Subject: 'Thread' has not been declared
Posted by lovmy on Tue, 22 Nov 2016 12:33:42 GMT

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Hi !

I try to compile httpServer example on Windows version of TheIDE with MinGW.
I have error:

'Thread' has not been declared

This is the source:

```
#include <Core/Core.h>

using namespace Upp;

TcpSocket   server;
StaticMutex ServerMutex;

void Server()
{
 for(;;) {
  TcpSocket socket;
  LOG("Waiting...");
  ServerMutex.Enter();
  bool b = socket.Accept(server);
  ServerMutex.Leave();
  if(b) {
   LOG("Connection accepted");
   HttpHeader http;
   http.Read(socket);
   String html;
   html << "<html>"
       << "<b>Method:</b> " << http.GetMethod() << "<br>"
       << "<b>URI:</b> " << http.GetURI() << "<br>";
   for(int i = 0; i < http.fields.GetCount(); i++)
    html << "<b>" << http.fields.GetKey(i) << ":</b> " << http.fields[i] << "<br>";
   int len = (int)http.GetContentLength();
   if(len > 0)
    socket.GetAll(len);
   html << "<b><i>Current time:</i></b> " << GetSysTime() << "</html>";
   HttpResponse(socket, http.scgi, 200, "OK", "text/html", html);
  }
 }
}
```

```
CONSOLE_APP_MAIN
{
 StdLogSetup(LOG_COUT|LOG_FILE);

 if(!server.Listen(4000, 10)) {
  LOG("Cannot open server port for listening\r\n");
  return;
 }
 const int NTHREADS = 10;
 for(int i = 0; i < NTHREADS; i++)
  Thread::Start(callback(Server));
 Server();
}
```

What's the problem ?

Thank you for your help !

Subject: Re: 'Thread' has not been declared
Posted by Zbych on Tue, 22 Nov 2016 18:44:43 GMT
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lovmy wrote on Tue, 22 November 2016 13:33Hi !

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Do you have MT flag set in the package configuration?

Subject: Re: 'Thread' has not been declared
Posted by lovmy on Wed, 23 Nov 2016 08:23:11 GMT
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Hi !

I have replaced:

mainconfig

```
"" = "";
```

by

mainconfig
```
 "" = "MT";
```

in upp file and now it's work !

Thank you very much !!!

Subject: Re: 'Thread' has not been declared
Posted by Klugier on Wed, 23 Nov 2016 20:36:23 GMT

Hello,

You can select package to be MT at the package creation level. Just select "Multithreaded" or add in manually by editing flags - main TheIDE toolbar. You do not need this manually - but if you did it is OK.

@Mirek - I think we should enable MT flag by default for all new packages created via template. It is 2016 and even c++ standard supports it by default. Almost all devices now have got cores - so MT is must have.

Sincerely,
Klugier