

## Re: SQL/ADO (2.8) Timeout Error – Can't resolve

**Source:**

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**From:** JL Gates (JL.Gates.17cka9\_at\_mail.mcse.ms)

**Date:** 06/04/04

Date: Fri, 4 Jun 2004 16:36:01 -0500

JL Gates wrote:

> *\*I would like to revisit Error 2147217871 with some new twists:*

>

> *First, I have tried unsuccessfully to implement each of Sanchan Sahai*

> *Saxena's recommendations in the previous posting. At the risk of*

> *getting overly detailed, I would like to comment on each one to*

> *perhaps establish where I am going wrong. Actually, I have been*

> *dealing with this particular error off and on for months now. I am*

> *spending a lot (a lot!) of time coming up with workarounds that avoid*

> *the error --- that is until it pops up in a new context. Seems like*

> *it might be more expedient just get to the core of what is causing*

> *it.*

>

> *Here's my environment. Access 2002 Project (.adp) front end / SQL*

> *Server 2000 back end. I am using a code module to launch a stored*

> *procedure that will backup a SQL Server database using two input*

> *parameters (db name and backup path). Very simple code and sp.*

>

> *Addressing Sanchan's recommendations:*

>

> *a) This message means that the statement took longer than the*

> *default*

> *timeout limit. Possibly, this might be due to resource shortage on*

> *the*

> *server, or the code itself or various other issues.*

>

> *This is a development app that I am running locally on my own desktop*

> *until it is grown up enough to go play on the big servers. I have*

> *closed all other programs, I have a ton of RAM and I just can't see*

> *how I could be causing a shortage of resources in the local*

> *environment.*

>

> *b) To start with, you might want to increase the timeout interval in*

> *your code.*

>

> *I've done this over and over again. In Access I have increased the*

> OLE/DDE timeout to indefinite wait (0 value). That never has any  
> effect whatsoever. And I've used SQL Query Analyzer to run the  
> configuration sp, thus:  
>  
> sp\_configure 'remote login timeout', 300  
> go  
> reconfigure with override  
> go  
>  
> sp\_configure 'remote query timeout', 0  
> go  
> reconfigure with override  
> go  
>  
> No effect.  
>  
> c) You might want to verify that you are actually hitting the  
> destination as well. You can either use Network Monitor to get a  
> sniff of network traffic, OR you can turn on auditing on the SQL  
> Server and monitor for that user account. It could turn out to be a  
> network resource issue if you are not even getting to the point of  
> logging in.  
>  
> Yeah, I'm hitting it. Here's how I know --- and something that I  
> think might indicate what is actually going on. As I indicated  
> above, I am running a stored procedure that will backup a SQL Server  
> database to a local folder (from a local folder). If I run the sp  
> with the two required parameters (db name and backup path) written  
> explicitly into the stored procedure code, then launch the sp from  
> the Access database object, it runs properly. However, if I pass the  
> two parameters from a code module, using a cmd.execute, that is when  
> I get the timeout error. Logically, it doesn't seem like it should  
> matter. Either way the stored procedure is being launched from  
> within the Access .adp environment.  
>  
> Even more weird: Even if I launch the stored procedure with the  
> explicitly coded parameters from code, it causes the error.  
> Double-click on the same procedure in the database window and it runs  
> fine.  
>  
> I have had this error occur in other contexts when I have tried to  
> perform certain stored procedures by launching them from code. And I  
> especially get this error if I ever try to do anything non-trivial by  
> using ADO recordsets within code.  
>  
> And finally...  
>  
> d) If you have upgraded your server recently, then there could be a  
> problem with MDAC. You could look into updating the MDAC.  
>  
> My employer is a Fortune 500 company with close contacts with

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- > *Microsoft. I know that they get Microsoft security and other updates*
- > *on a daily (if not hourly basis) which are passed to my machine by*
- > *Marimba pushes. So, I'm thinking that I should have the latest*
- > *iteration of patches and service packs currently available.*
- >
- > *Any help that you could provide will be greatly appreciated!! (I*
- > *really need to move on from 2147217871 --- at least to a smaller*
- > *error number.) \**

Okay. I'm going to answer my own question. After spending many more hours on this thing, I finally have stumbled across the solution to the persistent Timeout Expired problem. (I wish I could bill Microslop for all the time I spend trying to get their junk to work at a minimal level.) I hope this saves someone out there some time.

To restate the basic problem:

Certain stored procedures (usually those working against large SQL Server tables or with complex logic) would timeout before completion in an Access project (.adp). I have tried all of the usual recommendations including setting the Access Project Connection Timeout value to 0 (unlimited timeout time). BTW: this can be set from File – Connection – Advanced.

My mistake was in thinking that this was actually working. Wrong.

Here is the basic code:

```
Dim cmd As ADODB.Command
Dim rstExecute As New ADODB.Recordset

Set cmd = New ADODB.Command
Set cmd.ActiveConnection = CurrentProject.Connection

cmd.CommandTimeout = 0
cmd.CommandText = "sp_BackupDatabase"
cmd.CommandType = adCmdStoredProc
cmd.Parameters.Append cmd.CreateParameter(Name:="@SQLDBName",
Type:=adVarChar, Direction:=adParamInput, Size:=100)
cmd.Parameters.Append cmd.CreateParameter(Name:="@BackupPath",
Type:=adVarChar, Direction:=adParamInput, Size:=500)

'Execute the stored procedure using the passed parameters.
cmd.Parameters("@SQLDBName").Value = "DataSanitizerSQL"
cmd.Parameters("@BackupPath").Value = "c:\Program Files\Microsoft
SQL Server\MSSQL\BACKUP\DataSanitizerSQL_1.dat"

Set rstExecute = cmd.Execute
```

Notice that I have explicitly set the cmd object CommandTimeout property to 0 (even though this is set to the CurrentProject.Connection

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which CommandTimeout property has already been set to zero). Well, that would be using sloppy non-Microsoft logic. Without the line (cmd.CommandTimeout = 0), this procedure will incur a timeout expired error. With it, everything runs properly. Bill! Put some of your 50 billion \$ reserve in QA.

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JL Gates

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