CMake Warning during colcon built #3269

AviBen96 on Feb 12, 2023   edited ▾

Good afternoon,

I am switching from autoware.ai to autoware.universe.

I have several CMAKE Warnings during the built, I am unsure if I should consider them or not. Could someone explain me what it is about ?

--- stderr: ndt_omp && livox_tag_filter
** WARNING ** io features related to openni will be disabled
** WARNING ** io features related to openni2 will be disabled
** WARNING ** io features related to pcap will be disabled
** WARNING ** io features related to png will be disabled
** WARNING ** io features related to libusb-1.0 will be disabled
** WARNING ** visualization features related to openni will be disabled
** WARNING ** visualization features related to openni2 will be disabled
** WARNING ** apps features related to openni will be disabled

--- stderr: tvm_utility
CMake Warning at tvm_utility-extras.cmake:58 (message):
Skipped download for yolo_v2_tiny (enable by setting
DOWNLOAD_ARTIFACTS)
Call Stack (most recent call first):
CMakeLists.txt:53 (get_neural_network)

CMake Warning at CMakeLists.txt:90 (message):
No model is generated for
/home/avner/CARLA_AUTOWARE_project/autoware/src/universe/autoware.un
iverse/common/tvm_utility/test/yolo_v2_tiny,
skipping test

Category

⛩ Q&A

Labels

None yet

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2 participants

--- stderr: lidar_apollo_segmentation_tvm
** WARNING ** io features related to openni will be disabled
** WARNING ** io features related to openni2 will be disabled
** WARNING ** io features related to pcap will be disabled
** WARNING ** io features related to png will be disabled
** WARNING ** io features related to libusb-1.0 will be disabled
** WARNING ** visualization features related to openni will be disabled
** WARNING ** visualization features related to openni2 will be disabled
** WARNING ** apps features related to openni will be disabled
CMake Warning at
/home/avner/CARLA_AUTOWARE_project/autoware/install/tvm_utility/share/t
vm_utility/cmake/tvm_utility-extras.cmake:58 (message):
Skipped download for baidu_cnn (enable by setting
DOWNLOAD_ARTIFACTS)
Call Stack (most recent call first):
CMakeLists.txt:34 (get_neural_network)

CMake Warning at CMakeLists.txt:83 (message):
Neural network not found, skipping package.

--- stderr: lidar_apollo_segmentation_tvm_nodes
CMake Warning at CMakeLists.txt:50 (message):
lidar_apollo_segmentation_tvm not built, skipping package.

--- stderr: tier4_traffic_light_rviz_plugin
In file included from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreMemoryAllocatorConfig.h:32,
from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgrePrerequisites.h:315,
from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h:37,
from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector3.h:1,
from
/opt/ros/galactic/include/rviz_common/frame_mana
ger_iface.hpp:45,
from
/opt/ros/galactic/include/rviz_common/display_cont
ext.hpp:42,
from
/home/avner/CARLA_AUTOWARE_project/autoware
/src/universe/autoware.universe/common/tier4_traf
fic_light_rviz_plugin/src/traffic_light_publish_pane
l.cpp:28:
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreAlignedAllocator.h:108:73: warning: extra ';'
[-Wpedantic]
108 | AlignedAllocator(const AlignedAllocator<U,
Alignment>& other) {};
| ^
| -
In file included from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector3.h:1,
from
/opt/ros/galactic/include/rviz_common/frame_mana
ger_iface.hpp:45,
from
/opt/ros/galactic/include/rviz_common/display_cont
ext.hpp:42,
from
/home/avner/CARLA_AUTOWARE_project/autoware

```
/src/universe/autoware.universe/common/tier4_traf
fic_light_rviz_plugin/src/traffic_light_publish_pane
l.cpp:28:
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h: In member function 'Ogre::Radian
Ogre::VectorBase<2, float>::angleTo(const
Vector2&) const':
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h:770:16: warning: implicitly-declared
'constexpr Ogre::Radian::Radian(const
Ogre::Radian&)' is deprecated [-Wdeprecated-
copy]
770 | return angle;
| ^~~~~
In file included from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h:38,
from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector3.h:1,
from
/opt/ros/galactic/include/rviz_common/frame_mana
ger_iface.hpp:45,
from
/opt/ros/galactic/include/rviz_common/display_cont
ext.hpp:42,
from
/home/avner/CARLA_AUTOWARE_project/autoware
/src/universe/autoware.universe/common/tier4_traf
fic_light_rviz_plugin/src/traffic_light_publish_pane
l.cpp:28:
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreMath.h:70:17: note: because 'Ogre::Radian'
has user-provided 'Ogre::Radian&
Ogre::Radian::operator=(const Ogre::Radian&)'
70 | Radian& operator = ( const Radian& r ) { mRad =
r.mRad; return *this; }
| ^~~~~~~~
In file included from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector3.h:1,
from
```

```
                        /opt/ros/galactic/include/rviz_common/frame_mana
                        ger_iface.hpp:45,
                 from
                        /opt/ros/galactic/include/rviz_common/display_cont
                        ext.hpp:42,
                 from
                        /home/avner/CARLA_AUTOWARE_project/autoware
                        /src/universe/autoware.universe/common/tier4_traf
                        fic_light_rviz_plugin/src/traffic_light_publish_pane
                        l.cpp:28:
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h: In member function
'Ogre::Quaternion Ogre::VectorBase<3,
float>::getRotationTo(const Vector3&, const
Vector3&) const':
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h:835:32: warning: implicitly-
declared 'constexpr
Ogre::Quaternion::Quaternion(const
Ogre::Quaternion&)' is deprecated [-Wdeprecated-
copy]
  835 | return Quaternion::IDENTITY;
      | ^~~~~~~~
In file included from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h:39,
                 from
                        /opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
                        E/OgreVector3.h:1,
                 from
                        /opt/ros/galactic/include/rviz_common/frame_mana
                        ger_iface.hpp:45,
                 from
                        /opt/ros/galactic/include/rviz_common/display_cont
                        ext.hpp:42,
                 from
                        /home/avner/CARLA_AUTOWARE_project/autoware
                        /src/universe/autoware.universe/common/tier4_traf
                        fic_light_rviz_plugin/src/traffic_light_publish_pane
                        l.cpp:28:
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreQuaternion.h:176:28: note: because
```
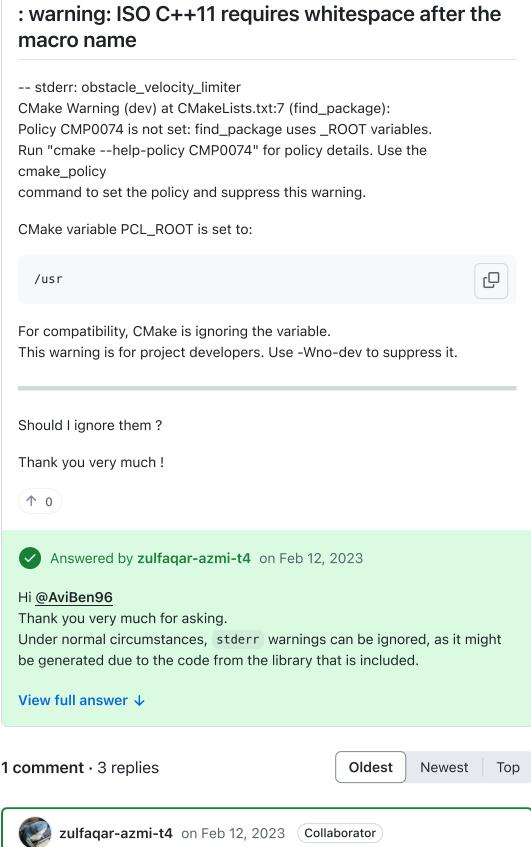
'Ogre::Quaternion' has user-provided
'Ogre::Quaternion& Ogre::Quaternion::operator=
(const Ogre::Quaternion&)'
176 | inline Quaternion& operator= (const
Quaternion& rkQ)
| ^~~~~~~~
In file included from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector3.h:1,
from
/opt/ros/galactic/include/rviz_common/frame_mana
ger_iface.hpp:45,
from
/opt/ros/galactic/include/rviz_common/display_cont
ext.hpp:42,
from
/home/avner/CARLA_AUTOWARE_project/autoware
/src/universe/autoware.universe/common/tier4_traf
fic_light_rviz_plugin/src/traffic_light_publish_pane
l.cpp:28:
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h:853:16: warning: implicitly-declared
'constexpr Ogre::Quaternion::Quaternion(const
Ogre::Quaternion&)' is deprecated [-Wdeprecated-
copy]
853 | return q;
| ^
In file included from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector.h:39,
from
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGR
E/OgreVector3.h:1,
from
/opt/ros/galactic/include/rviz_common/frame_mana
ger_iface.hpp:45,
from
/opt/ros/galactic/include/rviz_common/display_cont
ext.hpp:42,
from
/home/avner/CARLA_AUTOWARE_project/autoware
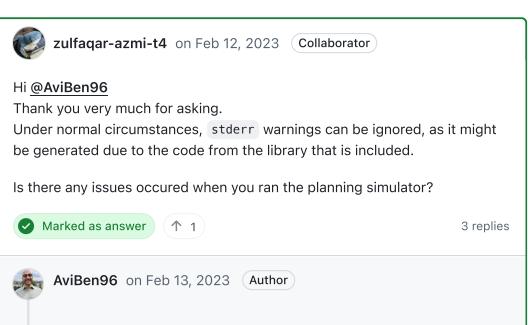/src/universe/autoware.universe/common/tier4_traf

fic_light_rviz_plugin/src/traffic_light_publish_panel.cpp:28:
/opt/ros/galactic/opt/rviz_ogre_vendor/include/OGRE/OgreQuaternion.h:176:28: note: because 'Ogre::Quaternion' has user-provided 'Ogre::Quaternion& Ogre::Quaternion::operator= (const Ogre::Quaternion&)'
176 | inline Quaternion& operator= (const Quaternion& rkQ)
| ^~~~~~~~

--- stderr: elevation_map_loader
** WARNING ** io features related to openni will be disabled
** WARNING ** io features related to openni2 will be disabled
** WARNING ** io features related to pcap will be disabled
** WARNING ** io features related to png will be disabled
** WARNING ** io features related to libusb-1.0 will be disabled

Finished <<< elevation_map_loader [2min 40s]
[Processing: accel_brake_map_calibrator, behavior_path_planner, behavior_velocity_planner, control_performance_analysis, detection_by_tracker, image_projection_based_fusion, obstacle_velocity_limiter, operation_mode_transition_manager, planning_debug_tools, planning_evaluator, tier4_debug_tools, tier4_planning_rviz_plugin, trajectory_follower_nodes]
--- stderr: image_projection_based_fusion
: warning: ISO C++11 requires whitespace after the macro name
: warning: ISO C++11 requires whitespace after the macro name
: warning: ISO C++11 requires whitespace after the macro name

: warning: ISO C++11 requires whitespace after the macro name

-- stderr: obstacle_velocity_limiter
CMake Warning (dev) at CMakeLists.txt:7 (find_package):
Policy CMP0074 is not set: find_package uses _ROOT variables.
Run "cmake --help-policy CMP0074" for policy details. Use the
cmake_policy
command to set the policy and suppress this warning.

CMake variable PCL_ROOT is set to:

```
/usr
```

For compatibility, CMake is ignoring the variable.
This warning is for project developers. Use -Wno-dev to suppress it.

Should I ignore them ?

Thank you very much !

↑ 0

✓ Answered by **zulfaqar-azmi-t4** on Feb 12, 2023

Hi **@AviBen96**
Thank you very much for asking.
Under normal circumstances, `stderr` warnings can be ignored, as it might
be generated due to the code from the library that is included.

View full answer ↓

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1 comment · 3 replies

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zulfaqar-azmi-t4 on Feb 12, 2023 (Collaborator)

Hi **@AviBen96**
Thank you very much for asking.
Under normal circumstances, `stderr` warnings can be ignored, as it might
be generated due to the code from the library that is included.

Is there any issues occured when you ran the planning simulator?

✓ Marked as answer   ↑ 1   3 replies

AviBen96 on Feb 13, 2023 (Author)

Thank you very much for your quick answer ! So I should be able to safely ignore those 22 packages warning ?

I am still on very basing uses but everything seems to build and work fine for the moment ! Thank you :)

zulfaqar-azmi-t4 on Feb 14, 2023   Collaborator

> So I should be able to safely ignore those 22 packages warning

Yes. It is safe to ignore them for normal use cases.
A few of these are compiler related warnings which warns about code quality etc.

We tried to reduced them on Autoware side by performing clang-tidy check etc.

AviBen96 on Feb 14, 2023   Author

Great thank you very much !

Answer selected by **zulfaqar-azmi-t4**