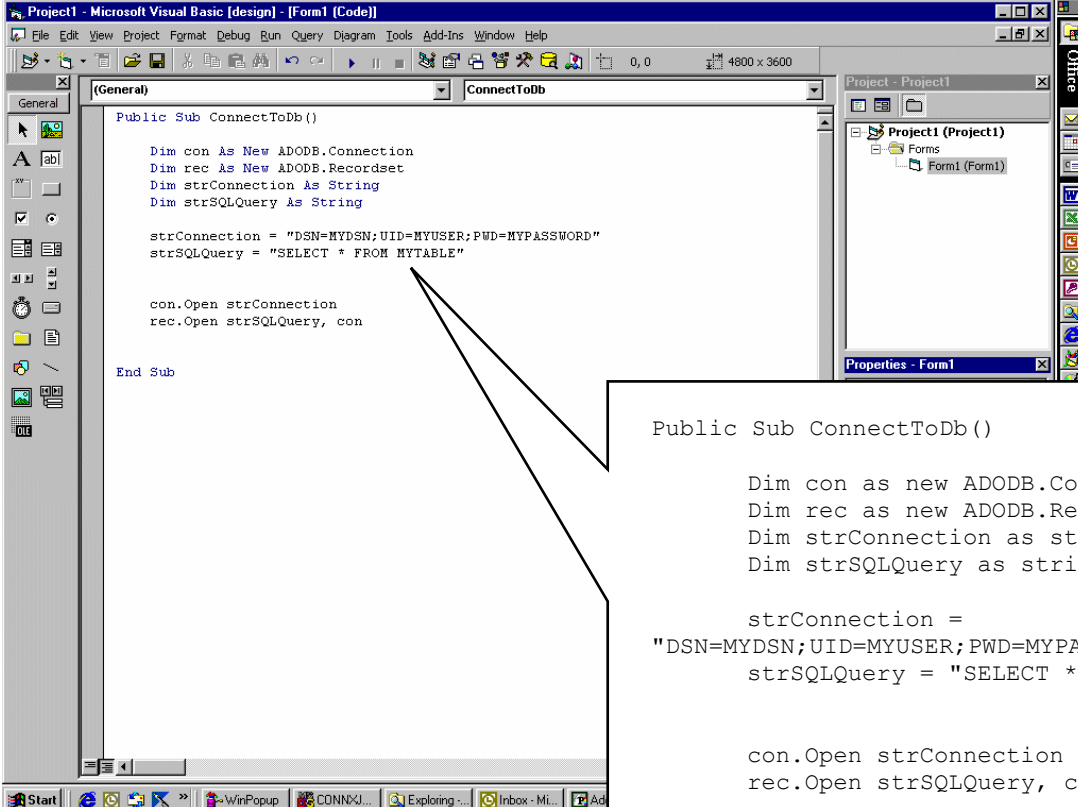


CONNX 9.0

Quick Reference Card

Using Visual Basic 6.0 to Access CONNX Data Sources

The following screen shot contains sample code using ADO* technology in Visual Basic 6.0. In the example, MYDSN is a DSN created on your computer. MYUSER and MYPASSWORD are valid CONNX user names and passwords. MYTABLE is any table located in a CONNX Data Dictionary (CDD). A connection string must be used with a connection object to open a connection to a server. A recordset requires a SQL query string and an open connection object to retrieve a recordset from a server.



```
Public Sub ConnectToDb()  
  
    Dim con As New ADODB.Connection  
    Dim rec As New ADODB.Recordset  
    Dim strConnection As String  
    Dim strSQLQuery As String  
  
    strConnection = "DSN=MYDSN;UID=MYUSER;PWD=MYPASSWORD"  
    strSQLQuery = "SELECT * FROM MYTABLE"  
  
    con.Open strConnection  
    rec.Open strSQLQuery, con  
  
End Sub
```

*To activate ADO in Visual Basic, select **References** under **Project** on the **File** menu. Select the check boxes for **Microsoft ActiveX Data Objects Library** and **Microsoft ActiveX Data Objects Recordset Library**. Click the **OK** button.

```
Public Sub ConnectToDb()  
  
    Dim con as new ADODB.Connection  
    Dim rec as new ADODB.Recordset  
    Dim strConnection as string  
    Dim strSQLQuery as string  
  
    strConnection =  
"DSN=MYDSN;UID=MYUSER;PWD=MYPASSWORD"  
    strSQLQuery = "SELECT * FROM MYTABLE"  
  
    con.Open strConnection  
    rec.Open strSQLQuery, con  
  
End Sub
```

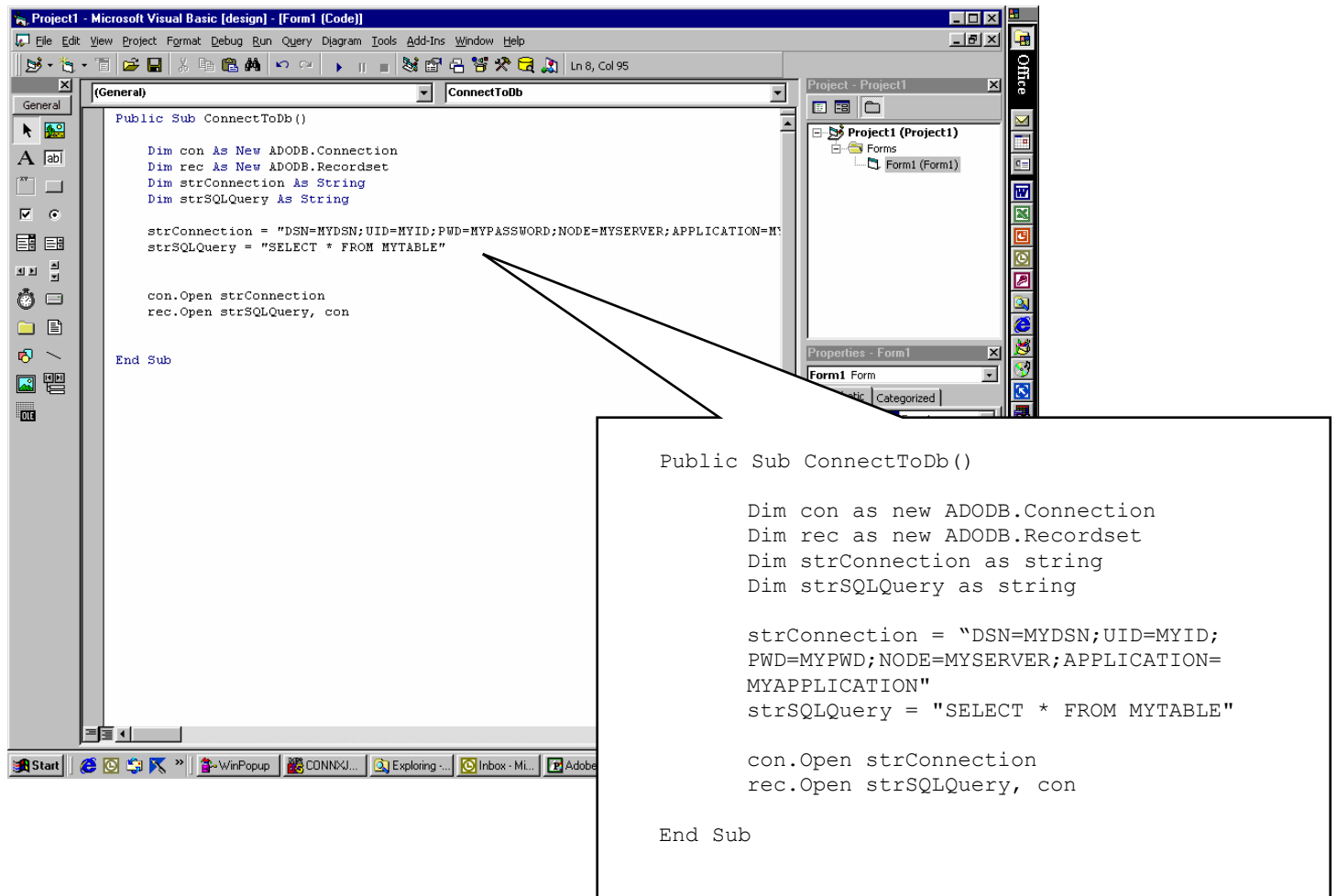
Using Visual Basic 6.0 to Access CONNX Data Sources

Page 2 of 2

Tip: Use the connection string “strConnection = “DSN=MYDSN;PROMPT=2” to enable the CONNX Integrated Login dialog box in Visual Basic.

If CONNX Integrated Security is not in use, add the NODE tag to the connection string as follows:

“DSN=MYDSN;UID=MYID;PWD=MYPWD;NODE=MYSERVER”



The image shows a screenshot of the Microsoft Visual Basic 6.0 IDE. The main window displays the code for a subroutine named `ConnectToDb()`. The code is as follows:

```
Public Sub ConnectToDb()  
  
    Dim con As New ADODB.Connection  
    Dim rec As New ADODB.Recordset  
    Dim strConnection As String  
    Dim strSQLQuery As String  
  
    strConnection = "DSN=MYDSN;UID=MYID;PWD=MYPASSWORD;NODE=MYSERVER;APPLICATION=MYAPPLICATION"  
    strSQLQuery = "SELECT * FROM MYTABLE"  
  
    con.Open strConnection  
    rec.Open strSQLQuery, con  
  
End Sub
```

A callout box on the right side of the image contains a simplified version of the same code, with the password field removed for clarity:

```
Public Sub ConnectToDb()  
  
    Dim con as new ADODB.Connection  
    Dim rec as new ADODB.Recordset  
    Dim strConnection as string  
    Dim strSQLQuery as string  
  
    strConnection = "DSN=MYDSN;UID=MYID;  
    PWD=MYPWD;NODE=MYSERVER;APPLICATION=  
    MYAPPLICATION"  
    strSQLQuery = "SELECT * FROM MYTABLE"  
  
    con.Open strConnection  
    rec.Open strSQLQuery, con  
  
End Sub
```

MYSERVER is the server to which CONNX logs on.

MYAPPLICATION is the name of the CONNX applications existing in a CDD, which are created with the Application Management option on the Security menu in the CONNX Data Dictionary Manager window. The APPLICATION tag can be used at any time to limit the databases to those that are available.