



Oracle Data Provider for .NET



1. INSTALAR ODP.NET

<http://www.oracle.com/technology/tech/windows/odpnet/index.html>

2. TNS (Revisar la Conexion a la base de datos)

```
# TNSNAMES.ORA Network Configuration File:  
C:\oracle\ora92\network\admin\tnsnames.ora  
# Generated by Oracle configuration tools.
```

```
DESA =  
  (DESCRIPTION =  
    (ADDRESS_LIST =  
      (ADDRESS = (PROTOCOL = TCP)(HOST = 200.200.200.2)(PORT = 1521))  
    )  
    (CONNECT_DATA =  
      (SERVICE_NAME = DESA)  
    )  
  )
```

3. Assembly

Oracle.DataAccess.dll assembly provides two namespaces:

The Oracle.DataAccess.Client namespace contains ODP.NET classes and enumerations.

The Oracle.DataAccess.Types namespace contains the Oracle Data Provider for .NET Types (ODP.NET Types).

4. Ejemplo en C#

```
using System;
using Oracle.DataAccess.Client;

class Example
{
    OracleConnection con;

    void Connect()
    {
        con = new OracleConnection();
        con.ConnectionString = "User Id=scott;Password=tiger;Data Source=oracle";
        con.Open();
        Console.WriteLine("Connected to Oracle" + con.ServerVersion);
    }

    void Close()
    {
        con.Close();
        con.Dispose();
    }

    static void Main()
    {
        Example example = new Example();
        example.Connect();
        example.Close();
    }
}
```

5. Ejemplo de Web Services con Visual Basic

```
Imports Oracle.DataAccess.Client
Imports Oracle.DataAccess.Types

<WebMethod(> Public Function GetItems(ByVal RutaID As String) As DataSet
    Dim myConnStr As String
    Dim mysql As String
    Dim myconn As OracleClient.OracleConnection
    Dim mydataadapter As OracleClient.OracleDataAdapter
    Dim mydataset As New DataSet
```

```
' establezca la cadena de conexion
myConnStr = "User Id=bodega;Password=bodega;Data Source=DESA;"
' establezca la instruccion de seleccion

mysql = "select " _
        & " producto, nombre, barra, precio " _
        & " from " _
        & " producto " _
        & " order by producto "

' Abra la conexion
myconn = New OracleClient.OracleConnection(myConnStr)
mydataadapter = New OracleClient.OracleDataAdapter(mysql, myconn)
mydataadapter.Fill(mydataset)
Return mydataset
End Function
```

6. Ejemplo en Visual Basic aplicacion Web usando el webservices

```
Private Sub btnGetData_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnGetData.Click
    Dim myDataSet As DataSet
    Dim PedidosWeb As New localhost.MyOrdersAccDet

    Try
        myDataSet = PedidosWeb.GetItems()
        dataGrid.DataSource = myDataSet
        dataGrid.DataBind()

    Catch
        Exit Sub
    End Try
End Sub
```