

# TableAdapter, INNER JOINS, stored procs, and problems with Update

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Hi,

I have a stored procedure that uses JOINS to return columns from multiple tables. I also have another stored proc that that takes a series of params and updates multiple tables. I used the framework to auto-generate a table adapter specifying both stored procs as Get/Fill and Update. The problem is that columns from the JOINed table seem to be marked as 'read-only' so trying to update a row results in an exception. BTW, by default a FormView attached (indirectly through ODS and BLL) to the table adapter did not show Edit/Insert/Delete buttons. I had to switch its default mode to Edit.

I remember reading about JOINS and TableAdapters and that they do not work well together. I'm not sure though if this was also applicable to stored procedures. It was suggested that subqueries be used instead. The problem is that subqueries are good if used with one field per JOINed table. In my case, I need to join 3 tables and each of them has about 5 columns.

So, my questions is:

Can table adapters be used with stored procedures that take columns from multiple tables for update purposes? If yes, could someone please let me know how to do that? If not, what are the alternatives?

I would really, really appreciate any suggestions.

My example of select and update procs:

```
SELECT a.c1, a.c2, a.c3,
b.c1, b.c2, bc3,
c.c1, c.c2, c.c3,
d.c1, d.c2, d.c3
FROM A a
INNER JOIN B b ON a.c1= b.c1
LEFT OUTER JOIN C c ON a.c1 = c.c1
LEFT OUTER JOIN D d ON a.c1 = d.c1
WHERE a.c1 = @c1;
```

[...]

```
-- Update  
@ac2 int,  
@ac3 int,  
@bc2 int,  
@bc3 int,  
@cc2 int,  
[...]
```

```
UPDATE A  
SET c2 = @ac2 [...]  
UPDATE B  
SET c2 = @bc2 [...]
```

etc.

Thanks,  
Bogdan

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