

## Ruby master - Bug #15072

### thread.c:4356:5: error: implicit declaration of function 'ubf\_list\_atfork'

09/05/2018 03:01 AM - duerst (Martin Dürst)

<b>Status:</b> Open	
<b>Priority:</b> Normal	
<b>Assignee:</b> normalperson (Eric Wong)	
<b>Target version:</b>	
<b>ruby -v:</b> ruby 2.6.0dev (2018-08-01 trunk 64156) [x86_64-cygwin]	<b>Backport:</b> 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
<b>Description</b>	
When compiling on cygwin, I get the following error:	
<pre>compiling thread.c thread.c: In function 'rb_thread_atfork_internal': thread.c:4356:5: error: implicit declaration of function 'ubf_list_atfork' [-Werror=implicit-function-declaration]     ubf_list_atfork();     ^~~~~~</pre>	
The ubf_list_atfork function was introduced by issue <a href="#">#15013</a> in r64485.	
The problem is that the function is defined as <i>static</i> in thread_pthread.c, but is used in thread.c. Not being an expert on threads, I thought that maybe ubf_list_atfork is a function that's available on some OSes, but that can't be the case. I only got empty results when searching for it.	
There's also a macro for ubf_list_atfork in thread_win32.c, but that doesn't seem to be related here.	
[below it says my Ruby version is trunk 64156, but I'm compiling on HEAD.]	
<b>Related issues:</b>	
Related to Ruby master - Bug #15130: Nested Timeouts hang on cygwin	<b>Closed</b>

## History

### #1 - 09/05/2018 04:03 AM - normalperson (Eric Wong)

[duerst@it.aoyama.ac.jp](mailto:duerst@it.aoyama.ac.jp) wrote:

<https://bugs.ruby-lang.org/issues/15072>

I think copying the macro for win32 for the !USE\_UBF\_LIST case should work(\*). Can you test and commit if it works? (too tired and might not be back online soon)

```
diff --git a/thread_pthread.c b/thread_pthread.c
index 0159b65291..2fc8f1d681 100644
--- a/thread_pthread.c
+++ b/thread_pthread.c
@@ -1379,7 +1379,8 @@ ubf_wakeup_all_threads(void)
 #define ubf_select 0
 static void ubf_wakeup_all_threads(void) { return; }
 static int ubf_threads_empty(void) { return 1; }
+#define ubf_list_atfork() do {} while (0)
 #endif /* USE_UBF_LIST */

 #define TT_DEBUG 0
 #define WRITE_CONST(fd, str) (void)(write((fd), (str), sizeof(str)-1)<0)
```

Something similar for ubf\_timer\_disarm() might be needed, too.

(\*) Because ubf\_list stuff is disabled on Cygwin (Not sure why, it's always been that way):

```
#if defined(SIGVTALRM) && !defined(CYGWIN)
# define USE_UBF_LIST 1
```

#endif

**#2 - 09/05/2018 06:18 AM - duerst (Martin Dürst)**

- *Status changed from Open to Closed*

That fix worked, thanks! Committed with r64635, okay on travis, not sure about other CIs.

**#3 - 09/19/2018 06:06 AM - duerst (Martin Dürst)**

- *Related to Bug #15130: Nested Timeouts hang on cygwin added*

**#4 - 09/20/2018 03:32 AM - duerst (Martin Dürst)**

- *Status changed from Closed to Open*

duerst (Martin Dürst) wrote:

That fix worked, thanks! Committed with r64635, okay on travis, not sure about other CIs.

Sorry for reopening. It seemed to work, but it left [#15130](#). So I'm reopening this.

The issue here started with the commit at r64485.

Any help appreciated!