
Subject: Debug Kernel Question

Posted by [mperkel](#) on Fri, 06 Mar 2009 15:02:36 GMT

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I built a debug kernel to debug a kernel problem related to kernel crashes from a bug relating to the EXT3 file system. However the messages file doesn't contain any more information than a standard kernel lookup. Is there a setting I need to activate to get more information about file system problems?

Also - this computer is being used for backups and has a LOT of files and a LOT of hard links. I'm also using one of those Seagate 1.5T drives but I did do the drive bios upgrade. And I've moved the drive to different computers and the problem follows the drive. (Or the fact that I'm backing up running rsync and cp -al and it always dies during the backup)

Sure like to get to the bottom of this. Thanks in advance.

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Mar 6 02:25:23 vpsa kernel: -----[ cut here ]-----
Mar 6 02:25:23 vpsa kernel: kernel BUG at fs/jbd/journal.c:569!
Mar 6 02:25:23 vpsa kernel: invalid opcode: 0000 [1] SMP
Mar 6 02:25:23 vpsa kernel: CPU: 1
Mar 6 02:25:23 vpsa kernel: Modules linked in: vzethdev vznetdev simfs vzrst vzcpt tun vzmon
xt_length ipt_ttl xt_tcpmss xt_TCPMSS$
Mar 6 02:25:23 vpsa kernel: Pid: 2365, comm: kjournald Not tainted 2.6.24 #2 ovz008
Mar 6 02:25:23 vpsa kernel: RIP: 0010:[<ffffffff88025629>] [<ffffffff88025629>]
: jbd:journal_next_log_block+0x26/0x77
Mar 6 02:25:23 vpsa kernel: RSP: 0018:ffff81022cdede10 EFLAGS: 00010246
Mar 6 02:25:23 vpsa kernel: RAX: ffff81022d0ee000 RBX: ffff81022c583090 RCX: ffffffff8802561f
Mar 6 02:25:23 vpsa kernel: RDX: 0000000000000001 RSI: 0000000000000143 RDI:
ffff81022c5830b8
Mar 6 02:25:23 vpsa kernel: RBP: ffff81022c583090 R08: 0000000000000000 R09:
0000000000000000
Mar 6 02:25:23 vpsa kernel: R10: ffffffff8802561f R11: ffff81022cdede98 R12: ffff81022c5830b8
Mar 6 02:25:23 vpsa kernel: R13: ffff81022cdede90 R14: 000000000000001b R15:
ffff8101096f0414
Mar 6 02:25:23 vpsa kernel: FS: 00002ba95e750100(0000) GS: ffff81022fc02708(0000)
knlGS: 00000000b7f746d0
Mar 6 02:25:23 vpsa kernel: CS: 0010 DS: 0018 ES: 0018 CR0: 000000008005003b
Mar 6 02:25:23 vpsa kernel: CR2: 000000031f309ac20 CR3: 00000001909e9000 CR4:
000000000000006a0
Mar 6 02:25:23 vpsa kernel: DR0: 0000000000000000 DR1: 0000000000000000 DR2:
0000000000000000
Mar 6 02:25:23 vpsa kernel: DR3: 0000000000000000 DR6: 00000000ffff0ff0 DR7:
00000000000000400
Mar 6 02:25:23 vpsa kernel: Process kjournald (pid: 2365, veid=0, threadinfo ffff81022cdec000,
task ffff81022d0ee000)
Mar 6 02:25:23 vpsa kernel: Stack: ffff81022c583090 ffff81009c54d930 ffff81022c583090
ffff8100a07bd888
Mar 6 02:25:23 vpsa kernel: ffff8102191033d8 ffffffff8802239a ffff81022c179000
```

000000802cdfd8b8

Mar 6 02:25:23 vpsa kernel: 00000bec00000000 000001f000000000 ffff81022cdfd8b8
ffffff81503280

Mar 6 02:25:23 vpsa kernel: Call Trace:

Mar 6 02:25:23 vpsa kernel: [<ffffff8802239a>] :jbd:journal_commit_transaction+0x6a2/0xdf4

Mar 6 02:25:23 vpsa kernel: [<ffffff880258ed>] :jbd:kjournald+0xba/0x21d

Mar 6 02:25:23 vpsa kernel: [<ffffff81048ca2>] autoremove_wake_function+0x0/0x2e

Mar 6 02:25:23 vpsa kernel: [<ffffff88025833>] :jbd:kjournald+0x0/0x21d

Mar 6 02:25:23 vpsa kernel: [<ffffff81048b88>] kthread+0x47/0x73

Mar 6 02:25:23 vpsa kernel: [<ffffff8125e844>] trace_hardirqs_on_thunk+0x35/0x3a

Mar 6 02:25:23 vpsa kernel: [<ffffff8100cf58>] child_rip+0xa/0x12

Mar 6 02:25:23 vpsa kernel: [<ffffff8100c66f>] restore_args+0x0/0x30

Mar 6 02:25:23 vpsa kernel: [<ffffff81048a11>] kthreadd+0x115/0x13a

Mar 6 02:25:23 vpsa kernel: [<ffffff81048a11>] kthreadd+0x115/0x13a

Mar 6 02:25:23 vpsa kernel: [<ffffff81048b41>] kthread+0x0/0x73

Mar 6 02:25:23 vpsa kernel: [<ffffff8100cf4e>] child_rip+0x0/0x12

Mar 6 02:25:23 vpsa kernel:

Mar 6 02:25:23 vpsa kernel:

Mar 6 02:25:23 vpsa kernel: Code: 0f 0b eb fe 48 8b ab e8 02 00 00 48 ff 8b f8 02 00 00 48 8d

Mar 6 02:25:23 vpsa kernel: RIP [<ffffff88025629>] :jbd:journal_next_log_block+0x26/0x77

Mar 6 02:25:23 vpsa kernel: RSP <ffff81022cdede10>

Mar 6 02:25:23 vpsa kernel: ---[end trace 5e5300396f9c4ef2]---