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Changing dataset connectionstring at runtime vs2010

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I found a solution that must be for a older version then vs2010. I would like to know how to do this for vs2010? Does anyone know?

<http://www.csharpbydesign.com/2008/01/overriding-dataset-settings-co.html>

Let me explain little more detail.

I have a c# generated dataset. How can I change the connection string so I can use the dataset with another (identically structured yet differently populated) database? This has to occur at runtime as I do not know the server or database name at compile time. i AM USING vs2010 and SQL Server 2008 R2 Express

c# sql dataset

edited Feb 19 '13 at 16:38

asked Feb 19 '13 at 16:24



user1304232
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what do you mean? Do you mean you want to begin reading from one connection at run time and then switch connections in the middle of the read? – Mike_Matthews_JI Feb 19 '13 at 16:31

You should note that you mean a strongly typed DataSet which is created through desinger. – Tim Schmelter Feb 19 '13 at 16:32

1 Answer

I think there is no simple way and you cannot change the Connection-String programmatically for the entire DataSet since it's set for every TableAdapter .

You need to use/create the partial class of the TableAdapter to change the connection-string since the Connection property is internal (if your DAL is in a different assembly). Don't change the designer.cs file since it will be recreated automatically after the next change on the designer. To create it just right-click the DataSet and chose "show code".

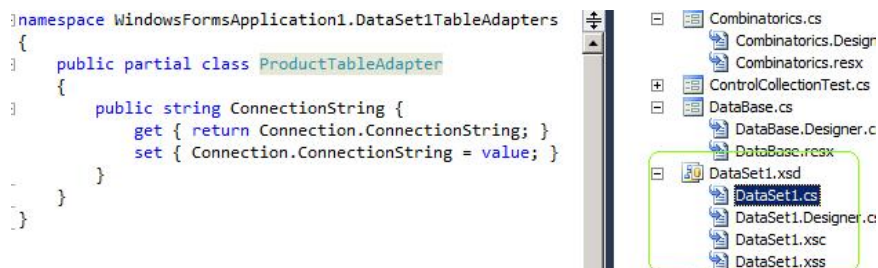
For example (assuming the TableAdapter is named ProductTableAdapter):

```
namespace WindowsFormsApplication1.DataSet1TableAdapters
{
    public partial class ProductTableAdapter
    {
        public string ConnectionString {
            get { return Connection.ConnectionString; }
            set { Connection.ConnectionString = value; }
        }
    }
}
```

Now you can change it easily:

```
var productTableAdapter = new DataSet1TableAdapters.ProductTableAdapter();
productTableAdapter.ConnectionString = someOtherConnectionString;
```

Here's a screenshot of my sample DataSet and the created file DataSet1.cs :



edited Feb 19 '13 at 20:53

answered Feb 19 '13 at 16:42

**Tim Schmelter**

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Thanks for the help Tim. When i tried to add the code Connection was not found. – [user1304232](#) Feb 19 '13 at 17:00

@user1304232: So have you created a class with the same name as your DataSet designer? The `partial` attribute and the correct namespace are important. Look into the `...designer.cs` file if you are not sure how they are named. Edited my answer to show a screenshot. – [Tim Schmelter](#) Feb 19 '13 at 17:12

Got it. That's what i needed. Thanks. – [user1304232](#) Feb 19 '13 at 18:17