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**e-Transaction Aggregation & Analysis Layer**

**Technical Document  
on  
Creation of Client Connector**

January 2013



The **specifications** of Client Connector are given below:

**Web Method Name:** eTransactionCount

**Input Parameters:** The web method created for the purpose will have following parameters:

<b>SL #</b>	<b>Parameter Name</b>	<b>Format</b>	<b>Example</b>
1	TransactionDate	DD/MM/ YYYY	23/11/ 2012
2	UserName	String	DeiTy
3	Password	String	xYz#\$36F

**Response Type:** The web method will return either XML or dataset.

XML

<NeSD>

<response ServiceName='Service name 1' Count='123' />

<response ServiceName ='Service Name 2' Count ='28' />

</NeSD>

Format of dataset:

This will have following set of data: ServiceName, TransactionCount

# 1 SAMPLE CODE

## 1.1 WCF SERVICE WRITTEN IN C#.NET

### Interface

```
[ServiceContract]
public interface INeSDService
{
    [OperationContract]
    [FaultContract(typeof(InvalidCodeFault))]
    DataSet eTransactionCount(DateTime TransactionDate, string UserName, string Password);
}
```

### Implementation of Interface

```
public class NeSDService : INeSDService
{
    #region Call Stored Proc and Fetch eTransaction

    string ConnectionString = System.Configuration.ConfigurationSettings.AppSettings["connectionstring"];
    public DataSet eTransactionCount(DateTime TransactionDate, string UserName, string Password)
    {
        try
        {
            var parms = new SqlParameter[3];
            parms[0] = new SqlParameter("@TransactionDate ", TransactionDate);
            parms[1] = new SqlParameter("@UserName", UserName);
            parms[2] = new SqlParameter("@Password", Password);

            return (SqlHelper.ExecuteDataset(ConnectionString, CommandType.StoredProcedure, "speTransactionCount", parms));
        }
        catch (Exception ex)
        {
            throw new FaultException<InvalidCodeFault>(new InvalidCodeFault(ex.Message), new FaultReason(ex.Message));
        }
    }
}
#endregion Call Stored Proc and Fetch eTransaction
```