

Re: Why is CoCreateInstance waiting forever?

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.ole/2004-03/0179.html>

From: Devrobcom (devrobcom_at_hotmail.com)

Date: 03/13/04

Date: Sat, 13 Mar 2004 10:47:15 +0100

Thank you!

I have changed my object to both, and then it works fine with the client. It's no problem for me to have the object as both (it should have been done from the beginning).

But I shall also give my client a note about GUI/STA/MTA.

/Dev

"Alexander Nickolov" <agnickolov@mvps.org> wrote in message news:u4y0FtGCEHA.2164@TK2MSFTNGP10.phx.gbl...

I didn't say the deadlock is in your code. What looks to be happening is an MTA thread attempts to activate (create) your object. The final wait is for the target apartment to respond. Looks like that apartment is not servicing its message loop though. All this is pure conjecture of course, but seeing "view" and MTA together makes my hair stand up! Looks like a problem with your client – it shouldn't mix GUI with MTA threads.

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Alexander Nickolov
Microsoft MVP [VC], MCS D
email: agnickolov@mvps.org
MVP VC FAQ: <http://www.mvps.org/vcfag>
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"Devrobcom" <devrobcom@hotmail.com> wrote in message news:40500730\$1@news1e1.seinf.abb.se...
> My object is an inprocess dll compiled with threading model sta.
> I don't know which apartments the client is using.
>
> Is this the cross-apartment indication?
> ole32!GetToSTA+0x6c (from dump)
>
> There are no semaphores or mutex's in the object.
> Under what type of circumstances is it possible to get a
> deadlock when a com object is created?
> If possible, I want to write my own test program to
> see whats happens.
>
> /Dev
>
>
> "Alexander Nickolov" <agnickolov@mvps.org> wrote in message

microsoft.public.win32.programmer.ole: Re: Why is CoCreateInstance waiting forever?

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> news:OXIat2sBEHA.744@TK2MSFTNGP10.phx.gbl...
> From the dump I can see there's cross-apartment activation
> going on. Is your object out-of-proc? What is your apartment
> alignment?
>
> Shortly, this looks like a pure deadlock. More details are needed
> for any useful analysis though.
>
> --
> =====
> Alexander Nikolov
> Microsoft MVP [VC], MCSD
> email: agnickolov@mvps.org
> MVP VC FAQ: http://www.mvps.org/vcfaq
> =====
>
> "Devrobcom" <devrobcom@hotmail.com> wrote in message
> news:404ef0a0$1@news1e1.seinf.abb.se...
> > Hi
> > One of our clients complains that when his app create one of my objects
> > he will be waiting forever. His client app creates the com object
> several
> > times so he holds about 3
```