



how to compile and install poco cpp library on ubuntu 16.04

poco

cpp

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- [how to compile and install poco cpp library on windows](#)
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Guide

apt-get





all by apt-get but we can not find package (Poco) because it is not in the repository

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/usr/local/lib/cmake/Poco/PocoConfig.cmake installed.

```
sudo apt-get install libpoco-doc libpoco-dev
```

compile from source

```
wget https://pocoproject.org/releases/poco-1.8.1/poco-1.8.1.tar.gz
```

```
#Install dependences
```

```
sudo apt-get install openssl libssl-dev
```

```
sudo apt-get install libiodbc2 libiodbc2-dev
```

```
sudo apt-get install libmysqlclient-dev
```

```
cd poco-1.8.1
```

```
#sudo ./configure --omit=Data/ODBC,Data/MySQL --no-tests --no-samples --shared
```

```
cd build
```

```
cmake-gui ..
```

```
sudo make -j8
```

```
sudo make install
```

OK. we install headers to /usr/local/include/Poco and libraries to /usr/local/lib/

```
$ ls /usr/local/libPoco*.so
```

```
/usr/local/lib/libPocoFoundation.so /usr/local/lib/libPocoNet.so
```

```
/usr/local/lib/libPocoXML.so
```

```
/usr/local/lib/libPocoJSON.so /usr/local/lib/libPocoUtil.so
```

we install cmake files to /usr/local/lib/cmake/Poco

```
$ ls /usr/local/lib/cmake/Poco
```

PocoConfig.cmake

PocoJSONTTargets.cmake





PocoUtilTargets.cmake

PocoFoundationConfig.cmake

PocoUtilTargets-release.cmake

PocoFoundationConfig.cmake

PocoXMLConfig.cmake

PocoFoundationConfigVersion.cmake

PocoXMLConfigVersion.cmake

PocoFoundationTargets.cmake

PocoXMLTargets.cmake

PocoFoundationTargets-release.cmake

PocoXMLTargets-release.cmake

PocoJSONConfig.cmake

PocoJSONConfigVersion.cmake

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PocoNetConfig.cmake

PocoNetConfigVersion.cmake

PocoNetTargets.cmake

PocoNetTargets-release.cmake

PocoUtilConfig.cmake

PocoUtilConfigVersion.cmake

Example

CMakeLists.txt

```
cmake_minimum_required (VERSION 2.6)
```

```
project (event_demo)
```

```
enable_language(C)
```

```
enable_language(CXX)
```

```
# Always include the source and build directories in the include path.
```

```
set(CMAKE_INCLUDE_CURRENT_DIR ON)
```

```
# Set the output folder where your program will be created
```

```
set(CMAKE_BINARY_DIR ${CMAKE_SOURCE_DIR}/bin)
```

```
set(EXECUTABLE_OUTPUT_PATH ${CMAKE_BINARY_DIR})
```

```
set(LIBRARY_OUTPUT_PATH ${CMAKE_BINARY_DIR})
```





Find Poco package 1.8.1

Find package (Poco) REQUIRED COMPONENTS Foundation Util Net XML JSON

```
# no Poco_INCLUDE_DIRS, we have to set by hand
if(MSVC) # WIN32
    SET(Poco_INCLUDE_DIRS "C:/Program Files/Poco/include")
else()
    SET(Poco_INCLUDE_DIRS "/usr/local/include/Poco")
endif(MSVC)

MESSAGE( [Main] " Poco_INCLUDE_DIRS = ${Poco_INCLUDE_DIRS}")
MESSAGE( [Main] " Poco_LIBRARIES = ${Poco_LIBRARIES}")

# The following folder will be included
include_directories(
    ${MY_SRC_INCLUDE}
    ${Poco_INCLUDE_DIRS}
)

link_directories(${CMAKE_BINARY_DIR})

add_executable(event_demo event_demo.cpp)
target_link_libraries(event_demo ${Poco_LIBRARIES})
```

Reference

- [compile poco on ubuntu](#)
- [install and compile poco on ubuntu](#)
- [find poco](#)
- [FindPoco.cmake](#)
- [cmake-cannot-find-custom-module](#)
- [poco cmake](#)

History

- 20180222: created.

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