

Re: Cannot (re)create new TAPI event listener in same session in VB

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.tapi/2006-08/msg00036.html>

- *From:* "Matthias Moetje [MVP]" <moetje@xxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 20 Jul 2006 19:05:35 +0200
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Kristian,

that shouldn't occur normally, we have tested some modems that remain in an undefined state when the remote side disconnects, you may check the modem log to see what is really going on here.

At least with Unimodem all connections should get disconnected when you ::Shutdown the TAPI object (= lineClose). Maybe your modem hangs for some reason...?

Just as a general suggestion I think it would be better to keep the TAPI object during the lifetime of your application, not only during the form's lifetime.

Best regards,

Matthias Moetje

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"Kristian Frost" <kfrost@xxxxxxxx> wrote in message
news:op.tcwxqeh318r4f3@xxxxxxxxxxxxxxxxxxxxxxxx
On Tue, 18 Jul 2006 20:13:12 +0100, Matthias Moetje [MVP]
<moetje@xxxxxxxxxxxxxxxxxxxxxxxx> wrote:

You should call :Shutdown only once (remember that you have just two interfaces to the same object) and you need to release the first object before assigning the new one.

Re: Cannot (re)create new TAPI event listener in same session in VB

Blatantly obvious things about COM objects I really should already have realised no. 431.

D'oh.

You are right that you need to create the object to a variable declared without WithEvents. The reason for this is that the event interface is aggregated onto the TAPI object just during :Initialize is called. Though, you don't need to keep both objects.

Here's the minimum code required:

```
' *****
```

```
Dim WithEvents objTAPI As TAPI
Private Sub Command1_Click()
Dim objTmp As TAPI
Set objTmp = New TAPI3Lib.TAPI
objTmp.Initialize
Set objTAPI = objTmp
objTAPI.EventFilter = 0
End Sub
Private Sub Command2_Click()
objTAPI.Shutdown
Set objTAPI = Nothing
End Sub
```

```
' *****
```

Best regards,
Matthias Moetje

Okay, that sorts out that problem. Thanks very much.

However, now that I've started looking at going in and out of forms, I've discovered that my modem doesn't seem to be shutting down correctly at the end of a call and, as a result, cannot be called again within the same instance of the program.

This is the case both immediately after hanging up and after exiting and reentering the form (TAPI having been Shutdown and reInitialized by doing that).

However, while the normal procedure (call, hang up, close form and shut down TAPI) blocks reconnection, shutting down the form while the call is connected, and therefore shutting down TAPI mid-call, frees up the modem properly, allowing me to make a new call when I restart TAPI.

The method I am using to disconnect my call is "objCallControl.Disconnect(DC_NORMAL)", as well as having performed several other calls on objAddress to get its ITCollection of calls, and calls on objBasicCallControl to get the data handle for the datamodem communications of the call.

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Am I disconnecting the call incorrectly in some way? It just seems strange that some kind of disconnect would cause a failure of the modem, and another would keep it active.

Kristian

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