A year in the life of .NET provider

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Thank you

Platinum

Platinum

Platinum

Platinum

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

FbBackup

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

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

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