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How ...

X Chiudi

Postato da u/GreenGlider 5 anni fa

## How to Connect Swift to MySql

Ok, so I started playing with Swift and I love what I see, powerful and beautiful both on the server and on the client, what's not to love? I see a great future for Swift and want to dedicate all my effort to master it, did some tutorials and ready to move to the major leagues.

Question of the day: how to connect my OSX app to MySQL, or Postgres, SQLite, Oracle or any other database? I want to start playing with data and would like to know the easiest way to make a simple connection to fetch some data. I already have MySQL, Postgres and Sqlite installed.



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u/Varqu · Promozione

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**Ordina Per: Migliori** ▼GreenGlider **OP** · 5anni

To clarify some important points, these libraries are not meant for use in iOS on mobile apps, only in Mac apps for enterprise applications and server side stuff, for mobile apps



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1. Grab libmysqlclient
2. Drop it somewhere
3. Embed it somewhere else
4. Call `mysql.connect(yadda, yadda)` from your beautiful swift program

Or something like that

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TheShitHitTheFanBoy · 5 anni

You really shouldnt connect to an external SQL server from a production app. That should be done via an API. If you only need the data to be locally available I recommend you to take a look at Sqlite. Works on both OSX and iOS. Look for a Swift wrapper around the C-API.

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It has been extremely painful to find information about that, for SQLite all I found was to link `libsqlite3.dylib` and use an Obj-C bridging-header file with an import `'sqlite3.h'` clause. Even the `sqlite.swift` library does that and all libs I found on github do that too including swift on the server.

I'd like to know if there are other options. Thanks anyway.

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Thanks for all the help, here is what I found:

SWIFT DATA CONNECTION

Using the Swift Package Manager



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POSTGRESQL uses libpq

<https://github.com/stepanhruda/PostgreSQL-Swift>

.Package(url: "<https://github.com/stepanhruda/PostgreSQL-Swift.git>", majorVersion: 0)

<https://github.com/PerfectlySoft/Perfect-PostgreSQL>

.Package(url: "<https://github.com/PerfectlySoft/Perfect-PostgreSQL.git>", majorVersion: 2, minor: 0)

SQLITE uses libsqlite3

<https://github.com/PerfectlySoft/Perfect-SQLite>

.Package(url: "<https://github.com/PerfectlySoft/Perfect-sqlite3-support.git>", majorVersion: 2, minor: 0)

ORACLE uses libsqlplus

<https://github.com/ZewoGraveyard/SwiftOracle>

<https://github.com/vrogier/ocilib>

I hope noobs like me find this information useful.

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rfdickerson · 5anni

This might not answer your question since I think you want macOS client-side- but on the server-side, we use Vapor's MySQL client. <https://github.com/vapor/mysql>. And numerous other database libraries, too.

We have an example TodoList that uses Kitura and MySQL: <https://github.com/IBM-Swift/todolist-mysql>

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GreenGlider OP · 5anni

That's exactly the info I was looking for. I already checked



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