

# 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