

DragonFlyBSD - Bug #2994

Intermittent boot hangs after git: hammer - HAMMER Version 7

03/28/2017 11:44 AM - davshao

Status:	New	Start date:	03/28/2017
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Bisected to git: hammer - HAMMER Version 7 commit 4c09d9c4fd910651904ede280ad90a4abf3fc5d7 Date: Fri Mar 17 14:06:24 2017 -0700			
hammer - HAMMER Version 7			
intermittent boot hangs stopping at			
ums0: <Logitech USB-PS2 Optical Mouse, class 0/0, rev 2.00/20.00, addr 5> on usb ums0: 3 buttons and [XYX] coordinates ID=0 no B_DEVMAGIC (bootdev=0)			
Boot proceeds normally when using verbose option which is why I can attach the verbose dmesg.			
The machine uses a refurbished Asus P8H77-V motherboard with several internal hard drives with different OSes using legacy BIOS.			
\$ hammer info			
Volume identification			
Label ROOT			
No. Volumes 1			
HAMMER Volumes /dev/serno/WD-WMAYP5624974.s3d			
Root Volume /dev/serno/WD-WMAYP5624974.s3d			
FSID 9d8141cd-c974-11e5-9ccd-bd5ff4499104			
HAMMER Version 6			
Big-block information			
Total 29669			
Used 9119 (30.74%)			
Reserved 70 (0.24%)			
Free 20480 (69.03%)			
Space information			
No. Inodes 856028			
Total size 232G (248881610752 bytes)			
Used 71G (30.74%)			
Reserved 560M (0.24%)			
Free 160G (69.03%)			
PFS information			
PFS# Mode Snaps			
0 MASTER 0 (root PFS)			

History

#1 - 03/28/2017 12:52 PM - dillon

Did it get to the 'CAM: Configuring N busses' and 'CAM: finished configuring all busses' before hanging? If not then it will stop there waiting for CAM to finish configuring.

There is a possible deadlock somewhere in CAM from changes made in Feb to fix some other holes in CAM's locking. The fact that a verbose boot worked makes that all the more likely to be the issue. Kind of a chicken and egg issue. What I really need is a backtrace of the offending kernel threads but that might be difficult at that point in the boot. you might be able to ctl-alt-esc into the debugger, but it would take some messing around to get a decent trace of the offending threads (basically you have to find the stack addresses which is typically listed in the thread list and x/a <addr> then hit return a ton of times to dump the stack for each thread). I don't know if the symbol table will be available at that point in the boot sequence.

-Matt

#2 - 03/28/2017 11:11 PM - davshao

Apologies, it now seems to me that the problem for my machine may be with:

commit f240042b9f9bcfdacd70499659fcc5f55d5e49ab
Date: Sun Mar 26 23:35:55 2017 -0700

kernel - Spread IPs out to more priority levels

#3 - 03/30/2017 02:06 PM - dillon

Could you re-test with and without that commit? Be sure to do a full kernel rebuild for that one (world rebuild not necessary). If that is breaking you then I missed something in that commit and I will back it out.

-Matt

Files

p8h77v_dmesg.txt	63.3 KB	03/28/2017	davshao
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