

KEXI & PostgreSQL



Hello!



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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 applications creation
- For less technical people working with data: processing, analyzing 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
- Reports previewing, printing, document generation
- (the engine forked from xTuple OpenRPT)
- Data/design migration between databases, strong CSV support

DEMO

MORE to Be Released

- Scripting (modern sand-boxed 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
- Multi-platform
- 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 FOSS software of the MS Access type...

KEXI Contributors

- Across the 15 years:

11 regular contributors from many countries

- **Several one-time contributions**

(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?

~180K 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>