

## Ryzom - Bug # 857

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	ratmice	<b>Category:</b>	Client: General
<b>Created:</b>	05/08/2010	<b>Assignee:</b>	vl
<b>Updated:</b>	05/28/2010	<b>Due date:</b>	
<b>Subject:</b>	linux/assertion failure CCoTask::getCurrentTask() == this		
<b>Description</b>			
<p>This is a difficult to figure out problem so i figured i'd better document it, before someone else spends a bunch of time trying to figure it out...</p> <p>what appears to be happening when I hit this error is that</p> <p>we create libxml2 threads to parse stuff, libxml2 calls pthread_key_create gets a key, libxml2 thread exits, and the key is pthread_key_delete()'d but libxml2 caches this key in a 'globalkey' variable,</p> <p>the client then calls pthread_key_create, gets the same key handed out we startup more libxml2 threads, and those use what is now <b>our</b> key... they do some stuff, and pthread_key_delete() and our values go poof.</p> <p>pthread_getspecific then gets called with our key and returns NULL, and we hit this assertion because NULL != this.</p> <p>I have hacked the client here in CTDS::CTDS to check if (_Key == 3) { get a new key; then pthread_key_delete(3); } with this change I get much further (character creation screen), YMMV and it is a really really horrible workaround.</p> <p>potential solutions are somehow ensuring that the first libxml2 thread never exists? or fixing libxml2?</p>			

### History

#1 - 05/10/2010 01:47 am - ratmice

- File xml.diff added

Ok, so I looked into this a bit further:

seems that calling xmlCleanupParser in CIXML::release() is the entire problem.

- xmlCleanupParser:\*
- This function name is somewhat misleading. It does not clean up parser state, it cleans up memory allocated by the library itself.
- WARNING: if your application is multithreaded or has plugin support
  - calling this may crash the application if another thread or a plugin is still using libxml2. It's sometimes very hard to guess if libxml2 is in use in the application, some libraries or plugins may use it without notice. In case of doubt abstain from calling this function or do it just before calling exit()
  - to avoid leak reports from valgrind !

**#2 - 05/10/2010 05:08 pm - vl**

- Status changed from New to Assigned
- Assignee set to vl

**#3 - 05/10/2010 05:41 pm - vl**

- Status changed from Assigned to Resolved
- % Done changed from 0 to 100

Applied in changeset r65.

**#4 - 05/18/2010 10:21 am - vl**

- Target version set to Version 0.8.0

**#5 - 05/28/2010 05:23 pm - vl**

- Status changed from Resolved to Closed

**Files**

---

xml.diff	334 Bytes	05/10/2010	ratmice
----------	-----------	------------	---------