

## RE: DAO, Transactions, SQLServer

**Source:** <http://www.tech-archive.net/Archive/VB/microsoft.public.vb.database/2004-09/0264.html>

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Hi

What error are you getting?

Have you considered using ADO instead of DAO?

DAO is a very old technology so I am trying to remember how the stuff worked 10 years ago.

Since you are doing a read, use dbForwardOnly (I think that is what is it) for the rs.

rs.BeginTran and rs.CommitTran are required.

Regards

Mike

"SerGioGio" wrote:

```
> Hello,
>
> I have a problem with DAO, Transactions and SQLServer. I want to do a very
> simple thing (in VB)!
>
> BeginTrans
> Call db.Execute("UPDATE counter SET value = value + 1 WHERE name =
> 'mycounter'", dbSQLPassThrough)
> Set Rec = db.OpenRecordSet("SELECT value FROM counter WHERE name =
> 'mycounter'", dbOpenSnapshot, dbSQLPassThrough)
> value = Rec(0)
> CommitTrans
>
> Note how simple this is. I just want to get a new value for a counter,
> UPDATING first in order to make sure each value is returned only once, even
> in concurrent environment. This is what you learn in school.
> Well, this code works in Oracle, Sybase, in SQLServer using OSQL, but not in
> SQLServer using DAO/ODBC.
> In SQLServer using DAO/ODBC the code just hangs the entire application at
> the SELECT line.
>
```

- > *I believe the problem comes from the ODBC SQL Server driver*
- > *(2000.85.1025.00). From SQLServer OSQL I can see that multiple connections*
- > *are opened (by the driver I believe) and I suspect that the driver sends the*
- > *UPDATE statement to connection 1 for instance and the SELECT query to ...*
- > *connection 2! Of course this will cause a deadlock.*
- >
- > *I saw microsoft comments*
- > *<http://support.microsoft.com/default.aspx?scid=kb;EN-US;170548> , but I am*
- > *not really using JET, since all my database calls use the dbSQLPassThrough*
- > *option. I also tried to disable the ODBC connection pool but this is*
- > *useless. I believe it really is the Drivers fault since I can get these*
- > *statements to work in Sybase and Oracle.*
- >
- > *This is the kind of stuff that puzzles me the most. The whole microsoft*
- > *architecture tries to be smarter than you are and takes control of*
- > *everything, but fails to do the simplest things AND it really seems you*
- > *cannot disable it.*
- >
- > *Any help would be very much appreciated.*
- >
- > *SerGioGio*
- >
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