

Re: kernel panic in 7.0-BETA1

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2007-10/msg01416.html>

- *From:* Ó¶ Bill Hacker <askbill@xxxxxxxxxxxxx>
 - *Date:* Tue, 30 Oct 2007 14:06:15 -0400
-

Louis Kowolowski wrote:

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

I've been getting these for about 2wks now. I see nothing in /var/log/messages. System just hangs and the screen goes black. I'm in X so I can't see what is on the console.

If you redirect console messages in /etc/syslog.conf to /var/log/console.log, then tail -f that from a separate ssh login, you will not be as 'blind' to what is happening behind that 'X' screen.

See also /var/log/messages, var/log/all.log & friends... Sometimes the culprit is even in /var/log/maillog. Overloaded SpamAssassin or such are just examples.

Running top -SH in yet-another ssh session can't hurt, either....

Quite often a line or three of such log entries will tell the tale w/o the need for divining cores or dumps at all, and will at the least paint a picture as to what was going on immediately preceding the fault.

HTH,

Bill

> I enabled crash dumps and I'm

pasting the lastest backtrace. Is there anything else I can provide?

Thanks!

dmesg:

Copyright (c) 1992-2007 The FreeBSD Project.
Copyright (c) 1979, 1980, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994
The Regents of the University of California. All rights reserved.
FreeBSD is a registered trademark of The FreeBSD Foundation.
FreeBSD 7.0-BETA1 #6: Thu Oct 25 15:58:10 PDT 2007

Re: kernel panic in 7.0-BETA1

root@xxxxxxxxxxxxxxxxxxxxx:/usr/obj/usr/src/sys/MONTEZUMA
Timecounter "i8254" frequency 1193167 Hz quality 0
CPU: Intel(R) Core(TM)2 CPU T7600 @ 2.33GHz (2327.49-MHz
686-class CPU)
Origin = "GenuineIntel" Id = 0x6f6 Stepping = 6

Features=0xbfbfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,P
Features2=0xe3bd<SSE3,RSVD2,MON,DS_CPL,VMX,EST,TM2,SSSE3,CX16,xTPR,PDCM>
AMD Features=0x20100000<NX,LM>
AMD Features2=0x1<LAHF>
Cores per package: 2
real memory = 3219980288 (3070 MB)
avail memory = 3145494528 (2999 MB)
ACPI APIC Table: <LENOVO TP-79 >
FreeBSD/SMP: Multiprocessor System Detected: 2 CPUs
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 1
ACPI Warning (tbfadt-0505): Optional field "Gpe1Block" has zero address
or length: 0 102C/0 [20070320]
ioapic0: Changing APIC ID to 1
ioapic0 <Version 2.0> irqs 0-23 on motherboard
kbd1 at kbdmux0
ath_hal: 0.9.20.3 (AR5210, AR5211, AR5212, RF5111, RF5112, RF2413, RF5413)
cryptosoft0: <software crypto> on motherboard
acpi0: <LENOVO TP-79> on motherboard
acpi0: [ITHREAD]
acpi_ec0: <Embedded Controller: GPE 0x1c, EC DT> port 0x62,0x66 on acpi0
acpi0: Power Button (fixed)
acpi0: reservation of 0, a0000 (3) failed
acpi0: reservation of 100000, bff00000 (3) failed
Timecounter "ACPI-fast" frequency 3579545 Hz quality 1000
acpi_timer0: <24-bit timer at 3.579545MHz> port 0x1008-0x100b on acpi0
acpi_hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on
acpi0
Timecounter "HPET" frequency 14318180 Hz quality 900
cpu0: <ACPI CPU> on acpi0
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
cpu1: <ACPI CPU> on acpi0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
acpi_lid0: <Control Method Lid Switch> on acpi0
acpi_button0: <Sleep Button> on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcf8-0xcff on acpi0
pci0: <ACPI PCI bus> on pcib0
pcib1: <ACPI PCI-PCI bridge> irq 16 at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib1
vgapci0: <VGA-compatible display> port 0x2000-0x20ff mem
0xd0000000-0xdfffffff,0xee100000-0xee10ffff irq 16 at device 0.0 on pci1
pcm0: <Intel 82801G High Definition Audio Controller> mem
0xee400000-0xee403fff irq 17 at device 27.0 on pci0

Re: kernel panic in 7.0-BETA1

pcm0: [ITHREAD]
pcib2: <ACPI PCI-PCI bridge> irq 20 at device 28.0 on pci0
pci2: <ACPI PCI bus> on pcib2
em0: <Intel(R) PRO/1000 Network Connection Version - 6.5.3> port
0x3000-0x301f mem 0xee000000-0xee01ffff irq 16 at device 0.0 on pci2
em0: Ethernet address: 00:16:41:58:25:48
em0: [ITHREAD]
pcib3: <ACPI PCI-PCI bridge> irq 21 at device 28.1 on pci0
pci3: <ACPI PCI bus> on pcib3
ath0: <Atheros 5212> mem 0xedf00000-0xedf0ffff irq 17 at device 0.0 on pci3
ath0: [ITHREAD]
ath0: using obsoleted if_watchdog interface
ath0: Ethernet address: 00:16:cf:7b:0d:0d
ath0: mac 10.3 phy 6.1 radio 10.2
pcib4: <ACPI PCI-PCI bridge> irq 22 at device 28.2 on pci0
pci4: <ACPI PCI bus> on pcib4
pcib5: <ACPI PCI-PCI bridge> irq 23 at device 28.3 on pci0
pci12: <ACPI PCI bus> on pcib5
uhci0: <UHCI (generic) USB controller> port 0x1800-0x181f irq 16 at
device 29.0 on pci0
uhci0: [GIANT-LOCKED]
uhci0: [ITHREAD]
usb0: <UHCI (generic) USB controller> on uhci0
usb0: USB revision 1.0
uhub0: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb0
uhub0: 2 ports with 2 removable, self powered
uhci1: <UHCI (generic) USB controller> port 0x1820-0x183f irq 17 at
device 29.1 on pci0
uhci1: [GIANT-LOCKED]
uhci1: [ITHREAD]
usb1: <UHCI (generic) USB controller> on uhci1
usb1: USB revision 1.0
uhub1: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb1
uhub1: 2 ports with 2 removable, self powered
uhci2: <UHCI (generic) USB controller> port 0x1840-0x185f irq 18 at
device 29.2 on pci0
uhci2: [GIANT-LOCKED]
uhci2: [ITHREAD]
usb2: <UHCI (generic) USB controller> on uhci2
usb2: USB revision 1.0
uhub2: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb2
uhub2: 2 ports with 2 removable, self powered
uhci3: <UHCI (generic) USB controller> port 0x1860-0x187f irq 19 at
device 29.3 on pci0
uhci3: [GIANT-LOCKED]
uhci3: [ITHREAD]
usb3: <UHCI (generic) USB controller> on uhci3
usb3: USB revision 1.0
uhub3: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb3
uhub3: 2 ports with 2 removable, self powered
ehci0: <Intel 82801GB/R (ICH7) USB 2.0 controller> mem

Re: kernel panic in 7.0-BETA1

0xee404000-0xee4043ff irq 19 at device 29.7 on pci0
ehci0: [GIANT-LOCKED]
ehci0: [ITHREAD]
usb4: EHCI version 1.0
usb4: companion controllers, 2 ports each: usb0 usb1 usb2 usb3
usb4: <Intel 82801GB/R (ICH7) USB 2.0 controller> on ehci0
usb4: USB revision 2.0
uhub4: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> on usb4
uhub4: 8 ports with 8 removable, self powered
pcib6: <ACPI PCI-PCI bridge> at device 30.0 on pci0
pci21: <ACPI PCI bus> on pcib6
cbb0: <TI1510 PCI-CardBus Bridge> mem 0xe4300000-0xe4300fff irq 16 at device 0.0 on pci21
cardbus0: <CardBus bus> on cbb0
pccard0: <16-bit PCCard bus> on cbb0
cbb0: [ITHREAD]
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <Intel ICH7 UDMA100 controller> port 0x1f0-0x1f7,0x3f6,0x170-0x177,0x376,0x1880-0x188f at device 31.1 on pci0
ata0: <ATA channel 0> on atapci0
ata0: [ITHREAD]
ata1: <ATA channel 1> on atapci0
ata1: [ITHREAD]
atapci1: <Intel ICH7M SATA300 controller> port 0x18c8-0x18cf,0x18ac-0x18af,0x18c0-0x18c7,0x18a8-0x18ab,0x18b0-0x18bf mem 0xee404400-0xee4047ff irq 16 at device 31.2 on pci0
atapci1: [ITHREAD]
atapci1: AHCI Version 01.10 controller with 4 ports detected
ata2: <ATA channel 0> on atapci1
ata2: [ITHREAD]
ata3: <ATA channel 1> on atapci1
ata3: port not implemented
ata3: [ITHREAD]
ata4: <ATA channel 2> on atapci1
ata4: port not implemented
ata4: [ITHREAD]
ata5: <ATA channel 3> on atapci1
ata5: port not implemented
ata5: [ITHREAD]
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)
acpi_tz0: <Thermal Zone> on acpi0
acpi_tz1: <Thermal Zone> on acpi0
speaker0: <PC speaker> port 0x61 on acpi0
atkbd0: <Keyboard controller (i8042)> port 0x60,0x64 irq 1 on acpi0
atkbd0: <AT Keyboard> irq 1 on atkbd0
kbd0 at atkbd0
atkbd0: [GIANT-LOCKED]
atkbd0: [ITHREAD]
psm0: <PS/2 Mouse> irq 12 on atkbd0
psm0: [GIANT-LOCKED]

Re: kernel panic in 7.0-BETA1

psm0: [ITHREAD]
psm0: model Generic PS/2 mouse, device ID 0
sio0: configured irq 3 not in bitmap of probed irqs 0
sio0: port may not be enabled
battery0: <ACPI Control Method Battery> on acpi0
acpi_acad0: <AC Adapter> on acpi0
acpi_ibm0: <IBM ThinkPad ACPI Extras> on acpi0
sio0: configured irq 3 not in bitmap of probed irqs 0
sio0: port may not be enabled
pmtimer0 on isa0
orm0: <ISA Option ROMs> at iomem
0xc0000-0xcffff,0xd0000-0xd0fff,0xd1000-0xd1fff,0xdc000-0xdffff,0xe0000-0xeffff
pnpid ORM0000 on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0: port may not be enabled
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0: port may not be enabled
sio0 at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0
sio0: type 8250 or not responding
sio0: [FILTER]
sio1: configured irq 3 not in bitmap of probed irqs 0
sio1: port may not be enabled
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
ugen0: <Broadcom Corp BCM2045B, class 224/1, rev 2.00/1.00, addr 2> on uhub3
ugen1: <STMicroelectronics Biometric Coprocessor, class 0/0, rev
1.00/0.01, addr 3> on uhub3
NULL mp in getnewvnode()
Timecounters tick every 1.000 msec
ad0: 238475MB <WDC WD2500BEVS-00UST0 01.01A01> at ata0-master UDMA100
ad4: 238475MB <WDC WD2500BEVS-00UST0 01.01A01> at ata2-master SATA150
pcm0: <HDA Codec: Analog Devices AD1981HD>
pcm0: <HDA Driver Revision: 20071020_0048>
SMP: AP CPU #1 Launched!
Trying to mount root from ufs:/dev/ad4s1a

kgdb output:

[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".

Re: kernel panic in 7.0-BETA1

Unread portion of the kernel message buffer:

Fatal trap 12: page fault while in kernel mode
cpuid = 0; apic id = 00
fault virtual address = 0x0
fault code = supervisor write, page not present
instruction pointer = 0x20:0xc0712901
stack pointer = 0x28:0xe8e88824
frame pointer = 0x28:0xe8e88850
code segment = base 0x0, limit 0xffff, type 0x1b
= DPL 0, pres 1, def32 1, gran 1
processor eflags = interrupt enabled, resume, IOPL = 0
current process = 1437 (gkrellm)
trap number = 12
panic: page fault
cpuid = 0
Uptime: 5h5m16s
Physical memory: 3058 MB
Dumping 153 MB: 138 122 106 90 74 58 42 26 10

```
#0 doadump () at pcpu.h:195
195 __asm __volatile("movl %%fs:0,%0" : "=r" (td));
(kgdb) backtrace
#0 doadump () at pcpu.h:195
#1 0xc07461aa in boot (howto=260) at /usr/src/sys/kern/kern_shutdown.c:409
#2 0xc074649c in panic (fmt=Variable "fmt" is not available.
) at /usr/src/sys/kern/kern_shutdown.c:563
#3 0xc0a26704 in trap_fatal (frame=0xe8e887e4, eva=0)
at /usr/src/sys/i386/i386/trap.c:872
#4 0xc0a26975 in trap_pfault (frame=0xe8e887e4, usermode=0, eva=0)
at /usr/src/sys/i386/i386/trap.c:785
#5 0xc0a272c1 in trap (frame=0xe8e887e4) at
/usr/src/sys/i386/i386/trap.c:463
#6 0xc0a0e33b in calltrap () at /usr/src/sys/i386/i386/exception.s:139
#7 0xc0712901 in clone_create (cdp=0xc0db3f74, csw=0xc0db2fa0,
up=0xe8e88874,
dp=0xe8e88940, extra=0) at /usr/src/sys/kern/kern_conf.c:938
#8 0xc0da3eae in ?? ()
#9 0xc0db3f74 in ?? ()
#10 0xc0db2fa0 in ?? ()
#11 0xe8e88874 in ?? ()
#12 0xe8e88940 in ?? ()
#13 0x00000000 in ?? ()
#14 0xc0ab29b5 in ?? ()
#15 0xc0d3511e in ?? ()
#16 0xffffffff in ?? ()
#17 0xc0da3e48 in ?? ()
#18 0xc66e4400 in ?? ()
#19 0xe8e88950 in ?? ()
#20 0xc06e0adc in devfs_lookup (ap=0x0)
```

Re: kernel panic in 7.0-BETA1

at /usr/src/sys/fs/devfs/devfs_vnops.c:627
Previous frame identical to this frame (corrupt stack?)
(kgdb)

-- --

Louis Kowolowski louisk@xxxxxxxxxxxxxxxxxxxx
Cryptomonkeys: <http://www.cryptomonkeys.com/~louisk>

Everyone is a genius. It's just that some people are too stupid to realize it.

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v2.0.4 (FreeBSD)

iD8DBQFHJqWeZk0r6oAkN7YRAiUOAJsEzMjvY/e2rKFPP6/w4pQVh7NIGQCfRp39
18ZPUy4iDgE1hJ7KC8QXs7c=
=kHMs

-----END PGP SIGNATURE-----

freebsd-current@xxxxxxxxxxxx mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-current>

To unsubscribe, send any mail to "freebsd-current-unsubscribe@xxxxxxxxxxxx"

freebsd-current@xxxxxxxxxxxx mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-current>

To unsubscribe, send any mail to "freebsd-current-unsubscribe@xxxxxxxxxxxx"