

# KEXI & PostgreSQL



# Hello!



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Software engineer @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 applications creation
- For less technical people working with data: 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
- 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 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 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>