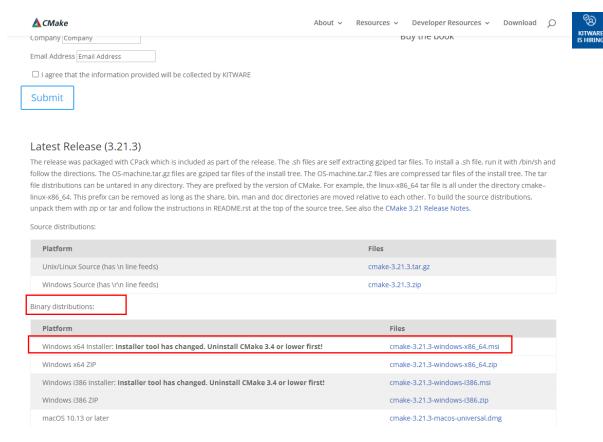
How to compile solution with CMake?

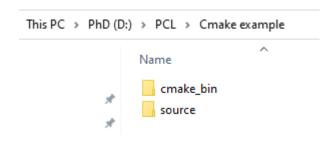
Step 1: download CMake

https://cmake.org/download/

select and download "Binary distributions - platform - Windows x64 Installer"

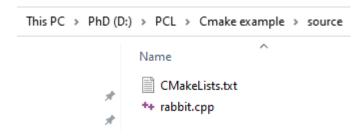


Step 2: create two folders under your path



- 1) The first folder named "source"
- 2) The second folder named "cmake_bin"

Step 3: add name.cpp file and CMakeLists.txt file in source



- 1) Here, we use rabbit.cpp as the C++ example code
- 2) Create a text file named "CMakeLists.txt"
- 3) Write settings in CMakeLists.txt: check the words in red. Add_executable's names and target_link_libraries' name must be the same.

```
*CMakeLists.txt - Notepad
 File Edit Format View Help
 cmake_minimum_required(VERSION 3.5 FATAL_ERROR)
 project(rabbit)
 find_package(PCL 1.12.0 REQUIRED)
 include_directories(${PCL_INCLUDE_DIRS})
 link directories(${PCL LIBRARY DIRS})
 add_definitions(${PCL_DEFINITIONS})
 add_executable (rabbit rabbit.cpp)
 target_link_libraries (rabbit ${PCL_LIBRARIES})
cmake_minimum_required(VERSION 3.5 FATAL_ERROR)
project(rabbit)
find_package(PCL 1.12.0 REQUIRED)
include_directories(${PCL_INCLUDE_DIRS})
link_directories(${PCL_LIBRARY_DIRS})
add_definitions(${PCL_DEFINITIONS})
add_executable (rabbit rabbit.cpp)
target_link_libraries (rabbit ${PCL_LIBRARIES})
```

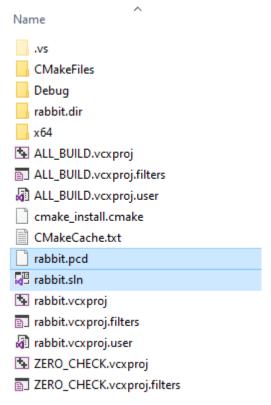
Step 4: Compile with CMake

- 1) Open CMake by "run as administrator"
- 2) Select "source code" path and "where to build the binaries" path



- 3) Click "configure", select SV 2019 and X64
- 4) Click "generate"

- 5) If it shows "configuration down" and "generation down", then close CMake
- 6) The cmake_bin folder should look like this:



7) Make sure you put point cloud file under this folder: rabbit.pcd

Step 5: Run and Check

8) Open "rabbit.sln" file, "ctrl+F5" to debug the code

Reference:

https://pointclouds.org/documentation/tutorials/using_pcl_pcl config.html#using-pcl-pcl-config