Subject: Question about Threads
Posted by Reini on Fri, 19 Mar 2010 17:07:41 GMT
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Hello upp Team,

I am experimenting a bit with Thread programming in upp and encountered an error.
The compiler did not recognize the thread class name.

The example GUIMT runs without errors from which I took most of the code, but my application does not recognize the thread class.

```
class MyClass : public WithMyClassLayout<TopWindow>
{
public:
 typedef MyClass CLASSNAME;
 MyClass();
 void StartPlay();

 //thread handling
 volatile Atomic terminated;
 volatile Atomic threads;
};

typedef struct {
 MyClass *gui;
} PlayInfo;

//thread callback
void WorkerThread(PlayInfo f)
{
    while (true)
    {
  if(f.gui->terminated)
   break;
  //playfile

    }
 AtomicDec(f.gui->threads);
}

//Callback of button
void MyClass::StartPlay()
{
 PlayInfo f;
 f.gui = this;
```

```
 AtomicInc(threads);
 Thread().Run(callback1(WorkerThread, f));//error in this line
}
```

Output:
error C2228: Left of ".Run" has to be a class/struct/union
        Typ is "unknown-type"
error C3861: "Thread": Identifier was not found.

Thank you for comments and help

Subject: Re: Question about Threads
Posted by koldo on Fri, 19 Mar 2010 20:25:15 GMT
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Reini wrote on Fri, 19 March 2010 18:07Hello upp Team,

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Thank you for comments and help

Hello Reini

I can answer you with a 99,999% of possibilities that the problem comes from you have not included in "Project/Main package configuration" the option MT (multi thread).

Subject: Re: Question about Threads
Posted by Reini on Fri, 19 Mar 2010 21:38:50 GMT
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Hello Koldo

Thanks for your help ! It worked

But anyway it was way complicated to activate the MT Flag in an already existing project since I did not found a possibility to acitvate the MT switch if the project already exists.

So I had to do that manually in the upp Project File and then only it worked.

Nice weekend so far

Subject: Re: Question about Threads
Posted by cbpporter on Sat, 20 Mar 2010 19:44:30 GMT
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Why was it hard? "Project/Main package configuration" as said above, press Insert or right click and select menu to insert a new configuration, an type MT there. Or if you have already a configuration, you can add it to that.

Recompile is needed.

Subject: Re: Question about Threads
Posted by koldo on Sat, 20 Mar 2010 20:37:41 GMT
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cbpporter wrote on Sat, 20 March 2010 20:44Why was it hard? "Project/Main package configuration" as said above, press Insert or right click and select menu to insert a new configuration, an type MT there. Or if you have already a configuration, you can add it to that.

Recompile is needed.
Yes, it is really very easy.

Just clicking there

File Attachments
1) Dib.PNG, downloaded 904 times


