

Re: ADOCommand and grave accent problem

Source: <http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.database.ado/2004-11/0324.html>

From: David Fallas (*fallasd_at_sysmexdelphic.com*)

Date: 11/29/04

Date: Tue, 30 Nov 2004 07:54:41 +1300

Hello All,

So that the resolution is posted here for anyone who may encounter the same problem – Paolo has spotted the solution. Clearing the ParamCheck flag was the key – however, it MUST be cleared BEFORE setting the CommandText property. For example the following code snippet now works without the error being reported.

```
try
  ADOCommand.Connection:= ADOConnection;
  // ..clear this flag BEFORE setting CommandText..!
  ADOCommand.ParamCheck:= FALSE;
  ADOCommand.CommandText:= sExecute;
  ADOCommand.CommandType:= cmdText;
  ADOCommand.ExecuteOptions:= [eoExecuteNoRecords];
  // ..added the following line to test Paolo's suggestion...but this MUST
  BE before setting CommandText..!
  // ADOCommand.ParamCheck:= FALSE;
  ADOCommand.Execute;// ..<---- exception used to be raised here...
...

```

How this solution might fare when there is a concurrent requirement to check a parameterised command I do not know. I assume that using a grave accent character in an INSERT or UPDATE at the same time as having ADO check a parameterised command, cannot be done.

"Paolo Mancini" <paolo.mancini(at)email.it> wrote in message news:41a6f538@newsgroups.borland.com...

> *Ciao David,*

> *yes of course you can... I will look for an explanation as soon as I*

> *can...*

> *One question: which database platform are you using?? I have SQL Server but*

> *not Oracle...*

>

> *Paolo Mancini*

>

>

borland.public.delphi.database.ado: Re: ADOCommand and grave accent problem

> "David Fallas" <fallasd@sysmexdelphic.com> ha scritto nel messaggio
> news:41a65f54\$1@newsgroups.borland.com...
> > Hi again Paolo,
> >
> > Thankyou for taking the time to test my problem. I changed the date
format
> > in my code to your suggestion (ie yyyy-mm-dd) but I still get the ADO
> > error
> > when using an ADO Command, and not when using an ADO Connection object.
> >
> > I thought that perhaps it might be a difference in the ConnectionString
> > property that I use and what you may have used in your test, so I
changed
> > that. My original ConnectionString was
> > 'DSN=TestDSN;UID=DatabaseUser;PWD=DatabasePassword' which I changed it
to
> > 'Provider=MSDASQL.1;Data Source=TestDSN;Initial Catalog=TESTTABLES;User
> > ID=DatabaseUser;Password=DatabasePassword'. But that made no difference
> > and
> > the ADO error still occurs with an ADO Command, not with an ADO
> > Connection.
> >
> > Next I thought perhaps it was a difference in the database configuration
> > itself between your test and mine. My ODBC Data Source configuration
> > specifies TestDSN as using the SQLServer driver, version
2000.81.9042.00.
> >
> > Finally I tested with an Oracle database using Microsoft ODBC for
Oracle,
> > version 2.573.9030.00 and I get exactly the same ADO error.
> >
> > Perhaps with your permission, I could zip up my test project and email
it
> > to
> > you.
> >
> > "Paolo Mancini" <paolo.mancini@email.it> wrote in message
> > news:41a51c14@newsgroups.borland.com...
> >> Ciao David,
> >> I have made some test before to say that I can reproduce your error
in
> > no
> >> way... I've tried more than once but nothing... Instead I received an
> >> error
> >> using your code but it refers to the date format used: I've used
> > 'yyyy-mm-dd
> >> hh:nn:ss' not 'yyyymmdd hh:nn:ss' maybe the problem is there...
> >>
> >> Hope It Helps,
> >> Paolo Mancini
> >> "David Fallas" <fallasd@sysmexdelphic.com> ha scritto nel messaggio

> >> *news:41a4d2c5@newsgroups.borland.com...*
> >>> *Hi Paolo,*
> >>>>
> >>>> *Thanks for your suggestion – but no joy I am afraid. I modified the*
> >>>> *code*
> >>>> *as*
> >>>> *follows (see below), but I still get the same error.*
> >>>>
> >>>> *Please note that the cause of the problem is the presence of the*
grave
> >>>> *accent [`] character. One solution would be to avoid using this*
> > *character*
> >>>> *altogether but unfortunately, this is not possible since it is*
> >>>> *sometimes*
> >>>> *present legitimately in the data our customers wish to store.*
> >>>>
> >>>> *...*
> >>>> *try*
> >>>> *ADOCommand.Connection:= ADOConnection;*
> >>>> *ADOCommand.CommandText:= sExecute;*
> >>>> *ADOCommand.CommandType:= cmdText;*
> >>>> *ADOCommand.ExecuteOptions:= [eoExecuteNoRecords];*
> >>>> *// ..added the following line to test Paolo's suggestion...*
> >>>> *ADOCommand.ParamCheck:= FALSE;*
> >>>> *ADOCommand.Execute;// <----- exception raised here, (even with*
> >>>> *ParamCheck set to FALSE)*
> >>>> *...*
> >>>>
> >>>> *I have noted on MSDN that this grave accent character [`] has a*
> > *'special'*
> >>>> *purpose to modify an ACCESS database password to null (two grave*
> >>>> *accents*
> >>>> *together). I wonder if this designed feature has some side-effects.*
> >>>> *"Paolo Mancini" <paolo.mancini@email.it> wrote in message*
> >>>> *news:41a472cb@newsgroups.borland.com...*
> >>>>> *Ciao David,*
> >>>>> *I suppose the error doesn't come out from the CommandText itself*
> > *rather*
> >>>>> *than by TADOCommand component...*
> >>>>> *Try to look at the properties like ParamCheck and keep in mind that*
> >>>>> *whenever*
> >>>>> *you set the commandtext in a TADOCommand it parses the command*
trying
> > *to*
> >>>>> *inidividuate any parameter included in (even the return one). The*
> >>>>> *TADOConnection doesn't this work for you... That's all.*
> >>>>>
> >>>>> *Hope it helps.*
> >>>>> *Paolo Mancini*
> >>>>>
> >>>>> *"David Fallas" <fallasd@sysmexdelphic.com> ha scritto nel messaggio*

```
> > > > news:41a3efb7@newsgroups.borland.com...
> > > > Win2k, MDAC 2.7, Delphi 6, Update 2, SQLServer 8.0.
> > > > 
> > > > > The following causes an ADO exception (EADOError): 'Parameter
object
> > is
> > > > > improperly defined. Inconsistent or incomplete information was
> > > > > provided'
> > > > > 
> > > > > ...
> > > > > sCols:= 'testchar,testnumber,testdate';
> > > > > sVals:= QuotedStr('grave accent [ ` ]') + ',10,' +
> > > > > QuotedStr(FormatDateTime('yyyymmdd hh:nn:ss', Now));
> > > > > sExecute:= 'INSERT INTO testtable(' + sCols + ')VALUES(' + sVals +
> > > ');
> > > > > ADOConnection:= TADOConnection.Create(nil);
> > > > > ADOCommand:= TADOCommand.Create(nil);
> > > > > try
> > > > > ADOConnection.ConnectionString:= _ConnectionString;
> > > > > ADOConnection.Open;
> > > > > try
> > > > > ADOCommand.Connection:= ADOConnection;
> > > > > ADOCommand.CommandText:= sExecute;
> > > > > ADOCommand.CommandType:= cmdText;
> > > > > ADOCommand.ExecuteOptions:= [eoExecuteNoRecords];
> > > > > ADOCommand.Execute;// <----- exception raised here
> > > > > ...
> > > > > 
> > > > > The following does not:
> > > > > ...
> > > > > sCols:= 'testchar,testnumber,testdate';
> > > > > sVals:= QuotedStr('grave accent [ ` ]') + ',10,' +
> > > > > QuotedStr(FormatDateTime('yyyymmdd hh:nn:ss', Now));
> > > > > sExecute:= 'INSERT INTO testtable(' + sCols + ')VALUES(' + sVals +
> > > ');
> > > > > ADOConnection:= TADOConnection.Create(nil);
> > > > > try
> > > > > ADOConnection.ConnectionString:= _ConnectionString;
> > > > > ADOConnection.Open;
> > > > > try
> > > > > ADOConnection.Execute(sExecute, cmdText);// <----- NO exception
> > here
> > > > > ...
> > > > > 
> > > > > What is it about the grave accent character in ADOCommand?
> > > > > 
> > > > > I raised this issue a couple of years ago in these news groups,
but
> > > > > I
> > > > > don't
> > > > > recall any responses. It's still there, and still causing
```

headaches.

```
> >> >> > Any
> >> >> > ideas welcome.
> >> >> >
> >> >> > BTW – table definition is as follows:
> >> >> >
> >> >> > CREATE TABLE testtable(
> >> >> > testchar VARCHAR(40),
> >> >> > testnumber NUMERIC,
> >> >> > testdate DATETIME)
> >> >> >
> >> >> >
> >> >>
> >> >>
> >> >
> >> >
> >>
> >>
> >
> >
>
>
```