

RE: Problems with WebParts

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2005-07/msg04268.html>

- *From:* "Shaun" <Shaun@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 27 Jul 2005 07:06:02 -0700
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I'm not WebParts expert – just getting it all straight in my head now, but I have seen this problem a couple of times and know what it is about.

Firstly you must have the aspnetdb personalization installed – this can be done with the aspnet_regsql.exe tool that lives in the Framework 2.0 directory (%systemroot%\Microsoft.Net\v2.0.50215 on my machine), there are several good articles on using this and also running at prompt with /? will list what you can do also).

When that is installed you need to make sure that the connection strings being used are correct. By default these are inherited from the web.config in the CONFIG folder of the framework (above folder). It expects a connectionstring names "LocalSqlServer" which uses integrated security to get to a database called aspnetdb.

If this connection fails it tries to create the data itself I believe.

What I have done to sort this out is to add the providers to my web.config so that they override the framework settings (web.config in CONFIG folder), making sure that they use a valid connection string. Once this is in place you should be good to go and not see this message again – I think the error message it is a little misleading.

Here's a copy of a web.config that works for me – you'll need to update the connection string of course (this is with Visual Studio 2005 Beta2).

Note the providers under Membership, RoleManager and WebParts sections – I am guessing you do not have one for webparts at the moment and this is the cause of your problem.

```
<?xml version="1.0" encoding="utf-8"?>
<configuration xmlns="http://schemas.microsoft.com/.NetConfiguration/v2.0>
  <appSettings />
  <connectionStrings>
    <clear />
    <add name="aspnetdbConnectionString"
      connectionString="server=(local);database=aspnetdb;uid=sa;pwd=sa"
```

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```
providerName="System.Data.SqlClient" />  
</connectionStrings>  
<system.web>  
<membership>  
<providers>  
<remove name="AspNetSqlMembershipProvider" />  
<add connectionStringName="aspnetdbConnectionString"  
name="AspNetSqlMembershipProvider"  
type="System.Web.Security.SqlMembershipProvider, System.Web,  
Version=2.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a" />  
</providers>  
</membership>  
<roleManager enabled="true">  
<providers>  
<remove name="AspNetSqlRoleProvider" />  
<add connectionStringName="aspnetdbConnectionString" applicationName="/"  
name="AspNetSqlRoleProvider" type="System.Web.Security.SqlRoleProvider,  
System.Web, Version=2.0.0.0, Culture=neutral,  
PublicKeyToken=b03f5f7f11d50a3a" />  
</providers>  
</roleManager>  
<authentication mode="Forms" />  
<authorization>  
<deny users="?" />  
</authorization>  
<compilation debug="true" defaultLanguage="c#" />  
<webParts enableExport="true">  
<personalization>  
<providers>  
<clear />  
<add connectionStringName="aspnetdbConnectionString"  
name="AspNetSqlPersonalizationProvider"  
type="System.Web.UI.WebControls.WebParts.SqlPersonalizationProvider,  
System.Web, Version=2.0.0.0, Culture=neutral,  
PublicKeyToken=b03f5f7f11d50a3a" />  
</providers>  
  
<authorization>  
<deny users="*" verbs="enterSharedScope" />  
<allow users="*" verbs="modifyState" />  
</authorization>  
</personalization>  
  
<transformers>  
<add name="RowToFieldTransformer"  
type="System.Web.UI.WebControls.WebParts.RowToFieldTransformer" />  
<add name="RowToParametersTransformer"  
type="System.Web.UI.WebControls.WebParts.RowToParametersTransformer" />  
</transformers>  
</webParts>
```

</system.web>
</configuration>

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"Asteria" wrote:

> I seem to be having a problem using web parts after the beta 2 release. Any
> time I try to have the WebPartManager on any page, I get the exception listed
> below. I've gone through the steps listed below and have gone as far as
> given EVERYONE full control of the App_Data folder. I am using the default
> settings (which I assume is the Cassini web server), so I believe it is a
> user permissions problem. Furthermore, if I publish the site under IIS, it
> works fine. What am I missing and how can I make sure that my user has
> dbcreator privileges for SQLEXPRESS?

>
> Thanks in advance.

>
>
> Exception below

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>

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>

> Failed to generate a user instance of SQL Server due to a failure in
> starting the process for the user instance. The connection will be closed.
> Description: An unhandled exception occurred during the execution of the
> current web request. Please review the stack trace for more information about
> the error and where it originated in the code.

>
> SQLEXPRESS database file auto-creation error:

>
>

> The connection string specifies a local SQL Server Express instance using a
> database location within the applications App_Data directory. The provider
> attempted to automatically create the application services database because
> the provider determined that the database does not exist. The following
> configuration requirements are necessary to successfully check for existence
> of the application services database and automatically create the application
> services database:

>
>

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- > If the applications App Data directory does not already exist, the web
- > server account must have read and write access to the applications directory.
- > This is necessary because the web server account will automatically create
- > the App Data directory if it does not already exist.
- > If the applications App Data directory already exists, the web server
- > account only requires read access to the applications App Data directory.
- > This is necessary because the web server account will attempt to verify that
- > the SQL Server Express database already exists within the applications
- > App Data directory. Note that revoking read access on the App Data directory
- > from the web server account will prevent the provider from correctly
- > determining if the SQL Server Express database already exists. This will
- > cause an error when SQL Server Express attempts to create a duplicate of an
- > already existing database.
- > SQL Server Express must be installed on the machine.
- > If the application services database does not already exist, the SQL Server
- > Express service account must have read and write access to the applications
- > App Data directory. This is necessary because the SQL Server Express service
- > account will create the application services database.
- > The web server account used to connect to SQL Server Express must have
- > rights to create a new database.
- > When using the local web server(Cassini) installed with Visual Studio, the
- > logged-in user needs the dbcreator privilege in the appropriate SQL Server
- > Express instance.
- > When using IIS, the process account needs the dbcreator privilege in the
- > appropriate SQL Server Express instance. Only consider granting a process
- > account dbcreator privilege on secure development machines. Do not grant the
- > dbcreator privilege on production machines without fully investigating and
- > understanding the security ramifications of running a production web server
- > with the dbcreator privilege. The process account requiring dbcreator
- > privilege varies depending on operating system platform and ASP.NET
- > configuration settings:
- > For IIS5, and IIS6 running in IIS5 isolation mode, the default web server
- > account is the local ASPNET machine account.
- > For IIS6 native mode, the default web server account is NETWORK SERVICE.
- > If application impersonation is enabled, then the application impersonation
- > account requires the dbcreator privilege.
- > If an explicit account was specified for the web server process (either in
- > the <processModel> element for IIS5 and IIS5 isolation mode, or the
- > application pool account on IIS6), then the explicit account requires the
- > dbcreator privilege.
- >
- > *****
- > *****
- > end exception (minus the stack trace)
- >
- >
- >

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