

Setup ROS

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1 Summary

This document summarizes how to setup ROS. It will be assume that it is installed in an Ubuntu environment.

2 About ROS

From www.ros.org ...

The Robot Operating System (ROS) is a flexible framework for writing robot software. It is a collection of tools, libraries, and conventions that aim to simplify the task of creating complex and robust robot behavior across a wide variety of robotic platforms.

3 Install ROS

Setup computer or VM with an OS (e.g. 16.04 - Xenial) that matches the desired version of ROS (e.g. Kintic Kane)

Find installation instruction on www.ros.org for desired version of ROS and operating system (e.g. Kintic and Ubuntu 16.04 (Xenial))

- Choose Full or basic installation
- Initialize rosdep
- Follow instructions for environment setup

4 ROS Tutorials

- wiki.ros.org/ROS/Tutorials
- [/www.udemy.com](http://www.udemy.com)

Revision History

Revision	Date	Author(s)	Description
1.0	Dec 8, 2018	Matt Kontz	Created initial version with brief directions on setting up a Ubuntu VirtualBox virtual machine in a windows host.