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**Article:** Execute stored procedure from VBA

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**Permalink**: [Link](http://heelpbook.altervista.org/2011/excel-vba-execute-stored-procedure-from-vba-without-waiting-for-completion/)

**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 , , adAsyncExecute

'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