

Re: dmesg says CPU has Pentium F0 0F bug.../proc/cpuinfo says it hasnt

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Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2006-06/msg04893.html>

- *From:* Dave Jones <davej@xxxxxxxxxx>
 - *Date:* Thu, 29 Jun 2006 22:24:46 -0400
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On Fri, Jun 30, 2006 at 03:15:17AM +0100, 0 wrote:

Hi,

dmesg indicates my CPU has the Pentium F0 0F bug...

```
Initializing CPU#0
CPU 0 irqstacks, hard=c041e000 soft=c041f000
PID hash table entries: 1024 (order: 10, 16384 bytes)
Detected 232.300 MHz processor.
Using tsc for high-res timesource
Console: colour dummy device 80x25
Dentry cache hash table entries: 32768 (order: 5, 131072 bytes)
Inode-cache hash table entries: 16384 (order: 4, 65536 bytes)
Memory: 124684k/131072k available (2212k kernel code, 5888k reserved,
752k data, 200k init, 0k highmem)
Checking if this processor honours the WP bit even in supervisor mode... Ok.
Calibrating delay using timer specific routine.. 465.42 BogoMIPS
(lpj=930843)
Security Framework v1.0.0 initialized
SELinux: Disabled at boot.
Capability LSM initialized
Mount-cache hash table entries: 512
CPU: After generic identify, caps: 008001bf 00000000 00000000 00000000
00000000 00000000 00000000
CPU: After vendor identify, caps: 008001bf 00000000 00000000 00000000
00000000 00000000 00000000
*Intel Pentium with F0 0F bug - workaround enabled.*
CPU: After all inits, caps: 008001bf 00000000 00000000 00000000 00000000
00000000 00000000
CPU: Intel Pentium MMX stepping 03
Checking 'hlt' instruction... OK.
```

But looking at /proc/cpuinfo indicates the opposite:

```
processor : 0
vendor_id : GenuineIntel
```

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cpu family : 5
model : 4
model name : Pentium MMX
stepping : 3
cpu MHz : 232.300
fdiv_bug : no
hlt_bug : no
f00f_bug : no
coma_bug : no
fpu : yes
fpu_exception : yes
cpuid level : 1
wp : yes
flags : fpu vme de pse tsc msr mce cx8 mmx
bogomips : 465.42

Think there may be a bug in cpuinfo, because I'm sure I remember it used to say yes for the f00f_bug.

Any thoughts?

Please file a bugzilla on this. And mention which kernel version you're running. (Be sure to try the newest too).

Dave

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<http://www.codemonkey.org.uk>

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