

DragonFlyBSD - Bug #757

Lock-up when calling select(2) or poll(2) from "child" LWP [status=resolved,priority=bug]

08/02/2007 01:18 PM - nthery

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	
Description	
Hello,	
When select(2) or poll(2) puts to sleep a LWP, the LWP may never be woken up when the events waited for occur because the TID of the LWP is not saved in the selinfo structure by selrecord().	
si_tid is not initialised explicitly anywhere but happens to be set to 0 (for pipes at least, I haven't checked other occurrences), so the problem is not reproducible for the initial LWP created at process construction time.	
The following patch fixes the problem.	
Cheers, Nicolas	
Index: src/sys/kern/sys_generic.c	
=====	
--- src.orig/sys/kern/sys_generic.c 2007-08-01 22:14:28.000000000 +0200	
+++ src/sys/kern/sys_generic.c 2007-08-02 13:56:28.000000000 +0200	
@@ -1093,6 +1093,7 @@	
sip->si_flags = SI_COLL;	
} else {	
sip->si_pid = selector->td_proc->p_pid;	
+ sip->si_tid = selector->td_lwp->lwp_tid;	
}	
}	

History

#1 - 08/02/2007 01:35 PM - corecode

wow, good catch!

thanks, committed!
simon

#2 - 08/02/2007 05:57 PM - pavalos

Committed and MFC'd.