

[Question] Autoware with AWSIM tutorial's is happen two errors. #3236

Unanswered nitro6206 asked this question in Q&A



nitro6206 on Jan 28, 2023

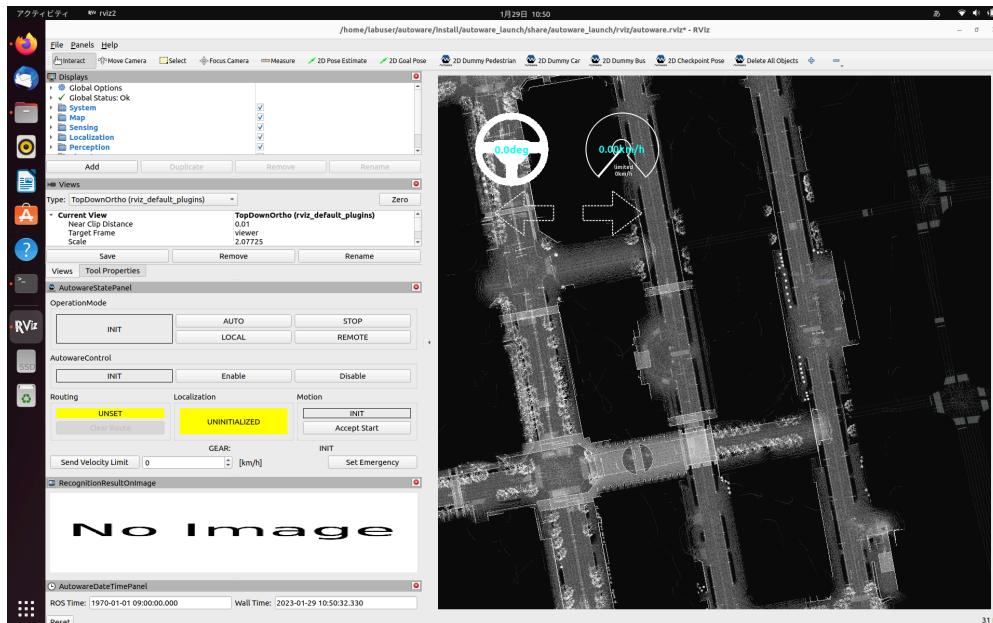
Excuse me.

Set up autoware according to AWSIM tutorial

(<https://tier4.github.io/AWSIM/GettingStarted/QuickStartDemo/>) I was doing it, but it didn't go as planned.

I've done one run, but it's in the following state.

- Autoware and AWSIM cannot be linked.
(RecognitionResultOnImage is No Image)



- The following error continues to occur when autoware is started.

Category



Q&A

Labels

None yet

4 participants



[motion_velocity_smoother-58] [WARN] [1674955564.234992058]
[planning.scenario_planning.motion_velocity_smoother]: failed to get transform from map to base_link: Could not find a connection between 'map' and 'base_link' because they are not part of the same tree.Tf has two or more unconnected trees.
[motion_velocity_smoother-58] [INFO] [1674955564.235050641]
[planning.scenario_planning.motion_velocity_smoother]: waiting for self pose...
[component_container_mt-61] [WARN] [1674955564.360886770]
[planning.scenario_planning.lane_driving.motion_planning.obstacle_avoidance_planner]: failed to get transform from map to base_link: Could not find a connection between 'map' and 'base_link' because they are not part of the same tree.Tf has two or more unconnected trees.
[component_container_mt-61] [INFO] [1674955564.360937985]
[planning.scenario_planning.lane_driving.motion_planning.obstacle_avoidance_planner]: waiting for self pose...
[component_container-62] [INFO] [1674955564.949861442]
[planning.scenario_planning.parking.costmap_generator]: waiting for initial pose...
[component_container-64] [WARN] [1674955565.512169367]
[control.trajectory_follower.lane_departure_checker_node]: failed to get transform from map to base_link: Could not find a connection between 'map' and 'base_link' because they are not part of the same tree.Tf has two or more unconnected trees.
[component_container-64] [INFO] [1674955565.512208997]
[control.trajectory_follower.lane_departure_checker_node]: waiting for self pose...

I know that this is caused by Tf, but I don't know what to do specifically.
Is it a problem that should be ignored in the first place?

Could you please help me if possible?

↑ 1

3 comments · 27 replies

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shmpwk on Jan 28, 2023 Maintainer

@nitro6206

Is it a problem that should be ignored in the first place?

Yes it is ignorable but should disappear when 'map' and 'base_link' are connected.

However, when it does not disappear, something is wrong with it.

I have no idea what the problem is at the moment, so

- could you share your environment information: Ubuntu, ROS2 and AWSIM version?
- could you try [planning simulation](#) and [rosbag replay simulation](#) to confirm if Autoware itself can work as we expected?

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shmpwk on Jan 29, 2023 Maintainer

If you have mixed version of cuda and its related library, I recommend you to remove all and install one by `./setup-dev-env.sh` as described in the tutorial.



nitro6206 on Jan 29, 2023 Author

Thank you for reply.

These result is ...

[grepCuda.txt](#)

[grepNvidia.txt](<https://github.com/autowarefoundation>

[nvidiaSmi.txt](#)

/autoware/files/10529953/grepNvidia.txt)

But I don't see any problem with these.

so I would like to try `./setup-dev-env.sh` again.



nitro6206 on Jan 29, 2023 Author

Sorry, I wasn't sent grepNvidia.txt.

I'll resend.

[grepNvidia.txt](#)



yukkysaito on Jan 29, 2023 Maintainer

edited ▼

Looks like nvidia-driver doesn't work correctly from nvidiaSmi.txt



nitro6206 on Jan 29, 2023 Author

Thank you for reply.

understood.

I'll try deleting it all and putting it back in.



1



yukkysaito on Jan 29, 2023 Maintainer

@nitro6206

The `map` and `base_link` is not connected.

Normally, the position estimation is automatically initialized using GNSS.

If it is not done automatically, try to initialize the position estimation manually.

<https://autowarefoundation.github.io/autoware-documentation/main/tutorials/ad-hoc-simulation/planning-simulation/#2-set-an-initial-pose-for-the-ego-vehicle>



yukkysaito on Jan 30, 2023 Maintainer

edited ▾

Can you share the result of `nvcc --version` ?

```
yukky@yukky:~/workspace/tutorial/autoware$ nvcc --version
nvcc: NVIDIA (R) Cuda compiler driver
Copyright (c) 2005–2022 NVIDIA Corporation
Built on Tue_Mar__8_18:18:20_PST_2022
Cuda compilation tools, release 11.6, V11.6.124
Build cuda_11.6.r11.6/compiler.31057947_0
```

BTW, it is better to use code block. Just information. Because I can't figure out exactly what commands to use. 🙏

<https://docs.github.com/en/get-started/writing-on-github/working-with-advanced-formatting/creating-and-highlighting-code-blocks>



nitro6206 on Jan 30, 2023 Author

Thank you for reply.

I take this command.

```
labuser@labuser:~/autoware$ nvcc --version
nvcc: NVIDIA (R) Cuda compiler driver
Copyright (c) 2005–2022 NVIDIA Corporation
Built on Tue_Mar__8_18:18:20_PST_2022
Cuda compilation tools, release 11.6, V11.6.124
Build cuda_11.6.r11.6/compiler.31057947_0
```



yukkysaito on Jan 30, 2023 Maintainer

edited ▾

Thank you. Seems to be no problem.

Can you share the result of `./setup-dev-env.sh` ? 🙏

```
yukky@yukky:~/workspace/tutorial/autoware$ ./setup-dev-env.sh
Setting up the build environment can take up to 1 hour.
> Are you sure you want to run setup? [y/N] y
/home/yukky/.local/bin is already in PATH.

...

PLAY RECAP
*****
localhost      : ok=50   changed=4
unreachable=0   failed=0   skipped=5   rescued=0
ignored=0

Completed.
```



nitro6206 on Jan 30, 2023 Author

Thank you for reply.
This is that result.

PLAY RECAP

```
*****
localhost                : ok=50   changed=0
unreachable=0    failed=0    skipped=5    rescued=0
ignored=0
```

Completed.



nitro6206 on Jan 30, 2023 Author

Skipped messages are

TASK [Verify OS]

```
*****
skipping: [localhost]
```

TASK [Show a warning if the NVIDIA libraries will not be installed] *****
skipping: [localhost]

TASK [autoware.dev_env.cuda : (tmp for Ubuntu 22.04) Add liburcu6 repository into sources.list for arm64] ***
skipping: [localhost]

TASK [autoware.dev_env.cuda : (tmp for Ubuntu 22.04) Add liburcu6 repository into sources.list for arm64] ***
skipping: [localhost]

TASK [autoware.dev_env.git_lfs : Setup Git LFS]

skipping: [localhost]



Is TASK [Show a warning if the NVIDIA libraries will not be installed] ***** the cause of the problem?



fadimecetiner on Feb 2, 2023

Hello

I have encountered same problem and created an issue on AWSIM. But it is still open. You can check here: [Vehicle init pose: failed to get transform from map to base_link](#)

↑ 1

👍 1

0 replies