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Subject: Re: Simple thread example

Posted by [nneilson](#) on Sat, 06 Nov 2010 18:45:55 GMT

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I have the Java app ported to C++

It works great! A little faster and less CPU usage than Java and no problems with heap space.

It reads a file with lines like this:

34.212518,-119.192363,36.0,N10801,113

It interacts through a socket with NASA WWJ as 3D tracking on the Earth WGS84 ellipsoid rather than a round globe or a flat space.

The fourth comma delimited value is an ID.

With a file with more positions/IDs can track/draw paths for up to 50 on a single core (<50% CPU usage) updated each second.

I do have one glitch in the C++ code.

In the Exit() function:

    in.Close();

    Thread::ShutdownThreads();

plus saving a config file with settings.

That works OK.

But clicking the red x to close the app gives errors.

Sometimes:

Assertion failed in C:\upp\uppsrc\Core\String.cpp, line 38 rc->rftcount>0

or just closes with these error details":

Problem signature:

Problem Event Name: APPCRASH

Application Name: Replay.exe

Application Version: 0.0.0.0

Application Timestamp: 4cd51eb8

Fault Module Name: Replay.exe

Fault Module Version: 0.0.0.0

Fault Module Timestamp: 4cd51eb8

Exception Code: 80000003

Exception Offset: 0013ad26

OS Version: 6.0.6002.2.2.0.768.3

Locale ID: 1033

Additional Information 1: 0245

Additional Information 2: 6ea91fa736a6c7dd9ccfae9a5d57ed32

Additional Information 3: fa73

Additional Information 4: 93d639f2a4427fa651c7717b5f37f438

In Java had a similar problem. After a considerable amount of searching and

tinkering `af.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);`  
closes all processes/threads associated with the app, otherwise a bunch of javaw processes  
need to be closed with task manager.

I would rather not tinker with the Upp core code. Is there a way in Upp/C++ to close all open files  
and end all threads started by the app when clicking the red x to end?