

Re: RESOLVED: RegisterCallNotifications for Multiple Modems?

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.tapi/2007-11/msg00007.html>

- *From:* YisMan <yisman@xxxxxxx>
 - *Date:* Thu, 1 Nov 2007 16:21:01 -0700
-

Thanks, It seems that this is just the way things are.
Thank you very much.

From time to time though, for no aparent reason it stops getting

CALLINFOCHANGE evens, and then after a while starts again. I have yet to figure out a pattern here, but so it seems.

Thanks again for your insight.

--

Thankfully, YisMan

"Grant Schenck" wrote:

It's a bit more subtle then always open with owner mode. If it works with owner mode but not monitor then that tends to narrow the scope of what the issue could be.

Part of the issue is that if you are using a modem and monitor mode and no other application has the line open in owner mode then you won't get events. However, if another app DOES have the line open in owner mode then you will get events.

In any case, glad to hear things are working for you.

Regards,

--

Grant Schenck

<http://grantschenck.tripod.com/>

"YisMan" <yisman@xxxxxxx> wrote in message
<news:75315F96-47CF-4D6F-BA1E-DDDA3CD10C11@xxxxxxxxxxxxxxxxxxxx>

Hello everybody!
It's workin!

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Thank You Grant!
Thank You Andreas!
Thank you Matthias!

Okay. Now I'll put down the information for "POST"erity.
First, the problem had NOTHING to do with multiple modems. The problem was directly related to other TAPI-related programs running on that computer.

Second, As all of the TAPI gurus here pointed out, it is necessary to register for TAPI events with owner privileges. It is not "always" necessary, but sometimes. I tried shutting down PhoneTray and closing/disconnecting HyperTerminal. I also lowered the priority of the fax device manager and Presto! it worked. But only with using fOwner=true and MediaTypes=16. Don't ask me why. But this is the current setup and it works.

Another PC does not have PhoneTray installed and my code works fine with Monitor Only mode. Who opens the TAPI connection there? Dunno. On this computer that this post is about, If I disabled HyperTerminal and PhoneTray and used Monitor mode, I did not get a single event at all.

I appreciate all your help. I will also appreciate any further insight as to why one computer works fine in monitor mode even if PhoneTray is not installed. There are no other programs that display CID info on that machine. my VBA module is currently the only display of CID information.

Blessings to all of you,
I would have never got anywhere without you.
Thankfully,
YisMan

P.S. I now want to check out if I can get CID info from call waiting, but I'll start first with Google. I hope I'll manage on my own. If not, expect to here from me soon ;-)

"Grant Schenck" wrote:

I'm not a big fan of TAPI 3.x (I prefer 2.x) so I can't really say.

You are opening the lines with OWNER Mode, correct? That is a requirement with modem based TAPI lines as using just Monitor does not result in any

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events.

However, the obvious issue is that you are perhaps opening the wrong TAPI line? Did you confirm in the TAPI browser that the line is the correct one?
If the browser doesn't get events then perhaps the Unimodem .INF file is incorrect for the modem? Unimodem uses a data file to tell it how to decode the events generated by a give brand of modem. If this is incorrect then results would vary.

If you are familiar with the 2.x browser and can check the installed line's properties and make sure you open the correct one then post a trace from that one.

As for TAPI getting better, I lied! It is staying the same. What is getting better from TAPI's standpoint is MS' continued failure to come up with anything better.

--

Grant Schenck
<http://grantschenck.tripod.com/>

"YisMan" <yisman@xxxxxxx> wrote in message
<news:182631AE-51DA-402E-BCBD-C750FA56C6A5@xxxxxxxxxxxxxxxxxxxx>

Hi Grant.
Thanks for Waiting out. I'm back now with more information.

#1 HyperTerminal catches the calls and shows the Caller ID without a hitch.

#2 I tried TAPI Browser and It did not pick up any events whatsoever.
I'm posting the output here. I did not get any error messages of any kind
it just does not get any events. Again, I've used the

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same CallbackInstance
number
(990) for each registration. Is that the correct
way to do it?

Only Address2_1 and Address2_2 allowed
the RegisterCallNotifications.
The
other addresses I guess are not relevant.

Here is the output:
ITTAPI.CreateInstance ITTAPI_1
returned hr = 0x00000000

ITTAPI_1.Initialize returned hr =
0x00000000

ITTAPI_1.EnumerateAddresses returned hr
= 0x00000000
IEnumAddress_1

IEnumAddress_1.Next ITAddress2_1
returned hr = 0x00000000

ITTAPI_1.AdviseEventNotification returned
hr = 0x00000000
cookie 990

ITTAPI_1.put_EventFilter
long plFilterMask : 131071 (0x0001ffff)
returned hr = 0x00000000

ITTAPI_1.RegisterCallNotifications
ITAddress* pAddress : ITAddress2_1
VARIANT_BOOL fMonitor : 1
VARIANT_BOOL fOwner : 0
long lMediaTypes : 16 (0x00000010)
long lCallbackInstance : 990 (0x000003de)
returned hr = 0x00000000
long* plRegister = 956 (0x000003bc)

ITAddress2_1.get_AddressName returned hr
= 0x00000000
BSTR* ppName = CXT AC-Link Modem
for Intel

IEnumAddress_1.Next ITAddress2_2
returned hr = 0x00000000

ITAddress2_2.get_AddressName returned hr
= 0x00000000

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BSTR* ppName = Brother MFC-9700 USB

ITTAPI_1.put_EventFilter
long plFilterMask : 131071 (0x0001ffff)
returned hr = 0x00000000

ITTAPI_1.RegisterCallNotifications
ITAddress* pAddress : ITAddress2_2
VARIANT_BOOL fMonitor : 1
VARIANT_BOOL fOwner : 0
long lMediaTypes : 16 (0x00000010)
long lCallbackInstance : 990 (0x000003de)
returned hr = 0x00000000
long* plRegister = 922 (0x0000039a)

IEnumAddress_1.Next ITAddress2_3
returned hr = 0x00000000

ITAddress2_3.get_AddressName returned hr
= 0x00000000
BSTR* ppName = RAS PPPoE Line0000

IEnumAddress_1.Next ITAddress2_4
returned hr = 0x00000000

ITAddress2_4.get_AddressName returned hr
= 0x00000000
BSTR* ppName = RAS VPN Line 0

IEnumAddress_1.Next ITAddress2_5
returned hr = 0x00000000

ITAddress2_5.get_AddressName returned hr
= 0x00000000
BSTR* ppName = WAN Miniport (L2TP)

IEnumAddress_1.Next ITAddress2_6
returned hr = 0x00000000

ITAddress2_6.get_AddressName returned hr
= 0x00000000
BSTR* ppName = IPCONF LINE

IEnumAddress_1.Next ITAddress2_7
returned hr = 0x00000000

ITAddress2_7.get_AddressName returned hr
= 0x00000000
BSTR* ppName = H323 Line

IEnumAddress_1.Release

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ITAddress2_1.Release

ITAddress2_2.Release

ITAddress2_3.Release

ITAddress2_4.Release

ITAddress2_5.Release

ITAddress2_6.Release

ITAddress2_7.Release

ITTAPI_1.Shutdown returned hr =
0x00000000

ITTAPI_1.Release

Thanks again for your time and patience.
With appreciation,
YisMan

"Grant Schenck" wrote:

TAPI showing it's age? Pah!
Its not getting older... it's
getting
better!

Obvious question is what
happens when you test this
in the MS TAPI
Browser?
Does it work from there?

--
Grant Schenck
<http://grantschenck.tripod.com/>

"YisMan"
<yisman@xxxxxxx> wrote
in message
<news:54C0B6D0-C06C-4CD9-816E-58E858DA6221@xxxxxxxxxxxxxxxxxxxx>

Hi
everyone.

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This is
definetly
one of the
most
wonderful
newsgroups
on the web,
thanks
to
the
wonderful
people who
monitor
these posts
and give of
their time
and
efforts to
guide and
assist. (also
partially
thanks to
Microsoft,
because
they haven't
updated
TAPI since
1998!!)

I need a tip
here. After
much work
and trial and
error, I have
managed
to
develop a
MS Access
class
module for
retieving
caller ID
info.
Finally,
finally it
works. One
problem I
have though
is on a
computer
with

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multiple
modems
(actually 2
modems).
On that
computer,
no TAPI
events are
raised
at
all.
All TAPI
articles
seem to
state that
the
RegisterCallNotifications
can
be
called as
many times
as needed.
Well thats
what im
doing and it
just
doesn't
work. I
iterate
through the
Addresses
and call the
RegisterCallNotifications
method for
each
address, but
nothing
doing.
I was
wondering
if i need a
different
RegCookie
variable for
each
call?
or
change the
ICallBackInstance
parameter?
or

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something
else
entirely?

Here is my
code for the
Register
procedure
in the class
module.

As a note:
RegCookie
is a class
level integer
variable

```
Sub  
Register()  
Dim  
Address As  
ITAddress  
Dim  
oAddress  
As  
ITAddress  
For Each  
Address In  
oTAPI.Addresses  
If  
Address.State  
=  
ADDRESS_STATE.AS_INSERVICE  
Then  
Dim  
MediaSupport  
As  
ITMediaSupport  
Set  
MediaSupport  
= Address  
Dim  
MediaTypes  
As Long  
MediaTypes  
=  
MediaSupport.MediaTypes  
Set  
MediaSupport  
= Nothing  
If  
(MediaTypes
```

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```
And
TAPIMEDIATYPE_DATAMODEM)
=
TAPIMEDIATYPE_DATAMODEM
Then
If
(MediaTypes
And
TAPIMEDIATYPE_AUDIO)
=
TAPIMEDIATYPE_AUDIO
Then
Set
oAddress =
Address
RegCookie
=
oTAPI.RegisterCallNotifications(oAddress,
True, False,
MediaTypes,
1)
oTAPI.EventFilter
= (1 Or 2
Or 4 Or 8
Or 16 Or 32
Or
64
Or 128 Or
256 Or 512
Or 1024 Or
2048 Or _
4096 Or
8192 Or
16384 Or
32768 Or
65536 Or
131072
Or
262144 Or
524288 Or
1048576 Or
2097152 Or
4194304 Or
_
8388608 Or
16777216
Or
33554432)
Debug.Print
oAddress.AddressName
& "
```

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```
Registered  
at "  
&  
Time()  
End If  
End If
```