Subject: Re: MT/Locking Questions
Posted by mirek on Wed, 30 Apr 2008 08:51:50 GMT

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mr_ped wrote on Tue, 29 April 2008 15:49I bet this info is nowhere in Docs, isn't it?
(didn't find it trough Search on this site: "Mutex -forum")

Edit:
So if I understand you correctly, as long as I don't USE the Mutex in init block, I can freely use
"static Mutex some_lock;", right?
If I am sure it will be initialized before I will try to use it, i.e. I will use it only outside of ctors after
the application is started, that is.

Unfortunately, not.

At least, you cannot use it in function body. The problem is that static initialization itself is NOT MT
safe.

So e.g.

void Fn()
{
    static Mutex x;
}

would make Fn require external locking, because two threads might race when checking that flag
used to implement static initialization.

Mirek

P.S.: Oh I guess you have in fact covered this issue in your post....