

# RE: Inserting/deleting data in table in multiuser environment

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- *From:* Brian <[Brian@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Brian@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
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Do you have the ability to:

1. Add a field to the table in the SQL DB?
2. Modify the stored proc?

If Yes to both, you could add a field (e.g. BatchID) to the SQL table for a string representing the current timestamp (e.g. 20081003071008 for 2008-10-03 07:10:08). The chance of two users creating a BatchID within one second of each other, while possible, is statistically impossible. Modify the stored proc to accept this as an argument and including it when inserting into the table. Capture the value to a variable before you send it to the stored proc, then filter your query to records where that field matches the variable. Also modify the stored proc to not delete the temporary records from the table. Do the deletion after you run the query/report via a delete query or SQL statement in VBA, and filter the DELETE statement to just those records whose BatchID matches the timestamp-related string above.

If the answer is No to both questions 1 & 2 above, then perhaps you can find out what the stored proc does and see if you can emulate that using SQL in VBA code and or queries of your own, but delete/insert the records from/into a table in the front end, where there will be no conflict.

"Alex" wrote:

Thanks, Brian.

I was thinking the same as you re suggesting in your second option.

Please, notice that store procedure on SQL server deletes all data from a table and then insering new data after.

I did create a table in a front-end to just copy data from that table on SQL server where all data is deleted (table emptied) and then inserted. So, yes, the users would run local query and report on that local front-end table.

However, then I realized that the SQL table where stored procedure is

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deleting all data and then doing inserting still could create a conflict as the stored procedure will be running each time with report generation anyway.

So, the only way would be to bring a code from the SQL store procedure to a front-end and populate that local front-end table using SQL tables using code from the front-end. I thought I could avoid it somehow. Please, comment.

Thanks

"Brian" wrote:

I think you are saying that you populate a table with temporary data upon which a report is based. In this case, you do need to isolate the data by the user so that when two users run the report at the same time, their data is not intermixed.

I can suggest two things:

1. Ensure that your table in the SQL database has a field for the user who is populating the table (or a session ID or timestamp or some other unique ID). Secondly, make sure the stored proc populates this field when it runs. Finally, filter to the current user's entry in this field when running the report. This way, it will look only at the data inserted by the current user or session.
2. Alternatively, give each user his own copy of the front end and put the temporary table in the Access front end instead of in the SQL back end. Then, instead of the stored proc, run a query to populate that table, imitating the action of the stored proc. This way, the temporary data is in the front end that exists on the user's computer and will not intermix with other users' data for that process.

"Alex" wrote:

Hi Guys,

I m creating mdb file (not a project) and I m running a stored procedure on SQL server that deletes and inserts data into a table. Then I m making a query and a report based on that table.

Everything is fine except I m concerned about multiuser environment when users could run the report hence a stored procedure simultaneously whether it

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could create some conflicts.

Please, advise.

Thanks