Subject: Problem with SqlUpdate
Posted by nilrum on Tue, 29 Dec 2015 06:51:40 GMT
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Hi all!

How can I run the following query using the Sql Update:

update LINK set ID_OTHER = (select ID_TWO from TWO where NAME_TWO = 'Name')
where ID_LINK = 1

I tried the request, but is it wrong
SqlUpdate(LINK)(SqlSet(ID_OTHER), SqlSet(Select(ID_TWO).From(TWO).Where(NAME_TWO == "Name"))).Where(ID_LINK == 1);
==>
update LINK set (ID_OTHER) = (select ID_TWO from TWO where NAME_TWO = 'Name')
where ID_LINK = 1

How to remove the brackets around ID_OTHER?

Subject: Re: Problem with SqlUpdate
Posted by dolik.rce on Tue, 29 Dec 2015 15:20:14 GMT
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Hi nilrum,

Welcome to the forum

nilrum wrote on Tue, 29 December 2015 07:51I tried the request, but is it wrong
SqlUpdate(LINK)(SqlSet(ID_OTHER), SqlSet(Select(ID_TWO).From(TWO).Where(NAME_TWO == "Name"))).Where(ID_LINK == 1);
==>
update LINK set (ID_OTHER) = (select ID_TWO from TWO where NAME_TWO = 'Name')
where ID_LINK = 1

How to remove the brackets around ID_OTHER?
The problematic brackets come from SqlSet(). You actually want just a single value, not a set of values:SqlUpdate(LINK)(ID_OTHER, SqlSet(Select(ID_TWO).From(TWO).Where(NAME_TWO == "Name"))).Where(ID_LINK == 1);
This should work as you intended.

Best regards,
Honza

Subject: Re: Problem with SqlUpdate
Posted by nilrum on Tue, 29 Dec 2015 16:48:06 GMT
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Quote:
Welcome to the forum

Thanks Honza

Quote:
The problematic brackets come from SqlSet(). You actually want just a single value, not a set of values:

SqlUpdate(LINK)(ID_OTHER, SqlSet(Select(ID_TWO).From(TWO).Where(NAME_TWO == "Name"))).Where(ID_LINK == 1);

This should work as you intended.

So I tried to write, but I receive an error

error C2664: 'Upp::SqlUpdate &Upp::SqlUpdate::operator ()(const Upp::SqlId &,Upp::SqlVal)' : cannot convert argument 1 from 'Upp::SqlId' to 'const Upp::SqlSet &'
Reason: cannot convert from 'Upp::SqlId' to 'const Upp::SqlSet'

Subject: Re: Problem with SqlUpdate
Posted by dolik.rce on Tue, 29 Dec 2015 19:05:58 GMT
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nilrum wrote on Tue, 29 December 2015 17:48Quote:The problematic brackets come from SqlSet(). You actually want just a single value, not a set of values:

SqlUpdate(LINK)(ID_OTHER, SqlSet(Select(ID_TWO).From(TWO).Where(NAME_TWO == "Name"))).Where(ID_LINK == 1);

This should work as you intended.

So I tried to write, but I receive an error

error C2664: 'Upp::SqlUpdate &Upp::SqlUpdate::operator ()(const Upp::SqlId &,Upp::SqlVal)' : cannot convert argument 1 from 'Upp::SqlId' to 'const Upp::SqlSet &'
Reason: cannot convert from 'Upp::SqlId' to 'const Upp::SqlSet'

I'm sorry that I mislead you... I haven't actually check if the code compiles

I had to check the code of SqlSelect and I finally figured out how this should be done properly:SqlUpdate(LINK)(ID_OTHER, Select(ID_TWO).From(TWO).Where(NAME_TWO == "Name").AsValue()).Where(ID_LINK == 1);
Notice the AsValue() method of SqlSelect. It turns the subquery into SqlVal, which can be then assigned to ID_OTHER column. There is also similar method AsTable(), which does similar job in case of subqueries in FROM clause.

Hope this will finally work

Honza

Subject: Re: Problem with SqlUpdate
Posted by nilrum on Wed, 30 Dec 2015 04:58:59 GMT
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Thanks Honza

How could I not think about it..

Subject: Re: Problem with SqlUpdate
Posted by dolik.rce on Wed, 30 Dec 2015 07:29:19 GMT
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nilrum wrote on Wed, 30 December 2015 05:58Thanks Honza

How could I not think about it..
No need to be ashamed There is very little documentation on the SQL stuff. The tutorials only cover basic stuff, if you get into subqueries and other complex tasks, you sometimes just have to go to look at the source.

Also, I got it wrong fist time too

Honza
