

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

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-09/msg09140.html>

- *From:* Linus Torvalds <torvalds@xxxxxxxx>
 - *Date:* Sat, 30 Sep 2006 12:54:21 -0700 (PDT)
-

On Sat, 30 Sep 2006, Eric Rannaud wrote:

(2) is introduced by d94a041519f3ab1ac023bf917619cd8c4a7d3c01
[PATCH] taskstats: free skb, avoid returns in send_cpu_listeners,
Signed-off-by: Shailabh Nagar.
The kernel freezes after a BUG (no sysrq magic).

This one looks like the real problem is that totally broken stack unwinder again.

The lockdep warning in itself is probably valid, but the reason for the `_hang_` is the

```
[ 138.831385] Unable to handle kernel paging request at ffffffff82800000 RIP:  
[ 138.831439] [<ffffffff8020b491>] show_trace+0x311/0x380
```

and that code is just a total mess.

Andi, I really think that Dwarf unwinder needs to go. The code is totally unreadable, and it's clearly fragile as hell. It doesn't check that the pointers it gets are even remotely valid, but just follows them as if they were.

The whole unwinder seems buggier than any bug it can ever unwind would be. Really. Let's go back to the sane "try our best, don't guarantee anything, but at least don't make things worse!" old code.

The people who wrote that crap (and yes, Andi, I mean apparently you and Jan Beulich) really `_have_` to get his act together. It's not just unreadable and obviously buggy, it's so scary that it's hard to even talk about it. Lookie here:

```
#define HANDLE_STACK(cond) \  
do while (cond) { \  
    ...
```

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```
unsigned long addr = *stack++; \
```

What the F*CK! "do while(cond) {" ????

Please. Somebody just rip out all this crap. I beg of you.

We need Al Viro here to put this kind of code into perspective. I think he would have some choice words for code that is meant to "help" debugging, and is this horrible.

Linus

```
----- netconsole for (2) with numa=noacpi
[ 138.430672] BUG: warning at kernel/lockdep.c:565/print_infinite_recursion_bug()
[ 138.430710] powernow-k8: MP systems not supported by PSB BIOS structure
[ 138.430752] powernow-k8: MP systems not supported by PSB BIOS structure
[ 138.430782] powernow-k8: MP systems not supported by PSB BIOS structure
[ 138.430814] powernow-k8: MP systems not supported by PSB BIOS structure
[ 138.430972]
[ 138.430973] Call Trace:
[ 138.431190] [<ffffffff8020b22d>] show_trace+0xad/0x380
[ 138.431264] [<ffffffff8020b745>] dump_stack+0x15/0x20
[ 138.431337] [<ffffffff8024bc1d>] print_infinite_recursion_bug+0x3d/0x50
[ 138.431465] [<ffffffff8024bd2f>] find_usage_backwards+0x2f/0xd0
[ 138.431591] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.431718] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.431844] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.431970] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.432097] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.432223] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.432349] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.432475] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.432602] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.432728] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.432855] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.432982] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.433111] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.433237] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.433362] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.433488] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.433613] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.433739] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.433865] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.433992] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.434120] [<ffffffff8024c740>] check_usage+0x40/0x2b0
[ 138.434246] [<ffffffff8024e010>] __lock_acquire+0xa50/0xd20
[ 138.434371] [<ffffffff8024e66b>] lock_acquire+0x8b/0xc0
[ 138.434501] [<ffffffff804ac065>] _spin_lock+0x25/0x40
```

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[138.434631] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[138.434730] [<ffffffff8022ceca>] rebalance_tick+0x19a/0x340
[138.434831] [<ffffffff8022d0ef>] scheduler_tick+0x7f/0x390
[138.434933] [<ffffffff8023afe3>] update_process_times+0x73/0x90
[138.435046] [<ffffffff8021636b>] smp_local_timer_interrupt+0x2b/0x60
[138.435133] [<ffffffff80216b28>] smp_apic_timer_interrupt+0x58/0x70
[138.435217] [<ffffffff8020a76e>] apic_timer_interrupt+0x6a/0x70
[138.435284] [<ffffffff802086b2>] default_idle+0x42/0x80
[138.435348] [<ffffffff8020875a>] cpu_idle+0x6a/0x90
[138.435414] [<ffffffff8094d94c>] start_secondary+0x4fc/0x510
[138.435494] <IRQ> [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.435597] [<ffffffff8024bc1d>] print_infinite_recursion_bug+0x3d/0x50
[138.435659] [<ffffffff8024bd2f>] find_usage_backwards+0x2f/0xd0
[138.435721] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.435782] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.435844] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.435906] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.435967] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436029] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436093] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436155] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436216] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436277] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436339] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436400] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436462] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436523] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436585] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436647] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436708] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436770] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436831] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436893] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.436954] [<ffffffff8024c740>] check_usage+0x40/0x2b0
[138.437016] [<ffffffff8024e010>] __lock_acquire+0xa50/0xd20
[138.437080] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[138.437141] [<ffffffff8024e66b>] lock_acquire+0x8b/0xc0
[138.437202] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[138.437264] [<ffffffff804ac065>] _spin_lock+0x25/0x40
[138.437325] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[138.437385] [<ffffffff8022ceca>] rebalance_tick+0x19a/0x340
[138.437446] [<ffffffff804ac54b>] _spin_unlock_irq+0x2b/0x40
[138.437508] [<ffffffff8022d0ef>] scheduler_tick+0x7f/0x390
[138.437569] [<ffffffff8023afe3>] update_process_times+0x73/0x90
[138.437631] [<ffffffff8021636b>] smp_local_timer_interrupt+0x2b/0x60
[138.437694] [<ffffffff80216b28>] smp_apic_timer_interrupt+0x58/0x70
[138.437756] [<ffffffff802086b0>] default_idle+0x40/0x80
[138.437815] [<ffffffff80208670>] default_idle+0x0/0x80
[138.437875] [<ffffffff8020a76e>] apic_timer_interrupt+0x6a/0x70
[138.437936] <EOI> [<ffffffff8045c7ff>] ipq_kill+0x5f/0xa0
[138.751237] [<ffffffff8021ed29>] flush_kernel_map+0x39/0x40

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```
[ 138.751306] [<ffffffff8021ecc0>] search_extable+0x40/0x70
[ 138.763697] [<ffffffff8020efeb>] show_cpuinfo+0x18b/0x360
[ 138.763765] [<ffffffff8020efef>] show_cpuinfo+0x18f/0x360
[ 138.763828] [<ffffffff8020f0e6>] show_cpuinfo+0x286/0x360
[ 138.763889] [<ffffffff8020f0ed>] show_cpuinfo+0x28d/0x360
[ 138.764152] [<ffffffff8021de9f>] show_mem+0xbf/0x170
[ 138.764211] [<ffffffff8021dea1>] show_mem+0xc1/0x170
[ 138.764275] [<ffffffff8021dec0>] show_mem+0xe0/0x170
[ 138.764334] [<ffffffff8021dec2>] show_mem+0xe2/0x170
[ 138.764394] [<ffffffff8021ded7>] show_mem+0xf7/0x170
[ 138.764453] [<ffffffff8021ded9>] show_mem+0xf9/0x170
[ 138.764514] [<ffffffff8021dfc0>] __add_pages+0x40/0xd0
[ 138.764576] [<ffffffff8021e089>] vmalloc_sync_all+0x39/0x170
[ 138.799966] [<ffffffff8049ee60>] xfrm_state_netlink+0x0/0xa0
[ 138.800034] [<ffffffff8049ee69>] xfrm_state_netlink+0x9/0xa0
[ 138.800100] [<ffffffff8049ee86>] xfrm_state_netlink+0x26/0xa0
[ 138.800161] [<ffffffff8049ee8f>] xfrm_state_netlink+0x2f/0xa0
[ 138.800230] [<ffffffff8049f182>] xfrm_send_state_notify+0x282/0x6c0
[ 138.800292] [<ffffffff8049f195>] xfrm_send_state_notify+0x295/0x6c0
[ 138.800370] [<ffffffff8022ad33>] find_busiest_group+0x5d3/0x6f0
[ 138.800431] [<ffffffff8022ad3c>] find_busiest_group+0x5dc/0x6f0
[ 138.800499] [<ffffffff8049f23c>] xfrm_send_state_notify+0x33c/0x6c0
[ 138.800562] [<ffffffff8049f243>] xfrm_send_state_notify+0x343/0x6c0
[ 138.800628] [<ffffffff8022ae75>] migration_thread+0x25/0x2e0
[ 138.800689] [<ffffffff8022ae7e>] migration_thread+0x2e/0x2e0
[ 138.800752] [<ffffffff8022aea0>] migration_thread+0x50/0x2e0
[ 138.800813] [<ffffffff8022aea9>] migration_thread+0x59/0x2e0
[ 138.831385] Unable to handle kernel paging request at ffffffff82800000 RIP:
[ 138.831439] [<ffffffff8020b491>] show_trace+0x311/0x380
[ 138.831598] PGD 203027 PUD 205027 PMD 0
[ 138.831762] Oops: 0000 [1] SMP
[ 138.831889] CPU 15
[ 138.831978] Modules linked in:
[ 138.832073] Pid: 0, comm: swapper Not tainted 2.6.18–rc3rannaud–gd94a0415 #36
[ 138.832137] RIP: 0010:[<ffffffff8020b491>] [<ffffffff8020b491>]
show_trace+0x311/0x380
[ 138.832252] RSP: 0018:ffff8102238e7810 EFLAGS: 00010002
[ 138.832312] RAX: 0000000000000000 RBX: 0000000000000000 RCX:
0000000000000001
[ 138.832375] RDX: 0000000000000000 RSI: 0000000000000001 RDI: ffffffff805b9940
[ 138.832439] RBP: ffff8102238e7900 R08: 0000000000000002 R09: ffffffff80256580
[ 138.832501] R10: ffffffff827ffffe R11: 0000000000000000 R12: ffffffff827ffffe
[ 138.832564] R13: 0000000000000000 R14: 000000000000000f R15: ffffffff8097f000
[ 138.832627] FS: 00000000005a6860(0000) GS:ffff810223894ac0(0000)
knlGS:0000000000000000
[ 138.832705] CS: 0010 DS: 0018 ES: 0018 CR0: 000000008005003b
[ 138.832766] CR2: ffffffff82800000 CR3: 00000002217c0000 CR4: 00000000000006e0
[ 138.832830] Process swapper (pid: 0, threadinfo ffff8102238e2000, task ffff81022389b100)
[ 138.832909] Stack: 00000000080838210 ffffffff808a1ca8 0000000000000000
0000000000000000
[ 138.833169] 0000000000000000 0000000000000000 0000000000000000
```

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```
000000000000d07
[ 138.833387] 0000000000000001 0000000000000000 0000000000000001
0000000000000001
[ 138.833556] Call Trace:
[ 138.833676] [<ffffffff8020b745>] dump_stack+0x15/0x20
[ 138.833748] [<ffffffff8024bc1d>] print_infinite_recursion_bug+0x3d/0x50
[ 138.833894] [<ffffffff8024bd2f>] find_usage_backwards+0x2f/0xd0
[ 138.834020] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.834146] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.834273] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.834399] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.834527] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.834652] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.834777] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.834902] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.835029] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.835154] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.835279] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.835404] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.835533] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.835658] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.835784] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.835909] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.836034] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.836159] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.836285] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.836411] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.836539] [<ffffffff8024c740>] check_usage+0x40/0x2b0
[ 138.836664] [<ffffffff8024e010>] __lock_acquire+0xa50/0xd20
[ 138.836790] [<ffffffff8024e66b>] lock_acquire+0x8b/0xc0
[ 138.836919] [<ffffffff804ac065>] _spin_lock+0x25/0x40
[ 138.837049] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[ 138.837148] [<ffffffff8022ceca>] rebalance_tick+0x19a/0x340
[ 138.837249] [<ffffffff8022d0ef>] scheduler_tick+0x7f/0x390
[ 138.837351] [<ffffffff8023afe3>] update_process_times+0x73/0x90
[ 138.837464] [<ffffffff8021636b>] smp_local_timer_interrupt+0x2b/0x60
[ 138.837549] [<ffffffff80216b28>] smp_apic_timer_interrupt+0x58/0x70
[ 138.837633] [<ffffffff8020a76e>] apic_timer_interrupt+0x6a/0x70
[ 138.837702] [<ffffffff802086b2>] default_idle+0x42/0x80
[ 138.837766] [<ffffffff8020875a>] cpu_idle+0x6a/0x90
[ 138.837832] [<ffffffff8094d94c>] start_secondary+0x4fc/0x510
[ 138.837912] <IRQ> [<ffffffff8020b745>] dump_stack+0x15/0x20
[ 138.838015] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.838077] [<ffffffff8024bc1d>] print_infinite_recursion_bug+0x3d/0x50
[ 138.838140] [<ffffffff8024bd2f>] find_usage_backwards+0x2f/0xd0
[ 138.838203] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.839444] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.839506] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.839569] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.839631] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 138.839694] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
```

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[138.839756] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.839819] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.839881] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.839943] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840006] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840068] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840130] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840193] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840255] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840316] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840378] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840439] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840502] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840564] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[138.840625] [<ffffffff8024c740>] check_usage+0x40/0x2b0
[138.840687] [<ffffffff8024e010>] __lock_acquire+0xa50/0xd20
[138.840749] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[138.840811] [<ffffffff8024e66b>] lock_acquire+0x8b/0xc0
[138.840871] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[138.840933] [<ffffffff804ac065>] _spin_lock+0x25/0x40
[138.840993] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[138.841054] [<ffffffff8022ceca>] rebalance_tick+0x19a/0x340
[138.841116] [<ffffffff804ac54b>] _spin_unlock_irq+0x2b/0x40
[138.841179] [<ffffffff8022d0ef>] scheduler_tick+0x7f/0x390
[138.841239] [<ffffffff8023afe3>] update_process_times+0x73/0x90
[138.841301] [<ffffffff8021636b>] smp_local_timer_interrupt+0x2b/0x60
[138.841363] [<ffffffff80216b28>] smp_apic_timer_interrupt+0x58/0x70
[138.841425] [<ffffffff802086b0>] default_idle+0x40/0x80
[138.841485] [<ffffffff80208670>] default_idle+0x0/0x80
[138.841544] [<ffffffff8020a76e>] apic_timer_interrupt+0x6a/0x70
[138.841605] <EOI> [<ffffffff8045c7ff>] ipq_kill+0x5f/0xa0
[139.154267] [<ffffffff8021ed29>] flush_kernel_map+0x39/0x40
[139.154336] [<ffffffff8021ecc0>] search_extable+0x40/0x70
[139.166705] [<ffffffff8020efeb>] show_cpuinfo+0x18b/0x360
[139.166774] [<ffffffff8020efef>] show_cpuinfo+0x18f/0x360
[139.166837] [<ffffffff8020f0e6>] show_cpuinfo+0x286/0x360
[139.166898] [<ffffffff8020f0ed>] show_cpuinfo+0x28d/0x360
[139.167161] [<ffffffff8021de9f>] show_mem+0xbf/0x170
[139.167225] [<ffffffff8021dea1>] show_mem+0xc1/0x170
[139.167285] [<ffffffff8021dec0>] show_mem+0xe0/0x170
[139.167345] [<ffffffff8021dec2>] show_mem+0xe2/0x170
[139.167407] [<ffffffff8021ded7>] show_mem+0xf7/0x170
[139.167467] [<ffffffff8021ded9>] show_mem+0xf9/0x170
[139.167528] [<ffffffff8021dfc0>] __add_pages+0x40/0xd0
[139.167588] [<ffffffff8021e089>] vmalloc_sync_all+0x39/0x170
[139.202919] [<ffffffff8049ee60>] xfrm_state_netlink+0x0/0xa0
[139.202993] [<ffffffff8049ee69>] xfrm_state_netlink+0x9/0xa0
[139.203055] [<ffffffff8049ee86>] xfrm_state_netlink+0x26/0xa0
[139.203116] [<ffffffff8049ee8f>] xfrm_state_netlink+0x2f/0xa0
[139.203187] [<ffffffff8049f182>] xfrm_send_state_notify+0x282/0x6c0
[139.203250] [<ffffffff8049f195>] xfrm_send_state_notify+0x295/0x6c0

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```
[ 139.203329] [<ffffff8022ad33>] find_busiest_group+0x5d3/0x6f0
[ 139.203389] [<ffffff8022ad3c>] find_busiest_group+0x5dc/0x6f0
[ 139.203457] [<ffffff8049f23c>] xfrm_send_state_notify+0x33c/0x6c0
[ 139.203519] [<ffffff8049f243>] xfrm_send_state_notify+0x343/0x6c0
[ 139.203582] [<ffffff8022ae75>] migration_thread+0x25/0x2e0
[ 139.203644] [<ffffff8022ae7e>] migration_thread+0x2e/0x2e0
[ 139.203707] [<ffffff8022aea0>] migration_thread+0x50/0x2e0
[ 139.203767] [<ffffff8022aea9>] migration_thread+0x59/0x2e0
[ 139.234201] Unable to handle kernel paging request at fffffff82800000 RIP:
[ 139.234255] [<ffffff8020b491>] show_trace+0x311/0x380
[ 139.234412] PGD 203027 PUD 205027 PMD 0
[ 139.234574] Oops: 0000 [2] SMP
[ 139.234699] CPU 15
[ 139.234789] Modules linked in:
[ 139.234880] Pid: 0, comm: swapper Not tainted 2.6.18–rc3rannaud–gd94a0415 #36
[ 139.234942] RIP: 0010:[<ffffff8020b491>] [<ffffff8020b491>]
show_trace+0x311/0x380
[ 139.235057] RSP: 0018:ffff8102238e7488 EFLAGS: 00010002
[ 139.235117] RAX: 0000000000000000 RBX: 0000000000000000 RCX:
0000000000000001
[ 139.235180] RDX: 0000000000000000 RSI: 0000000000000001 RDI: fffffff805b9940
[ 139.235243] RBP: ffff8102238e7578 R08: 0000000000000002 R09: fffffff80256580
[ 139.235306] R10: ffffffff827ffffe R11: 0000000000000000 R12: fffffff827ffffe
[ 139.235368] R13: 0000000000000000 R14: 000000000000000f R15: fffffff8097f000
[ 139.235431] FS: 00000000005a6860(0000) GS:ffff810223894ac0(0000)
knlGS:0000000000000000
[ 139.235509] CS: 0010 DS: 0018 ES: 0018 CR0: 000000008005003b
[ 139.235569] CR2: fffffff828000000 CR3: 00000002217c0000 CR4: 00000000000006e0
[ 139.235634] Process swapper (pid: 0, threadinfo ffff8102238e2000, task ffff81022389b100)
[ 139.235711] Stack: 00000000238e3fc0 0000000000000000 0000000000000000
0000000000000000
[ 139.235970] 0000000000000000 0000000000000000 0000000000000000
00000000000000d07
[ 139.236187] 0000000000000001 0000000000000000 0000000000000001
0000000000000001
[ 139.236358] Call Trace:
[ 139.236476] [<ffffff8020b5fe>] _show_stack+0xfe/0x110
[ 139.236545] [<ffffff8020b69e>] show_registers+0x8e/0x110
[ 139.236616] [<ffffff804ad11a>] __die+0x9a/0xe0
[ 139.236684] [<ffffff804aee07>] do_page_fault+0x837/0x960
[ 139.236785] [<ffffff8020a8d1>] error_exit+0x0/0x96
[ 139.236852] [<ffffff8020b491>] show_trace+0x311/0x380
[ 139.236923] [<ffffff8020b745>] dump_stack+0x15/0x20
[ 139.236995] [<ffffff8024bc1d>] print_infinite_recursion_bug+0x3d/0x50
[ 139.237133] [<ffffff8024bd2f>] find_usage_backwards+0x2f/0xd0
[ 139.237259] [<ffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.237384] [<ffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.237510] [<ffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.237637] [<ffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.237763] [<ffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.237889] [<ffffff8024bd93>] find_usage_backwards+0x93/0xd0
```

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

[139.238015] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.238140] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.238266] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.238391] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.238517] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.238642] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.238768] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.238896] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.239022] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.239147] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.239273] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.239399] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.239527] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.239653] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.239780] [<ffffffff8024c740>] check_usage+0x40/0x2b0
[139.239907] [<ffffffff8024e010>] __lock_acquire+0xa50/0xd20
[139.240034] [<ffffffff8024e66b>] lock_acquire+0x8b/0xc0
[139.240161] [<ffffffff804ac065>] _spin_lock+0x25/0x40
[139.240293] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[139.240392] [<ffffffff8022ceca>] rebalance_tick+0x19a/0x340
[139.240493] [<ffffffff8022d0ef>] scheduler_tick+0x7f/0x390
[139.240595] [<ffffffff8023afe3>] update_process_times+0x73/0x90
[139.240707] [<ffffffff8021636b>] smp_local_timer_interrupt+0x2b/0x60
[139.240795] [<ffffffff80216b28>] smp_apic_timer_interrupt+0x58/0x70
[139.240880] [<ffffffff8020a76e>] apic_timer_interrupt+0x6a/0x70
[139.240947] [<ffffffff802086b2>] default_idle+0x42/0x80
[139.241011] [<ffffffff8020875a>] cpu_idle+0x6a/0x90
[139.241079] [<ffffffff8094d94c>] start_secondary+0x4fc/0x510
[139.241160] <IRQ> [<ffffffff8020b5fe>] _show_stack+0xfe/0x110
[139.241260] [<ffffffff8020b69e>] show_registers+0x8e/0x110
[139.241321] [<ffffffff804ad11a>] __die+0x9a/0xe0
[139.241381] [<ffffffff804aee07>] do_page_fault+0x837/0x960
[139.241442] [<ffffffff80231f97>] printk+0x67/0x70
[139.241501] [<ffffffff8022aea9>] migration_thread+0x59/0x2e0
[139.241564] [<ffffffff80256af0>] kallsyms_lookup+0xd0/0x1f0
[139.241626] [<ffffffff8020a8d1>] error_exit+0x0/0x96
[139.241687] [<ffffffff80256580>] module_text_address+0x20/0x50
[139.241748] [<ffffffff8020b491>] show_trace+0x311/0x380
[139.241812] [<ffffffff8020b745>] dump_stack+0x15/0x20
[139.241873] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.241934] [<ffffffff8024bc1d>] print_infinite_recursion_bug+0x3d/0x50
[139.241999] [<ffffffff8024bd2f>] find_usage_backwards+0x2f/0xd0
[139.242061] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242123] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242185] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242247] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242310] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242373] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242434] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242497] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242558] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0

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

[139.242620] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242681] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242742] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242805] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242867] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242930] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.242992] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.243054] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.243116] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.243178] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.243241] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[139.243304] [<ffffffff8024c740>] check_usage+0x40/0x2b0
[139.243365] [<ffffffff8024e010>] __lock_acquire+0xa50/0xd20
[139.243427] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[139.243488] [<ffffffff8024e66b>] lock_acquire+0x8b/0xc0
[139.243549] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[139.243610] [<ffffffff804ac065>] _spin_lock+0x25/0x40
[139.243670] [<ffffffff80227d30>] double_rq_lock+0x40/0x50
[139.243730] [<ffffffff8022ceca>] rebalance_tick+0x19a/0x340
[139.243792] [<ffffffff804ac54b>] _spin_unlock_irq+0x2b/0x40
[139.243855] [<ffffffff8022d0ef>] scheduler_tick+0x7f/0x390
[139.243916] [<ffffffff8023afe3>] update_process_times+0x73/0x90
[139.245151] [<ffffffff8021636b>] smp_local_timer_interrupt+0x2b/0x60
[139.245214] [<ffffffff80216b28>] smp_apic_timer_interrupt+0x58/0x70
[139.245277] [<ffffffff802086b0>] default_idle+0x40/0x80
[139.245336] [<ffffffff80208670>] default_idle+0x0/0x80
[139.245397] [<ffffffff8020a76e>] apic_timer_interrupt+0x6a/0x70
[139.245458] <EOI> [<ffffffff8045c7ff>] ipq_kill+0x5f/0xa0
[139.559005] [<ffffffff8021ed29>] flush_kernel_map+0x39/0x40
[139.559075] [<ffffffff8021ecc0>] search_extable+0x40/0x70
[139.571503] [<ffffffff8020efeb>] show_cpuinfo+0x18b/0x360
[139.571572] [<ffffffff8020efef>] show_cpuinfo+0x18f/0x360
[139.571635] [<ffffffff8020f0e6>] show_cpuinfo+0x286/0x360
[139.571696] [<ffffffff8020f0ed>] show_cpuinfo+0x28d/0x360
[139.571965] [<ffffffff8021de9f>] show_mem+0xbf/0x170
[139.572024] [<ffffffff8021dea1>] show_mem+0xc1/0x170
[139.572084] [<ffffffff8021dec0>] show_mem+0xe0/0x170
[139.572144] [<ffffffff8021dec2>] show_mem+0xe2/0x170
[139.572204] [<ffffffff8021ded7>] show_mem+0xf7/0x170
[139.572263] [<ffffffff8021ded9>] show_mem+0xf9/0x170
[139.572325] [<ffffffff8021dfc0>] __add_pages+0x40/0xd0
[139.572386] [<ffffffff8021e089>] vmalloc_sync_all+0x39/0x170
[139.607781] [<ffffffff8049ee60>] xfrm_state_netlink+0x0/0xa0
[139.607850] [<ffffffff8049ee69>] xfrm_state_netlink+0x9/0xa0
[139.607912] [<ffffffff8049ee86>] xfrm_state_netlink+0x26/0xa0
[139.607973] [<ffffffff8049ee8f>] xfrm_state_netlink+0x2f/0xa0
[139.608044] [<ffffffff8049f182>] xfrm_send_state_notify+0x282/0x6c0
[139.608105] [<ffffffff8049f195>] xfrm_send_state_notify+0x295/0x6c0
[139.608185] [<ffffffff8022ad33>] find_busiest_group+0x5d3/0x6f0
[139.608250] [<ffffffff8022ad3c>] find_busiest_group+0x5dc/0x6f0
[139.608320] [<ffffffff8049f23c>] xfrm_send_state_notify+0x33c/0x6c0

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```
[ 139.608382] [<ffffffff8049f243>] xfrm_send_state_notify+0x343/0x6c0
[ 139.608446] [<ffffffff8022ae75>] migration_thread+0x25/0x2e0
[ 139.608506] [<ffffffff8022ae7e>] migration_thread+0x2e/0x2e0
[ 139.608569] [<ffffffff8022aea0>] migration_thread+0x50/0x2e0
[ 139.608630] [<ffffffff8022aea9>] migration_thread+0x59/0x2e0
[ 139.639155] Unable to handle kernel paging request at ffffffff82800000 RIP:
[ 139.639209] [<ffffffff8020b491>] show_trace+0x311/0x380
[ 139.639366] PGD 203027 PUD 205027 PMD 0
[ 139.639531] Oops: 0000 [3] SMP
[ 139.639657] CPU 15
[ 139.639745] Modules linked in:
[ 139.639836] Pid: 0, comm: swapper Not tainted 2.6.18–rc3rannaud–gd94a0415 #36
[ 139.639899] RIP: 0010:[<ffffffff8020b491>] [<ffffffff8020b491>]
show_trace+0x311/0x380
[ 139.572325] [<ffffffff8021dfc0>] __add_pages+0x40/0xd0
[ 139.572386] [<ffffffff8021e089>] vmalloc_sync_all+0x39/0x170
[ 139.607781] [<ffffffff8049ee60>] xfrm_state_netlink+0x0/0xa0
[ 139.607850] [<ffffffff8049ee69>] xfrm_state_netlink+0x9/0xa0
[ 139.607912] [<ffffffff8049ee86>] xfrm_state_netlink+0x26/0xa0
[ 139.607973] [<ffffffff8049ee8f>] xfrm_state_netlink+0x2f/0xa0
[ 139.608044] [<ffffffff8049f182>] xfrm_send_state_notify+0x282/0x6c0
[ 139.608105] [<ffffffff8049f195>] xfrm_send_state_notify+0x295/0x6c0
[ 139.608185] [<ffffffff8022ad33>] find_busiest_group+0x5d3/0x6f0
[ 139.608250] [<ffffffff8022ad3c>] find_busiest_group+0x5dc/0x6f0
[ 139.608320] [<ffffffff8049f23c>] xfrm_send_state_notify+0x33c/0x6c0
[ 139.608382] [<ffffffff8049f243>] xfrm_send_state_notify+0x343/0x6c0
[ 139.608446] [<ffffffff8022ae75>] migration_thread+0x25/0x2e0
[ 139.608506] [<ffffffff8022ae7e>] migration_thread+0x2e/0x2e0
[ 139.608569] [<ffffffff8022aea0>] migration_thread+0x50/0x2e0
[ 139.608630] [<ffffffff8022aea9>] migration_thread+0x59/0x2e0
[ 139.639155] Unable to handle kernel paging request at ffffffff82800000 RIP:
[ 139.639209] [<ffffffff8020b491>] show_trace+0x311/0x380
[ 139.639366] PGD 203027 PUD 205027 PMD 0
[ 139.639531] Oops: 0000 [3] SMP
[ 139.639657] CPU 15
[ 139.639745] Modules linked in:
[ 139.639836] Pid: 0, comm: swapper Not tainted 2.6.18–rc3rannaud–gd94a0415
#36
[ 139.639899] RIP: 0010:[<ffffffff8020b491>] [<ffffffff8020b491>]
show_trace+0x311/0x380
[ 139.640016] RSP: 0018:ffff8102238e70f8 EFLAGS: 00010002
[ 139.640075] RAX: 0000000000000000 RBX: 0000000000000000 RCX:
0000000000000001
[ 139.640138] RDX: 0000000000000000 RSI: 0000000000000001 RDI:
ffffffff805b9940
[ 139.640202] RBP: ffff8102238e71e8 R08: 0000000000000002 R09:
ffffffff80256580
[ 139.640265] R10: ffffffff827ffffe R11: 0000000000000000 R12:
ffffffff827ffffe
[ 139.640329] R13: 0000000000000000 R14: 000000000000000f R15:
ffffffff8097f000
```

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

```
[ 139.640392] FS: 00000000005a6860(0000) GS:ffff810223894ac0(0000)
knlGS:0000000000000000
[ 139.640470] CS: 0010 DS: 0018 ES: 0018 CR0: 000000008005003b
[ 139.640532] CR2: ffffffff82800000 CR3: 00000002217c0000 CR4:
000000000000006e0
[ 139.640596] Process swapper (pid: 0, threadinfo ffff8102238e2000,
task ffff81022389b100)
[ 139.640674] Stack: 00000000238e3fc0 0000000000000000
0000000000000000 0000000000000000
[ 139.640933] 0000000000000000 0000000000000000 0000000000000000
00000000000000d07
[ 139.641151] 0000000000000001 0000000000000000 0000000000000001
0000000000000001
[ 139.641321] Call Trace:
[ 139.641438] [<ffffffff8020b5fe>] _show_stack+0xfe/0x110
[ 139.641508] [<ffffffff8020b69e>] show_registers+0x8e/0x110
[ 139.641579] [<ffffffff804ad11a>] __die+0x9a/0xe0
[ 139.641648] [<ffffffff804aee07>] do_page_fault+0x837/0x960
[ 139.641750] [<ffffffff8020a8d1>] error_exit+0x0/0x96
[ 139.641817] [<ffffffff8020b491>] show_trace+0x311/0x380
[ 139.641886] [<ffffffff8020b5fe>] _show_stack+0xfe/0x110
[ 139.641955] [<ffffffff8020b69e>] show_registers+0x8e/0x110
[ 139.642025] [<ffffffff804ad11a>] __die+0x9a/0xe0
[ 139.642093] [<ffffffff804aee07>] do_page_fault+0x837/0x960
[ 139.642186] [<ffffffff8020a8d1>] error_exit+0x0/0x96
[ 139.642252] [<ffffffff8020b491>] show_trace+0x311/0x380
[ 139.642322] [<ffffffff8020b745>] dump_stack+0x15/0x20
[ 139.642395] [<ffffffff8024bc1d>] print_infinite_recursion_bug+0x3d/0x50
[ 139.642534] [<ffffffff8024bd2f>] find_usage_backwards+0x2f/0xd0
[ 139.642662] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.642789] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.642917] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.643044] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.643172] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.643300] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.643429] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.643557] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.643685] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.643812] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.643940] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.644067] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.644194] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.644321] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.644450] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.644577] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.644705] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
[ 139.644832] [<ffffffff8024bd93>] find_usage_backwards+0x93/0xd0
----- (a bit more on console)
```

----- netconsole for v2.6.18 with numa=noacpi

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

```
[ 320.125317] BUG: warning at
kernel/lockdep.c:565/print_infinite_recursion_bug()
[ 320.125380]
[ 320.125381] Call Trace:
[ 320.125550] [<ffffffff8100b22d>] show_trace+0xad/0x3b0
[ 320.125604] [<ffffffff8100b775>] dump_stack+0x15/0x20
[ 320.125659] [<ffffffff8104c23d>] print_infinite_recursion_bug+0x3d/0x50
[ 320.125771] [<ffffffff8104c41f>] check_noncircular+0x2f/0xe0
[ 320.125880] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.125993] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.126103] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.126213] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.126336] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.126459] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.126582] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.126705] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.126828] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.126953] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.127078] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.127201] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.127325] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.127448] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.127571] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.127694] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.127816] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.127940] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.128063] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.128186] [<ffffffff8104c473>] check_noncircular+0x83/0xe0
[ 320.128309] [<ffffffff8104e5da>] __lock_acquire+0x9fa/0xd20
[ 320.128432] [<ffffffff8104ec8b>] lock_acquire+0x8b/0xc0
[ 320.128559] [<ffffffff812cadf7>] __mutex_lock_slowpath+0xd7/0x250
[ 320.128681] [<ffffffff812caf95>] mutex_lock+0x25/0x30
[ 320.128799] [<ffffffff81115613>] elevator_exit+0x23/0x60
[ 320.129066] [<ffffffff811180f5>] blk_cleanup_queue+0x45/0x60
[ 320.129319] [<ffffffff811e5fd9>] scsi_free_queue+0x9/0x10
[ 320.129717] [<ffffffff811eae86>]
scsi_device_dev_release_usercontext+0x106/0x160
[ 320.130119] [<ffffffff81043e3b>] execute_in_process_context+0x2b/0x70
[ 320.130237] [<ffffffff811e9dfa>] scsi_device_dev_release+0x1a/0x20
[ 320.130617] [<ffffffff8119e84c>] device_release+0x1c/0x70
[ 320.130959] [<ffffffff811270e3>] kobject_cleanup+0x63/0xa0
[ 320.131220] [<ffffffff8112712d>] kobject_release+0xd/0x10
[ 320.131481] [<ffffffff811276ef>] kref_put+0x6f/0x90
[ 320.131741] [<ffffffff81126979>] kobject_put+0x19/0x20
[ 320.131999] [<ffffffff8119eb45>] put_device+0x15/0x20
[ 320.132339] [<ffffffff811e8f68>] scsi_probe_and_add_lun+0xb58/0xba0
[ 320.132721] [<ffffffff811e9082>] __scsi_scan_target+0xd2/0x690
[ 320.133102] [<ffffffff811e9695>] scsi_scan_channel+0x55/0xa0
[ 320.133482] [<ffffffff811e97bd>] scsi_scan_host_selected+0xdd/0x130
[ 320.133865] [<ffffffff811e9825>] scsi_scan_host+0x15/0x20
[ 320.134247] [<ffffffff811f00f0>] megaraid_probe_one+0x1110/0x11c0
```

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

```
[ 320.134634] [<ffffffff81136e43>] pci_device_probe+0xf3/0x170
[ 320.134908] [<ffffffff811a0fc7>] driver_probe_device+0x67/0xe0
[ 320.135251] [<ffffffff811a1177>] __driver_attach+0x97/0xf0
[ 320.135593] [<ffffffff811a014f>] bus_for_each_dev+0x4f/0x80
[ 320.135936] [<ffffffff811a0e1c>] driver_attach+0x1c/0x20
[ 320.136279] [<ffffffff811a0598>] bus_add_driver+0x88/0x180
[ 320.136621] [<ffffffff811a16c3>] driver_register+0x93/0xa0
[ 320.136965] [<ffffffff811368a3>] __pci_register_driver+0x63/0x90
[ 320.137242] [<ffffffff818a3290>] megaraid_init+0x70/0xa0
[ 320.137621] [<ffffffff810071c4>] init+0x164/0x350
[ 320.137679] [<ffffffff8100aaa0>] child_rip+0xa/0x12
[ 320.137741]
[ 320.137742] -> #20 (&rq->rq_lock_key#16){++..}:
[ 320.137977] [<ffffffff8104ec8a>] lock_acquire+0x8a/0xc0
[ 320.138296] [<ffffffff812cc404>] _spin_lock+0x24/0x40
[ 320.138615] [<ffffffff8102860f>] double_rq_lock+0x3f/0x50
[ 320.138934] [<ffffffff8102d789>] rebalance_tick+0x199/0x340
[ 320.139254] [<ffffffff8102d9ae>] scheduler_tick+0x7e/0x390
[ 320.139572] [<ffffffff8103b7a2>] update_process_times+0x72/0x90
[ 320.139894] [<ffffffff8101639a>] smp_local_timer_interrupt+0x2a/0x60
[ 320.140215] [<ffffffff81016b57>] smp_apic_timer_interrupt+0x57/0x70
[ 320.140535] [<ffffffff8100a76e>] apic_timer_interrupt+0x6a/0x70
[ 320.140854]
[ 320.140855] -> #19 (&rq->rq_lock_key#15){++..}:
[ 320.141088] [<ffffffff8104ec8a>] lock_acquire+0x8a/0xc0
[ 320.141405] [<ffffffff812cc404>] _spin_lock+0x24/0x40
[ 320.141722] [<ffffffff810285fa>] double_rq_lock+0x2a/0x50
[ 320.142040] [<ffffffff8102b93a>] migration_thread+0x22a/0x2e0
[ 320.142359] [<ffffffff81047589>] kthread+0xd9/0x110
[ 320.142676] [<ffffffff8100aa9f>] child_rip+0x9/0x12
[ 320.142992]
[ 320.142993] -> #18 (&rq->rq_lock_key#14){++..}:
[ 320.143226] [<ffffffff8104ec8a>] lock_acquire+0x8a/0xc0
[ 320.143543] [<ffffffff812cc404>] _spin_lock+0x24/0x40
[ 320.143863] [<ffffffff810285fa>] double_rq_lock+0x2a/0x50
[ 320.144182] [<ffffffff8102b93a>] migration_thread+0x22a/0x2e0
[ 320.144501] [<ffffffff81047589>] kthread+0xd9/0x110
[ 320.144818] [<ffffffff8100aa9f>] child_rip+0x9/0x12
[ 320.145135]
[ 320.145135] -> #17 (&rq->rq_lock_key#13){++..}:
[ 320.145369] [<ffffffff8104ec8a>] lock_acquire+0x8a/0xc0
[ 320.145686] [<ffffffff812cc404>] _spin_lock+0x24/0x40
[ 320.146004] [<ffffffff810285fa>] double_rq_lock+0x2a/0x50
[ 320.146323] [<ffffffff8102b93a>] migration_thread+0x22a/0x2e0
[ 320.146642] [<ffffffff81047589>] kthread+0xd9/0x110
[ 320.146959] [<ffffffff8100aa9f>] child_rip+0x9/0x12
[ 320.147275]
[ 320.147276] -> #16 (&rq->rq_lock_key#12){++..}:
[ 320.147508] [<ffffffff8104ec8a>] lock_acquire+0x8a/0xc0
[ 320.147826] [<ffffffff812cc404>] _spin_lock+0x24/0x40
[ 320.148141] [<ffffffff810285fa>] double_rq_lock+0x2a/0x50
```

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

```
[ 320.148460] [<ffffffff8102b93a>] migration_thread+0x22a/0x2e0
[ 320.148778] [<ffffffff81047589>] kthread+0xd9/0x110
[ 320.149096] [<ffffffff8100aa9f>] child_rip+0x9/0x12
[ 320.149411]
[ 320.149412] -> #15 (&rq->rq_lock_key#11){++..}:
[ 320.149645] [<ffffffff8104ec8a>] lock_acquire+0x8a/0xc0
[ 320.149962] [<ffffffff812cc404>] _spin_lock+0x24/0x40
[ 320.150280] [<ffffffff810285fa>] double_rq_lock+0x2a/0x50
[ 320.150598] [<ffffffff8102b93a>] migration_thread+0x22a/0x2e0
[ 320.150917] [<ffffffff81047589>] kthread+0xd9/0x110
[ 320.151235] [<ffffffff8100aa9f>] child_rip+0x9/0x12
[ 320.151551]
[ 320.151552] -> #14 (&rq->rq_lock_key#10){++..}:
[ 320.151785] [<ffffffff8104ec8a>] lock_acquire+0x8a/0xc0
[ 320.152102] [<ffffffff812cc404>] _spin_lock+0x24/0x40
[ 320.152421] [<ffffffff810285fa>] double_rq_lock+0x2a/0x50
[ 320.152741] [<ffffffff8102b93a>] migration_thread+0x22a/0x2e0
[ 320.153060]
```

(there was slightly more info on the local console, but it locked up)

----- /proc/cpuinfo

```
processor : 15
vendor_id : AuthenticAMD
cpu family : 15
model : 33
model name : Dual Core AMD Opteron(tm) Processor 880
stepping : 2
cpu MHz : 2411.123
cache size : 1024 KB
physical id : 7
siblings : 2
core id : 1
cpu cores : 2
fpu : yes
fpu_exception : yes
cpuid level : 1
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge
mca cmov pat pse36 clflush mmx fxsr sse sse2 ht syscall nx mmxext
fxsr_opt lm 3dnowext 3dnow pni lahf_lm cmp_legacy
bogomips : 4822.64
TLB size : 1024 4K pages
clflush size : 64
cache_alignment : 64
address sizes : 40 bits physical, 48 bits virtual
power management: ts fid vid ttp
```

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

----- lspci -vvv
<http://engm.ath.cx/liw64-lspci.txt>

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