

Re: Fatal trap 12

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2003-10/1602.html>

From: Chris Readle (*patternner_at_rocketmail.com*)

Date: 10/16/03

Date: Thu, 16 Oct 2003 06:48:53 -0700 (PDT)

To: freebsd-questions@freebsd.org

Got another one this morning. This time the only thing running was the make index && make readmes, and XFree86.

Actually, they both may have finished by then, I started them up then had to go to sleep, so I'm not entirely sure how far along it got in the process. I do know it was past the index and working on the readmes, though.

/var/log/messages:

Oct 16 01:26:37 creadle /kernel: Fatal trap 12: page fault while in kernel mode

Oct 16 01:26:37 creadle /kernel: fault virtual address = 0xfffffd9b

Oct 16 01:26:37 creadle /kernel: fault code = supervisor read, page not present

Oct 16 01:26:37 creadle /kernel: instruction pointer = 0x8:0xc022c1c8

Oct 16 01:26:37 creadle /kernel: stack pointer = 0x10:0xd2e2ee4c

Oct 16 01:26:37 creadle /kernel: frame pointer = 0x10:0xd2e2ee54

Oct 16 01:26:37 creadle /kernel: code segment = base 0x0, limit 0xffff, type 0x1b

Oct 16 01:26:37 creadle /kernel: = DPL 0, pres 1, def32 1, gran 1

Oct 16 01:26:37 creadle /kernel: processor eflags = interrupt enabled, resume, IOPL = 0

Oct 16 01:26:37 creadle /kernel: current process = 53504 (sh)

Oct 16 01:26:37 creadle /kernel: interrupt mask = none

Oct 16 01:26:37 creadle /kernel: trap number = 12

Oct 16 01:26:37 creadle /kernel: panic: page fault

Oct 16 01:26:37 creadle /kernel:

nm -n:

```
[chris@creadle chris]$ nm -n /kernel | grep c022c1c8
```

```
[chris@creadle chris]$ nm -n /kernel | grep c022c1c
```

```
[chris@creadle chris]$ nm -n /kernel | grep c022c1
```

```
c022c19c T vm_page_lookup
```

```
c022c1f8 T vm_page_rename
```

chris

freebsd-questions: Re: Fatal trap 12

— Chris Readle <pattern@rocketmail.com> wrote:

> Hi all,
>
> New to FBSD, and in the process of moving my Linux/Windows PC to
> FBSD/Windows.
>
> I got two spontaneous reboots last night (the first times it happened)
> and
> I got fatal trap 12s in /var/log/messages each time. I wasn't doing
> anything too heavy, just a make index && make readmes on my ports,
> listening to some music through XMMS and browsing the web via Mozilla.
>
> I searched the archives and the FAQ. I haven't built a debugging kernel
> yet, but I thought I would post the info I have in the hopes that
> someone
> might be able to help.
>
> I did do an nm -n on the kernel, however.
>
> uname -a:
> FreeBSD creadle.oc.cox.net 4.8-RELEASE-p13 FreeBSD 4.8-RELEASE-p13 #4:
> Wed
> Oct 15 08:55:21 PDT 2003
> chris@creadle.oc.cox.net:/usr/obj/usr/src/sys/CREADLE i386
>
> /var/log/messages:
> Oct 14 21:45:23 creadle /kernel: Fatal trap 12: page fault while in
> kernel
> mode
> Oct 14 21:45:23 creadle /kernel: fault virtual address = 0xbfca02c8
> Oct 14 21:45:23 creadle /kernel: fault code = supervisor
> read,
> page not present
> Oct 14 21:45:23 creadle /kernel: instruction pointer = 0x8:0xc028fe83
> Oct 14 21:45:23 creadle /kernel: stack pointer =
> 0x10:0xd2cfbcf8
> Oct 14 21:45:23 creadle /kernel: frame pointer =
> 0x10:0xd2cfbd08
> Oct 14 21:45:23 creadle /kernel: code segment = base 0x0,
> limit
> 0xffff, type 0x1b
> Oct 14 21:45:23 creadle /kernel: = DPL 0, pres 1, def32 1, gran 1
> Oct 14 21:45:23 creadle /kernel: processor eflags = interrupt
> enabled, resume, IOPL = 0
> Oct 14 21:45:23 creadle /kernel: current process = 73961
> (sh)
> Oct 14 21:45:23 creadle /kernel: interrupt mask = net tty bio
> cam
> Oct 14 21:45:23 creadle /kernel: trap number = 12
> Oct 14 21:45:23 creadle /kernel: panic: page fault
>

Re: Fatal trap 12

freebsd-questions: Re: Fatal trap 12

> nm -n:
> creadle# nm -n /kernel | grep c028fe8
> c028fe88 T pmap_ts_referenced
> creadle# nm -n /kernel | grep c028fe
> c028fe7c T pmap_phys_address
> c028fe88 T pmap_ts_referenced
>
> I did two because I thought it was odd that the first one came up with a
> higher address than the actual pointer.
>
> Any good suggestions?
>
> chris
>
>
>
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>
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