

A year in the life of .NET provider

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Thank you



MOSCOW
EXCHANGE

Platinum



Platinum



IBPhoenix

Platinum

IBSurgeon

Platinum



CopyCat

IBObjects

Upscene

A year

- * Or two actually
 - * Last conference 2012
- * A lot of changes in (ADO).NET world
- * A lot of changes in .NET provider as well

Review

- * 49 tickets solved

- * <http://tracker.firebirdsql.org/secure/IssueNavigator.jspa?reset=true&&pid=10003&resolution=1&updated%3Aafter=26%2FOct%2F12&sorter/field=issuekey&sorter/order=DESC>

- * 87 tickets still open ☹️

- * Bunch of new features (or reworked)

- * 11 versions released

- * 4.5.1.0, 4.5.0.0, 4.2.0.0, 4.1.5.0, 4.1.0.0, 4.0.0.0, 3.2.0.0, 3.1.1.0, 3.1.0.0, 3.0.2.0, 3.0.1.0

Code

- * Code now in Git
 - * SourceForge + GitHub mirror
- * Contributions in higher gear
- * NuGet primary source
 - * Main focus

Good bye

- * .NET 3.5 support
 - * Helped to cleanup codebase a bit
- * .NET Compact Framework
 - * Anybody remembers? 😊

Nbackup

- * Classes FbNBackup and FbNRestore
- * Via Service Manager

DEMO

DEMO

FbBackup

- * Classes FbStreamingBackup and FbStreamingRestore
- * No verbose output for backup
 - * Channel used for data

DEMO

DEMO

Entity Framework 6 support

- * NuGet package EntityFramework.Firebird
- * Sets up [app|web].config for you
- * For Code First you're ready to go
- * For EDMX you need DDEX to create connection
 - * Only design time
- * Migrations soon

DEMO

DEMO

New connection pooling

- * Old connection pooling was leaking
 - * Under pressure
- * Lock free for different pools operations
- * Fast in low contention scenario in one pool
- * Correct
 - * Hopefully 😊

Events

- * Something was/is lost somewhere
 - * Only some scenarios
 - * Race condition
- * 3 people, 3,5 days (SMS-Timing)
 - * Originally problem surfaced under pressure in 3-11 minutes
 - * Now couple of hours without it
- * Still some dark places there

Small stuff

- * Support for sweep and error events in Trace API
- * Integrated auth on 64-bit OS
- * TimeStamp fixes on Embedded [zabulus]
- * Pointer fixes on Embedded [zabulus]
- * Connection with `isc_dpb_no_garbage_collect` [cafee]
- * Cooperated on Dapper support
- * EF6 support when starting from scratch
- * DateTimeOffset support
- * Parsing improvements in FbBatchExecution
- * NRE on `FbCommand.Dispose` in finalizer

Q & A

