

Re: [BUG 2.6.20-rc2-mm1] init segfaults when CONFIG_PROFILE_LIKELY=y

Re: [BUG 2.6.20-rc2-mm1] init segfaults when CONFIG_PROFILE_LIKELY=y

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-12/msg08172.html>

- *From:* Daniel Walker <dwalker@xxxxxxxxxx>
 - *Date:* Sun, 31 Dec 2006 11:45:09 -0800
-

On Sun, 2006-12-31 at 23:04 +0800, Fengguang Wu wrote:

Hi,

The following messages keeps popping up when CONFIG_PROFILE_LIKELY=y:

```
init[1]: segfault at ffffffff8118c110 rip ffffffff8118c110 rsp 00007fff9a9d14d8 error 15
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```

Does this seem like an appropriate solution? This just reconstitutes Ingo's patch by removing the unlikely calls that got added recently.

Maybe a comment into vsyscall.c that says to stay away from all macro's and possible debug code that could be added might be helpful ?

Signed-Off-By: Daniel Walker <dwalker@xxxxxxxxxx>

arch/x86_64/kernel/vsyscall.c | 4 ++--
1 files changed, 2 insertions(+), 2 deletions(-)

Index: linux-2.6.19/arch/x86_64/kernel/vsyscall.c

```
----- linux-2.6.19.orig/arch/x86_64/kernel/vsyscall.c
+++ linux-2.6.19/arch/x86_64/kernel/vsyscall.c
@@ -111,7 +111,7 @@ static __always_inline void do_vgettimeo
seq = read_seqbegin(&__vsyscall_gtod_data.lock);
```

```
vread = __vsyscall_gtod_data.clock.vread;
```

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```
- if (unlikely(!__vsyscall_gtod_data.sysctl_enabled || !vread)) {
+ if (!__vsyscall_gtod_data.sysctl_enabled || !vread) {
gettimeofday(tv,0);
return;
}
@@ -151,7 +151,7 @@ int __vsyscall(0) vgettimeofday(struct t
* unlikely */
time_t __vsyscall(1) vtime(time_t *t)
{
- if (unlikely(!__vsyscall_gtod_data.sysctl_enabled))
+ if (!__vsyscall_gtod_data.sysctl_enabled)
return time_syscall(t);
else if (t)
*t = __vsyscall_gtod_data.wall_time_tv.tv_sec;
```

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