

# Web Service and Client

---

*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2006-06/msg00273.html>

---

- *From:* "zchrs" <[hrs@xxxxxxxxxxxxxxxx](mailto:hrs@xxxxxxxxxxxxxxxx)>
  - *Date:* 12 Jun 2006 04:26:53 -0700
- 

Introduction (as short and concise as possible!) – My colleague and I are new to ADO DotNet. We have as a reference the excellent Microsoft book by David Sceppa. Dev. environment is Delphi 2006 (not very important in this context as far as I can see). We are developing a Web Service (WS) which returns untyped ADO DotNet datasets built from Stored Procedures with joins from a Firebird database.

We are also developing a Windows Client for the WS. For each request the client retrieves a dataset, pulls a table out of it and adds this table to ONE master dataset on the client. One problem we've run into is that its not possible to add the same table of course to a dataset. So far we've managed to handle this by Remove table from dataset.

We've now run into a problem where our dataset comes over from WS with tables that have DataRelations. We've tried removing DataRelations but get a foreign key error. We haven't put any FK's on the tables (unless building the DataRelation is what does this) so we don't understand why this error occurs.

```
EX. myClientDataSet = WS.CustomerDataSet; //has table Customers
//Check if my table Customers already is in myClientDataSet if
so remove if CanRemove
//Else just add Customers to myClientDataSet
```

Perhaps our main problem is we are handling this scenario all wrong – i.e. WS sending datasets, client pulling tables from the datasets and adding all tables to one SINGULAR Client data set – we are simply not sure. At first we used separate data sets on the client but it seems to us the single ds is correct as we assume the idea is to emulate the db so for example if there are constraints to enforce its all in the on dataset????

In that we are using joins to supply the data, we are also concerned that our updates will be at best difficult – but I'll get back to that question!

Thanks for any and all assistance on this

