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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 with 'MT' flag 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=0xbed4b0c, s=...) at
/users/didier/upp/uppsrc/Core/Mt.h:353
u#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 0x0000fbb0 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 __(slng); ***** 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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