
Subject: Re: The plan....

Posted by [zsolt](#) on Thu, 28 Aug 2008 13:54:30 GMT

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luzr wrote on Thu, 28 August 2008 14:46zsolt wrote on Thu, 28 August 2008 08:21luzr wrote on Thu, 28 August 2008 09:02

Maybe we should make CtrlCore fully MT safe (in common sense, where you are required to serialize access to single widget by multiple threads).

PostCallback is good, but sometimes more straightforward solution would be even better...

Mirek

A thread safe Callback system would be much more useful, I think.

Callback itself is thread-safe.

And, I guess, PostCallback method can be considered a thread-safe callback system; that is what we have now...

What else should it do? (Note that it is technically impossible to call another thread's routine - that would be "interrupt").

Mirek

I would like an inter-thread communication framework:

- threads are waiting for a job queue

- threads can have special job-creating Callback like objects

- threads can register their methods to that Callback like objects of other threads (in a type-safe way, like with current callback functions or THISBACK macros)

- when a thread calls it's own Callback like object, it creates the job-objects and puts them to the fifos of registered threads

- threads are executing jobs from fifos on their own threads
