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Subject: Re: Core multithread dangers

Posted by [hojtsy](#) on Sat, 04 Feb 2006 13:53:15 GMT

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luzr wrote on Fri, 03 February 2006 17:51 Also, note that StaticCriticalSection is zero-initialized POD, so it does not perform any further form of initialization (nice simple solution to "how to serialize initialization of serializer"). Yes, that is a very good idea. But I needed almost an hour to figure out how that works before you posted it - it was quite tricky. Even a short code comment would have saved me lots of time.

I think this new macro is not threadsafe: #define ONCELOCK \

```
for(static volatile bool b = true; b;) \
```

```
for(static CriticalSection section; b;) \
```

```
for(CriticalSection::Lock lock(section); b; b = false)
```

The problem is that the b flag is not protected from repeated default-initialization to true.

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