

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

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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

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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 :)