

Excel - VBA - Execute stored procedure from VBA without waiting for completion

SCENARIO

*I am trying to execute an SQL stored procedure from within **VBA**. I have been successful in doing this but my stored procedure can take up to 5 minutes to complete.*

During this time Excel will appear frozen to the user. I would like to execute the procedure and continue on through my code without waiting for the procedure to complete. Is this possible? Thanks in advance.

Here's my existing code:

```
Public Sub connect()  
Dim Cnxn As New ADODB.Connection  
Dim cmd As New ADODB.Command  
Dim strCnxn As String  
  
strCnxn = 3D "Dsn=3DApropos3b;" & _  
"Driver=3D{INFORMIX 3.30 32 BIT};" & _  
"Server=3Don_b;" & _  
"Service=3D1901;" & _  
"Protocol=3Donsoctcp;" & _  
"Database=3Datb;" & _  
"UID=3Dinformix;" & _  
"PWD=3DUniteK;"  
Cnxn.Open strCnxn  
  
With cmd  
.ActiveConnection = 3D Cnxn  
.CommandText = 3D "sp_otb_rpt()" &  
.CommandType = 3D adCmdStoredProc  
.Execute  
End With
```

SOLUTION

You can use the **AsynchExecute** option to execute the stored procedure *asynchronously*.

```
Dim cmd As ADODB.Command
Set cmd = New ADODB.Command

cmd.ActiveConnection = "DSN = test"

cmd.CommandTimeout = 180
cmd.CommandText = "sp_name"
cmd.CommandType = adCmdStoredProc
cmd.Execute , , adAsynchExecute

'If you don't want the user doing anything else while the query is executing

Do While cmd.State = adStateExecuting 'or 4
DoEvents

'Options here include a timer to update the form or putting a cancel button on
the sheet

'so the application does not appear to be frozen.

Loop
```