Subject: Postgres and CurrVal
Posted by Zbych on Tue, 08 Sep 2009 14:18:41 GMT
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Hi,

CurrVal doesn't seem to work correctly with Postgres right now.
When I use it like this:

```
 sql & Insert(TABLE1)(COLUMN1, "test")(COLUMN2, CurrVal(TABLE2_COLUMN1_SEQ));
```

Sql string looks like this:
insert into TABLE1 (COLUMN1, COLUMN2) values
('test', currval('TABLE2_COLUMN1_SEQ') TABLE2_COLUMN1_SEQ.CURRVAL))

It looks like SqlCase is not "compiled". Any ideas how to fix it?

Subject: Re: Postgres and CurrVal
Posted by mirek on Thu, 10 Sep 2009 10:01:18 GMT
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Zbych wrote on Tue, 08 September 2009 10:18Hi,

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It looks like SqlCase is not "compiled". Any ideas how to fix it?

This is really strange, I have tried with PGSQL reference example:

and got a crash (correct one: uncaught exception) and this in log:

SQL* insert into TESTPARTNER(TESTPARTNER_NAME, TESTPARTNER_ADDRESS) values
('test', currval('TESTPARTNER'))

SQL* insert into TESTPARTNER(TESTPARTNER_NAME) values (currval('TESTPARTNER'))

which IMO is correct.

I would need a more complete testcase to investigate the issue...

Mirek

Subject: Re: Postgres and CurrVal
Posted by Zbych on Thu, 10 Sep 2009 10:52:07 GMT
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luzr wrote on Thu, 10 September 2009 12:01which IMO is correct.

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Sorry, my mistake. I had to replace upp's SqlInsert with "query in string" + ExecuteX to insert many rows at once, and I've used ~CurrVal(). That's why I had this funny version of currval.

BTW. Is there a way to force SqlInsert, to create single insert with many rows:

insert into testpartner (testpartner_name, testpartner_address)
values
('qweqwe','qweqweqwe'),
('qweqwe','qweqweqwe'),
('qweqwe','qweqweqwe'),
('qweqwe','qweqweqwe')

Subject: Re: Postgres and CurrVal
Posted by mirek on Thu, 10 Sep 2009 12:12:48 GMT
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Zbych wrote on Thu, 10 September 2009 06:52luzr wrote on Thu, 10 September 2009 12:01which IMO is correct.

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('qweqwe','qweqweqwe'),
('qweqwe','qweqweqwe')

Not yet. Maybe we could add Next() method:

Insert(TESTPARTNER)(NAME, "A").Next()(NAME, "B")

or maybe overload some operator

Insert(TESTPARTNER)(NAME, "A")/(NAME, "B")

Before we do, we should check if it is possible to do this in all supprted SQLs. E.g. this looks quite different:

http://www.techonthenet.com/sql/insert.php

Mirek

Subject: Re: Postgres and CurrVal
Posted by Zbych on Fri, 11 Sep 2009 11:36:40 GMT
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luzr wrote on Thu, 10 September 2009 14:12Before we do, we should check if it is possible to do this in all supprted SQLs

Postgres - supports,
MSSQL - supports (MSSQL 2008 and newer)
SqlLite - doesn't support (it could be emulated with many inserts)
MySQL - supports
Oracle - supports, different syntax

Subject: Re: Postgres and CurrVal
Posted by mirek on Thu, 17 Sep 2009 15:26:09 GMT
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Zbych wrote on Fri, 11 September 2009 07:36luzr wrote on Thu, 10 September 2009 14:12Before we do, we should check if it is possible to do this in all supprted SQLs

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Oracle - supports, different syntax

And your opinion about the 'syntax'? Any ideas?

Subject: Re: Postgres and CurrVal
Posted by Zbych on Fri, 18 Sep 2009 08:25:26 GMT
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luzr wrote on Thu, 17 September 2009 17:26
And your opinion about the 'syntax'? Any ideas?

Do you mean upp syntax or sql syntax?
Upp syntax (Next() and /) is ok for me. I've made some changes in SqlInsert to support Next() and it works with postgres.

I don't know if SqlInsert should be idiot proof and allow to mix order of columns?

Insert(TABLE)
(COL1, "aaa")(COL2, "bbb").Next()
(COL2, "ccc")(COL1, "ddd").Next() //switched columns
(COL1, "eee"); //one column is missing

Subject: Re: Postgres and CurrVal
Posted by mirek on Thu, 24 Sep 2009 08:42:38 GMT
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Zbych wrote on Fri, 18 September 2009 04:25luzr wrote on Thu, 17 September 2009 17:26
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Insert(TABLE)
(COL1, "aaa")(COL2, "bbb").Next()
(COL2, "ccc")(COL1, "ddd").Next()  //switched columns
(COL1, "eee"); //one column is missing
```

Well... Maybe we should rather opt for special "MultiInsert" class for this, with different interface...

In any case, there is sort of problem with sql "compiler" internals. Those completely different syntaxes of Oracle and Sqlite3 would make internal representation (using SqlCase) too long, with all values repeated 3 times...

OTOH, maybe this could solve the problem of missing columns..
