

## Re: back to business.... (database technology)

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<http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.non-technical/2007-06/msg01822.html>

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  - *Date:* Wed, 13 Jun 2007 07:57:31 +0300
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Craig Stuntz [TeamB] wrote:

TProgrammer wrote:

I've read this path is already started with D2007 (I've not upgraded yet but I'll do ASAP), but after a blog post of Steve Shaughnessy <http://blogs.codegear.com/SteveShaughnessy/archive/2007/02/16/31865.aspx> dated feb 2007 I've not seen nothing more on the argument.

[...]

Any chance we can see something published?

From the CodeGear roadmap published last Friday:

<quote>

Specific areas of focus under consideration for Highlander are [...]

# Updated DBX4 database architecture with support for ADO.NET 2.0.

1. Exposes any DBX4-compliant database as an ADO.NET 2.0 data source.
2. Unified metadata used for both DBX4 and ADO.NET drivers.
  - \* Extended to provide richer metadata support for database tooling.
  - \* Provider-based allowing other drivers to share the same metadata provider.
3. DBXClient — a thin DBX4 driver written in 100% native Delphi for single EXE or package based deployment.
  - \* Written 100% in Delphi, thus single-sourced for both native and managed platforms.
  - \* Full Unicode support for all drivers
4. New Visual Query Builder with integration into the DataExplorer and all Query based property editors

[...]

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### # SQLDatastore

1. SQLDatastore is a simple to deploy, fully managed (.Net 2.0), SQL-compliant database engine with full transaction support.
2. DBX4 Win32 thin DBXClient driver can connect to any SQLDataStore Server.
3. ADO.NET 2.0 driver for both in-process and out of process execution.
4. XCopy database server/kernel deployment for easy deployment
5. Developers can write stored procedures for SQLDatastore in Delphi for .Net or any other .Net-compatible language.
6. Deployment licensing to allow developers to deploy SQLDatastore right out of the box.

[...]

Specific areas of focus under consideration for Tiburón are: [...]

### # BDE replacement based on SQLDataStore with highly compatible TTable/TQuery components

1. Can be used as a highly compatible replacement for BDE Paradox applications.
2. Win32 and .net DBXClient DBX4 client with navigational data access extensions.
3. Larger storage capacity. 8 Terabyte database file size limit.
4. Transaction support with crash recovery.
5. Full Unicode support.
6. Entry-level SQL-92.
7. Permanent bookmarks.
8. SQL or Delphi language server-side stored procedures and triggers

### # DataSnap enhancements

1. .Net Connection layered on top of DBXClient DBX4 driver. Shared with win32 as well.
2. ADO.Net DataSet access to remote data modules
3. DbExpress Server
  - \* Middle tier DBX/ADO drivers accessible from the client using the thin DBXClient DBX4 driver
  - \* Simplified client deployment. Single exe or package based deployment without a database vendor client installs.
  - \* Stored procedures written in Delphi or any other .net compatible language for all DBX4 and ADO.Net drivers.
  - \* Database acceleration: Connection pooling. Statement, result set caching
  - \* Server side DbExpress driver delegates (connection pooling, tracing, etc).

### # DBXClient enhancements

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1. Unified transport for Remote data modules, dbExpress server and SQLDataStore.
2. Native and managed DBXClient. Compact Framework and java script clients possible.
3. Single DBXClient provides connectivity to all servers.
4. High performance JSON based streaming with text and binary modes.
5. Pluggable TCP/IP, HTTP(s) transports. SSL/TTL are possible as well.

</quote>

<http://dn.codegear.com/article/36620>

So, in order to use SQLDataStore (the server) we need .NET?

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