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Thread: [How can my background worker effect my WindowsForm control?](#)

alonalon - December 17, 2011, 6:46 am

How can my background worker effect my WindowsForm control?

I have a WindowsForm and a background worker, I give the background worker a task and in the end of it needs to change a text of a control in my WindowsForm(I've set the control to "public").

I get this error:

"Cross-thread operation not valid: Control 'Name1' accessed from a thread other than the thread it was created on."

Silicon - December 17, 2011, 6:54 am

You can't edit Forms controls from any other thread. Make a variable with the value you need to change, then use a Timer to update it every so often. That's the easiest way to do it. Otherwise you're messing around with threading a lot.

iVision - December 17, 2011, 7:01 am

With backgroundworker you can put in Form_load:

checkforilligalcrossscripting = false; (something like that)

And with threading:

invoke((methodinvoker(delegate { change w/e here ; })));

alonalon - December 17, 2011, 7:01 am

(Dec 17, 2011 08:01 AM)iVision Wrote: [\[CITE\]](#) With backgroundworker you can put in Form_load:

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And with threading:

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Sorry for not being able to understand what you wrote, I usually need a well explained explanation to understand something wrote in English.

Thanks for helping anyway.

(Dec 17, 2011 07:54 AM)AntiHelix Wrote: [\[CITE\]](#) You can't edit Forms controls from any other thread. Make a variable with the value you need to change, then use a Timer to update it every so often. That's the easiest way to do it. Otherwise you're messing around with threading a lot.

Can you give me a simple example code please?

iVision - December 17, 2011, 7:29 am

(Dec 17, 2011 08:01 AM)alonalon Wrote: [\[CITE\]](#) Sorry for not being able to understand what you wrote, I usually need a well explained explanation to understand something wrote in English.

Thanks for helping anyway.

Can you give me a simple example code please?

I gave a working code?

Code invoke((methodinvoker(delegate { yourwhateveryouneedtochangeonyourformhereplease; })));
That will work for multithreading.

so do this:

Code using System.Threading;

```
Void changeTextbox()
{
    invoke((methodinvoker(delegate { textBox1.Text = "Changed out of a thread."; }));
}
```

```
void Form1_Load....
{
    Thread ctextBox = new Thread(changeTextBox);
    ctextBox.Start();}
```

alonalon - December 17, 2011, 7:36 am

(Dec 17, 2011 08:29 AM)iVision Wrote: [CITE](#) I gave a working code?

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void Form1_Load....
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I tells me "The name 'invoke' does not exist in the current context"

and

"I tells me "The name 'methodinvoker' does not exist in the current context""

DragQueen - December 17, 2011, 7:38 am

this will run in main thread.

```
worker.RunWorkerCompleted += new
RunWorkerCompletedEventHandler(worker_RunWorkerCompleted);
worker.ProgressChanged += new ProgressChangedEventHandler(worker_ProgressChanged);
```

this will run in diffrent thread

```
worker.DoWork += new DoWorkEventHandler(worker_DoWork);
```

So change what you want in main thread

only in RunWorkerCompleted & ProgressChanged