

Note of ROS Tutorial

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1 Introduction to ROS

Let's create a catkin workspace:

```
$ mkdir -p /catkin_ws/src % create a directory
$ cd /catkin_ws/src
$ catkin_init_workspace
```

1.1 What is ROS?

1.2 Be familiar with Ubuntu

1.2.1 Recommended version of Ubuntu and installation info

1.2.2 Recommended tools for programming in Ubuntu

1.2.3 Frequently used Linux commands

1.3 ROS installation and related setup

1.4 Turtlesim

2 Details of Programming in ROS

2.1 ROS system structure overview

2.2 First program with ROS: Hello World!

2.3 Program demonstration with Kinect