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Subject: ARM threadind does not work  
Posted by [Didier](#) on Sat, 15 Dec 2012 10:00:01 GMT  
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Hi all,

When compiling apps whith 'MT' falg set, the applications get stuck on a mutex:

```
#1 0x400bd138 in pthread_mutex_lock () from /lib/libpthread.so.0
#2 0x001295e4 in Upp::Mutex::Enter (this=0x50803d) at /users/didier/upp/uppsrc/Core/Mt.h:305
#3 0x00129624 in Upp::Mutex::Lock::Lock (this=0xbeed4b0c, s=...) at
/users/didier/upp/uppsrc/Core/Mt.h:353
#4 0x002a23f4 in Upp::StaticMutex::Initialize (this=0x506118) at
/users/didier/upp/uppsrc/Core/Mt.cpp:643
#5 0x00129550 in Upp::StaticMutex::Get (this=0x506118) at
/users/didier/upp/uppsrc/Core/Mt.h:380
#6 0x00129580 in Upp::StaticMutex::operator Upp::Mutex& (this=0x506118) at
/users/didier/upp/uppsrc/Core/Mt.h:381
#7 0x002e0800 in Upp::AddModule (l=0x3ffa50, name=0x0) at
/users/didier/upp/uppsrc/Core/t.cpp:98
#8 0x0000fb0 in Upp::LNG_MODULE00_fn () at /users/didier/upp/uppsrc/Core/t.h:211
#9 0x0000fc2c in Upp::Callinit::Callinit (this=0x4141dd, fn=0xfb98 <Upp::LNG_MODULE00_fn(), cpp=0x3479e8 "/users/didier/upp/uppsrc/Core/t.h", line=202)
    at /users/didier/upp/uppsrc/Core/Defs.h:169
#10 0x0000fb18 in __static_initialization_and_destruction_0 (__initialize_p=1, __priority=65535)
at /users/didier/upp/uppsrc/Core/t.h:202
#11 0x0000fb70 in global constructors keyed to CtrlLib.icpp(void) () at
/users/didier/upp/uppsrc/CtrlLib/CtrlLib.icpp:20
#12 0x003474c0 in __libc_csu_init ()
#13 0x4043efb8 in __libc_start_main () from /lib/libc.so.6
#14 0x0000e338 in _start ()
```

I will be looking into it this WE but if someone has any idea I would appreciate it.

Apparently it get's stuck when taking the mutex on function start:

```
void AddModule(const LngEntry__ * l, const char *name)
{
    CriticalSection::Lock __(sln); **** HERE ****
    Array<LngModule>& ma = sMod();
    LngModule& m = ma.Add();
    m.name = name;
    Vector<LngRec> *lr = NULL;
    while(l->lang) {
        if(l->lang == 1) {
            CharS ids;
            ids.s = l->text;
            lr = &m.map.GetAdd(ids);
            LngRec& r = lr->Add();
```

```
r.lang = LNG_(&'E','&'N','&'U','&'S');
r.text = GetENUSc(l->text);
}
else
if(l->text && *l->text) {
    LngRec& r = lr->Add();
    r.lang = l->lang;
    r.text = l->text;
}
l++;
}
```

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