

Re: Same Panic 12 on differnet servers

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2004-02/0319.html>

From: Nils Holland (*nils_at_tisys.org*)

Date: 02/26/04

To: freebsd-stable@freebsd.org

Date: Thu, 26 Feb 2004 14:18:38 +0100

On Wednesday 25 February 2004 14:31, Andrew L. Davydov wrote:

> *Hello!*

>

> *I have been getting reboots of my box occassionaly under 4-STABLE for*

> *awhile, and I would like some help trying to track it down.*

Well, interesting! I don't know if this is related, but I've already feared I'm slowly going insane, because one of my 4-STABLE boxes has also started to crash occasionally lately. In fact, it was running rock solid before and now I get something that I seem to be able to reproduce whenever I try. It's a panic with trap 9 and not trap 12 I get here, but I thought I'd mention it anyway.

Basically, my strange story goes like this: When I have X and KDE (3.2) running on my machine as a normal user and then switch to another virtual console, log in there as root and run a "make NOCLEANDEPENDS=yes clean" in /usr/ports, in 100% of all cases. Really – it crashed every time I tried since I first noticed about two weeks ago.

What I find really strange: On the very same box, I've had KDE run non-stop for 7 days without a break and without a crash. I've ran a "make buildworld" while X11/KDE was running – no problem! And I've cleaned my ports tree while KDE was *not* running – also successful. Only when KDE is running and I'm cleaning my ports tree, strange things seem to start to occur.

I'll probably get myself a memory dump and a backtrace and post more information here if there's interest, but for now here are some details I can already give at this time:

uname -a:

FreeBSD rosi.tisys.org 4.9-STABLE FreeBSD 4.9-STABLE #0: Fri Feb 20 18:18:24 CET 2004 root@rosi.tisys.org:/usr/obj/usr/src/sys/ROSI i386

"Crash entry" in /var/log/messages:

Feb 26 14:02:49 rosi /kernel:

Feb 26 14:02:49 rosi /kernel: Fatal trap 9: general protection fault while in kernel mode

freebsd-stable: Re: Same Panic 12 on differnet servers

Feb 26 14:02:49 rosi /kernel: instruction pointer = 0x8:0xc027d5d3
Feb 26 14:02:49 rosi /kernel: stack pointer = 0x10:0xe1a4efdc
Feb 26 14:02:49 rosi /kernel: frame pointer = 0x10:0xbfbfefd0
Feb 26 14:02:49 rosi /kernel: code segment = base 0x0, limit 0xffff, type 0x1b
Feb 26 14:02:49 rosi /kernel: = DPL 0, pres 1, def32 1, gran 1
Feb 26 14:02:49 rosi /kernel: processor eflags = interrupt enabled, resume, IOPL = 0
Feb 26 14:02:49 rosi /kernel: current process = 287 (kgpg)
Feb 26 14:02:49 rosi /kernel: interrupt mask = none
Feb 26 14:02:49 rosi /kernel: trap number = 9
Feb 26 14:02:49 rosi /kernel: panic: general protection fault
Feb 26 14:02:49 rosi /kernel:
Feb 26 14:02:49 rosi /kernel: syncing disks... 12

dmesg:

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FreeBSD 4.9–STABLE #0: Fri Feb 20 18:18:24 CET 2004

root@rosi.tisys.org:/usr/obj/usr/src/sys/ROSI

Timecounter "i8254" frequency 1193182 Hz

CPU: AMD Athlon(TM) MP 1800+ (1525.85–MHz 686–class CPU)

Origin = "AuthenticAMD" Id = 0x662 Stepping = 2

Features=0x383fbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE

AMD Features=0xc0480000<MP,AMIE,DSP,3DNow!>

real memory = 805289984 (786416K bytes)

avail memory = 779440128 (761172K bytes)

Preloaded elf kernel "kernel" at 0xc038a000.

Pentium Pro MTRR support enabled

md0: Malloc disk

Using \$PIR table, 14 entries at 0xc00f1f40

npx0: <math processor> on motherboard

npx0: INT 16 interface

pcib0: <Host to PCI bridge> on motherboard

pci0: <PCI bus> on pcib0

agp0: <VIA Generic host to PCI bridge> mem 0xf8000000–0xfbffffff at device 0.0 on pci0

pcib1: <PCI to PCI bridge (vendor=1106 device=b168)> at device 1.0 on pci0

pci1: <PCI bus> on pcib1

pci1: <ATI model 5446 graphics accelerator> at 0.0 irq 11

pci0: <unknown card> (vendor=0x1274, dev=0x5880) at 12.0 irq 10

uhci0: <VIA 83C572 USB controller> port 0xb400–0xb41f irq 3 at device 16.0 on pci0

usb0: <VIA 83C572 USB controller> on uhci0

usb0: USB revision 1.0

uhub0: VIA UHCI root hub, class 9/0, rev 1.00/1.00, addr 1

uhub0: 2 ports with 2 removable, self powered

uhci1: <VIA 83C572 USB controller> port 0xb000–0xb01f irq 3 at device 16.1 on pci0

usb1: <VIA 83C572 USB controller> on uhci1

Re: Same Panic 12 on differnet servers

freebsd-stable: Re: Same Panic 12 on differnet servers

usb1: USB revision 1.0
uhub1: VIA UHCI root hub, class 9/0, rev 1.00/1.00, addr 1
uhub1: 2 ports with 2 removable, self powered
ulpt0: EPSON USB Printer, rev 1.10/1.00, addr 2, iclass 7/1
ugen0: Primax Electronics USB Scanner, rev 1.10/2.00, addr 3
uhci2: <VIA 83C572 USB controller> port 0xa800-0xa81f irq 3 at device 16.2 on pci0
usb2: <VIA 83C572 USB controller> on uhci2
usb2: USB revision 1.0
uhub2: VIA UHCI root hub, class 9/0, rev 1.00/1.00, addr 1
uhub2: 2 ports with 2 removable, self powered
pci0: <USB controller> at 16.3 irq 3
isab0: <PCI to ISA bridge (vendor=1106 device=3177)> at device 17.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <VIA 8235 ATA133 controller> port 0xa400-0xa40f at device 17.1 on pci0
ata0: at 0x1f0 irq 14 on atapci0
ata1: at 0x170 irq 15 on atapci0
vr0: <VIA VT6102 Rhine II 10/100BaseTX> port 0xa000-0xa0ff mem 0xf2000000-0xf20000ff irq 9 at device 18.0 on pci0
vr0: Ethernet address: 00:0c:6e:56:ef:19
miibus0: <MII bus> on vr0
rphy0: <RTL8201L 10/100 media interface> on miibus0
rphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto
orm0: <Option ROM> at iomem 0xc0000-0xcbfff on isa0
pmtimer0 on isa0
fdc0: <NEC 72065B or clone> at port 0x3f0-0x3f5,0x3f7 irq 6 drq 2 on isa0
fdc0: FIFO enabled, 8 bytes threshold
fd0: <1440-KB 3.5" drive> on fdc0 drive 0
atkbdc0: <Keyboard controller (i8042)> at port 0x60,0x64 on isa0
atkbd0: <AT Keyboard> flags 0x1 irq 1 on atkbdc0
kbd0 at atkbd0
psm0: <PS/2 Mouse> irq 12 on atkbdc0
psm0: model IntelliMouse Explorer, device ID 4
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
sio0 at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0
sio0: type 16550A
ppc0: <Parallel port> at port 0x378-0x37f irq 7 on isa0
ppc0: SMC-like chipset (ECP/EPP/PS2/NIBBLE) in COMPATIBLE mode
ppc0: FIFO with 16/16/16 bytes threshold
lpt0: <Printer> on ppbus0
lpt0: Interrupt-driven port
ppi0: <Parallel I/O> on ppbus0
plip0: <PLIP network interface> on ppbus0
ad0: 76319MB <WDC WD800BB-60CJA0> [155061/16/63] at ata0-master UDMA100
acd0: DVD-ROM <IDE DVD-ROM 16X> at ata0-slave PIO4
acd1: CD-RW <PLEXTOR CD-R PX-W4824A> at ata1-master PIO4
acd2: CD-RW <SAMSUNG CD-R/RW SW-240B> at ata1-slave PIO4
Mounting root from ufs:/dev/ad0s2a

freebsd-stable: Re: Same Panic 12 on different servers

cd0 at ata0 bus 0 target 1 lun 0
cd0: <IDE DVD-ROM 16X 2.02> Removable CD-ROM SCSI-0 device
cd0: 16.000MB/s transfers
cd0: Attempt to query device size failed: NOT READY, Medium not present
cd1 at ata1 bus 0 target 0 lun 0
cd1: <PLEXTOR CD-R PX-W4824A 1.05> Removable CD-ROM SCSI-0 device
cd1: 16.000MB/s transfers
cd1: Attempt to query device size failed: NOT READY, Medium not present - tray
closed
cd2 at ata1 bus 0 target 1 lun 0
cd2: <SAMSUNG CD-R/RW SW-240B R403> Removable CD-ROM SCSI-0 device
cd2: 16.000MB/s transfers
cd2: Attempt to query device size failed: NOT READY, Medium not present
pcm0: <Creative CT5880-C> port 0xb800-0xb83f irq 10 at device 12.0 on pci0
pcm0: <TriTech TR28602 AC97 Codec>

I'll keep having an eye on this, but if someone already has a clue what's
going on here. ;-)

Greetings,
Nils

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