

Re: kernel panic at boot on any 6.x OS

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/hackers/2007-02/msg00301.html>

- *From:* "Kip Macy" <kip.macy@xxxxxxxxxx>
 - *Date:* Sat, 24 Feb 2007 23:59:55 -0800
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It looks as if you've hit a device driver that is trying to print out a null string. The message you've given doesn't provide any more information than that. If you install a snapshot kernel it will probably have ddb compiled in which will allow you to at least get a backtrace. I'm sorry you're having trouble.

-Kip

On 2/24/07, Joe Auty <joe@xxxxxxxxxxxxxxxxxx> wrote:

Hello,

(sorry, don't know whether kernel problems should go to questions or hackers, or both)..

This has been a long-standing problem of mine, but I always ignored it hoping it would go away on its own with a future 6.x release, but it remains...

No matter whether I boot into safe mode or regular mode, with all kernel extensions disabled in /boot/loader.conf, I get the following panic late at boot of a fresh RELENG_6_2 kernel (with only a few services left to bring up). The 6.x kernels I've tried all build and installed cleanly without any errors...

```
> WARNING: Device driver "  
>  
> Fatal trap 12: page fault while in kernel mode  
> fault virtual address = 0x400000  
> fault code = supervisor read, page not present  
> instruction pointer = 0x20:0xc06d4614  
> stack pointer = 0x28:0xf015491c  
> frame pointer = 0x28:0xf015491c  
> code segment = base 0x0, limit 0xfffff, type 0x1b  
> = DPL 0, pres 1, def32 1, gran 1
```

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- > processor eflags = interrupt enabled, resume, IOPL = 0
- > current process = 898 (kldload)
- > trap number = 12
- > panic: page fault
- > uptime: 36s
- > cannot dump. No dump device defined
- > automatic reboot in 15 seconds

This problem does not occur within any 5.x OS for me. I would certainly like to resolve this issue now, but this sort of debugging is over my head beyond running fsck (which I've tried). Any ideas here?

Thanks in advance for your help!

Joe Auty
NetMusician: web publishing software for musicians
<http://www.netmusician.org>
joe@xxxxxxxxxxxxxxxx

freebsd-hackers@xxxxxxxxxxx mailing list
<http://lists.freebsd.org/mailman/listinfo/freebsd-hackers>
To unsubscribe, send any mail to "freebsd-hackers-unsubscribe@xxxxxxxxxxx"