

DragonFlyBSD - Bug #3096

VM bug in pmap code.

11/02/2017 03:00 AM - arcade@b1t.name

Status:	Feedback	Start date:	11/02/2017
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	VM subsystem	Estimated time:	0.00 hour
Target version:			
Description			
Just got core dump. Code is from git, just before compatibility removal.			

History

#1 - 11/06/2017 10:57 AM - swildner

Is that master or release? Can you try with latest code?

#2 - 11/06/2017 11:04 AM - swildner

This should be fixed by c5030460c6 in master.

#3 - 11/06/2017 11:09 AM - dillon

Oops, I gave swildner bad info. It isn't fixed in c503.

Make sure that machdep.pmap_mmu_optimize is turned off (it should be off by default). We've gotten sporadic reports of this particular panic and have not yet tracked down the reason for it. Nobody can reproduce it reliably which makes tracking the problem down difficult. So if you can find a reproduction case for it, we definitely want to know!

(Also tell as per swildner's first comment whether you are doing this on master or release).

-Matt

#4 - 11/06/2017 11:17 AM - arcade@b1t.name

I'm on master. Hadn't faced that one another time.

machdep.pmap_mmu_optimize: 0

I just remember the system was extra slow (probably due to hammer2 and low space situation) and that I was overusing swap a lot. Will try to reproduce.

#5 - 11/09/2017 05:12 AM - arcade@b1t.name

- File core.txt.49 added

- File core.txt.50 added

Whoah, something changed. Getting it all the time. First one was just after the reboot, second was when removing a few gigs from tmpfs.

#6 - 11/13/2017 07:36 AM - arcade@b1t.name

No more cores so far. I think I found a possible trigger for it but that's a sad story. I'm an Enlightenment user and I'm still using it (despite it had been removed from dports). When everything starts failing last time I traced that down to /usr/local/lib/ecore/system/upower/v-1.18/module.so. When that file was present Terminology was crashing on start almost each time (except when started before E17, still crashing but not that fast). And a core was happening when I was switching to another window. Since E17 is modular the only thing I had to do is to remove the file and everything was magically fixed!

#7 - 12/26/2017 10:21 PM - arcade@b1t.name

Happened again a few times when trying to build ports, probably during package compression. Dump was too huge to fit into the swap partition. Would try a few more times - this time it's surely not bound to hammer2.

#8 - 10/04/2018 11:40 AM - arcade@b1t.name

I tried removing all tmpfs usage from my host and it looks like that helped. System is not crashing or hanging any more, one week without reboot is normal. Getting tmpfs back make system unstable under huge loads, when I'm trying to push something huge there.

#9 - 06/18/2019 07:33 AM - liweitianux

- Status changed from New to Feedback

Hi, the VM subsystem has been significantly improved recently (also released as 5.6). Are you running the latest DragonFly BSD and do you have the same issues? Thank you.

Files

core.txt.48	199 KB	11/02/2017	arcade@b1t.name
core.txt.49	197 KB	11/09/2017	arcade@b1t.name
core.txt.50	276 KB	11/09/2017	arcade@b1t.name