

## Re: Invoking a form that was created on a separate thread

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.compactframework/2005-04/msg011>

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- *From:* "Dannyboy" <[daniel@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:daniel@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 16 Apr 2005 10:44:28 +0100
- 

Probably about 15 seconds all told, they are surveys that have to be carried out by engineers on site so they contain quite a lot of stuff.

The only other way I thought about it was using the splash screen example thats about that runs on a separate thread and instead of it being a splashscreen it would be the pogress bar.

Dan

"Daniel Moth" <[dmoth74@xxxxxxxxxxx](mailto:dmoth74@xxxxxxxxxxx)> wrote in message

[news:%23MSrJemQFHA.3560@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23MSrJemQFHA.3560@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

> OK it wasn't clear that you are parsing an XML file to create a form  
> (XAML-style). I thought you were parsing an XML file for other more  
> conventional purposes and just needed to report progress to the UI.

>

> I think you are on a loser there. You are going to have to bear the  
> performance hit for choosing such an approach. Do the form loading/xml  
> parsing on the UI thread and stick an hour glass up or some progress bar  
> to inform the user that they are in for a wait. Basically, trying to do  
> anything with UI elements on other threads is not supported (unless you  
> come up with some wacky ideas and I don't have any). How long does it take  
> to load the form if you just let it run and wait?

>

> Cheers

> Daniel

> --

> <http://www.danielmoth.com/Blog/>

>

>

> "Dannyboy" <[daniel@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:daniel@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message

> [news:e9wlPVmQFHA.3144@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:e9wlPVmQFHA.3144@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

>> Hi Daniel

>>

>> The my problem occurs in that the new form and all its controls only get  
>> created by the parsing routine, its a bit like xaml so all the form  
>> definition is in the xml file that is parsed, So I need to be able to  
>> parse these files which can take a while on the XDA's but still give  
>> progress back and be able to interact with the code behind (the class

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>> that instantiated the parsing) once the form is created and showed.

>>

>> Sorry if I'm not quite getting this.

>> Thanks

>> Dan

>>

>> "Daniel Moth" <dmoth74@xxxxxxxxxxxx> wrote in message

>> [news:%23ifZhDmQFHA.2788@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23ifZhDmQFHA.2788@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

>>> Don't return a form from a background thread. The form should be on the

>>> main form. It is the progress info (percentage and possibly status text)

>>> that you return to the main thread/form from the background thread. With

>>> backgroundWorker you don't need to explicitly invoke anything. Keep your

>>> parsing on the background thread if you have calculated that it takes

>>> too long and hence would block the UI.

>>>

>>> Whether you are using the BW from my site (VB version) or from opennetcf

>>> (C# version), the sample here should help:

>>> <http://www.danielmoth.com/Blog/2004/12/backgroundworker-sample.html>

>>>

>>> Cheers

>>> Daniel

>>> --

>>> <http://www.danielmoth.com/Blog/>

>>>

>>>

>>> "Dannyboy" <daniel@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

>>> [news:uH18yffQFHA.3988@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uH18yffQFHA.3988@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

>>>> Hi Daniel thanks for that I shall go through your background worker

>>>> code, I do currently have a background process implementation that is

>>>> based on an article written by Rocky Lhotka on msdn

>>>>

>>>> <http://msdn.microsoft.com/vbasic/using/columns/adventures/default.aspx?pull=/library/en-us/dnadvnet/html/vbnet092>

>>>> the trouble is the blasted form that is returned from that background

>>>> process throws an exception everytime I try and invoke its show method.

>>>>

>>>> Should I be changing the implementation so that I don't do the parsing

>>>> on the background thread?

>>>>

>>>> Dan

>>>>

>>>> "Daniel Moth" <dmoth74@xxxxxxxxxxxx> wrote in message

>>>> [news:enGb7SfQFHA.508@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:enGb7SfQFHA.508@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

>>>>> Check out the BackgroundWorker or do it yourself (parsing on thread

>>>>> and updating the form with control invoke)

>>>>>

>>>>> Cheers

>>>>> Daniel

>>>>> --

>>>>> <http://www.danielmoth.com/Blog/>

>>>>>

>>>>>

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>>>>> "Dannyboy" <daniel@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>>>>> [news:%23bFkZNfQFHA.248@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23bFkZNfQFHA.248@xxxxxxxxxxxxxxxxxxxxxxxx)  
>>>>> Hi Chris your right its not good all, the the thing is the xml files  
>>>>> that are being parsed are pretty big and they take quite a bit of  
>>>>> time, so I need to put a progress bar on, I did try creating that on  
>>>>> the main the and then updating that from a separate thread.  
>>>>>  
>>>>> If there is a better way to do this I'm open to all suggestions cos  
>>>>> this is p#@\*ing me off  
>>>>>  
>>>>> Thanks  
>>>>> Dan  
>>>>> "Chris Tacke, eMVP" <ctacke@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>>>>> [news:u9%23zJ0dQFHA.1528@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:u9%23zJ0dQFHA.1528@xxxxxxxxxxxxxxxxxxxxxxxx)  
>>>>> The first question has to be why are you creating a Form on another  
>>>>> thread? It's a very bad idea, a bad design, and bad practice.  
>>>>>  
>>>>>  
>>>>> --  
>>>>> Chris Tacke  
>>>>> Co-founder  
>>>>> OpenNETCF.org  
>>>>> Has OpenNETCF helped you? Consider donating to support us!  
>>>>> <http://www.opennetcf.org/donate>  
>>>>>  
>>>>>  
>>>>> "Dan" <daniel@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>>>>> [news:e5x\\$vrDQFHA.3628@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:e5x$vrDQFHA.3628@xxxxxxxxxxxxxxxxxxxxxxxx)  
>>>>>> Hi everyone  
>>>>>>  
>>>>>>> I have a class which parses an xml file and creates a form and its  
>>>>>>> controls from it, and I have recenlty moved this so that it happens  
>>>>>>> on its own thread, I know about controls that are created on a  
>>>>>>> different thread to the UI can not just have its methods called  
>>>>>>> without using invoke so with this I have tried several different  
>>>>>>> ways to get the form to show but I'm having problems.  
>>>>>>>  
>>>>>>> The ways I have have tried are:  
>>>>>>>  
>>>>>>>> 1. With the form that is returned from the parsing class I have  
>>>>>>>> tried  
>>>>>>>> me.invoke(new delegateSub(addressof newform.show))  
>>>>>>>> This throws the error "Cannot call Invoke or InvokeAsync on a  
>>>>>>>> control until the window handle has been created."  
>>>>>>>>  
>>>>>>>> 2. Add a controller class that is also created on the separate  
>>>>>>>> thread which shows the form when the parsing is complete, this does  
>>>>>>>> show the form briefly but it then disappears.  
>>>>>>>>  
>>>>>>>> 3. With the same controller class I use  
>>>>>>>> Application.Run(parsedform). This works beautifully apart from one



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◆ ***Re: Invoking a form that was created on a separate thread***

◇ *From:* Dannyboy

◆ ***Re: Invoking a form that was created on a separate thread***

◇ *From:* Daniel Moth

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