
Subject: Re: how to use timer id?

Posted by [bonami](#) on Thu, 22 Jul 2010 02:09:14 GMT

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my problem is not how to invoke the TopWindow's functions in the Thread, but how to separate these threads. I traced your code. TimerCB(-1000) is not thread safe, it calls CreateCounter() synchronously. Since the timer is executed in TopWindow thread, this is not what I want. In fact, timer creation is not a problem. Killing it is.

Here's a demo of my code,

```
class e : public TopWindow {
    class a {
        Thread t;
        void f(void);
    };
    void cb(void);
    a aa;
};
void e::a::f(void)
{
    Sleep(1000);
    SetTimeCallback(1000, cb, 10);
    Sleep(1000);
    KillTimeCallback(10);
}
void e::cb(void)
{
}
GUI_APP_MAIN
{
    e ee;
    ee.aa.t.Run(callback(&ee.aa, &e::a::f));
    ee.Run();
}
```

This code cannot build. it just shows my intention. in the Thread function f, I create a timer expiring after 1 second. Then it sleeps 1 second and kills the timer. The problem is, I do not know whether the timer is already invoked when I kill it. That is why I want to put all the timer operations in TopWindow thread and I think that is what should be done. So I need to send a message to TopWindow and let it create or kill the timer, from an MS view.

Plus, why did you test Thread::IsShutdownThreads()?
