

Re: Database connection issue using SQL schema user account

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2008-01/msg00102.html>

- *From:* "Mary Chipman [MSFT]" <mchip@xxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 11 Jan 2008 11:25:10 -0500
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User-schema separation has introduced a whole new level of confusion that didn't exist before SQLS 2005. For example:

--Schemas are intended to be used for grouping objects, much like a namespace. They can simplify permissions insofar as being able to have new objects created inside of a schema inherit permissions assigned to the schema, but no permissions are inherited from a schema by users; they are only inherited by the database objects inside the schema.

--The dbo user account is not the same thing as the dbo default schema. The dbo user maps to db_owner/sysadmin. The dbo schema in 2005 serves the purpose of providing a default schema that is backwards compatible with earlier versions.

--Users who are assigned the dbo schema do not inherit the permissions of the dbo user account. There is no reason why you need to have schemas owned by different users who have restricted privileges -- dbo can work just fine because each schema can have its own set of permissions that objects inherit that are independent of the dbo user account.

It looks to me like you may have created users with restricted permissions by granting them only db_datareader and db_datawriter roles. That means they don't have permission to do anything else but read and write data in one particular database. So I think the issue may be one of permissions rather than schemas, although it's hard to tell without knowing more about it. I'd recommend taking a look at SQLS BOL <http://msdn2.microsoft.com/en-us/library/ms190387.aspx>, ADO.NET <http://msdn2.microsoft.com/en-us/library/bb669061.aspx> and SQL Server MVP Erland Sommarskog's web site <http://www.sommarskog.se/grantperm.html>. This will help you get a handle on designing an appropriate security model that will work for you.

--Mary

On Wed, 9 Jan 2008 03:57:20 -0800 (PST), mcotter@xxxxxxxxxxxxxxxx

Re: Database connection issue using SQL schema user account

wrote:

Thanks for your responds William.

I believe the initial catalog parameter is not required because I set the default database setting when creating the user login account. I tried this parameter anyways but still received the same error.

I am still in the development phase of this project so the deployment setup is not an option. I am still puzzled why you must be a local administrator or a dbo to attach a database. This requirement eliminates the powerful use of database schemas. Is this an oversight by Microsoft or am I missing something

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