

# ADO exception with character combination inside string...

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*Source:*

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We have banged our heads against this all day without coming to grips with what is causing the problem....

We have an MSSQL2000 database with both text and varchar columns in some tables. Of course there is lots of other stuff as well but this problem is with these data types.

We also have various Delphi7 programs that operate on this database. These programs are set up to trap the exception in an ADO operation and log the query text that was in use when the exception happened. This system has been running for years but today a customer reported the error described below...

What happens is that if we have a string to store inside the database that looks like this:

'Some random text "fix:problem" here'

then we will get an exception when we send it in through a query via an ADO connection.

If we change the string like this:

'Some random text ""fix:problem" here'

or

'Some random text "fix problem" here'

then the text is successfully stored. In the case of the double "" it will be stored as 2 " characters in the database...

The rule for database exception seems to be:

- string contains a " character
- Somewhere after the " there is also a : character

The rule does not hold if the " char is doubled ("")

We also tried the query that failed directly in QueryAnalyzer (thanks to our error log we can get the complete query text from the log).

Then it \*succeeds\* without problem and our string gets stored! So the query itself is not a problem!

Then we tried with VisualBasic6 also via an ADO query, also here the

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execution succeeded!

Finally we tried to compile our application in BDS2006 figuring that something in the D7 ADO system needs fixing and that it might be fixed in BDS2006. But no, the error occurs exactly in the same way also here. :-(

So it seems to me like the ADO system in Delphi7 and BDS2006 somehow are sensitive to the " char if followed by a : char later in the text!  
Why???????

Is there anyone else who has seen this and is there a remedy for the problem? Our customer really needs to specify some data with the quoted string and inside the quotes he must have the colon...

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