

## Re: Which Method to Create a Database Do I Use?

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2007-06/msg00097.html>

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- *From:* "Jonathan Wood" <[jwood@xxxxxxxxxxxxxxxxxxx](mailto:jwood@xxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sun, 10 Jun 2007 17:41:33 -0600
- 

I'm going to order your book. But if I do it online, I won't have it for a while. Can you help me find this white paper that addresses this? I browsed one of your links but it's pretty linear and didn't see anything that looked like what you described.

BTW, on my new Vista machine, the start menu includes:

Microsoft SQL Server 2005  
>> Configuration Tools  
>> SQL Server Configuration Manager  
>> SQL Server Error and Usage Reporting  
>> SQL Server Surface Area Configuration

I briefly ran SQL Server Configuration Manager but didn't run across anything about access rights, and I'm unsure if that's the tool to help me if I'm using SQL Server Express.

Thanks.

—

Jonathan Wood  
SoftCircuits Programming  
<http://www.softcircuits.com>

"William (Bill) Vaughn" <[billvaRemoveThis@xxxxxxxxxx](mailto:billvaRemoveThis@xxxxxxxxxx)> wrote in message  
[news:%23V0IXa7qHHA.4764@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23V0IXa7qHHA.4764@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Okay, once the database is built, you have to get rights to access it. SQL Server has two security modes: SSPI (or Integrated) and "SQL Server" authentication. The latter is disabled by default which means you'll need to depend on SSPI security. This mode assumes that the Windows User (you in the case of a Windows Forms application) or IIS (in an ASP application) has rights to access the SQL Server itself and the database mentioned as the initial catalog in the Connection String.  
To set this up, you need to use SQL Server Management Studio (Express) to make sure that the IIS account for your server has rights to the database. See the whitepapers on my blog for a few more details or Chapter 9 of my book for a lot more...

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Re: Which Method to Create a Database Do I Use?

William (Bill) Vaughn  
Author, Mentor, Consultant  
Microsoft MVP  
INETA Speaker  
www.betav.com/blog/billva  
www.betav.com

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Visit [www.hitchhikerguides.net](http://www.hitchhikerguides.net) to get more information on my latest book:  
Hitchhiker's Guide to Visual Studio and SQL Server (7th Edition)  
and Hitchhiker's Guide to SQL Server 2005 Compact Edition (EBook)

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"Jonathan Wood" <jwood@xxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:ONo\\$zu6qHHA.4108@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:ONo$zu6qHHA.4108@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi Bill,

In fact, I visited the bookstore today, but looks like I'd most likely need to go online to find yours.

But I could sure use some help. Is there any clue you could offer as to the following?

I right-clicked my App\_Data folder in the Solution Explorer and selected Add New Item.

I added an SQL Database named BlackBelt (BlackBelt.mdf). This worked and I was able to define several tables and relationships and also populate the tables.

Then I placed the following in my web.config file:

```
<add name="BlackBelt"  
connectionString="Server=localhost\SQLEXPRESS;Integrated  
security=SSPI;Initial Catalog=BlackBelt"/>
```

My code then includes the following line:

```
string connString =  
WebConfigurationManager.ConnectionStrings["BlackBelt"].ToString();
```

But the following code produces an error:

```
using (SqlConnection conn = new SqlConnection(connString))  
{  
// Open database connection  
conn.Open(); // ERROR HERE
```

The error is:

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"Cannot open database "BlackBelt" requested by the login. The login failed. Login failed for user 'Jonathan-PC\Jonathan'."

I do not get the SSPI part and if I change that to True, I get the same exact same error except that it does not show it to me in the IDE like the first syntax did.

I would be extremely grateful for even the slightest clue.

Thanks.

--  
Jonathan Wood  
SoftCircuits Programming  
<http://www.softcircuits.com>

"William (Bill) Vaughn" <billvaRemoveThis@xxxxxxxxxx> wrote in message [news:%23qEMG7vqHHA.1208@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23qEMG7vqHHA.1208@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

The DBO you're seeing in the server explorer is the database "owner" designation. This permits the server to tie the identity of the object (the database in this case) to a specific user/login account.

I've written a number of whitepapers on connecting that can be found on my blog. I also devote an entire chapter to the subject in my book. Yes, it can be very frustrating until you get a feel for how things work. Lots of folks have figured it out, even old guys like me... ;)

hth

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William (Bill) Vaughn  
Author, Mentor, Consultant  
Microsoft MVP  
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Re: Which Method to Create a Database Do I Use?

"Jonathan Wood" <jwood@xxxxxxxxxxxxxxxx> wrote in message

news:uxKoO0vqHHA.3372@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Bill,

I don't know why this is so infuriatingly difficult. I would say I get a successful database connection maybe one out of every hundred attempts. And the messages are virtually useless.

Here's the current:

```
{ "Cannot open database \"BlackBelt\"
requested by the login. The login
failed.\\r\\nLogin failed for user
'Jonathan-PC\\Jonathan'." }
```

I don't know how much hair I can withstand pulling out before this starts making a bit of sense to me.

Thanks.

(Also, I noticed that, when I create a database via the Server Explorer, it appears to create a DBO file instead of an MDF file. There seems to be other differences as well. I've been programming for a hundred years (almost) but feel completely useless right now.)

--

Jonathan Wood  
SoftCircuits Programming  
<http://www.softcircuits.com>

"William (Bill) Vaughn"

<billvaRemoveThis@xxxxxxxx> wrote in message

news:%23UKpvJvqHHA.4624@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Either method is acceptable.  
They both create a database  
.mdf file that can be  
populated with appropriate  
schema. As a matter of fact,  
there are probably a

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half-dozen ways to create a database and populate it with schema. The fact that you're going to use it in an ASP project suggests that the SQL Server engine be located on another system in a heavily used production application, but for most other installations it does not make much difference.

I discuss how to decide in depth in my book.

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William (Bill) Vaughn  
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"Jonathan Wood"  
<[jjwood@xxxxxxxxxxxxxxxxxx](mailto:jjwood@xxxxxxxxxxxxxxxxxx)>  
wrote in message  
[news:%23iHid8uqHHA.3380@xxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23iHid8uqHHA.3380@xxxxxxxxxxxxxxxxxxxxxxxxxx)

It appears  
there are  
two  
methods for

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creating a database as part of an ASP project.

I can use the Server Explorer and create a database that I can't easily see as a file, and create a connection. On the other hand, I can right click in the Solution Explorer window and select Add New Item, and then create an SQL Database. This creates an MDF file directly.

I'm having trouble getting up to speed on the database stuff and have two seemingly unrelated ways to create my database makes it all the more confusing.

Can anyone explain the

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difference  
between  
these two  
methods,  
and then  
help me  
understand  
which is the  
best method  
for creating  
a database  
to be used  
by my Web  
page?

Thanks!

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Jonathan  
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