

Re: BUG-lockdep and freeze (was: Arrr! Linux 2.6.18)

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-09/msg09165.html>

- *From:* "Eric Rannaud" <eric.rannaud@xxxxxxxxxx>
 - *Date:* Sat, 30 Sep 2006 22:57:12 +0200
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On 9/30/06, Peter Zijlstra <a.p.zijlstra@xxxxxxxxxx> wrote:

<http://kernel.org/pub/linux/kernel/people/akpm/patches/2.6/2.6.18/2.6.18-mm1/broken-out/slab-fix-lockdep-warning>

<http://kernel.org/pub/linux/kernel/people/akpm/patches/2.6/2.6.18/2.6.18-mm1/broken-out/slab-fix-lockdep>

<http://kernel.org/pub/linux/kernel/people/akpm/patches/2.6/2.6.18/2.6.18-mm1/broken-out/slab-fix-lockdep>

Those should rid you off the trace seen under:

- > ----- console for (1) without numa=noacpi
- > Sep 30 15:54:06 liw64 kernel:

Somehow, it doesn't freeze anymore, although the BUG is still there with more or less the same stacktrace.

er.

----- (v2.6.18 with the 3 patches, w/o numa=noacpi)

[209.281596] BUG: warning at

kernel/lockdep.c:565/print_infinite_recursion_bug()

[209.281667]

[209.281668] Call Trace:

[209.281862] [[<ffffffff8020b22d>](#)] show_trace+0xad/0x3b0

[209.281921] [[<ffffffff8020b775>](#)] dump_stack+0x15/0x20

[209.281981] [[<ffffffff8024ba6d>](#)] print_infinite_recursion_bug+0x3d/0x50

[209.282098] [[<ffffffff8024bb7f>](#)] find_usage_backwards+0x2f/0xd0

[209.282212] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.282326] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.282439] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.282567] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.282695] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.282822] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.282949] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.283076] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.283203] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.283330] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

[209.283457] [[<ffffffff8024bbe3>](#)] find_usage_backwards+0x93/0xd0

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[209.283584] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.283711] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.283838] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.283965] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.284092] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.284220] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.284353] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.284398] powernow–k8: Found 16 Dual Core AMD Opteron(tm)
Processor 880 processors (version 2.00.00)
[209.284442] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284479] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284516] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284558] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284599] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284638] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284682] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284720] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284767] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284891] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284932] powernow–k8: MP systems not supported by PSB BIOS structure
[209.284972] powernow–k8: MP systems not supported by PSB BIOS structure
[209.285014] powernow–k8: MP systems not supported by PSB BIOS structure
[209.285051] powernow–k8: MP systems not supported by PSB BIOS structure
[209.285454] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.285581] [<ffffffff8024bbe3>] find_usage_backwards+0x93/0xd0
[209.285709] [<ffffffff8024c590>] check_usage+0x40/0x2b0
[209.285836] [<ffffffff8024de60>] __lock_acquire+0xa50/0xd20
[209.285964] [<ffffffff8024e4bb>] lock_acquire+0x8b/0xc0
[209.286095] [<ffffffff804ac595>] _spin_lock+0x25/0x40
[209.286227] [<ffffffff80227e4b>] double_rq_lock+0x2b/0x50
[209.286327] [<ffffffff8022cffa>] rebalance_tick+0x19a/0x340
[209.286430] [<ffffffff8022d21f>] scheduler_tick+0x7f/0x390
[209.286534] [<ffffffff8023b013>] update_process_times+0x73/0x90
[209.286648] [<ffffffff8021639b>] smp_local_timer_interrupt+0x2b/0x60
[209.286733] [<ffffffff80216b58>] smp_apic_timer_interrupt+0x58/0x70
[209.286819] [<ffffffff8020a76f>] apic_timer_interrupt+0x6b/0x70
[209.286894] [<ffffffff804aca80>] _spin_unlock_irq+0x30/0x40
[209.287024] [<ffffffff80249d69>] hrtimer_run_queues+0x159/0x180
[209.287149] [<ffffffff8023b34a>] run_timer_softirq+0x2a/0x200
[209.287265] [<ffffffff80237320>] __do_softirq+0x80/0x110
[209.287373] [<ffffffff8020adf8>] call_softirq+0x1c/0x28
[209.287442] [<ffffffff8020c57d>] do_softirq+0x3d/0xc0
[209.287512] [<ffffffff80236ff7>] irq_exit+0x57/0x60
[209.287619] [<ffffffff80216b5d>] smp_apic_timer_interrupt+0x5d/0x70
[209.287704] [<ffffffff8020a76f>] apic_timer_interrupt+0x6b/0x70
[209.287772] [<ffffffff802086b2>] default_idle+0x42/0x80
[209.287836] [<ffffffff8020875a>] cpu_idle+0x6a/0x90
[209.287903] [<ffffffff80a4c9ac>] start_secondary+0x4fc/0x510
[209.288027] powernow–k8: MP systems not supported by PSB BIOS structure
[209.288134] powernow–k8: MP systems not supported by PSB BIOS structure
[209.288614] Freeing unused kernel memory: 256k freed

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[209.310446] SCSI subsystem initialized

[209.314846] megaraid cmm: 2.20.2.7 (Release Date: Sun Jul 16
00:01:03 EST 2006)

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