

Re: ODBCCommandBuilder produces different UpdateCommand with Oracle using field name aliases

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2008-03/msg00024.html>

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-

Ah, and why would you expect it to create non-backend specific code?
Incidentally, have you read any of the (dozens of) threads on why NOT to use the CommandBuilder? How about this article? <http://msdn2.microsoft.com/en-us/library/ms971491.aspx>

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Hitchhiker's Guide to Visual Studio and SQL Server (7th Edition)

"Eric" <jeemail.no.spam@xxxxxxxxxx> wrote in message
news:0f80b150-67e9-486c-8f67-ed1fbc288621@xx

If I use a command that contains field name aliases, I get a different result for `_cmdBldr.GetUpdateCommand().CommandText`, depending on whether I am connected to SQL Server 2005 or Oracle 10g.

Here is the code in question:

```
string _sqlString = "SELECT ID, PLANGROUP AS PG, DESC_R FROM TABLEA  
WHERE ID = 100002";  
OdbcConnection _dc = new OdbcConnection();  
_dc.ConnectionString = "<connectionstring>";  
_dc.Open();  
OdbcDataAdapter _da = new OdbcDataAdapter(_sqlString, _dc);  
DataTable _dt = new DataTable();  
_da.Fill(_dt);  
_dt.Rows[0].BeginEdit();  
_dt.Rows[0]["DESC_R"] = "ABC";  
_dt.Rows[0].EndEdit();  
OdbcCommandBuilder _cmdBldr = new OdbcCommandBuilder(_da);  
MessageBox.Show(_cmdBldr.GetUpdateCommand().CommandText);
```

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```
try
{
_da.Update(_dt);
}
catch(Exception ex)
{
}
```

When I run this for a SQL Server connection, the `_da.Update(_dt);` command executes without an exception and `_cmdBldr.GetUpdateCommand().CommandText` returns:

```
"UPDATE TABLEA SET ID = ?, PLANGROUP = ?, DESC_R = ? WHERE ((ID = ?)
AND ((? = 1 AND PLANGROUP IS NULL) OR (PLANGROUP = ?)) AND ((? = 1 AND
DESC_R IS NULL) OR (DESC_R = ?)))"
```

When I run this for an Oracle connection the `_da.Update(_dt);` command generates an exception:

```
"ERROR [42S22] [Oracle][ODBC][Ora]ORA-00904: "PG": invalid identifier"
```

and `_cmdBldr.GetUpdateCommand().CommandText` returns:

```
"UPDATE TABLEA SET ID = ?, PG = ?, DESC_R = ? WHERE ((ID = ?) AND ((?
= 1 AND PG IS NULL) OR (PG = ?)) AND ((? = 1 AND DESC_R IS NULL) OR
(DESC_R = ?)))"
```

Note that in SQL Server, the original field name "PLANGROUP" is used in the UpdateCommand. In Oracle, the field name alias "PG" is used.

Is there a way to force the command builder to create an update command with the original field name when using Oracle? Is there another approach I should be using, other than always creating my own update command from scratch for Oracle?

Thanks.

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