

Re: Proper Database Connection Cleanup

Source:

<http://www.tech-archive.net/Archive/Scripting/microsoft.public.scripting.vbscript/2007-04/msg00137.html>

- *From:* "Bill James" <wgjames@xxxxxxxx>
 - *Date:* Sun, 8 Apr 2007 16:03:16 -0500
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The information about this happening only when the page is reloaded before the first request completes is your clue. If the page is taking a long time to process the recordset and you get another access during that time, think about what is happening in that case.

You might want to investigate GetRows as both a performance enhancement and possible solution to your problem. GetRows will read the entire recordset into a 2 dimensional array, allowing you to close the recordset right away instead of keeping it open to move through the records. It's so much faster also, because you aren't having so many requests to the database. I always use it unless I just need one or 2 records. Once you get the hang of it it's not that difficult.

Also make sure you are using the correct cursor type.

Bill James

"Jonathan" <Jonathan@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:9495FFE3-D56E-460F-86B4-EC07FBCAA9B1@xxxxxxxxxxxxxxxxxxxxxxxx

Here are the modified functions I use to open/close a database connection.

```
Public Sub ConnectToDB2(byref XCmd, byref YRS, byRef Conn)
```

```
'this function connects to the database
```

```
Set Conn = Server.CreateObject("ADODB.Connection")
```

```
Conn.Mode = 3
```

```
Conn.Open ("DRIVER={MySQL ODBC 3.51
```

```
Driver};SERVER=localhost;DATABASE=DB;USER=root;PASSWORD=blahblahblah;OPTION=3;")
```

```
Set XCmd= Server.CreateObject("ADODB.Command")
```

```
XCmd.ActiveConnection = Conn
```

```
Set YRS = Server.CreateObject ("ADODB.Recordset")
```

```
end Sub
```

```
Public Sub CloseDBCon(Byref XObjCmd, byref YObjRS, byref ZObjCon)
```

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```
Set XObjCmd.ActiveConnection = Nothing
If YObjRS.State <> 0 then YObjRS.Close
ZObjCon.Close
Set XObjCmd = Nothing
Set YObjRS = Nothing
Set ZObjCon = Nothing
```

End Sub

All of my pages are having issues with a resource in use, but they only happen when you double click the link before the page loaded from the initial click. The exception to this is my login page with has a submit button that refers back to the same file with a redirect after the user enters a password. A second redirect is used if the user entered the right password. At this point a internal sever error (500) or a resource in use error occurs depedning if I am looking at the page on my network or over the internet respectively.

I do call the CloseDBCon function before the redirect. This should clean up all open DB connections.

I was using the same objRS on the page for multiple queries but I think its fixed now. Here's what I did.

```
ObjCmd.CommandText = sqlstring
Set ObjRS = ObjCmd.Execute
```

..... use data from DB

```
ObjRS.Close
ObjCmd.CommandText = sqlstring
Set ObjRS = ObjCmd.Execute
```

I didn't think I needed to close ObjCmd. I do use ObjRS and ObjCmd in some of my include pages. A connection is made with these variables on my page at the first few lines and then the include files start a query with them. I would assume that this is ok because they are opened in the main page.

I have server-side ASP script debugging enabled, but this issue doesn't generate a Just-in-Time debugging opportunity. I'm wondering if the error is from DB connections in my code or from something else? The ADO DB objects are the only objects I use. Really the only debug info I'm getting from IIS is internal server error or resource in use.

Last, I am using MySQL. Do they have a limit for the maximum DB connections somewhere? I am new to using their database and I do connect two or three times in some cases.

Thanks for the help.

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"Richard Mueller [MVP]" wrote:

When I am done with a recordset I use the Close method. I can reuse the object by assigning another query and then use Open again. When the program is done, I use the Close method of the Recordset and Connection objects.

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Richard Mueller
Microsoft MVP Scripting and ADSI
Hilltop Lab – <http://www.rlmuellet.net>
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"Bill James" <wgjames@xxxxxxxx> wrote in message news:eqrDJsaeHHA.4564@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Two suggestions to add to your cleanup.

```
Set ObjCmd.ActiveConnection = Nothing  
ObjRS.Close
```

Also, your statement, "This code will be used over and over", makes me wonder if you are using the same recordset variable multiple times in the same page.

--
Bill James

"Jonathan" <Jonathan@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:590224D5-3D64-4C70-AD3A-51335E1357DB@xxxxxxxxxxxxxxxxxxxxxxxx

I am running IIS with classic ASP and I am having issues loading some of my pages. I get an error that says:

"The requested resource is in use. "

What I want to do is have a function to open the database in an include file. This code will be used over and over so it needs to be in one spot. Here is the code that I am using in an include file named DB.inc:

```
Public Sub ConnectToDB2(byref XCmd, byref YRS, byRef Conn)
```

'this function connects to the database

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```
Set Conn = Server.CreateObject("ADODB.Connection")
Conn.Mode = 3
Conn.Open ("DRIVER={MySQL ODBC 3.51
Driver};SERVER=localhost;DATABASE=DB;USER=admin;PASSWORD=blahblahblah;OP

Set XCmd= Server.CreateObject("ADODB.Command")
XCmd.ActiveConnection = Conn
Set YRS = Server.CreateObject ("ADODB.Recordset")
end Sub
```

In my pages, I open the database by calling ConnectToDB2
ObjCmd, ObjRS,
ObjCon At the end of the page, I clean everything up like
this:

```
Set ObjRS = Nothing
Set ObjCmd = Nothing
ObjCon.Close
Set ObjCon = Nothing
```

Any ideas why I keep getting the resource in use errors? I
have several
include files but the database is opened in my page. The
page includes the
inc files that manipulate the data from the DB. To have only
one DB
connection object, I open the DB only once in my page and
clean it up at
the
end.

Thanks for any ideas.