

Re: Best way to communicate from Desktop to SQL DB

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vb/2006-12/msg00261.html>

- *From:* "rowe_newsgroups" <rowe_email@xxxxxxxxxx>
 - *Date:* 30 Nov 2006 08:45:43 -0800
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Here's two sites that may help:

Connecting via ADO and ADO.Net with VB.Net and C#
<http://support.sas.com/ctx/samples/index.jsp?sid=817>

And for the connection strings:
<http://www.connectionstrings.com/>

Thanks,

Seth Rowe

Anil Gupte wrote:

Thanx, but the critical step that I do not know how to do is to connect to the remote SQL Server, in other words, how do I create a connection string to a remote server (I know the URL and IP address). Do I need to make any changes to the remote SQL server?

Thanx,

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Anil Gupte
www.keeninc.net
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"RobinS" <RobinS@xxxxxxxxxxxxxxxxxx> wrote in message
news:kNKdnV9vhrb_E_PYnZ2dnUVZ_hmdnZ2d@xxxxxxxxxxxxxxxxxx

You should communicate with the database directly, not through ASP pages.

Here's an example I have posted before. You can probably find gazillions others by searching these newsgroups from google groups. This one opens the database, reads the Product table, then iterates through it and shows the results.

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```
Dim ds As DataSet
'open the connection
'DBCConnectionString is in the Project Settings
Using cnn As New SqlConnection(My.Settings.DBCConnectionString)
cnn.Open()

'define the command
Dim cmd As New SqlCommand
cmd.Connection = cnn
cmd.CommandText = "SELECT * FROM Product"
'define the data adapter and fill the data table
Dim da As New SqlDataAdapter(cmd)
ds = New DataSet
da.Fill(ds, "Product")
End Using

For Each dr As DataRow In ds.Tables("Product").Rows
Dim ProductID As Integer = CType(dr.Item("ProductID"), Integer)
Dim ProductName As String = dr.Item("ProductName").ToString
Dim ProductNumber As String = dr.Item("ProductNumber").ToString
'Dim Price As Nullable(Of Decimal)
'If .Item("Price") IsNot DBNull.Value Then
' Price = CType(.Item("Price"), Decimal)
'End If
Dim Description As String = dr.Item("Description").ToString
'Dim ProductType As Integer = CType(.Item("ProductType"), Integer)
'Dim StockType As String = .Item("StockType").ToString
Console.WriteLine(String.Format("ProductID {0}, " & _
"ProductName {1}, {2}ProductNumber {3}, " & _
"Description {4}", ProductID, ProductName, _
ControlChars.CrLf, ProductNumber, Description))
Next
```

Robin S.

"Anil Gupte" <anil-list@xxxxxxxxxxxx> wrote in message
news:%23utT3IFFHHA.4080@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi All:

I am looking for general directions on "the right way" to do something, which is very critical to my application.

I want to communicate with a SQL server database on a Windows Server (in the future it could be a Linux MYSQL server, but I don't know for sure). My application is a desktop application and at various times it may need

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to communicate with the server to select, update records etc.

Now the question is, should I build ASP pages which perform the queries on the server and have the desktop application read the pages and parse them? If so how? Are there any samples (I have done something similar before in VB 6.0 where I embedded IE in the app and "Screen-scraped").

Or should I communicate with SQL queries directly with the server? If so how? Again, any tutorials etc online would help.

Thanx,

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