

DragonFlyBSD - Bug #1831

HAMMER "malloc limit exceeded" panic

09/11/2010 04:42 PM - eocallaghan

Status:	Feedback	Start date:	
Priority:	High	Due date:	
Assignee:	dillon	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>I was able to reproduce with a hammer equivalent of issue1726 with the following test case from vsrinivas in issue1726:</p>			
<pre>#include <unistd.h> #include <stdlib.h> #include <stdio.h> main() { int i; char id[320] = {}; for (i = 0; i < 10000000; i++) { sprintf(id, "%09d", i); link("sin.c", id); } return 0; } ----</pre>			
<pre>(kgdb) bt #0 _get_mycpu (di=0xc06d4ca0) at ./machine/thread.h:83 #1 md_dumpsys (di=0xc06d4ca0) at /usr/src/sys/platform/pc32/i386/dump_machdep.c:263 #2 0xc0304d15 in dumpsys () at /usr/src/sys/kern/kern_shutdown.c:880 #3 0xc03052d5 in boot (howto=260) at /usr/src/sys/kern/kern_shutdown.c:387 #4 0xc030559e in panic (fmt=0xc05bb41b "%s: malloc limit exceeded") at /usr/src/sys/kern/kern_shutdown.c:786 #5 0xc03032bb in kmalloc (size=25, type=0xc1d8f590, flags=258) at /usr/src/sys/kern/kern_slaballoc.c:503 #6 0xc04aa5a3 in hammer_alloc_mem_record (ip=0xcb803d50, data_len=25) at /usr/src/sys/vfs/hammer/hammer_object.c:280 #7 0xc04aa91f in hammer_ip_add_directory (trans=0xce350ad4, dip=0xcb803d50, name=0xd3cdb1d0 "000452457", bytes=9, ip=0xce31df50) at /usr/src/sys/vfs/hammer/hammer_object.c:666 #8 0xc04bbf8a in hammer_vop_nlink (ap=0xce350b2c) at /usr/src/sys/vfs/hammer/hammer_vnops.c:1388 #9 0xc036cc1f in vop_nlink_ap (ap=0xce350b2c) at /usr/src/sys/kern/vfs_vopops.c:1978 #10 0xc03717ca in null_nlink (ap=0xce350b2c) at /usr/src/sys/vfs/nullfs/null_vnops.c:164 #11 0xc036d465 in vop_nlink (ops=0xcdbbe030, nch=0xce350c48, dvp=0xce0913e8, vp=0xce2f04e8, cred=0xcdef1738) at /usr/src/sys/kern/vfs_vopops.c:1397 ---Type <return> to continue, or q <return> to quit--- ---Type <return> to continue, or q <return> to quit---#12 0xc0365496 in kern_link (nd=0xce350c80, linknd=0xce350c48) at /usr/src/sys/kern/vfs_syscalls.c:2320 #13 0xc036ad49 in sys_link (uap=0xce350cf0) at /usr/src/sys/kern/vfs_syscalls.c:2345 #14 0xc055f6b3 in syscall2 (frame=0xce350d40) at /usr/src/sys/platform/pc32/i386/trap.c:1310</pre>			

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#15 0xc0547fb6 in Xint0x80_syscall ()
at /usr/src/sys/platform/pc32/i386/exception.s:876
#16 0x0000001f in ?? ()
Backtrace stopped: previous frame inner to this frame (corrupt stack?)
(kgdb)
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Dump on my leaf account;
http://leaf.dragonflybsd.org/~evocallaghan/hammer_vfs_panic.7z

Cheers,
Edward.

History

#1 - 01/21/2012 06:01 AM - ftigeot

- *Status changed from New to Feedback*

Much work has been done recently to handle low-memory situations gracefully.

Does this problem still occur ?

#2 - 01/23/2013 05:03 PM - tuxillo

- *File hammermalloc_core.txt.0 added*

Hi,

This is still happening. I've attached core.txt which shows that HAMMER-others is exceeded.

Cheers,
Antonio Huete

Files

hammermalloc_core.txt.0	49.6 KB	01/24/2013	tuxillo
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