Subject: Re: GuiLock Example broken
Posted by masu on Thu, 20 Aug 2009 15:52:29 GMT

Hi,

attached I provide a test package for explicit TLS using phreads.

I wanted to evaluate implicit TLS due to missing __thread storage qualification support on OpenBSD. What I discovered was a strange behavior with U++ Core package included.

It runs without problems when compiled in optimal mode without including U++ Core. But when I include Core U++ package I get segmentation faults all the time regardless if it is compiled in debug mode or optimal mode.

As far as I understand the only thing that is replaced by including Core package is heap implementation (in optimal mode) and since I use the heap to allocate and de-allocate memory for the TLS variables it is used instead of standard one. Is that right?

If I do not use heap allocated variables, but pre-allocated ones, I do not have any problems (This can be done by setting TLS_PRE_ALLOC to true).

Matthias

File Attachments
1) pthread_tls.tgz, downloaded 443 times