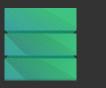
KEXI & PostgreSQL





Hello!



Jarosław Staniek (jarek)
Software enginneer @Warsaw, Poland

1994: Started with MS Access based custom apps

1998: Some PostgreSQL-based products

2003: Started FOSS contributions (KDE)

20 years of specialization:

C++/Qt/GUIs/data-driven apps



What's KEXI? – assumptions

Visual db <u>applications</u> creation

- For less technical people working with <u>data</u>: processing, analysing and presenting it
- Should still please engineers!



KEXI = Multiple Visual Tools in One

- Table/query/SQL/form/report visual designers
- Flexible grid & form data views
- <u>Reports</u> previewing, printing, document generation (the engine forked from *xTuple OpenRPT*)
- Data/design <u>migration</u> between databases, strong <u>CSV</u> support



DEMO



MORE to Be Released

- Scripting (modern sandboxed JavaScript)
- Macros (as in MS Access)
- Mobile and Web integration



KEXI – Special Features

•SQL-dialect-agnostic

- "ODBC on steroids" → "parses input and generates SQL"
- Ability of knowing PostgreSQL specifics instead of flattening everything the ODBC way
- Supports SQLite for file-based DBs, MySQL and PostgreSQL
- (support for xBase, MSSQL/Sybase, Oracle, ODBC depends on demand)



Other Properties

- Largely stable, lacks legacy code
- Multiplatform
- Spreadsheet-like but handles larger data sets than any spreadsheet software
- True offline and privacy mode by default



Who Makes KEXI

- 2002: founded by a 17 y.o. passionate
- 2003: I joined
- Until 2008 I was sponsored by a company
- No dedicated sponsors since 2008
- NOW: Probably the only actively developed <u>FOSS</u> software of the MS Access type...



KEXI Contributors

- Across the 15 years:
 - 11 regular contributors from many countries
- Several one-time contrubutions (Google Summer of Code, Code-in)
- Now: only 2 regular developers

 myself and Adam (UK)
 - + a small group of regular users who test

Problems

Workforce / funding → slow development



How Many Users?

 We had hundreds of unique support requests so maybe

up to several thousands



How Big is KEXI?

 $\sim \! 180 K$ physical lines of code (SLOC) with all its own frameworks (database, reporting...)

Mostly C++



Where From Here?

 Continue where MS Access / Filemaker / IBM Lotus Approach stopped



Topics to Discuss Today?

IMHO:
 Joining forces with the PostgreSQL community

- Finding common goals
- Consider sharing small subprojects



Q & A

THANKS !!!

http://kexi-project.org

