

# Re: Dataset not Clearing

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2008-02/msg00956.html>

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- *From:* "tshad" <tshad@xxxxxxxxxxxxxxxx>
  - *Date:* Tue, 12 Feb 2008 08:48:19 -0800
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"tshad" <tfs@xxxxxxxxxxxxxxxx> wrote in message  
<news:%23PSUnwYbIHA.5208@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

"tshad" <tfs@xxxxxxxxxxxxxxxx> wrote in message  
<news:OXe9LtYbIHA.4712@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

"Michael Nemtsev [MVP]" <nemtsev@xxxxxxx> wrote in message  
<news:900895ec2b04a8ca3bd88ac7f170@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Hello tshad,

Seems that it's code optimization :)  
Try to trace the dataSet content after clearing it in release mode.  
Because I assume that in debug it just don't clear it when u ask and keep it till u either override it or exit the function

That doesn't appear to be the case, because it is getting cleared.

Only the column names are not getting cleared.

Also, after the ds.Clear(), even though there is no table data (rows[0][0] will give a System.IndexOutOfRangeException), ds.Tables.Count still shows as 1. So certain things are cleared from the ds as well as certain table information, but not all of it.

I found that I can do:

```
ds.Tables.Clear()
```

And that seems to clear everything. I say "SEEMS TO" because I am not sure if there are other things that don't get cleared but haven't run into them yet.

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It may be that you need to issue both.

I would like to see what each does clear just to make sure, but I can't seem to find anything about it.

Thanks,

Tom

I found out how to make it work, I just don't know why I would have to do this:

If I add `ds.tables.clear()` after `ds.clear()`, this will clear the column names as well.

This doesn't make sense to me as I would have thought that `ds.clear` (which gets rid of the tables) would also get rid of the columns names for the tables which now don't exist.

Thanks,

Tom

If I trace it through, before my `da.Fill()` I get:  
`ds.Tables[0].Rows[0][0]` 'ds.Tables[0]' threw an exception of type 'System.IndexOutOfRangeException' object  
{System.IndexOutOfRangeException}

This is the same on both passes (which is expected).

For column names it is the same:  
`ds.Tables[0].Columns[0].ColumnName` 'ds.Tables[0]' threw an exception of type 'System.IndexOutOfRangeException' string  
{System.IndexOutOfRangeException}

But it is only the same on the first pass. On the second pass, the rows show as out of range, but the column names are the same as I set them on the first pass.

The problem is that on the first pass, the column names are what is in the 1st column of row 0 of the csv file (which is what I want). But on the 2nd pass, it stays what I changed it to and never picks up the 1st column of the 2nd file. The problem is that this column tells me what type of file I am dealing with.

Why doesn't it read the first column here?

My connection string says to use the headers from the 1st row, which it

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does on the first file:

```
OleDbConnection csvConnection = new  
OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" +  
csvPath + ";Extended Properties=\\"Text;HDR=Yes;FMT=Delimited\");
```

```
"HDR=Yes;"
```

Thanks,

Tom

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WBR, Michael Nemtsev [.NET/C# MVP] :: blog:

<http://spaces.live.com/laflour>

"The greatest danger for most of us is not that our aim is too high and

we miss it, but that it is too low and we reach it" (c)

Michelangelo

t> I am trying to clear my dataset each time I read a new csv file but

t> it seems to keep the data from the previous time.

t> t> If I do:

t>

```
*****
```

t> \*\*\*\*\*

```
t> foreach (string strFile in strFiles)
```

```
t> {
```

```
t> ds.Clear();
```

```
t> da = new OleDbDataAdapter("SELECT * FROM " +
```

```
t> Path.GetFileName(strFile),csvConnection);
```

```
t> da.Fill(ds);
```

```
t> foreach (DataTable dt in ds.Tables)
```

```
t> {
```

```
t> for (int i=0;i<dt.Columns.Count-1;i++)
```

```
t> {
```

```
t> switch(i)
```

```
t> {
```

```
t> case 0:
```

```
t> formName = dt.Columns[i].ColumnName.Replace("Form "
```

```
","");
```

```
t> dt.Columns[i].ColumnName = "FieldName";
```

```
t> break;
```

```
t>
```

```
*****
```

t> \*\*\*\*\*

t> The second time I read a file (after the ds.Clear();) I find that my

t> dt.Columns[i].ColumnName will be equal to

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"FieldName", which is what

t> I change the column to the first time around!!!

t> t> Why is that?

t> t> It should be what is in the first row, first column of the table,

t> since I wiped out the table. If not, how do I get it to work

t> correctly?

t> t> Thanks,

t> t> Tom

t>