



How I Build a MySQL plugin for QT5 (Windows, MinGW32)

#qt5 #mysql #plugin



kiran thilak Oct 21, 2019 • 2 min read

1. Download MySQL C Connector v6.1.

Download the MySQL Installer from:

<https://dev.mysql.com/downloads/installer/>

Install C Connector 6.1 (Note the location we will need it later)

2. Getting QT Source Ready

To build a plugin for QT u need to get its source. You can install it from Maintenance Tool or manually get it from github repository.

3. Building Plugin

1. Open MinGW CMD (Windows -> Start Menu -> Programs -> Qt 5.13.1 -> 5.13.1-> MinGW 7.3.0 (32-bit) -> Qt 5.13.1 (MinGW 7.3.0 32-bit))

2. cd to sqldrivers path in qt source

```
cd D:\\QT\\Qt5.13.1\\5.13.1\\Src\\qtbase\\src\\plugins\\sqldrivers
```



```
cd D:\QT\Qt5.13.1\5.13.1\Src\qtbase\src\plugins\sqldrivers\mysql
```

1. Run qmake here. qmake mysql.pro

4. Add the plugin to the list

Once successfully build you will find qsqlmysql.dll and qsqlmysqld.dll in the following location

```
D:\QT\Qt5.13.1\5.13.1\Src\qtbase\src\plugins\sqldrivers\plugins\sqldrivers
```

Copy both qsqlmysql.dll and qsqlmysqld.dll and place them in the compiler's plugin directory

```
D:\QT\Qt5.13.1\5.13.1\mingw73_32\plugins\sqldrivers
```

Error in Building?

1. Library 'mysql' is not defined.

In file cd

```
D:\QT\Qt5.13.1\5.13.1\Src\qtbase\src\plugins\sqldrivers\mysql\mysql.pro
```

Commend the line `QMAKE_USE += mysql`

2. Adding Library path and Include path.

Add the following to mysql.pro at end

```
LIBS += -L'C:/Program Files (x86)/MySQL/MySQL Connector C 6.1/lib/'  
-llibmysql
```

```
INCLUDEPATH += 'C:/Program Files (x86)/MySQL/MySQL Connector C 6.1/include'
```

```
DEPENDPATH += 'C:/Program Files (x86)/MySQL/MySQL Connector C 6.1/include'
```

3. QSqlDatabase: QMYSQL driver not loaded

Add the .dll files from C:/Program Files (x86)/MySQL/MySQL Connector C 6.1/lib to
D:\QT\Qt5.13.1\5.13.1\mingw73_32\bin

Posted on Oct 21 '19 by:



kiran thilak

@f1r361rd



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