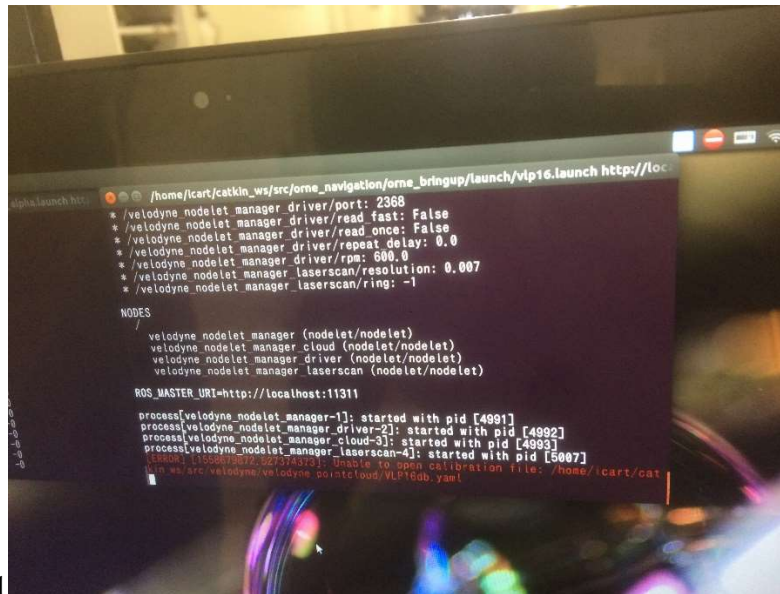


/roslaunch velodyne\_pointcloud VLP16\_points.launch

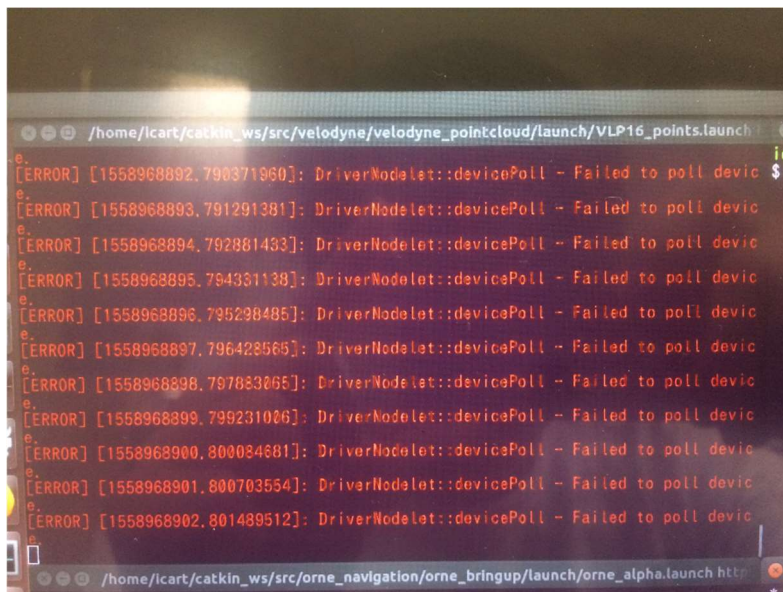
Velodyne1



1

原因:yaml ファイルがない

Velodyne:2



原因 1:PC と Velodyne がつながっていない、ethere ケーブルが PC から Velodyne につながっているか確認

原因 2:velodyne のネットワーク設定ができていない

/roslaunch orne\_navigation\_executor build\_map\_teleop.launch

```
starting new master
$ 
by path event10 event13 event16 event17 event4 ev
event0 event11 event14 event17 event4 ev
icart@icart-ThinkPad-P40-Yoga: ~$ 
$ □

starting new master
$ 
/home/icart/catkin_ws/src/orne_navigation/orne_navigation_executor/launch/build_map
* /waypoints_saver/filename: /home/icart/catki...
* /waypoints_saver/save_joy_button: 0

NODES
/
joy_node (joy/joy_node)
rviz (rviz/rviz)
slam_gmapping (gmapping/slam_gmapping)
teleop_twist_joy (teleop_twist_joy/teleop_node)
waypoints_saver (fulanghua_waypoints_nav/waypoints_saver)

ROS_MASTER_URI=http://localhost:11311

process[waypoints_saver-1]: started with pid [30443]
process[joy_node-2]: started with pid [30444]
process[teleop_twist_joy-3]: started with pid [30460]
process[slam_gmapping-4]: started with pid [30471]
process[rviz-5]: started with pid [30504]
[rviz-5] process has died [pid 30504, exit code -11, cmd /opt/ros/kinetic/lib/rv
iz/rviz -d /home/icart/catkin_ws/src/orne_navigation/orne_navigation_executor/rv
iz/cfg/x.rviz --name=rviz --log:=/home/icart/.ros/log/56524ce4-80fb-11e9-b6d2-1
4abc575ffee/rviz-5.log].
log file: /home/icart/.ros/log/56524ce4-80fb-11e9-b6d2-14abc575ffee/rviz-5*.log
```

原因:不明

起動しなおしたら出来た

```
[INFO] [1559012399.137456922]: Commands for joints: 0, -0
[INFO] [1559012399.147453493]: Commands for joints: 0, -0
[INFO] [1559012399.157437254]: Commands for joints: 0, -0
[INFO] [1559012399.167639730]: Commands for joints: 0, -0

/home/icart/catkin_ws/src/orne_navigation/orne_navigation_executor/launch/build_map
* /waypoints_saver/filename: /home/icart/catki...
* /waypoints_saver/save_joy_button: 0


NODES
/
joy_node (joy/joy_node)
rviz (rviz/rviz)
slam_gmapping (gmapping/slam_gmapping)
teleop_twist_joy (teleop_twist_joy/teleop_node)
waypoints_saver (fulanghua_waypoints_nav/waypoints_saver)

ROS_MASTER_URI=http://localhost:11311

process[waypoints_saver-1]: started with pid [12757]
process[joy_node-2]: started with pid [12758]
process[teleop_twist_joy-3]: started with pid [12770]
process[slam_gmapping-4]: started with pid [12781]
process[rviz-5]: started with pid [12804]
[ERROR] [1559012244.178070644]: Couldn't open joystick /dev/input/js0. Will retr
y every second.
Laser Pose= 0.110219 0.00436769 -0.0870623
Laser Pose= 0.110434 0.0113372 -0.0415002
Registering Scans:Done
```

原因:ジョイスティックが/dev/input/にない

```
i2c-0 i2c-1 i2c-2 i2c-3 i2c-4 i2c-5 initctl input/
icart@icart-ThinkPad-P40-Yoga:~
$ ls /dev/i
i2c-0 i2c-1 i2c-2 i2c-3 i2c-4 i2c-5 initctl input/
icart@icart-ThinkPad-P40-Yoga:~
$ ls /dev/in
initctl input/
icart@icart-ThinkPad-P40-Yoga:~
$ ls /dev/input/
by-id event1 event12 event15 event2 event5 event8 mice mouse2
by-path event10 event13 event16 event3 event6 event9 mouse0 mouse3
event0 event11 event14 event17 event4 event7 js0 mouse1
icart@icart-ThinkPad-P40-Yoga:~
$ ls /dev/input/
by-id event1 event12 event15 event2 event5 event9 mouse1
by-path event10 event13 event16 event3 event6 mice mouse2
event0 event11 event14 event17 event4 event7 mouse0 mouse3
icart@icart-ThinkPad-P40-Yoga:~
$
```



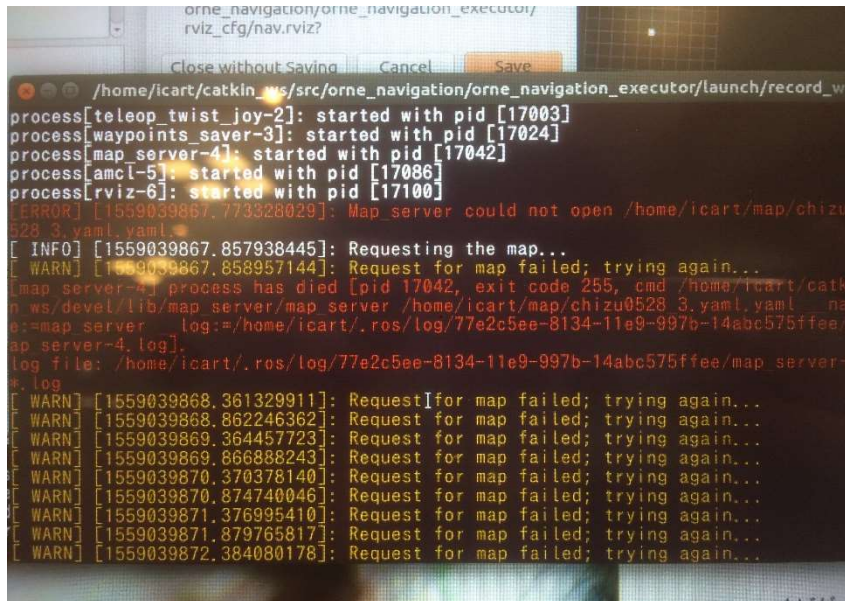
ジョイスティックが認識されているかどうかは/dev/input/を見て js0 があるかないかでわかる

/rosvbag

- rosvbag record -a:データを記録
- ctrl+c で終了しないと保存できない



/record\_waypoints



```
orne_navigation/orne_navigation_executor/
rviz_cfg/nav.rviz?
Close without Saving Cancel Save
/home/icart/catkin_ws/src/orne_navigation/orne_navigation_executor/launch/record_w
process[teleop_twist_joy-2]: started with pid [17003]
process[waypoints_saver-3]: started with pid [17024]
process[map_server-4]: started with pid [17042]
process[amcl-5]: started with pid [17086]
process[rviz-6]: started with pid [17100]
[ERROR] [1559039867.77328029]: Map server could not open /home/icart/map/chizu
0528_3.yaml.yaml
[ INFO] [1559039867.857938445]: Requesting the map...
[ WARN] [1559039867.858957144]: Request for map failed; trying again...
[map_server-4] process has died [pid 17042, exit code 255, cmd /home/icart/catk
n_ws/devel/lib/map_server/map_server /home/icart/map/chizu0528_3.yaml.yaml na
me:=map_server log:=/home/icart/.ros/log/77e2c5ee-8134-11e9-997b-14abc575ffee/
map_server-4.log].
log file: /home/icart/.ros/log/77e2c5ee-8134-11e9-997b-14abc575ffee/map_server-
4.log
[ WARN] [1559039868.361329911]: Request for map failed; trying again...
[ WARN] [1559039868.862246362]: Request for map failed; trying again...
[ WARN] [1559039869.364457723]: Request for map failed; trying again...
[ WARN] [1559039869.866888243]: Request for map failed; trying again...
[ WARN] [1559039870.370378140]: Request for map failed; trying again...
[ WARN] [1559039870.874740046]: Request for map failed; trying again...
[ WARN] [1559039871.376995410]: Request for map failed; trying again...
[ WARN] [1559039871.879765817]: Request for map failed; trying again...
[ WARN] [1559039872.384080178]: Request for map failed; trying again...
```

マップ名指定時.yamlをつける必要なし

Orne\_alpha リモートとの違い

- orne\_navigation\_executor localization.launch リマップが必要

Amcl パッケージ内に

```
<remap from="/scan" to="/vel_scan"/>
```

を追加する。