

## 1 Aufgabe 1

```
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.1.199' (ECDSA) to the list of known hosts.
steved@192.168.1.199's password:

steved~/ $ ssh 192.168.1.199
ssh: connect to host 192.168.1.199 port 22: Network is unreachable [11:54:16]
steved~/ $ ssh 192.168.1.199
steved@192.168.1.199's password: [11:54:16]

steved~/ $ ssh root@192.168.1.199
root@192.168.1.199's password: [11:54:22]
Welcome to Ubuntu 18.04.1 LTS (GNU/Linux 4.14.69-148 armv7l)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Security certifications for Ubuntu!
   We now have FIPS, STIG, CC and a CIS Benchmark.
   - https://bit.ly/SecurityCertification

 * Want to make a highly secure kiosk, smart display or touchscreen?
   Here's a step-by-step tutorial for a rainy weekend, or a startup.
   - https://bit.ly/secure-kiosk

Last login: Thu Oct 25 09:09:11 2018 from 192.168.43.24
* root@human ➤ cat >
* root@human ➤ ls
4.14.66-147-tuner.ko          4.14.66-147-videobuf-vmalloc.ko  hello_car_Spizie.txt
4.14.66-147-uvccvideo.ko     autostart.sh                    hello_car_XY.txt
4.14.66-147-v4l2-fwnode.ko   hello_car_crash.txt             librealSense.log
4.14.66-147-videobuf2-vmalloc.ko  hello_car_gepard.txt           multimaster_fkie
4.14.66-147-videobuf-core.ko    hello_car_RoboticABL.txt
4.14.66-147-videobuf-dvb.ko     hello_car_R0Sinchen.txt
* root@human ➤ echo $SHELL
/usr/bin/zsh
* root@human ➤ cat > hello_car_crash_override.txt
Here be dragons!
^C
ls
* root@human ➤ ls
4.14.66-147-tuner.ko          hello_car_crash.txt
4.14.66-147-uvccvideo.ko     hello_car_gepard.txt
4.14.66-147-v4l2-fwnode.ko   hello_car_RoboticABL.txt
4.14.66-147-videobuf2-vmalloc.ko  hello_car_R0Sinchen.txt
4.14.66-147-videobuf-core.ko    hello_car_Spizie.txt
4.14.66-147-videobuf-dvb.ko     hello_car_XY.txt
4.14.66-147-videobuf-vmalloc.ko  librealSense.log
autostart.sh                  multimaster_fkie
hello_car_crash_override.txt
* root@human ➤
```

## 2 Aufgabe 2

Unser Repository finden sie hier: [https://github.com/bigzed/catkin\\_ws\\_user](https://github.com/bigzed/catkin_ws_user).

## 3 Aufgabe 3

```
Activities Terminal Do 12:16
sourx@sourx-VirtualBox: ~
File Edit View Search Terminal Help
sourx@sourx-VirtualBox:~$ roscore
... logging to /home/sourx/.ros/log/f75ffffe-d83c-11e8-b30d-08002764b390/roslaunch-sourx-VirtualBox-1550.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://sourx-VirtualBox:37875/
ros_comm version 1.14.3

SUMMARY
=====
PARAMETERS
 * /roscdistro: melodic
 * /rosversion: 1.14.3

NODES

auto-starting new master
process[master]: started with pid [1561]
ROS_MASTER_URI=http://sourx-VirtualBox:11311/

setting /run_id to f75ffffe-d83c-11e8-b30d-08002764b390
process[roscout-1]: started with pid [1572]
started core service [/roscout]
^C[roscout-1] killing on exit
[master] killing on exit
shutting down processing monitor...
... shutting down processing monitor complete
done
sourx@sourx-VirtualBox:~$ printenv | grep ROS
ROS_ETC_DIR=/opt/ros/melodic/etc/ros
ROS_ROOT=/opt/ros/melodic/share/ros
ROS_MASTER_URI=http://localhost:11311
ROS_VERSION=1
ROS_PYTHON_VERSION=2
ROS_PACKAGE_PATH=/opt/ros/melodic/share
ROSLISP_PACKAGE_DIRECTORIES=
ROS_DISTRO=melodic
sourx@sourx-VirtualBox:~$ uname
Linux
sourx@sourx-VirtualBox:~$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description: Ubuntu 18.04.1 LTS
Release: 18.04
```