

# Regression in 2.6.23-rc2-mm2, mounting cpusets causes a hang

---

*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-08/msg05083.html>

---

- *From:* Dhaval Giani <[dhaval@xxxxxxxxxxxxxxxxxxxxx](mailto:dhaval@xxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sun, 12 Aug 2007 20:51:26 +0530
- 

Hi,

On mounting cpusets using containers, I have been hitting the following bug.

-----[ cut here ]-----

kernel BUG at kernel/cpuset.c:331!

invalid opcode: 0000 [#1] SMP

Modules linked in:

Pid: 4293, comm: mkdir Not tainted (2.6.23-rc2-mm2 #3)

EIP: 0060:[<c0147daa>] EFLAGS: 00010246 CPU: 7

EIP is at guarantee\_online\_mems+0x37/0x3e

EAX: 00000000 EBX: 00000000 ECX: 00000000 EDX: ca64bf48

ESI: c05374a0 EDI: ca940000 EBP: ca54becc ESP: ca54bec8

DS: 007b ES: 007b FS: 00d8 GS: 0033 SS: 0068

Process mkdir (pid: 4293, ti=ca54a000 task=ca64b510 task.ti=ca54a000)

Stack: ca64b510 ca54bedc c0147e0d ca96f740 c05374a0 ca54beec c01488dc c05378e0

cb0a1680 ca54bf10 c01470a6 cb495800 00000000 000041ed caf73734 c98fe488

c01471b5 000001ed ca54bf18 c01471c6 ca54bf30 c0179f56 caf73734 caf73734

Call Trace:

[<c0105b08>] show\_trace\_log\_lvl+0x12/0x22

[<c0105bae>] show\_stack\_log\_lvl+0x87/0x96

[<c0105c97>] show\_registers+0x9a/0x15f

[<c0105e8d>] die+0xec/0x1c3

[<c03eec14>] do\_trap+0x8e/0xa8

[<c01060d4>] do\_invalid\_op+0x6c/0x73

[<c03ee9e2>] error\_code+0x72/0x78

[<c0147e0d>] cpuset\_update\_task\_memory\_state+0x5c/0xb0

[<c01488dc>] cpuset\_create+0x49/0xa0

[<c01470a6>] container\_create+0x9e/0x1ad

[<c01471c6>] container\_mkdir+0x11/0x13

[<c0179f56>] vfs\_mkdir+0x5b/0xbd

[<c017a03e>] sys\_mkdirat+0x86/0xba

[<c017a082>] sys\_mkdir+0x10/0x12

[<c0104cfa>] sysenter\_past\_esp+0x5f/0x99

=====

## Regression in 2.6.23-rc2-mm2, mounting cpusets causes a hang

INFO: lockdep is turned off.

Code: eb 03 8b 49 18 85 c9 74 09 8b 41 14 21 d8 a8 01 74 f0 85 c9 a1 80 7d 59 c0 74 03 23 41 14 89 02 a1 80 7d 59 c0 23 02 a8 01 75 04 <0f> 0b eb fe 5b 5d c3 55 89 e5 56 53 64 8b 1d 00 40 5d c0 8b 93

EIP: [<c0147daa>] guarantee\_online\_mems+0x37/0x3e SS:ESP 0068:ca54bec8

BUG: soft lockup – CPU#7 stuck for 11s! [mkdir:4293]

Pid: 4293, comm: mkdir Tainted: G D (2.6.23-rc2-mm2 #3)

EIP: 0060:[<c023916d>] EFLAGS: 00000246 CPU: 7

EIP is at delay\_tsc+0x8/0x17

EAX: dc5d84ee EBX: 00000001 ECX: dc5d83a2 EDX: 000005e6

ESI: 00000000 EDI: ca64b9e0 EBP: ca54bd34 ESP: ca54bd30

DS: 007b ES: 007b FS: 00d8 GS: 0000 SS: 0068

CR0: 8005003b CR2: 4a419520 CR3: 0b9e5000 CR4: 000006f0

DR0: 00000000 DR1: 00000000 DR2: 00000000 DR3: 00000000

DR6: ffff0ff0 DR7: 00000400

[<c0105b08>] show\_trace\_log\_lvl+0x12/0x22

[<c0105b25>] show\_trace+0xd/0xf

[<c010342e>] show\_regs+0x1c/0x1f

[<c0150fe6>] sof