

# 1. Assignment, Introduction to Robotics WS19/20

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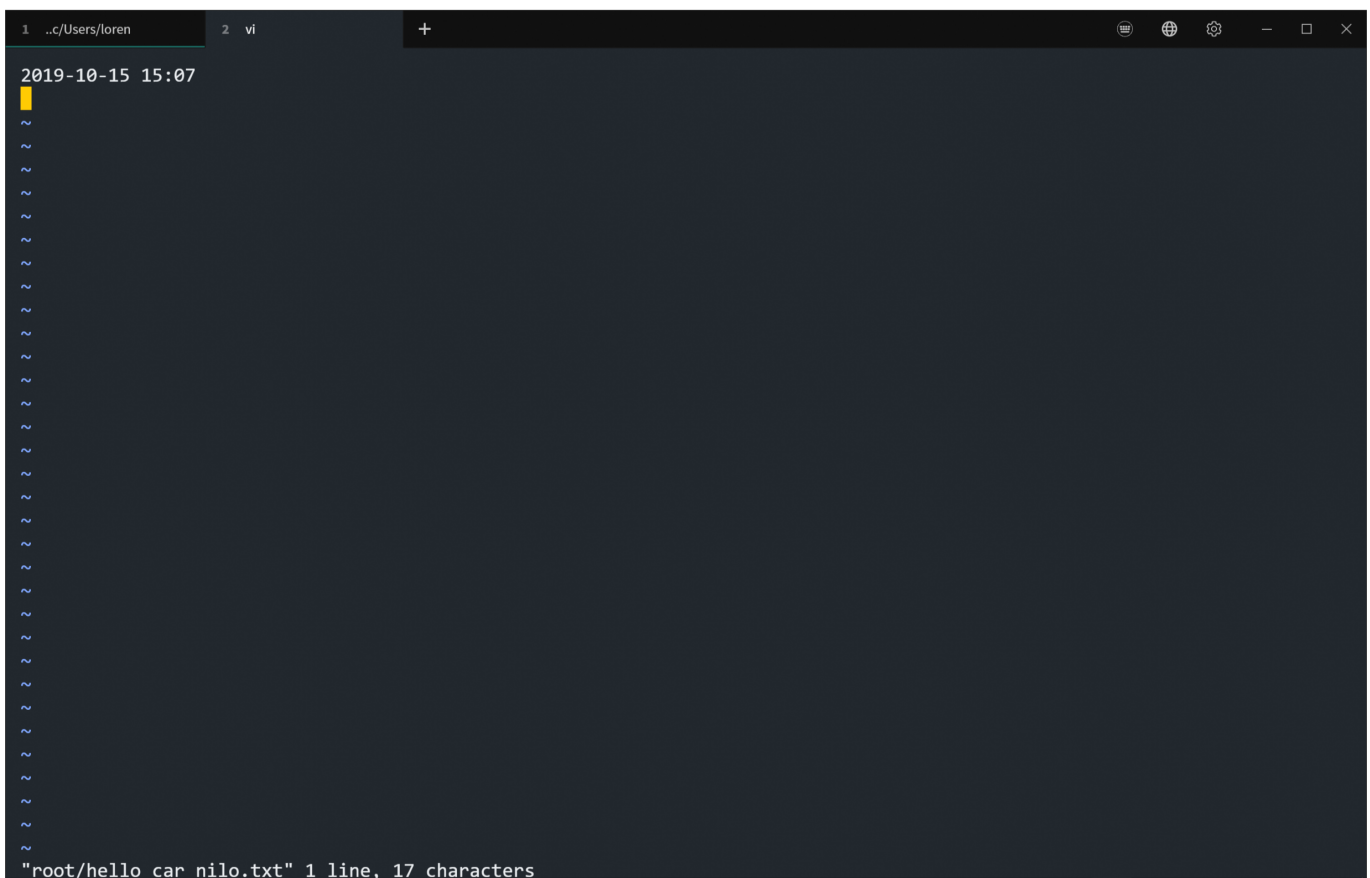
(bearbeitet von Nils Hutmacher und Lorenz Ohly)

## 1. Connect to the model car via SSH (4 Points)

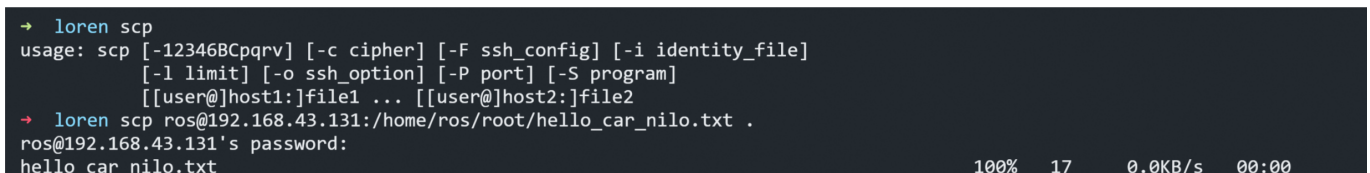
SSH login:

A terminal window with a dark background. The top bar shows two tabs: the first is labeled '..c/Users/loren' and the second is labeled '~'. The terminal prompt is 'ros@odroid' followed by a blue arrow icon and a yellow cursor. On the right side of the terminal, there is a status bar showing a green checkmark, the number '527', and the time '13:05:05'.

Add text file:

A terminal window with a dark background. The top bar shows two tabs: the first is labeled '..c/Users/loren' and the second is labeled 'vi'. The terminal shows the date and time '2019-10-15 15:07' followed by a yellow cursor. Below the cursor, there are several tilde '~' characters representing a directory listing. At the bottom of the terminal, a status bar indicates '"root/hello car nilo.txt" 1 line, 17 characters'.

scp:

A terminal window with a dark background. The top bar shows two tabs: the first is labeled 'loren' and the second is labeled 'scp'. The terminal shows the command 'loren scp' followed by the usage information for the scp command. Below the usage information, the command 'loren scp ros@192.168.43.131:/home/ros/root/hello\_car\_nilo.txt .' is shown. The terminal then shows the password prompt 'ros@192.168.43.131's password:' followed by the filename 'hello\_car\_nilo.txt'. At the bottom right, a progress bar shows '100%' and '17' files transferred at a rate of '0.0KB/s' in '00:00' time.

## 2. Create a repository (2 Points)

[https://github.com/lorenzoh/catkin\\_ws\\_user](https://github.com/lorenzoh/catkin_ws_user)

We've sent a contributor link to [github.com/goehring](https://github.com/goehring) (hope that's the right one)

### 3. ROS installation (4 Points)

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nils@nils-ThinkPad-X240:~$ roscore
... logging to /home/nils/.ros/log/060ca20a-f330-11e9-8752-7c7a91a2ddb6/roslaunch-nils-ThinkPad-X240-29607.log
Checking log directory for disk usage. This may take awhile.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.

started roslaunch server http://nils-ThinkPad-X240:34379/
ros_comm version 1.14.3

SUMMARY
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PARAMETERS
* /rostdistro: melodic
* /rosversion: 1.14.3

NODES

auto-starting new master
process[master]: started with pid [29631]
ROS_MASTER_URI=http://nils-ThinkPad-X240:11311/

setting /run_id to 060ca20a-f330-11e9-8752-7c7a91a2ddb6
process[rosout-1]: started with pid [29642]
started core service [/rosout]
```