SQLmy for FlagShip and My-SQL
AllControl
Alejandro Fernández Herrero
Product Manager

Foremost

From release 0.09 SQLmy isn't open software, although it will remains in source code distribution, this code is copyrighted. We encourage you to read EULA (End User License Agreement).

1. Introduction

1.1. What is SQLmy?

SQLmy is an API consisting of four functions that may be dynamic linked to a FlagShip program. These functions allow you to communicate with a My-SQL database from within a FlagShip program.

1.2. Why use SQLmy?

Although the FlagShip compiler includes a powerful and efficient database, there are many reasons why you may prefer to store your data external to FlagShip. For example, if you are porting a legacy application that previously used an SQL database, it may be easier to load the data into a MySQL database and reuse the already tested SQL to access it rather than to convert the data and all queries to the FlagShip environment. You may also find it easier to access data from C or Perl programs if it is stored in a MySQL database.
Although it is not impossible to access FlagShip databases from C or other languages, the simple C API of MySQL as well as its interactive mysql utility provide great ease and flexibility of access.
Finally, manipulating multiple tables of a relational database using a high-level language such as SQL is often conceptually simpler than writing explicit loops as required in the Clipper/FlagShip environment.

Of course, there are trade-offs to consider when using a high-level language such as SQL and an external database. A FlagShip program accessing data in a native FlagShip database will almost always outperform the corresponding FlagShip program accessing data in an external database. Nevertheless, My-SQL performs reasonably well when accessing even large data tables; and when used in conjunction with the FlagShip compiler, provides the programmer with a very potent database server as well as the tools to write efficient and attractive client applications.

1.3. What versions of FlagShip and MySQL work on?

Due to SQLmy is distributed in source code you can compile with any version of FlagShip and MySQL. Remember you have to have the MySQL develop package.

1.4 What OS does it work?

It has been proved in Linux of course and most of the Unices. Now we are trying to certificate under Windows.

1.5. How is SQLmy delivered?

The six functions making up SQLmy are encapsulated in an object file (sqlmy.o), generated from a Makefile. You must link this file directly to your FlagShip program, the client library it was link with sqlmy.o, too.
The files making up SQLmy are in a gzipped tar file called SQLmy0.09.tgz.

1.6 SQLmy is in beta?

SQLmy is very robust. All the bug reported and discover have been fixed. But we still consider this soft under beta phase. But this year (Q4-2007) we will be pass to production phase.

1.7 What about the Roadmap?

We are working to improve SQLmy.
- From version 0.09 (commercial) SQLmy comes, beside the API, whit a migration tool to make easy the data migration from legacy systems. This is a must app if it have to coexist old and new data store technologies. And best of all you can automate this process.
- Up to now blob field are not supported, but we are working on it to work around this.
- We are working to add another BD support.

1.8 Does it come with support included?

Yes :). If you have any problem to install and integrate it to your project, we offer e-mail assistance. Up to three event is free of charge.

1.9 What kind of license are applied to SQLmy?

It's copyrighted, although you receive source code, to copy to unauthorized person is prohibited. You need a license for a server in production mode. It's royalty free, so you can distribute your code with SQLmy library.

1.10 What is AllControl?

AllControl is the mother company of SQLmy. We are dedicated to develop software components under several language. There is a Control Department who develop Control System. Linux is one of the most used OS, so we have a high degree of confidence on it. Don't hesitate in contact us at technology@allcontrol.com.ar.

1.11 We offer you consultant

AllControl have a deep know in FlagShip and SQLmy. We know how to coexist in the same program access to xBase and MySQL in a redundancy manner to do a progressive migration. We offer you not only "words" but hands-on in your projects. If you are developing a project and need a company to develop part of your solution we develop software component to be included in your systems. Remember we have more than 10 years of FlagShip experience. As I said before we offer you hands-on experience.

1.12 What company are using SQLmy?

Have been downloaded by hundred of people all over the world. Industrial, pharmaceutical,

engineering, health care, etc. companies. Some of them are using under mission critical like a factory who make airbag for car industries.

   1.13 How much does it cost?
    SQLmy cost €59.90.

   1.14 How to buy SQLmy?

  By now, we are working via PayPal. It's easy and practical to use. For any assistance write us at sales@allcontrol.com.ar