
Subject: Re: Fatal error - GuiLock

Posted by [dolik.rce](#) on Wed, 08 May 2013 14:47:03 GMT

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nneilson wrote on Wed, 08 May 2013 03:43 This only happens when the app is built in debug mode.

Fatal error

Assertion failed in C:\upp\uppsrc\CtrlCore\CtrlDraw.cpp, line 13

Using GUI in non-main thread without GuiLock

From inside another thread it is trying to change the data in a GUI EditField.

This is not a problem when built in Optimal, Speed or Size mode.

I have been using code for years without a GuiLock without problems. In java I had to inclose in try/catch.

I tried to run in debug and was curious as to why this pops up and kills the app.

Hi Neil,

It doesn't happen in optimal mode, because ASSERTs are only compiled in debug mode. The problem is present in optimal as well, it is just not detected. Consider yourself lucky, if it didn't cause you any problems so far

Manipulating GUI is not thread safe, unless it is done in main thread or with GuiLock. Just add a GuiLock variable to the function (or scope) that touches the GUI, e.g. myFunction(){

```
    GuiLock gl;  
    // doing something with GUI here  
}
```

Best regards,
Honza
