

Introduction

About myself

Been using Firebird since
first beta versions came out.

Also the author of FBExport
and FBCopy tools.



FlameRobin – what it IS

- ★ A graphical administration tool for Firebird
- ★ Small footprint
- ★ Cross platform
- ★ Built with open source tools and components



FlameRobin – What it is NOT

- ★ Full-featured tool
- ★ Does-it-all tool
- ★ Why not? ... FlameRobin goals are:
 - ★ Get beginners started with Firebird
 - ★ Provide a complete *nix administration GUI
 - ★ ...without emulation



Short History

- ★ Beginning of 2003, on Firebird mailing-lists
- ★ Need for graphical *nix tool
- ★ Paul Schmidt and co.
- ★ FBManager project at sf.net



Short History

- ★ Choice of programming language and connectivity library
 - ★ Java & JayBird
 - ★ Python & KinterbasDB
 - ★ PHP
 - ★ C++ & IBPP



Short History

- ★ Choice of GUI toolkit
 - ★ wxWidgets
 - ★ nCurses
 - ★ Qt
 - ★ Gtk



Short History

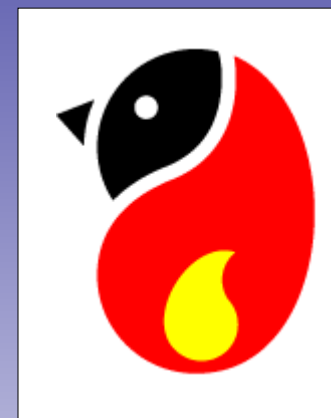
- ★ A real beginning
 - ★ January 2004. first code that works
 - ★ February 2004. Nando Dessena & Gregory Sapunkov join the project
 - ★ May 2004. project renamed to FlameRobin
 - ★ July 2004. first Alpha version is out
 - ★ October 2004. Michael Hieke joined



The Name and Logo



- ★ Name to resemble Firebird
- ★ Petroica Phoenicea
- ★ A small australian bird with...
- ★ ...bright orange breast and throat

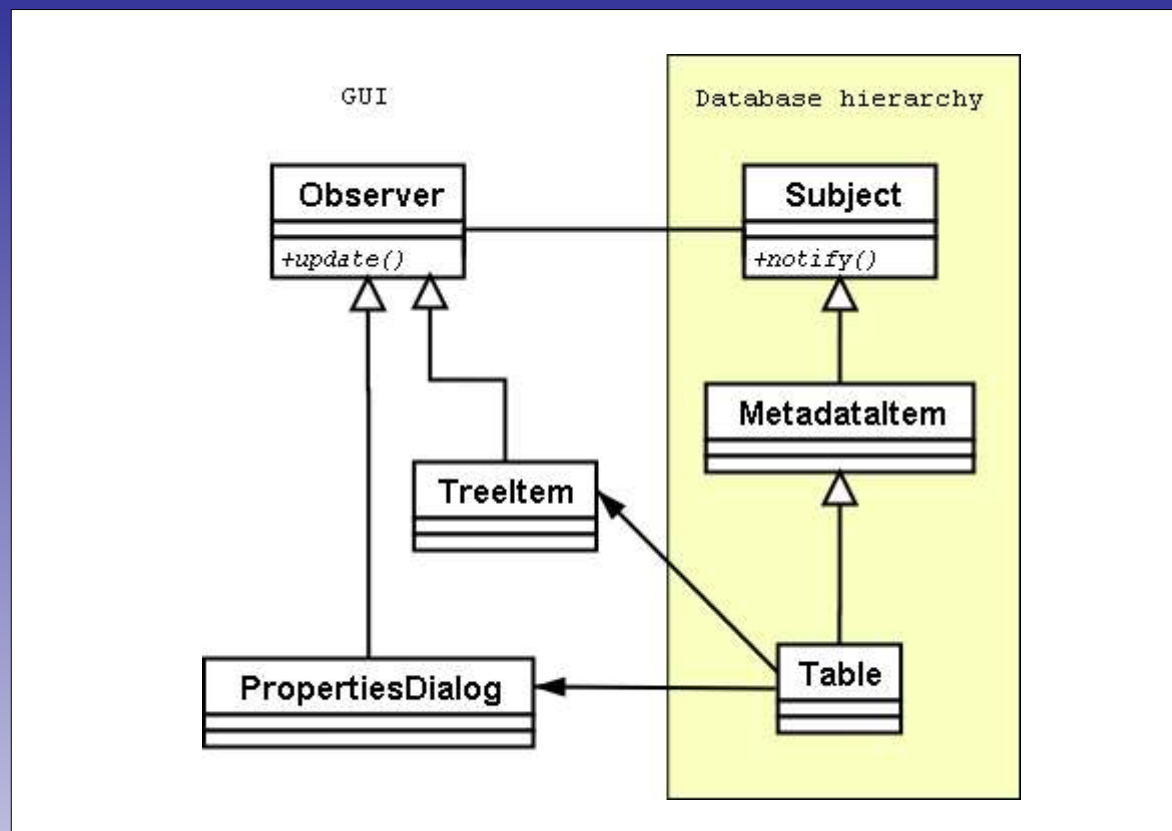


FlameRobin philosophy

- ★ Don't follow the crowd – innovate
 - ★ HTML properties windows (user editable)
 - ★ Always visible SQL statements
 - ★ Automatic synchronization of state in db and FR ...
 - ★ ...via Observer pattern



The Observer Pattern



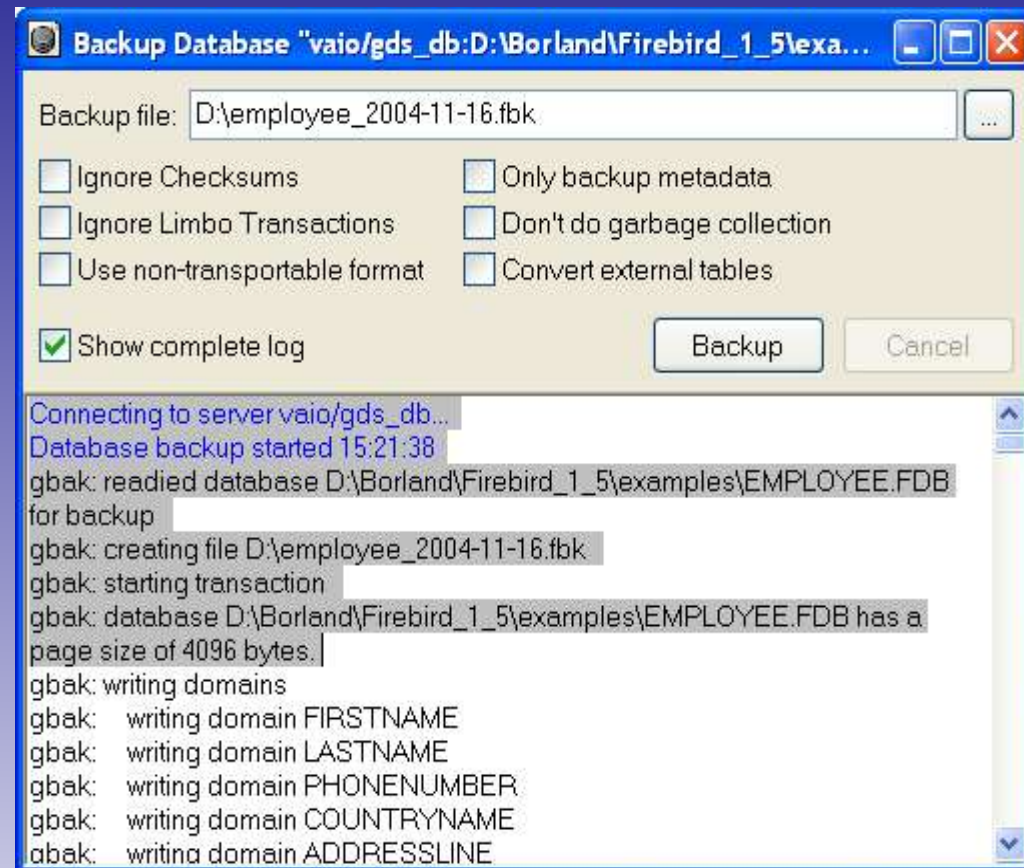
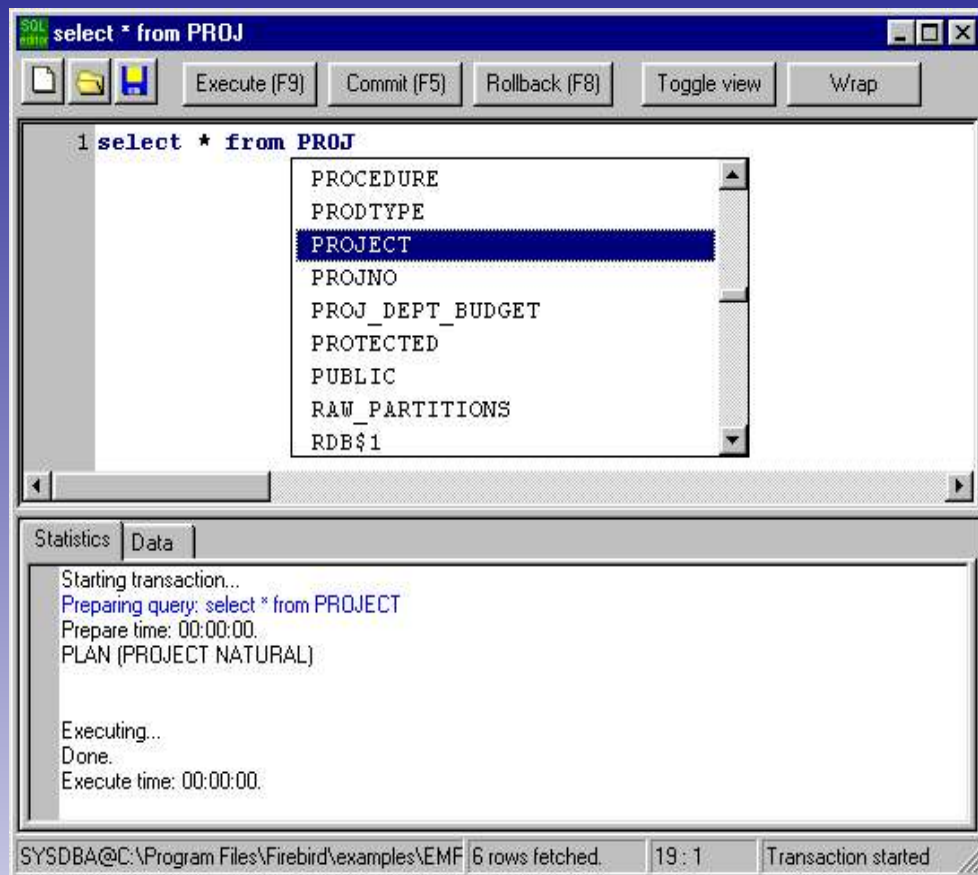
- ★ Parse SQL statements and update internal state

Current status

- ★ Still in Alpha
- ★ Latest release 0.4.0
- ★ Ports
 - ★ Win32
 - ★ Linux
 - ★ Mac OS X
 - ★ FreeBSD
 - ★ Solaris?



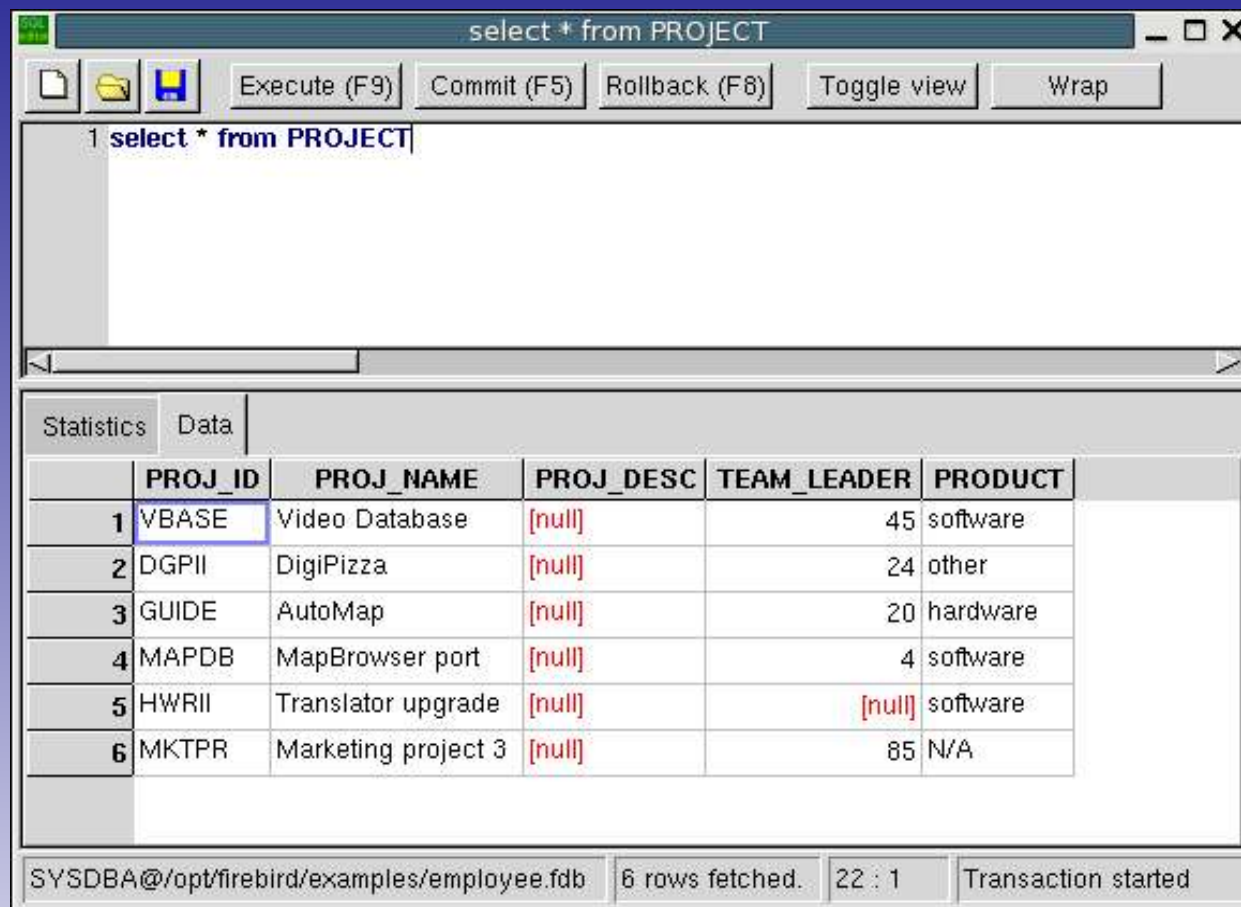
Win32 port



★ Windows 98, Me, 2000, NT, XP, 2003



Linux and FreeBSD ports



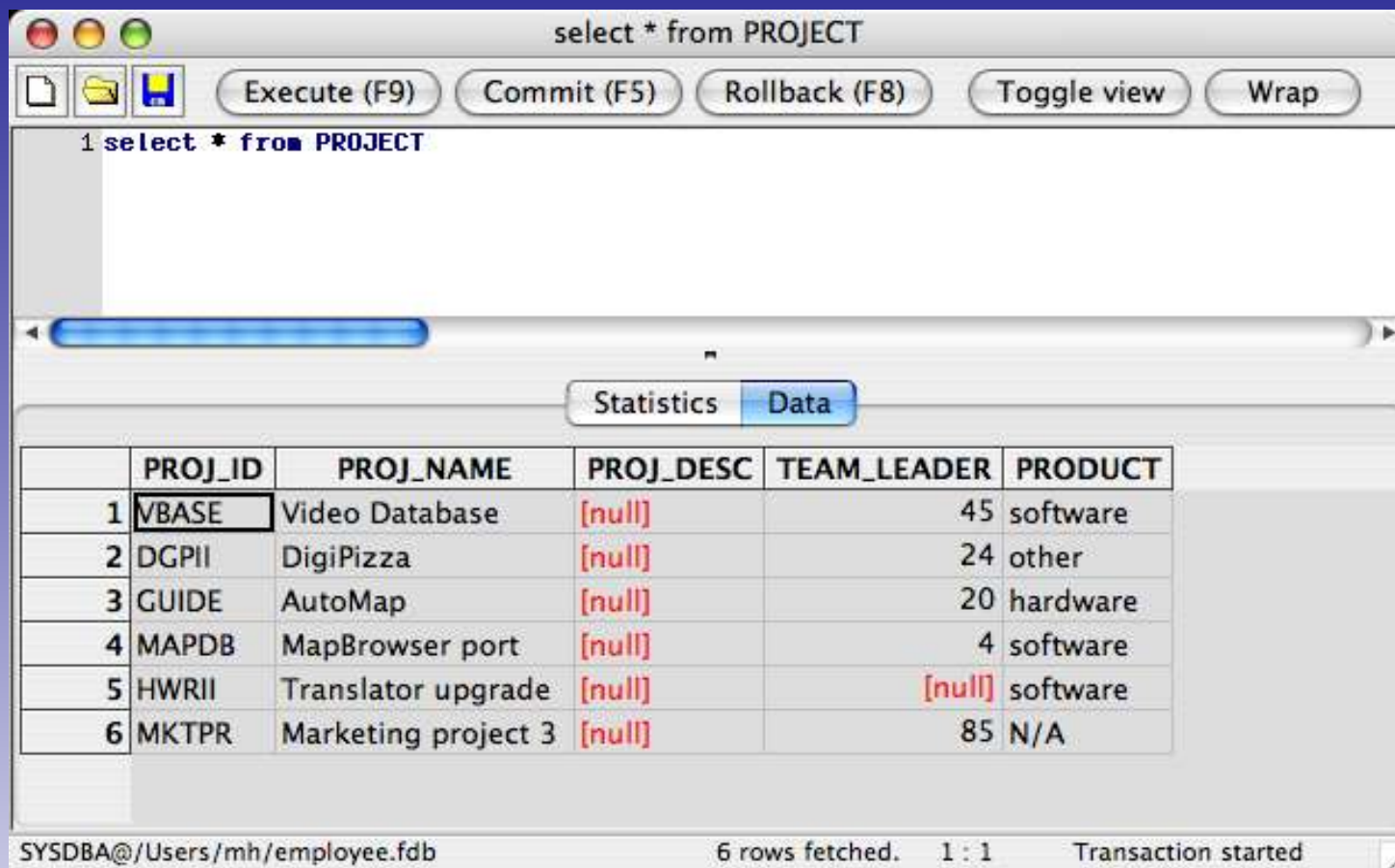
The screenshot shows the FlameRobin application window titled "select * from PROJECT". The toolbar includes buttons for "Execute (F9)", "Commit (F5)", "Rollback (F8)", "Toggle view", and "Wrap". The SQL editor contains the query "1 select * from PROJECT". Below the editor, the "Data" tab is active, displaying a table with 6 rows. The table has columns: PROJ_ID, PROJ_NAME, PROJ_DESC, TEAM_LEADER, and PRODUCT. The first row is highlighted. The status bar at the bottom shows "SYSDBA@/opt/firebird/examples/employee.fdb", "6 rows fetched.", "22 : 1", and "Transaction started".

	PROJ_ID	PROJ_NAME	PROJ_DESC	TEAM_LEADER	PRODUCT
1	VBASE	Video Database	[null]	45	software
2	DGPIL	DigiPizza	[null]	24	other
3	GUIDE	AutoMap	[null]	20	hardware
4	MAPDB	MapBrowser port	[null]	4	software
5	HWRIL	Translator upgrade	[null]	[null]	software
6	MKTPR	Marketing project 3	[null]	85	N/A

★ Both 32 and 64 bit, using Gtk1 or Gtk2 libraries



Mac OS X



	PROJ_ID	PROJ_NAME	PROJ_DESC	TEAM_LEADER	PRODUCT
1	VBASE	Video Database	[null]	45	software
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SYSDBA@/Users/mh/employee.fdb 6 rows fetched. 1 : 1 Transaction started

★ Using Carbon toolkit as back-end



Current Features

- ★ Browse databases
- ★ View, edit and drop objects
- ★ Backup & restore databases
- ★ Powerful SQL editor



SQL Editor

- ★ syntax highlighting
- ★ auto-completion
- ★ bracket matching
- ★ call-tips for procedures and UDFs
- ★ history of statements, persistent between sessions
- ★ show properties of selected object



Some specific features

- ★ Event Monitor
- ★ Logging DDL statements
- ★ Drag & drop query building
- ★ Connect as...
- ★ Exporting data
- ★ Powerful context menus
- ★ Editing objects' descriptions



Future

- ★ Features and goals
 - ★ DDL extraction for all objects
 - ★ User management, granting privileges
 - ★ Editable data grid (Delphi-style)
 - ★ Field editors for specific types (date, blob, array)
 - ★ Better support for non-ASCII charsets
 - ★ Multithreaded queries

<http://www.flamerobin.org/dokuwiki/doku.php?id=wiki:roadmap>



Future

- ★ Join the project
- ★ Why?
 - ★ learn something new
 - ★ we aim to innovate
 - ★ the project needs you

Future

- ★ How to help?
 - ★ graphic artists: icons and images
 - ★ doc writers
 - ★ programmers: C++ coding
 - ★ porters: Solaris port



Questions

★ ???

