### Steps for simulation setup and drone control:

**Please ensure you are using Ubuntu 16.04**

### 1. Gazebo with ROS

To install the development toolchain:

1. Download [ubuntu\_sim\_ros\_gazebo.sh](https://raw.githubusercontent.com/PX4/Devguide/master/build_scripts/ubuntu_sim_ros_gazebo.sh).
2. Run the script in a bash shell:

source ubuntu\_sim\_ros\_gazebo.sh

You may need to acknowledge some prompts as the script progresses.

Note:

* ROS is installed with Gazebo7 by default (we have chosen to use the default rather than Gazebo8 or Gazebo9 to simplify ROS development).
* Your catkin (ROS build system) workspace is created at ~/catkin\_ws/.

The above will install, PX4, MAVROS, GAZEBO7.0, ROS Kinetic.