

## SQL Server 2000 (Application) Role accessed through ADO.NET

*Source:* <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2003-05/0114.html>

---

*From:* Shri ([subsandnews\\_at\\_hotmail.com](mailto:subsandnews_at_hotmail.com))

*Date:* 05/09/03

Date: Fri, 9 May 2003 07:21:27 -0700

I should have done this before. I searched for "sp\_setapprole" and found the answer sent by Mr. Darko Grujic on 3/28/2003 11:20:52 PM (Thank you Sir). The link you mentioned...

<http://support.microsoft.com/default.aspx?scid=KB:EN-US;Q229564>

...helped me.

All I had to do was put "Pooling=False" in my connection string. Now with this I am able to execute N number of SQL statements. Now the question is will I be able to execute a couple of INSERT or UPDATE statements within a transaction of the Connection object using sp\_setapprole in the method I mentioned?

"Darko Grujic" <[darkogrujic@hotmail.com](mailto:darkogrujic@hotmail.com)> Sent: 3/28/2003 11:20:52 PM

>-----Original Message-----

>Hello World,

>

>My goal is to use windows authentication only but stop users from connecting to SQL Server through other MSOffice

>tools (like MSAccess link tables) and manipulate data in the database.

>

>The database role (Application role) claims to answer my question and give only applications access to the database.

>

>I created a method which takes in an SQL statement as a parameter and execute it. So inside the method....

>  
>1. I establish the connection to the database  
>using "Integrated Security" (for windows authentication)  
>through the Connection Object of ADO.NET  
>  
>2. I execute sp\_setapprole stored procedure (providing  
the  
>app role name and password that has already been created  
>on the database I am trying to access).  
>  
>3. Then I execute the SQL statement passed to the method  
>using the command object's ExecuteReader method and store  
>the output in a DataReader.  
>  
>4. I close the connection and return the contents of the  
>DataReader.  
>  
>With the above approach, only one SQL Statement executes.  
>As soon as I call the method for the second time, the  
>method fails when it is trying to execute the  
>sp\_setapprole. I get a "General network error. Check your  
>network documentation" error.  
>  
>One other observation : When I don't close the connection  
>or dispose it, I am able to execute the method for only  
>nine times. The tenth time the method is called, I get  
the  
>same error.  
>  
>My need is that I should be able to call the method any  
>number of times (that is to call sp\_setapprole before I  
>execute my SQL statement).  
>  
>My development environment is VB.NET on .NET Framework  
1.0  
>and SQL Server 2000. The underlying operating system is  
>Windows 2000.  
>  
>Any ideas somebody.... anybody.... HAAAAALP!!  
>  
>In advance, I thank you for your help. Also I thank all  
>those intelligent grey cells for the time and energy they  
>spent to understand the problem and worked towards the  
>solution :)  
>  
>  
>