

Assignment 0: Introduction to ROS

The deliverables for this project is your `my_initials.py` and a screenshot of the turtlesim window after running your node. Hand in this assignment by uploading these files via the ELMS website.

1 ROS Installation

Install ROS Indigo on your personal machine. It is highly recommended that you install it under Ubuntu 14.04 LTS.

- Ubuntu 14.04 installation instructions: <http://www.ubuntu.com/download/desktop/install-ubuntu-desktop>
- ROS Indigo installation instructions: <http://wiki.ros.org/indigo/Installation>

Alternatively, if you are making a fresh install of Ubuntu + ROS you can use an image which will install Ubuntu together with ROS and all of the packages required for the class. You can get it here: <http://download.ros.org/downloads/turtlebot/ubuntu-14.04.2-desktop-amd64-turtlebot-RC0.iso>

2 ROS Tutorials

Complete ROS beginner tutorials 1-18 found here: <http://wiki.ros.org/ROS/Tutorials>. Use Python for the Publisher/Subscriber and Service/Client tutorials (i.e. you don't have to do tutorials 11 and 14).

After completing the tutorial write a node called `my_initials.py` that will make the turtlesim write the first letter of your name. The output of turtlesim should be similar to the one shown on Figure 1.

If the first letter of your name has curved parts (i.e. an "O") you can approximate them with right angles.

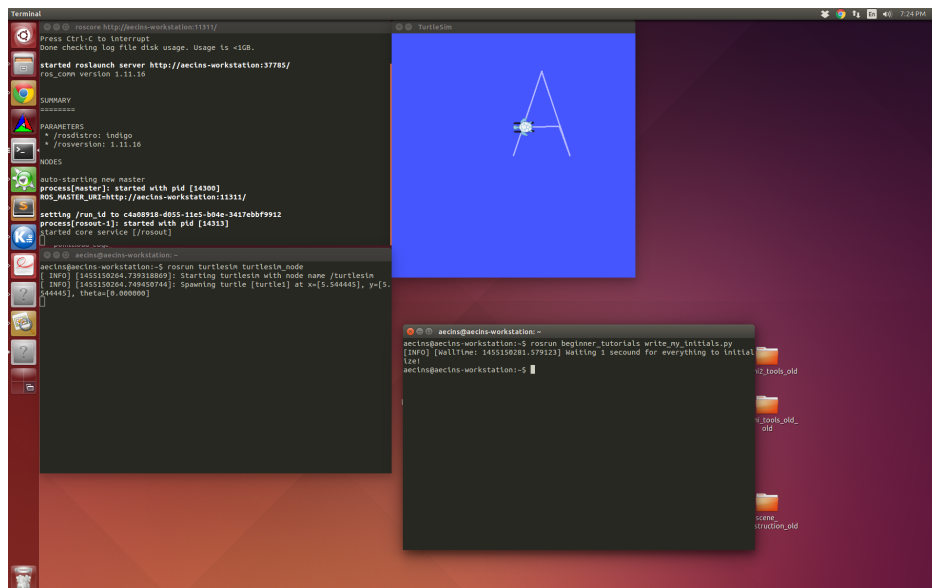


Figure 1: Example of letter "A" drawn using turtlesim