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Subject: Re: Required simple MT lesson  
Posted by [dolik.rce](#) on Sat, 21 Sep 2013 12:01:26 GMT  
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Hi mubeta,

I can't compile your application (it is windows only, right?), but I noticed few things that are thread related. They might not cause your trouble, but you asked for a lesson so I tell you anyway

1) Have a look at Thread::GetCount(). It does exactly the same thing as the AtomicInc/Dec(threads) in your code.

2) You are accessing iniKeys Vector from various threads without any serialization. This might cause trouble when CommLoop modifies it's content while GetUpdates reads from it or vice versa. You should use INTERLOCKED or INTERLOCKED\_ macros (or some other mechanism) to ensure no two threads access the variable at the same time. Note that this might cause some slowdown or even deadlocks, so one has to be careful about what is accessed from where.

3) Not really a code issue, but when posting example code on the forum 5000 lines of code is quite a lot. It would be great if you could try to create a smaller testcase that exhibits the problem next time

Best regards,  
Honza

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