
Subject: File System Related Kernel CrashPosted by [mperkel](#) on Thu, 26 Mar 2009 18:00:04 GMT[View Forum Message](#) <> [Reply to Message](#)

I've had this bug for a long time. I turned on some debugging and here's what I captured. The problem always happens during backups where I'm running rsync and there's a lot of disk activity. Is this useful and if not how do I make it useful?

```
ar 26 02:42:09 vpsa kernel: -----[ cut here ]-----
Mar 26 02:42:09 vpsa kernel: kernel BUG at fs/jbd/journal.c:569!
Mar 26 02:42:09 vpsa kernel: invalid opcode: 0000 [1] SMP
Mar 26 02:42:09 vpsa kernel: CPU: 1
Mar 26 02:42:09 vpsa kernel: Modules linked in: vzethdev simfs vzrst vzcpt tun vzdquota
xt_tcpudp xt_length ipt_ttl xt_tcpmss xt_TCPMSS iptable_mangle iptable_filter xt_multiport
xt_limit ipt_tos ipt_REJECT ip_tables x_tables autofs4 fuse sunrpc vznetdev vzmon vzdev ipv6
cpufreq_ondemand powernow_k8 freq_table dm_mirror dm_multipath dm_mod snd_hda_intel
snd_seq_dummy snd_seq_oss snd_seq_midi_event snd_seq snd_seq_device snd_pcm_oss
snd_mixer_oss snd_pcm parport_pc snd_timer parport snd_page_alloc firewire_ohci k8temp
firewire_core snd_hwdep serio_raw pcspkr hwmon crc_itu_t snd soundcore forcedeth pata_amd
i2c_nforce2 i2c_core button sg usb_storage ahci pata_atiixp pata_acpi sata_nv ata_generic libata
sd_mod scsi_mod ext3 jbd mbcache uhci_hcd ohci_hcd ehci_hcd
Mar 26 02:42:09 vpsa kernel: Pid: 2356, comm: kjournald Not tainted 2.6.24 #3 ovz008
Mar 26 02:42:09 vpsa kernel: RIP: 0010:[<ffffffff8802652c>] [<ffffffff8802652c>]
: jbd:journal_next_log_block+0x26/0x77
Mar 26 02:42:09 vpsa kernel: RSP: 0018:ffff81022550de10 EFLAGS: 00010246
Mar 26 02:42:09 vpsa kernel: RAX: ffff81021c494000 RBX: ffff81022d0d6848 RCX:
ffff81022d0d6870
Mar 26 02:42:09 vpsa kernel: RDX: 0000000000000001 RSI: 0000000000000142 RDI:
ffff81022d0d6870
Mar 26 02:42:09 vpsa kernel: RBP: ffff81022d0d6848 R08: 0000000000000000 R09:
0000000000000000
Mar 26 02:42:09 vpsa kernel: R10: ffffffff88026522 R11: ffff81022550de98 R12: ffff81022d0d6870
Mar 26 02:42:09 vpsa kernel: R13: ffff81022550de90 R14: ffff810031df0a80 R15:
ffff81010b0a486c
Mar 26 02:42:09 vpsa kernel: FS: 00002ac9dc03a490(0000) GS: ffff81022fc02708(0000)
knlGS: 0000000000000000
Mar 26 02:42:09 vpsa kernel: CS: 0010 DS: 0018 ES: 0018 CR0: 000000008005003b
Mar 26 02:42:09 vpsa kernel: CR2: 0000000006bb424 CR3: 0000000213117000 CR4:
00000000000006a0
Mar 26 02:42:09 vpsa kernel: DR0: 0000000000000000 DR1: 0000000000000000 DR2:
0000000000000000
Mar 26 02:42:09 vpsa kernel: DR3: 0000000000000000 DR6: 00000000ffff0ff0 DR7:
0000000000000400
Mar 26 02:42:09 vpsa kernel: Process kjournald (pid: 2356, veid=0, threadinfo ffff81022550c000,
task ffff81021c494000)
Mar 26 02:42:09 vpsa kernel: Stack: ffff81022d0d6848 ffff81010b0a4864 ffff81022d0d6848
ffff81009cae35e8
```

```

Mar 26 02:42:09 vpsa kernel: ffff810216137a40 ffffffff880229c5 ffff810225cc5000
0000010b2c8898b8
Mar 26 02:42:09 vpsa kernel: 0000079400000000 000000d600000000 0000000000000000
ffff81021c494000
Mar 26 02:42:09 vpsa kernel: Call Trace:
Mar 26 02:42:09 vpsa kernel: [<ffffffffff880229c5>] :jbd:journal_commit_transaction+0x8ad/0x11a0
Mar 26 02:42:09 vpsa kernel: [<ffffffffff81048ca2>] autoremove_wake_function+0x0/0x2e
Mar 26 02:42:09 vpsa kernel: [<ffffffffff88026921>] :jbd:kjournald+0x134/0x380
Mar 26 02:42:09 vpsa kernel: [<ffffffffff81048ca2>] autoremove_wake_function+0x0/0x2e
Mar 26 02:42:09 vpsa kernel: [<ffffffffff880267ed>] :jbd:kjournald+0x0/0x380
Mar 26 02:42:09 vpsa kernel: [<ffffffffff81048b88>] kthread+0x47/0x73
Mar 26 02:42:09 vpsa kernel: [<ffffffffff8125e844>] trace_hardirqs_on_thunk+0x35/0x3a
Mar 26 02:42:09 vpsa kernel: [<ffffffffff8100cf58>] child_rip+0xa/0x12
Mar 26 02:42:09 vpsa kernel: [<ffffffffff8100c66f>] restore_args+0x0/0x30
Mar 26 02:42:09 vpsa kernel: [<ffffffffff81048a11>] kthreadd+0x115/0x13a
Mar 26 02:42:09 vpsa kernel: [<ffffffffff81048a11>] kthreadd+0x115/0x13a
Mar 26 02:42:09 vpsa kernel: [<ffffffffff81048b41>] kthread+0x0/0x73
Mar 26 02:42:09 vpsa kernel: [<ffffffffff8100cf4e>] child_rip+0x0/0x12
Mar 26 02:42:09 vpsa kernel:
Mar 26 02:42:09 vpsa kernel:
Mar 26 02:42:09 vpsa kernel: Code: 0f 0b eb fe 48 8b ab e8 02 00 00 48 ff 8b f8 02 00 00 48 8d
Mar 26 02:42:09 vpsa kernel: RIP [<ffffffffff8802652c>] :jbd:journal_next_log_block+0x26/0x77
Mar 26 02:42:09 vpsa kernel: RSP <ffff81022550de10>
Mar 26 02:42:09 vpsa kernel: ---[ end trace 7fb65a5bfb475762 ]---
Mar 26 02:43:13 vpsa kernel: BUG: soft lockup - CPU#0 stuck for 11s! [crond:18009]
Mar 26 02:43:13 vpsa kernel: CPU 0:
Mar 26 02:43:13 vpsa kernel: Modules linked in: vzethdev simfs vzrst vzcpt tun vzdquota
xt_tcpudp xt_length ipt_ttl xt_tcpmss xt_TCPMSS iptable_mangle iptable_filter xt_multiport
xt_limit ipt_tos ipt_REJECT ip_tables x_tables autofs4 fuse sunrpc vznetdev vzmon vzdev ipv6
cpufreq_ondemand powernow_k8 freq_table dm_mirror dm_multipath dm_mod snd_hda_intel
snd_seq_dummy snd_seq_oss snd_seq_midi_event snd_seq snd_seq_device snd_pcm_oss
snd_mixer_oss snd_pcm parport_pc snd_timer parport snd_page_alloc firewire_ohci k8temp
firewire_core snd_hwdep serio_raw pcspkr hwmon crc_itu_t snd soundcore forcedeth pata_amd
i2c_nforce2 i2c_core button sg usb_storage ahci pata_atiixp pata_acpi sata_nv ata_generic libata
sd_mod scsi_mod ext3 jbd mbcache uhci_hcd ohci_hcd ehci_hcd
Mar 26 02:43:13 vpsa kernel: Pid: 18009, comm: crond Tainted: G D 2.6.24 #3 ovz008
Mar 26 02:43:13 vpsa kernel: RIP: 0010:[<ffffffffff81118f95>] [<ffffffffff81118f95>]
_raw_spin_lock+0x81/0xf6
Mar 26 02:43:13 vpsa kernel: RSP: 0018:ffff810044415c48 EFLAGS: 00000246
Mar 26 02:43:13 vpsa kernel: RAX: 0000000000000000 RBX: 0000000010c8e945 RCX:
000000000823a18f3
Mar 26 02:43:13 vpsa kernel: RDX: 000000000000006f12 RSI: 0000000000000000 RDI:
0000000000000001
Mar 26 02:43:13 vpsa kernel: RBP: 0000000000000000 R08: 0000000000000002 R09:
0000000000000000
Mar 26 02:43:13 vpsa kernel: R10: ffffffff88020cce R11: ffffffff8109af2a R12: 000000009b4c0310
Mar 26 02:43:13 vpsa kernel: R13: ffff81007fb54000 R14: ffff810044414000 R15:
0000000000000001

```

Mar 26 02:43:13 vpsa kernel: FS: 00002abfe26bb390(0000) GS:ffffff813cf000(0000)
knIGS:0000000000000000
Mar 26 02:43:13 vpsa kernel: CS: 0010 DS: 0000 ES: 0000 CR0: 000000008005003b
Mar 26 02:43:13 vpsa kernel: CR2: 00002abfe16ff000 CR3: 00000001a1801000 CR4:
000000000000006a0
Mar 26 02:43:13 vpsa kernel: DR0: 0000000000000000 DR1: 0000000000000000 DR2:
0000000000000000
Mar 26 02:43:13 vpsa kernel: DR3: 0000000000000000 DR6: 00000000ffff0ff0 DR7:
0000000000000400
Mar 26 02:43:13 vpsa kernel:
Mar 26 02:43:13 vpsa kernel: Call Trace:
Mar 26 02:43:13 vpsa kernel: [<ffffff81118fa2>] _raw_spin_lock+0x8e/0xf6
Mar 26 02:43:13 vpsa kernel: [<ffffff88020cce>] :jbd:start_this_handle+0xd4/0x490
Mar 26 02:43:13 vpsa kernel: [<ffffff88020cce>] :jbd:start_this_handle+0xd4/0x490
Mar 26 02:43:13 vpsa kernel: [<ffffff88021141>] :jbd:journal_start+0xb7/0x108
Mar 26 02:43:13 vpsa kernel: [<ffffff88036c7e>] :ext3:ext3_dirty_inode+0x28/0xb5
Mar 26 02:43:13 vpsa kernel: [<ffffff810bfb72>] __mark_inode_dirty+0x29/0x177
Mar 26 02:43:13 vpsa kernel: [<ffffff81078baa>] generic_file_aio_read+0x11f/0x162
Mar 26 02:43:13 vpsa kernel: [<ffffff810a2920>] do_sync_read+0xc9/0x10c
Mar 26 02:43:13 vpsa kernel: [<ffffff81048ca2>] autoremove_wake_function+0x0/0x2e
Mar 26 02:43:13 vpsa kernel: [<ffffff8125f084>] _spin_lock_irqsave+0x35/0x3e
Mar 26 02:43:13 vpsa kernel: [<ffffff810a30f0>] vfs_read+0xaa/0x152
Mar 26 02:43:13 vpsa kernel: [<ffffff810a352a>] sys_read+0x49/0xc4
Mar 26 02:43:13 vpsa kernel: [<ffffff8100c01e>] system_call+0x7e/0x83
Mar 26 02:43:13 vpsa kernel:
Mar 26 02:43:25 vpsa kernel: BUG: soft lockup - CPU#0 stuck for 11s! [crond:18009]
Mar 26 02:43:25 vpsa kernel: CPU 0:
Mar 26 02:43:25 vpsa kernel: Modules linked in: vzethdev simfs vzrst vzcpt tun vzdquota
xt_tcpudp xt_length ipt_ttl xt_tcpmss xt_TCPMSS iptable_mangle iptable_filter xt_multiport
xt_limit ipt_tos ipt_REJECT ip_tables x_tables autofs4 fuse sunrpc vznetdev vzmon vzdev ipv6
cpufreq_ondemand powernow_k8 freq_table dm_mirror dm_multipath dm_mod snd_hda_intel
snd_seq_dummy snd_seq_oss snd_seq_midi_event snd_seq snd_seq_device snd_pcm_oss
snd_mixer_oss snd_pcm parport_pc snd_timer parport snd_page_alloc firewire_ohci k8temp
firewire_core snd_hwdep serio_raw pcspkr hwmon crc_itu_t snd soundcore forcedeth pata_amd
i2c_nforce2 i2c_core button sg usb_storage ahci pata_atiixp pata_acpi sata_nv ata_generic libata
sd_mod scsi_mod ext3 jbd mbcache uhci_hcd ohci_hcd ehci_hcd
Mar 26 02:43:25 vpsa kernel: Pid: 18009, comm: crond Tainted: G D 2.6.24 #3 ovz008
Mar 26 02:43:25 vpsa kernel: RIP: 0010:[<ffffff81116057>] [<ffffff81116057>]
__delay+0x2/0x10
Mar 26 02:43:25 vpsa kernel: RSP: 0018:ffff810044415c40 EFLAGS: 00000206
Mar 26 02:43:25 vpsa kernel: RAX: 000000005ce8b076 RBX: 0000000021fc8839 RCX:
000000005ce8b044
Mar 26 02:43:25 vpsa kernel: RDX: 0000000000006f15 RSI: 0000000000000000 RDI:
0000000000000001
Mar 26 02:43:25 vpsa kernel: RBP: 0000000000000000 R08: 0000000000000002 R09:
0000000000000000
Mar 26 02:43:25 vpsa kernel: R10: fffffff88020cce R11: fffffff8109af2a R12: 000000009b4c0310
Mar 26 02:43:25 vpsa kernel: R13: ffff81007fb54000 R14: ffff810044414000 R15:

0000000000000001
Mar 26 02:43:25 vpsa kernel: FS: 00002abfe26bb390(0000) GS:ffffff813cf000(0000)
kniGS:0000000000000000
Mar 26 02:43:25 vpsa kernel: CS: 0010 DS: 0000 ES: 0000 CR0: 000000008005003b
Mar 26 02:43:25 vpsa kernel: CR2: 00002abfe16ff000 CR3: 00000001a1801000 CR4:
000000000000006a0
Mar 26 02:43:25 vpsa kernel: DR0: 0000000000000000 DR1: 0000000000000000 DR2:
0000000000000000
Mar 26 02:43:25 vpsa kernel: DR3: 0000000000000000 DR6: 00000000ffff0ff0 DR7:
0000000000000400
Mar 26 02:43:25 vpsa kernel:
Mar 26 02:43:25 vpsa kernel: Call Trace:
Mar 26 02:43:25 vpsa kernel: [<ffffff81118fa2>] _raw_spin_lock+0x8e/0xf6
Mar 26 02:43:25 vpsa kernel: [<ffffff88020cce>] :jbd:start_this_handle+0xd4/0x490
Mar 26 02:43:25 vpsa kernel: [<ffffff88020cce>] :jbd:start_this_handle+0xd4/0x490
Mar 26 02:43:25 vpsa kernel: [<ffffff88021141>] :jbd:journal_start+0xb7/0x108
Mar 26 02:43:25 vpsa kernel: [<ffffff88036c7e>] :ext3:ext3_dirty_inode+0x28/0xb5
Mar 26 02:43:25 vpsa kernel: [<ffffff810bfb72>] __mark_inode_dirty+0x29/0x177
Mar 26 02:43:25 vpsa kernel: [<ffffff81078baa>] generic_file_aio_read+0x11f/0x162
Mar 26 02:43:25 vpsa kernel: [<ffffff810a2920>] do_sync_read+0xc9/0x10c
Mar 26 02:43:25 vpsa kernel: [<ffffff81048ca2>] autoremove_wake_function+0x0/0x2e
Mar 26 02:43:25 vpsa kernel: [<ffffff8125f084>] _spin_lock_irqsave+0x35/0x3e
Mar 26 02:43:25 vpsa kernel: [<ffffff810a30f0>] vfs_read+0xaa/0x152
Mar 26 02:43:25 vpsa kernel: [<ffffff810a352a>] sys_read+0x49/0xc4
Mar 26 02:43:25 vpsa kernel: [<ffffff8100c01e>] system_call+0x7e/0x83
Mar 26 02:43:25 vpsa kernel:
