

Re: SQL -> Oracle

Source:

<http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.non-technical/2006-01/msg02610.html>

- *From:* "Marcelo [RM Sistemas]" <lombii@xxxxxxxx>
 - *Date:* Mon, 23 Jan 2006 11:42:55 -0300
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thanks everyone!

"Didier Gasser-Morlay" <didiergm@xxxxxxxx> escreveu na mensagem
[news:43d34d8a\\$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:43d34d8a$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

> Marcelo

>

> I faced that bridge a while back and did the following

>

> 1- went to SQL-Direct (www.sql-direct.com)

> - fast (uses native links)

> - multi-database

> - works in Delphi Pro

> - not too far from BDE (has tsdQuery replace tquery)

>

> 2- extracted all my SQL queries in one single file (that was the tedious

> part). So when I build, I build with one platform in mind so I include the

> correct version of the SQL.inc. Adding a new platform is merely

> translating this one single file into the specific SQL jargon of the

> target db. with modern DB engines the syntax and capabilities are now very

> close (especially Oracle and Firebird) so the task at hand it not too

> enormous.

>

> 3- now whenever I need new query. I drop the proper component, write the

> query, test it as much as I want, when I am happy I copy it as a constant

> in the big SQL file and voila! if I build for a platform for which I

> forgot to translate a query, I get a nice (!) compile-time error message.

>

> No ifs in the source code, Exe is smaller and faster as it does not carry

> any extra baggage.

>

> The main diffence you're going to have is with Stored procedures

>

> - Sybase and SQL server need a Getresults call to get the return code of

> a stored procedure

> - Sybase and SQL server prefix their parameters with '@'

> - Firebird and Oracle have selectable stored procedures so you use them

> as tables in a query not in a SP component

> - Oracle has sequences whilst Sybase (or MS) don't AFAIK but

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>
> these are just implementation details, which need considering
>
> All the above, with a little care can probably be encapsulated in a
> derived class by I have not (yet) had to do that (laziness ?) so I have a
> few ifs.
>
> ha, last point. instead of dropping straight a tsqlquery or a
> tsqlStoredproc, derive them immediately into an object tMarceloQuery and
> tMarceloSP. So if you encounter a pb later on (like Selectable Sps need a
> tquery not a tStoredproc), you will just have to put some flesh into your
> derived components and not worry about have to trawl through 300 units to
> change object classes.
>
> hope this helps
>
> Didier
>
> Marcelo [RM Sistemas] wrote:
>> I really would you to comment about the situation below described:
>>
>> I have a Delphi project with more than 300 units, accessing SQL
>> Server with BDE (using regular TQuery and TDatabase).
>>
>> We here, don't want to be limited to only SQL Server customers,
>> having also Oracle customers. And, once we will be already doing a big
>> work on updating (some functions which works fine at SQL, don't at Oracle)
>> , we are considering to forget about BDE, and use something else, like
>> ADO.
>>
>> Questions:
>>
>> - Considering costs/benefits, which solution should I implement ? I
>> really don't want to update my system so bad, and after that have this
>> system turned to
>> something else, but in the other hand, I really want to forget about BDE.
>>
>> - Is there a component, to replace the TQuery component, which
>> automatically converts query texts from SQL to Oracle ? Or I will have to
>> write a lot of IFs, in order to
>> use one query text or another, depending if the connection is to a SQL
>> Server or Oracle.
>>
>> - All of our future Oracle customers, will use Oracle clients, so
>> that's not a problem.
>>
>> - Any other solution to have this done ?
>>
>>
>> Thanks in advance
>>

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• **References:**

- ◆ **SQL -> Oracle**
 - ◇ From: Marcelo [RM Sistemas]
- ◆ **Re: SQL -> Oracle**
 - ◇ From: Didier Gasser-Morlay
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