

Re: What could be the problem with this INSERT with ADO parameters?

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- *From:* "RB Smissaert" <bartsmissaert@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 19 Oct 2007 21:41:38 +0100
-

Well, it looks replacing the fixed variables with parameters may have done the trick. I had one Excel crash, but unfortunately had forgotten to turn on the logging, but I have since that done a lot of runs of this (all with different data) and all working fine. It looks I may have learned something useful there and I think I will apply this to all my parameter queries. Thanks for the tip.

RBS

"Bob Barrows [MVP]" <reb01501@xxxxxxxxxxxxxxxxxxxx> wrote in message news:%23A2DxooEIHA.4752@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

RB Smissaert wrote:

Trying to debug a procedure that writes data to an Interbase database. I am using an Intersolve ODBC driver and ADO in Excel VBA. This is done in a loop and I used to do this without parametrized queries and I am now doing this with parameters, but so far no success yet.

This is the simplified code where arr is a variant array made by assigning an Excel sheet range to that array. EntryIDArray and EncounterEntryIDArray are 1-D Long arrays.

```
2100 strSQL8 = "INSERT INTO " & _  
"ENTRY(ENTRY_ID, ADDED_BY, UPDATED_BY, " & _  
"READ_CODE, TERM_ID, ENCOUNTER_ID, " & _  
"SECURE_TYPE, ADDED_DATE, UPDATED_DATE, " & _  
"FREE_TEXT, DORMANT_FLAG, ENTRY_TYPE, " & _  
"START_DATE, END_DATE, PROBLEM_ID, " & _  
"ENTRY_FLAGS, PATIENT_ID, " & _  
"SUBJECT_TYPE, TERM_TEXT) " & _  
"VALUES(?, ?, " & ILoggedInUser & ", " & _  
"? , ? , ? , 1, " & ICurrentDate & ", " & ICurrentDate
```

Why aren't you using parameters for the logged in user and added and updated dates? The point of using parameters is to avoid concatenating

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data that is not known at design time into your sql statements.

```
& ", " & _  
"? , 0, 13, " & _  
!CurrentDate & ", 0, ?, ", ?, 'M', ?)"
```

Again: why the concatenation here?

```
2120 Set cmdADO8 = New ADODB.Command
```

```
2130 With cmdADO8
```

```
2140 Set .ActiveConnection = ADOConn
```

```
2150 .CommandType = adCmdText
```

```
2160 .CommandText = strSQL8
```

```
2170 End With
```

'this runs in the loop

```
3150 cmdADO8.Execute adExecuteNoRecords, Array(EntryIDArray(i),
```

```
arr(i, 17), _
```

```
arr(i, 6), arr(i,
```

```
14), EncounterEntryIDArray(i), _
```

```
arr(i, 8), _
```

```
arr(i, 16),
```

```
arr(i, 1), arr(i, 7))
```

It falls over after running fine for a few loops on the above statement.

It actually crashes Excel, so I have added a log to a text file and when it falls over the

parameters seems fine:

```
6876398,16,"ja2S.", "AHVLX",6876396,"FOR EXTERNAL USE  
ONLY",5669941,1406,"CAPSAICIN 0.025% cream 45G"
```

There is an error handler, but as Excel just crashes on the above statement that doesn't help me.

I suppose there has to be something wrong with:

```
Array(EntryIDArray(i), arr(i, 17), _
```

```
arr(i, 6), arr(i,
```

```
14), EncounterEntryIDArray(i), _
```

```
arr(i, 8), _
```

```
arr(i, 16),
```

```
arr(i, 1), arr(i, 7))
```

But I can't see it yet, particularly as it runs fine with parameters that seem similar as the one above.

The variables in the query, ILoggedInUser and ICurrentDate are fine.

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Without being able to test this myself, I have no chance of figuring this out. Could you try running this code against an Access or SQL Server database so we can confirm that it's not a problem with the Intersolv driver? If it's reproducible against Access or SQL Server, let us know and I will look at it again.

—

Microsoft MVP — ASP/ASP.NET

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