

QSqlMonitor

*Author: Radu Fiser
Subject: Open Source programming
Faculty of Electrical Engineering
Czech Technical University in Prague*

Description of the project

Name: QsqlMonitor

Description: OpenSource Qt GUI tool for SQL server administration. Supports Firebird, MySQL, SQLite, PostgreSQL database servers

Developer: Ing. František Vacek

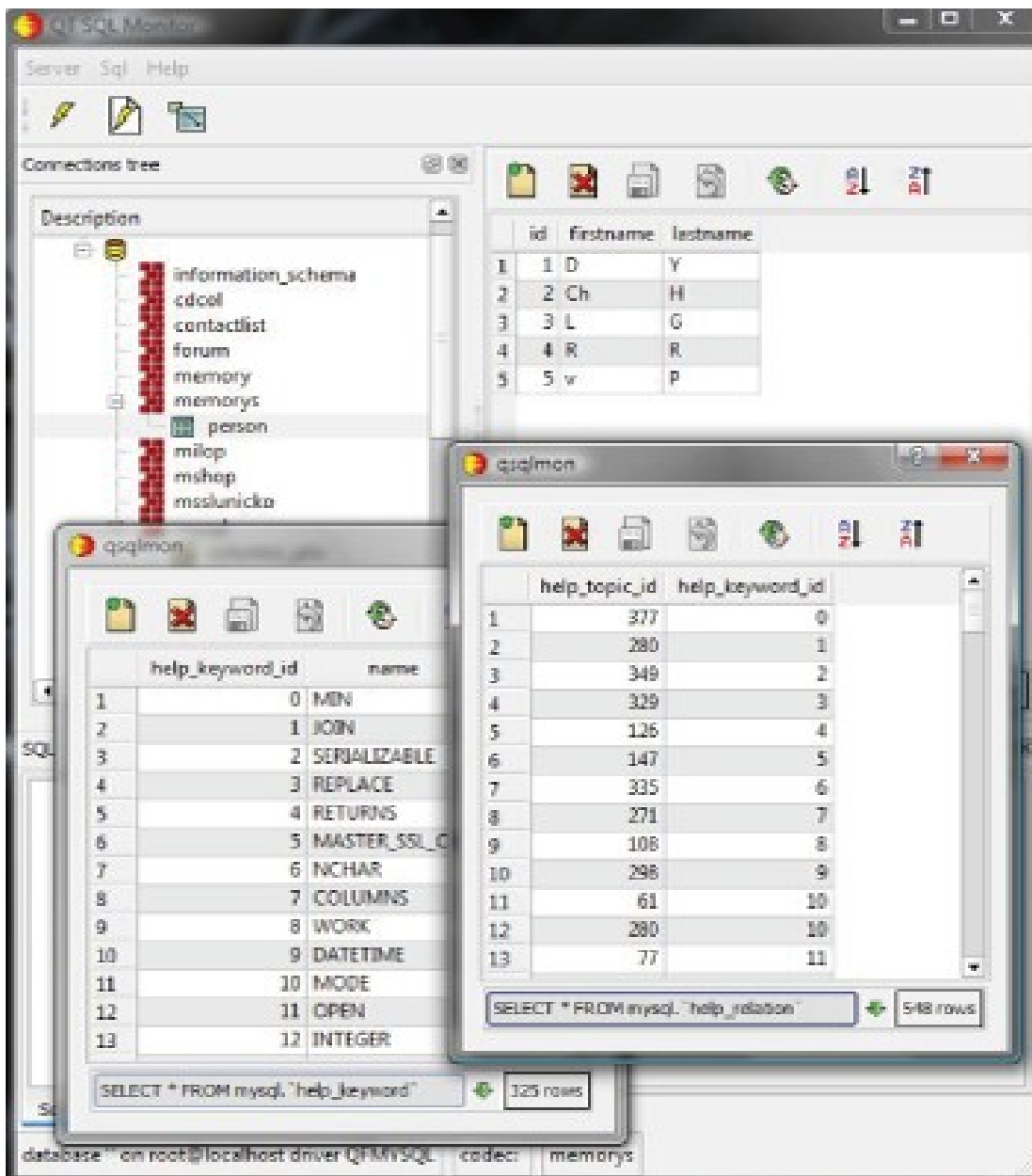
Version: 1.3

Homepage:

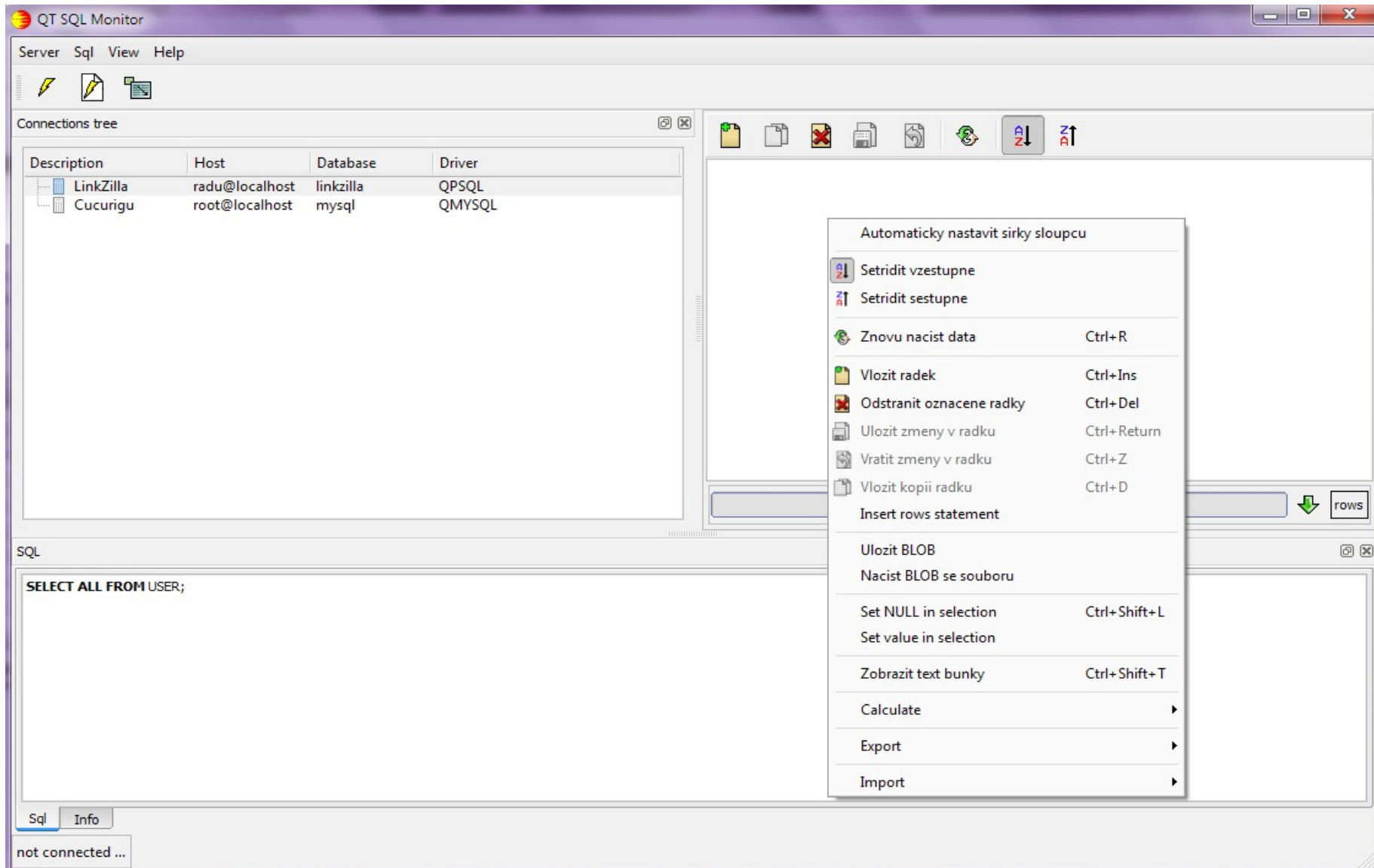
<http://sourceforge.net/projects/qsqlmon/>

QSqlMon can do?

- Connect to database(MySQL, Sqlite, PostgreSQL, Firebird)
- Manage database tables
- Run SQL queries and scripts
- Visualize SQL queries results in datagrids
- Inline edition of the data form datagrids and saving of changes to database(delete, add rows)
- Exports data from datagrids to CVS, HTML, XML



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Technical details

- Qt toolkit <http://qt.nokia.com/>
- C++
- Mingw for win32
- Multiplatform(Windows, Linux)

Task description

- Design *.rpm (Red Hat, Centos, Fedora, openSUSE) install packages
- Design *.deb install packages (Debian, Ubuntu, Kubuntu)

Building manually application

Problems encountered:

- project had compile errors
- project contains absolute path to dependencies it needs
- design errors (a custom QSqliteDriver was extended from the class `<QtSql/private/qsqlcachedresult_p.h>` which is not part of Qt API)

Building rpm install packs (1)



BUILD



RPMS



SOURCES



SPECS



SRPMS

Building rpm install packs (2)

qsqlmon.spec presentation

Evaluation results

- Created unique *qsqlmon.spec* file that give possibility to create *.rpm install packages for Fedora, Red Hat, CentOS, openSUSE.
- Created and installed successfully rpms Fedora 12(32bit and 64 bit), openSUSE 11.2

Future work

- Creation of *.deb install packaged
- Change of qsqlmon.pro according to new task