

Re: Crash with recent kernel on wireless

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2008-04/msg00535.html>

- *From:* Sam Leffler <sam@xxxxxxxxxxxx>
 - *Date:* Sat, 26 Apr 2008 09:07:20 -0700
-

Da Rock wrote:

On Sat, 2008-04-26 at 11:11 +0400, Vladimir Grebenschikov wrote:

On Fri, 2008-04-25 at 18:00 +0200, Roland Smith wrote:

On Fri, Apr 25, 2008 at 04:25:14PM +0400, Vladimir Grebenschikov wrote:

Hi

Recently I've upgraded 7-STABLE: Mar 11
-> Apr 24

Everything was fine until I've tried to
configure wireless (ath driver,
WPA)
It crashes every time after interface becomes
UP, (I've seen associated in ifconfig output
before crash), but before dhcp
finished to get IP.

You should use the kernel image with the debugging
symbols here. If

you

build and install a kernel, you get two kernel images on 7.x;

1) /boot/kernel/kernel (your regular kernel)

2) /boot/kernel/kernel.symbols (with the debug symbols)

Hm, I've thought before, that it will show back-trace even without debug
symbols.

Anyway, gdb still complains about "linker_file" and "not as structure
pointer"

But shows stop point. Not much info here :(

```
cat /var/crash/info.44 Dump header from device /dev/ad0s2b
```

```
Architecture: i386
```

```
Architecture Version: 2
```

```
Dump Length: 190091264B (181 MB)
```

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Blocksize: 512
Dumptime: Sat Apr 26 10:50:05 2008
Hostname: vbook.fbsd.ru
Magic: FreeBSD Kernel Dump
Version String: FreeBSD 7.0-STABLE #3: Sat Apr 26 10:20:31 MSD 2008
root@xxxxxxxxxxxxx:/usr/src/sys/i386/compile/VBOOK
Panic String: page fault
Dump Parity: 4236056142
Bounds: 44
Dump Status: good

```
kgdb /boot/kernel/kernel.symbols /var/crash/vmcore.44
[GDB will not be able to debug user-mode
threads: /usr/lib/libthread_db.so: Undefined symbol "ps_pglobal_lookup"]
GNU gdb 6.1.1 [FreeBSD]
Copyright 2004 Free Software Foundation, Inc.
GDB is free software, covered by the GNU General Public License, and you
are
welcome to change it and/or distribute copies of it under certain
conditions.
Type "show copying" to see the conditions.
There is absolutely no warranty for GDB. Type "show warranty" for
details.
This GDB was configured as "i386-marcel-freebsd".
No struct type named linker_file.
No struct type named linker_file.
No struct type named linker_file.
No struct type named linker_file.
Attempt to extract a component of a value that is not a structure
pointer.
Attempt to extract a component of a value that is not a structure
pointer.
Attempt to extract a component of a value that is not a structure
pointer.
Attempt to extract a component of a value that is not a structure
pointer.
#0 doadump () at pcpu.h:195
195 pcpu.h: No such file or directory.
in pcpu.h
(kgdb) bt
#0 doadump () at pcpu.h:195
#1 0xc0542757 in boot (howto=260) at ../../kern/kern_shutdown.c:418
#2 0xc0542a53 in panic (fmt=Variable "fmt" is not available.) at
../../kern/kern_shutdown.c:572
#3 0xc06a8870 in trap_fatal ()
#4 0xc06a8c2a in trap_pfault ()
#5 0xc06a957e in trap ()
#6 0xc068e80b in calltrap ()
#7 0xc58b68d5 in ?? ()
Previous frame inner to this frame (corrupt stack?)
```

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(kgdb)

Most of crashes even failed to save vmdump due to double faults.

Looks like it is really related to wireless code.

Effect happens only at my home WiFi network and does not happens at work

(WPA-PSK vs PEAP)

and always current process in nmbd (broadcasting ?).

Crash happens with both 4BSD and ULE schedulers.

My system have dual-core Intel x86 CPU (SMP kernel)

FWIW I've had to install 6.3 because my new system crashed on 7- uses a ral driver for a linksys wmp54g card. I'm not sure about broadcasting, but it failed after only moments of up time.

I'm also going to have to roll back to 6.3 on another machine of similar design (minus wifi nic)- crashes every so often. So far I haven't been able to get a dump because I don't see it happen and I can't find the logs yet.

Machines use a gigabyte GA-945GCM-S2L mb with a celeron ~1.6G cpu and 1gig RAM, seagate 80gb sata hdd. Main diff is case- 1x desktop (250W), 1x tower (400W).

We can't fix problems w/o information. Should you or someone else get something to work with please file a PR.

Sam

freebsd-stable@xxxxxxxxxxx mailing list

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