Subject: Re: Freezing bare application on Windows XP
Posted by mirek on Sat, 26 Dec 2009 23:27:45 GMT

qapko wrote on Sat, 26 December 2009 16:58After the testing I hope it's OK now. And again, thank you for your help. I highly appreciate your attention.
Just two more questions:
1. Can this concrete bug be cause of those strange freezings of our application at the customer site while the application is running (just not after the start)?

Unlikely. This is a very specific race condition that happens only during first call of GuiSleep. You must be very lucky that your machine and OS and everything else actually match requirements to trigger this issue...

But it nicely demonstrates what is so hard about MT

Quote:
2. Can you please take a look and find, whether the issue with GLOBAL_VAR may not cause similar problems (deadlocks, namely) on another places in Upp framework? I see clearly, that with my knowledge of Upp I'm not able to do that job. But I can help you with some testing of course.

Well, this is one of two places where another thread is created in single-threaded mode. Other place is much more simple.

The real problem is that GLOBAL_VAR definition differes in both modes - in ST it is made simpler, bypassing all MT stuff. Which is bug here, but OK in normal use.

Thanks for making me aware about this problem.

Mirek