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Subject: Re: U++ talk

Posted by [amrein](#) on Thu, 04 Sep 2008 11:38:25 GMT

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There is no way I as a normal user am installing MySQL, Sqlite3 and the other client so that I can install a .so for U++.

No need to. Same goes for Qt, wxWindows, Gnomedb, Kde, Gambas, ...

What goes for them? I am lost

He said: if I install U++ dynamic libraries, I don't want all database to be installed. I reply "No need to". Other libraries have solutions to solve this.

When you install those dynamic libraries, there is no dependencies with the database. You don't need to install any of them. The database plugins (with database dependencies) are separated from the main package:

```
# urpmq --list | grep qt3 | sort
```

```
libqt3
libqt3-devel
libqt3-mysql
libqt3-odbc
libqt3-psql
libqt3-sqlite
libqt3-static-devel
libqt3support4
qt3-assistant
qt3-common
qt3-doc
qt3-example
qt3-linguist
qt3-tutorial
```

I mean, there is no rpm/deb dependencies between your application and the database binary as long as you don't link against one of those plugins. Database connections are done at runtime with the plugins and only if those database are available. Your application can list dynamically all available database plugins. You only need headers and libs from MySQL, Sqlite, ... when you build all packages from U++.

Examples:

In Qt3, If your application need ODBC only, you need to install libqt3-odbc and its dependencies

(libqt3-odbc needs libqt3 and libunixODBC1).

Gambas goes farer: its plugins doesn't install database dependencies. They try to load those dependencies at runtime and if your program ask for MySQL, the plugin can answer "MySQL lib not available" or "Good, it's there, I load it".

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