

DragonFlyBSD - Bug #2008

lwkt_setcpu_remote: td->td_flags 00800621 console flood

03/03/2011 08:35 PM - pavalos

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|--|--------|------------------------|-----------|
| Status: | New | Start date: | |
| Priority: | Normal | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | | | |
| Description | | | |
| I woke up to the console spewing this message infinitely. I couldn't seem to break out of it, and had to power cycle the machine. Kernel is: DragonFly v2.9.1.747.gf7b29d-DEVELOPMENT #42 : Sun Feb 20 19:53:37 HST 2011 | | | |

History

#1 - 03/06/2011 05:42 PM - dillon

:New submission from Peter Avalos <peter@theshell.com>:

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:I woke up to the console spewing this message infinitely. I couldn't seem to break out of it, and had to power cycle the machine. Kernel is: DragonFly v2.9.1.747.gf7b29d-DEVELOPMENT [#42](#): Sun Feb 20 19:53:37 HST 2011

:

:status: unread

:title: lwkt_setcpu_remote: td->td_flags 00800621 console flood

Hmm. Too bad we couldn't get a core. I suspect the IPIQ fifo has filled up and caused a livelock against another cpu trying to migrate a thread at the same time.

I think I will have to change the cpu migration mechanics, the current algorithm is clearly too fragile.

-Matt
Matthew Dillon
<dillon@backplane.com>

#2 - 03/06/2011 06:28 PM - dillon

:New submission from Peter Avalos <peter@theshell.com>:

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I'm taking a shot in the dark but I've made a change to the setcpu code in commit 95858b9186e25a62d68c58e909b9fe7f50ee81d7 which *MIGHT* fix the problem. It's going to reproduce fairly rarely but it's the only thing I see that can cause the problem.

-Matt
Matthew Dillon
<dillon@backplane.com>

#3 - 03/06/2011 09:37 PM - pavalos

On Sun, Mar 06, 2011 at 10:26:49AM -0800, Matthew Dillon wrote:

> :New submission from Peter Avalos <peter@theshell.com>:

> :

> :I woke up to the console spewing this message infinitely. I couldn't seem to break out of it, and had to power cycle the machine. Kernel is: DragonFly v2.9.1.747.gf7b29d-DEVELOPMENT [#42](#): Sun Feb 20 19:53:37 HST 2011

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>

Yeh, I've only seen it happen once. I'll compile up a new kernel, and I guess we'll just see if we ever see it again.

--Peter