633]: hello world 1579568327.25
[INFO] [1579568327.350622]: hello world 1579568327.35
[INFO] [1579568327.450637]: hello world 1579568327.45
nebiyu@nebs:~/catkin_ws 101x20
nebiyu@nebs:~/catkin_ws$ rosrn beginner_tutorials listener.py
[INFO] [1579568327.954716]: /listener_32043_1579568327709I heard hello world 1579568327.95
[INFO] [1579568328.054603]: /listener_32043_1579568327709I heard hello world 1579568328.05
[INFO] [1579568328.154005]: /listener_32043_1579568327709I heard hello world 1579568328.15
[INFO] [1579568328.254487]: /listener_32043_1579568327709I heard hello world 1579568328.25
[INFO] [1579568328.352002]: /listener_32043_1579568327709I heard hello world 1579568328.35
[INFO] [1579568328.454407]: /listener_32043_1579568327709I heard hello world 1579568328.45
[INFO] [1579568328.554468]: /listener_32043_1579568327709I heard hello world 1579568328.55
[INFO] [1579568328.651728]: /listener_32043_1579568327709I heard hello world 1579568328.65
[INFO] [1579568328.754370]: /listener_32043_1579568327709I heard hello world 1579568328.75
[INFO] [1579568328.854410]: /listener_32043_1579568327709I heard hello world 1579568328.85
[INFO] [1579568328.954515]: /listener_32043_1579568327709I heard hello world 1579568328.95
[INFO] [1579568329.054232]: /listener_32043_1579568327709I heard hello world 1579568329.05
[INFO] [1579568329.154404]: /listener_32043_1579568327709I heard hello world 1579568329.15
[INFO] [1579568329.254568]: /listener_32043_1579568327709I heard hello world 1579568329.25
[INFO] [1579568329.354553]: /listener_32043_1579568327709I heard hello world 1579568329.35
[INFO] [1579568329.454700]: /listener_32043_1579568327709I heard hello world 1579568329.45
[INFO] [1579568329.554843]: /listener_32043_1579568327709I heard hello world 1579568329.55
[INFO] [1579568329.654474]: /listener_32043_1579568327709I heard hello world 1579568329.65
[INFO] [1579568329.754291]: /listener_32043_1579568327709I heard hello world 1579568329.75
```

II. Outcome of Tutorial 16

```
nebiyu@nebs: ~/catkin_ws 101x5
nebiyu@nebs:~/catkin_ws$ rosrn beginner_tutorials add_two_ints_server.py
Ready to add two ints
Returning [1 + 3 = 4]
nebiyu@nebs:~/catkin_ws 101x33
nebiyu@nebs:~/catkin_ws$ rosrn beginner_tutorials add_two_ints_client.py 1 3
Requesting 1+3
1 + 3 = 4
nebiyu@nebs:~/catkin_ws$
```

III. Screenshot of the rqt_graph



IV. Screenshot of terminal's output from command "rostopic info /lab0"

```
nebiyu@nebs:~/catkin_ws$ rostopic info /lab0
Type: std_msgs/String

Publishers:
* /tadesse (http://nebs:45637/)

Subscribers:
* /tadesse (http://nebs:45637/)

nebiyu@nebs:~/catkin_ws$
```