Subject: [SOLVED] How to join two tables from two schemas with SqlExp
Posted by Patisab on Tue, 08 Jan 2019 14:06:25 GMT
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Hello,

I have two schemas (S1 and S2) in one database (D1). I have to join one table from S1 with one table from S2. I am connected to the database whith user who is granted as owner of S1 and as reader of S2. Something like that :

```
SELECT T1.Col1, T1.Col2, S2.T1.Col2, S2.T1.Col3
FROM T1
INNER JOIN S2.T1 ON S2.T1.Col1 = S1.T1.Col1
```

When i try to do that with SqlExp like this :

```
Select(Col1.Of(T1),Col2.Of(T1),Col2.Of(T2),Col3.Of(T2))
.From(T1)
.InnerJoin(S2.T1).As(T2).On(Col1.Of(T2) == Col1.Of(T1))
```

...i obtain an error message that explains S2 is not declared.

So is it possible? If it is, how?

Thank you very much for your help.

Bests regards... and happy new year

Subject: Re: How to join two tables from two schemas with SqlExp
Posted by mirek on Wed, 09 Jan 2019 08:22:10 GMT
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Patisab wrote on Tue, 08 January 2019 15:06So is it possible? If it is, how?

```
#include <Core/Core.h>
#include <plugin/sqlite3/Sqlite3.h>

using namespace Upp;

CONSOLE_APP_MAIN
{
 Sqlite3Session sqlite3;

 sqlite3.SetTrace();
```

```
 SQL = sqlite3;

 SqlId T1("T1"), Col1("Col1"), Col2("Col2");
 SQLID(T2); SQLID(S2);

 SQL * Select(T1(Col1), T1(Col2), T2(Col2), T2(Col2))
       .From(T1)
       .InnerJoin(S2(T1).As(T2))
       .On(T2(Col1) == T1(Col2));
}
```

produces

```
select T1.Col1, T1.Col2, T2.Col2, T2.Col2 from T1 inner join S2.T1 T2 on T2.Col1 = T1.Col2
```

SQLID(T1) and SqlId T1("T1") are equivalent. Also, if you are using .sch files, you can do the same thing by adding '_' to type (like INT_ (Col1) or TABLE_(T1)).

Col1.Of(T1) and T1(Col1) are equivalent (parenthesis form is 'more modern').

You cannot write "S2.T1" - we cannot support that, as C++ does not have "operator." overloading

Mirek

Subject: Re: How to join two tables from two schemas with SqlExp
Posted by Patisab on Wed, 09 Jan 2019 08:55:55 GMT
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Good morning Mirek,

Well, the solution is looking like this for two aliases of the same table that i asked for a few months ago. I will try it soon.

Thank you very much.

Best regards.

Subject: Re: How to join two tables from two schemas with SqlExp
Posted by Patisab on Wed, 09 Jan 2019 12:23:54 GMT
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I can compile and le SQL request works very well. Thank you.

Mirek, you have got the same nickname as John Eales : Nobody, because Nobody is perfect

Best regards.