
Subject: Re: Cannot compile MYSQL project
Posted by [mirek](#) on Thu, 23 Jan 2020 17:31:53 GMT
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forlano wrote on Thu, 23 January 2020 17:39Hello Mirek,

thanks for the reply.

I already tried to remove the PLATFORM_POSIX but no success.

This is the full error message:

```
/Users/mac/upp.src/uppsrc/mysql/mysql.h (18): warning: non-portable path to file
'<MySql/MySql.h>'; specified path differs in case from file name on disk
[-Wnonportable-include-path]
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (1): In file included from
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp:1:
(): #include <mysql/mysql.h>
(): <MySql/MySql.h>
/Users/mac/upp.src/uppsrc/mysql/mysql.h (46): error: unknown type name 'MYSQL'
/Users/mac/upp.src/uppsrc/mysql/mysql.h (75): error: unknown type name 'MYSQL'
/Users/mac/upp.src/uppsrc/mysql/mysql.h (68): error: use of undeclared identifier 'MYSQL_PORT'
/Users/mac/upp.src/uppsrc/mysql/mysql.h (84): error: cannot initialize object parameter of type
'Upp::SqlSession' with an expression of type 'Upp::MySqlSession'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (24): error: unknown type name 'MYSQL'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (26): error: unknown type name 'MYSQL_RES'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (27): error: unknown type name 'MYSQL_ROW'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (39): error: unknown type name 'MYSQL'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (50): error: use of undeclared identifier
'mysql_library_init'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (54): error: use of undeclared identifier
'mysql_library_end'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (59): error: expected expression
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (59): error: use of undeclared identifier 'MYSQL'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (64): error: no matching constructor for initialization
of 'Upp::Sql'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (103): error: use of undeclared identifier
'MYSQL_PORT'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (142): error: cannot initialize object parameter of
type 'Upp::SqlSession' with an expression of type 'Upp::MySqlSession'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (172): error: out-of-line definition of 'Begin' does not
match any declaration in 'Upp::MySqlSession'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (216): error: no matching constructor for initialization
of 'Upp::Sql'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (225): error: no matching constructor for initialization
of 'Upp::Sql'
/Users/mac/upp.src/uppsrc/MySql/MySql.cpp (234): error: no matching constructor for initialization
of 'Upp::Sql'
```

You get the same if you try to compile the mysql package test case coming with U++.

Googling on internet I did several things (there is no unanimous agreement)

1) upgrade brew

```
brew update --verbose
```

it may takes some minute to upgrade everything (at least on my Mac mini)

2) installed several libraries, one by one because each of them didn't work

```
brew install mysql-connector-cc
```

```
brew install mysql-connector-c
```

```
brew install mysql-client
```

At the end I had a MYSQL folder in

```
/usr/local/Cellar/mysql
```

```
/usr/local/Cellar/mysql-client
```

```
/usr/local/Cellar/mysql-connector-c++
```

```
/usr/local/opt/mysql
```

each one with their include and lib folder.

I tried to point theide in all includes but with no luck.

I hope this info can be useful.

thanks,

Luigi

I think that clang cannot find the right include and for that reason replaces it with a wrong one.

What are your include paths in the build method? I bet it will be one level off. Include paths must at some point pick mysql/mysql.h from the client library you have installed.

Mirek
