

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

Source:

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

- *From:* "Daniel Moth" <dmoth74@xxxxxxxxxxx>
 - *Date:* Sat, 16 Apr 2005 10:35:42 +0100
-

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/xaml 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@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:e9wlPVmOFHA.3144@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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

Sorry if I'm not quite getting this.
Thanks
Dan

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

"Daniel Moth" <dmoth74@xxxxxxxxxxxx> wrote in message
news:%23ifZhDmOFHA.2788@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:uH18yfffOFHA.3988@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi Daniel thanks for that I shall go through your background worker code, I do currently have a background process implemenation that is based on an article written by Rocky Lhotka on msdn
<http://msdn.microsoft.com/vbasic/using/columns/adventures/default.aspx>
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:enGb7SfOFHA.508@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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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/>

"Dannyboy"

<daniel@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

<news:%23bFkZNfOFHA.248@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

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@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

<news:u9%23zJ0dOFHA.1528@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

The
first
question

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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@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote in
message
[news:e5x\\$vrdoFHA.3628@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](news:e5x$vrdoFHA.3628@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi everyone

I
have
a
class
which
parses
an
xml
file
and
creates
a
form
and
its
controls

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from
it,
and
I
have
recently
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

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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.

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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
small
snag,
the
class

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which starts the parsing is passed a reference to the parser and acts as the code behind for the the controls that are created in the parsed form e.g. the click event of a button in the parsed form is handled by a method in the class that is sent to

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the
parser.
This
is
where
this
method
seems
to
fall
down
because
the
reference
no
longer
works.

Am
I
fighting
a
loosing
battle
with
this
or
can
anyone
offer
some
code
of
wisdom.
Any
help
will
be
much
appreciated.

Many Thanks
Dan

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