

Re: Failed to enable constraints. One or more rows contain values violating non-null, unique, or foreign-key constraints.

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2007-03/msg00306.html>

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- *From:* [nadeem\\_far@xxxxxxxxxx](mailto:nadeem_far@xxxxxxxxxx)
  - *Date:* 19 Mar 2007 19:40:12 -0700
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On Mar 17, 3:26 am, "Rad [Visual C# MVP]" <nos...@xxxxxxxxxx> wrote:

On 15 Mar 2007 21:05:27 -0700, nadeem\_...@xxxxxxxxxx wrote:

Hello Everyone,

We have a .net application (1.1 Framework) that uses a strongly typed dataset.

The application is in production for over 2 years.

One of the users recently reported that when he tried starting the app. in the morning it failed and the logs showed the following error details. After like 10 minutes or so he double clicks the app. and it starts up with no errors.

I have tried searching on this issue and most of the threads/articles discuss this issue in development environment. Has anyone faced this issue in production environment and most of all how to fix this strange error.?

The Typed dataset in question has two table only in a Master-Detail relationship.

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```
Source: System.Data
Message:Failedtoenableconstraints.Oneormorerowscontainvalues
violatingnon-null,unique, orforeign-keyconstraints.
Stack Trace: at System.Data.DataSet.FailedEnableConstraints()
at System.Data.DataSet.EnableConstraints()
at System.Data.DataSet.set_EnforceConstraints(Boolean value)
at System.Data.DataTable.EndLoadData()
at System.Data.Common.DbDataAdapter.FillFromReader(Object data,
String srcTable, IDataReader dataReader, Int32 startRecord, Int32
maxRecords, DataColumn parentChapterColumn, Object
parentChapterValue)
at System.Data.Common.DbDataAdapter.Fill(DataSet dataSet, String
srcTable, IDataReader dataReader, Int32 startRecord, Int32 maxRecords)
at System.Data.Common.DbDataAdapter.FillFromCommand(Object data,
Int32 startRecord, Int32 maxRecords, String srcTable, IDbCommand
command, CommandBehavior behavior)
at System.Data.Common.DbDataAdapter.Fill(DataSet dataSet, Int32
startRecord, Int32 maxRecords, String srcTable, IDbCommand command,
CommandBehavior behavior)
at System.Data.Common.DbDataAdapter.Fill(DataSet dataSet)
at Company.DataLayer.API.Database.CreateTradeCache(String
ProductID, String reportID)
at Company.DataLayer.API.Database.CreateReportCache(String
ProductID, String reportID)
at Company.DataLayer.API.Database.CreateUserCache(String userName)
at Company.DataLayer.API.Database.Login(String userName, Boolean
NotificationRequired)
```

Any help will be appreciated.

Nadeem

That error is pretty much as simple as it sounds ... some of the data being pushed into the dataset violates one or more of the constraints—foreign key or not null.

In your application logic do you make use of transactions? Perhaps the problem is due to the fact that some complicated transaction has only been partially completed, or some user input is simply invalid

—  
Bits.Bytes <http://bytes.thinkersroom.com> – Hide quoted text –

– Show quoted text –

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Hi Marina\Rad,

This is a windows app. The queries are running in the data tier.

And no, there are no transactions involved in this part of the code.  
Here is how its working

1. We have a Trade and products in a trade.
2. We clear out the product details table.
3. Clear out the trade table.
4. run the select on the trade table to get all the trades.
5. run the select to get all the products for each trade.

Also please note, we have a highly controlled production environment.  
All this happened in the morning when the user tried to load the app.

Hope this is helpful.

Thanks,

Nad

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