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CAT Vehicle Testbed

CPS-VO » CAT VEHICLE TESTBED

Compile the release



VIEW

Home

Submitted by [sprinkle](#) on Fri, 05/27/2016 - 7:19pm

About

Create your workspace

After you've installed ROS and the dependent packages, create a workspace using catkin. I'll use the catvehicle_ws prefix, but you can use whatever you like (and have as many of them as you like).

Get Started

Videos

```
cd ~
mkdir -p catvehicle_ws/src
cd catvehicle_ws/src
catkin_init_workspace
```

Forums

Files

The workspace init should succeed. You're now ready to download and extract the files you need for the simulator.

MEMBER INFO

Download the packages

You can download from the CPS-VO to get a specific version as archived, or from git. First, we'll download the catvehicle package, and then another package which we need in order to make the catvehicle (kind of) safely drive around.

- catvehicle package: <http://cps-vo.org/node/31787> or <https://github.com/sprinkjm/catvehicle.git>
- obstaclestopper package: <http://cps-vo.org/node/31793> or <https://github.com/sprinkjm/obstaclestopper.git>

Download these files (obstaclestopper-x.y.z.tgz and catvehicle-x.y.z.tgz) into your Downloads directory, and then:

```
cd ~/catvehicle_ws/src
git clone https://github.com/sprinkjm/catvehicle.git
git clone https://github.com/sprinkjm/obstaclestopper.git
cd ../
catkin_make
```

You should now see the successful compile of the release, and you're ready to [Launch Gazebo with the CAT Vehicle](#).

azcar_sim (v1)

The below deprecated tutorial is duplicated from the previous release, and will eventually be removed.

After you've extracted your .tgz file, go into that directory. I will use the directory "catvehicle" as a variable.

```
cd catvehicle
catkin_make
```

Many, many files will be compiled here. If you get errors in the compile process, you may be missing packages, or may not have the build essentials package installed on your machine.

Now you're ready to head to the tutorials to verify things are working.

Video demonstration

<http://cps-vo.org/node/26625>

Backlinks:

- [Tutorials for azcar_sim](#)
- [Installation](#)
- [Tutorials](#)

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azcar_sim catvehicle_v2