

What is new in .NET provider

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About .NET provider for Firebird

- * Native implementation on Firebird wire protocol
 - * No client library needed
 - * Wherever you compile C# code, you can use it
- * Written in C#
- * Firebird Embedded supported
 - * Through P/Invoke
- * Available for MS.NET (2.0 – 4.0), Mono
- * Additional pieces: DDEX, WebProviders, ...

Some numbers

- * FirebirdSql.Data.FirebirdClient.dll (Release)
 - * Maintainability Index: 81
 - * Lines of Code: 11044

 - * Cyclomatic Complexity: 6163
 - * Depth of Inheritance: 5
 - * Class Coupling: 503

Releases

- * In last year two releases
- * 2.6.0 (<http://blog.cincura.net/id/232192>)
 - * 18.11.2010
- * 2.6.5 (<http://blog.cincura.net/id/232424>)
 - * 3.6.2011

2.6.0

- * .NET 4 Client Profile support
- * Entity Framework 4 support
- * Command cancellation support
- * Support for UTF8 filenames

2.6.5

- * Support for Trace API in Firebird 2.5.
- * Improvements in SQL generation for Entity Framework.
- * Support for commands logging .
- * Slightly faster command execution of big queries.
- * And a lot of small code improvement making it more stable...

Command cancellation

- * Ability to cancel running command on server
 - * New feature of Firebird 2.5
- * Added support to execute command on background
- * Cancellation can be „disabled“

TraceAPI

- * Tracing commands/actions being done on server
 - * New feature of Firebird 2.5
- * Full configuration
 - * Export to string
- * Stream of lines
 - * Hard to parse
 - * Session ID parsing

NuGet

- * Provider available on NuGet
- * NuGet is „packaging“ infrastructure
- * Automatic updates, dependencies etc.
- * Right now only .NET 4 version

Other

- * Bigger prepare buffer
 - * 32k (fbclient)
 - * Faster big commands execution
- * op_disconnect sending
 - * Helps server to manage resources
- * Mono charsets ☺
- * Command tracing
 - * Revisit? Other options...
- * Bug fixes
 - * Garbage collection/Disposing
- * Entity Framework SQL generation fixes
- * Code cleanup

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Q & A

