EGN 4905 Autonomous Systems

Laboratory Exercise 2-B Module 1: VM updates and Setting GitHub Account

In this module, you will be fixing a networking issue with the VM distributed in Laboratory Exercise 2-A.

Update `hosts` file on VM

You will be updating `hosts` file located in `/etc` system folder following the steps below:

1. Connect host computer to the network (e.g. Poly Secure)

2. Put VM networking in NAT mode

3. Start the VM and connect to DHCP in the network list

4. In a VM terminal, run the command:

   - `sudo wget http://peris.mit.edu/RSS/hosts -O /etc/hosts`

Create a new ROS workspace and clone repositories

It is suggested that each member of your team creates a new ROS workspace named `racecar_team[team number]_ws` by running the commands below:

1. `mkdir -p racecar_team1_ws/src`

2. `cd racecar_team1_ws/src`

3. `catkin_init_workspace`

4. `cd..`

5. `catkin_make`

You can use this new workspace to clone the repositories you forked earlier. The `racecar-ws` workspace can then be used for the code which the class staff releases including working solutions.

You can also source the `devel/setup.bash` file of your team workspace automatically by running the command below:

- `echo "source racecar_team1_ws/devel/setup.bash" >> .bashrc`

Now you can freely work in this workspace to add new packages, code, etc. We will further help you with instructions on committing and pushing changes to your remote repositories.