

## PANIC [2.4.27] usb-storage

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-08/6293.html>

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**Date:** 08/21/04

Date: Sat, 21 Aug 2004 23:23:34 +0300

To: [linux-kernel@vger.kernel.org](mailto:linux-kernel@vger.kernel.org)

Here, I think I captured the panic correctly, ksyoops must be reliable this time. This report is an extension to the thread named "blacklist a device in usb-storage" at:

<http://marc.theaimsgroup.com/?l=linux-kernel&m=109250806001443&w=2>

The dmesg output until the panic are in `dmesg2427v.out`.

The panic info went through ksyoops is in `panic-27.out`.

Ozkan Sezer

Linux version 2.4.27 (ozzie@p733) (gcc version 3.2.2 20030222 (Red Hat Linux 3.2.2-5)) #1 Sat Aug 21 21:43:04 EEST 2004

BIOS-provided physical RAM map:

BIOS-e820: 0000000000000000 - 000000000009f800 (usable)

BIOS-e820: 000000000009f800 - 00000000000a0000 (reserved)

BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)

BIOS-e820: 0000000000100000 - 000000001ffff000 (usable)

BIOS-e820: 000000001ffff000 - 000000001ffff000 (ACPI data)

BIOS-e820: 000000001ffff000 - 0000000020000000 (ACPI NVS)

BIOS-e820: 00000000ffff0000 - 00000000100000000 (reserved)

0MB HIGHMEM available.

511MB LOWMEM available.

On node 0 totalpages: 131068

zone(0): 4096 pages.

zone(1): 126972 pages.

zone(2): 0 pages.

ACPI: RSDP (v000 ASUS ) @ 0x000f5a60

ACPI: RSDT (v001 ASUS P3V\_4X 0x30303031 MSFT 0x31313031) @ 0x1ffc000

ACPI: FADT (v001 ASUS P3V\_4X 0x30303031 MSFT 0x31313031) @ 0x1ffc080

ACPI: BOOT (v001 ASUS P3V\_4X 0x30303031 MSFT 0x31313031) @ 0x1ffc040

ACPI: DSDT (v001 ASUS P3V\_4X 0x00001000 MSFT 0x0100000b) @ 0x00000000

Kernel command line: `BOOT_IMAGE=tt2427 ro root=LABEL=Maxtor40root`

Local APIC disabled by BIOS -- reenabling.

Found and enabled local APIC!

Initializing CPU#0

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Detected 736.022 MHz processor.  
Console: colour dummy device 80x25  
Calibrating delay loop... 1468.00 BogoMIPS  
Memory: 514900k/524272k available (1457k kernel code, 8984k reserved, 552k data, 132k init, 0k highmem)  
Dentry cache hash table entries: 65536 (order: 7, 524288 bytes)  
Inode cache hash table entries: 32768 (order: 6, 262144 bytes)  
Mount cache hash table entries: 512 (order: 0, 4096 bytes)  
Buffer cache hash table entries: 32768 (order: 5, 131072 bytes)  
Page-cache hash table entries: 131072 (order: 7, 524288 bytes)  
CPU: L1 I cache: 16K, L1 D cache: 16K  
CPU: L2 cache: 256K  
Intel machine check architecture supported.  
Intel machine check reporting enabled on CPU#0.  
CPU: After generic, caps: 0383fbff 00000000 00000000 00000000  
CPU: Common caps: 0383fbff 00000000 00000000 00000000  
CPU: Intel Pentium III (Coppermine) stepping 06  
Enabling fast FPU save and restore... done.  
Enabling unmasked SIMD FPU exception support... done.  
Checking 'hlt' instruction... OK.  
POSIX conformance testing by UNIFIX  
enabled ExtINT on CPU#0  
ESR value before enabling vector: 00000000  
ESR value after enabling vector: 00000000  
Using local APIC timer interrupts.  
calibrating APIC timer ...  
..... CPU clock speed is 736.0588 MHz.  
..... host bus clock speed is 133.8286 MHz.  
cpu: 0, clocks: 1338286, slice: 669143  
CPU0<T0:1338272,T1:669120,D:9,S:669143,C:1338286>  
mtrr: v1.40 (20010327) Richard Gooch (rgooch@atnf.csiro.au)  
mtrr: detected mtrr type: Intel  
ACPI: Subsystem revision 20040326  
PCI: PCI BIOS revision 2.10 entry at 0xf0890, last bus=1  
PCI: Using configuration type 1  
tbxface-0117 [03] acpi\_load\_tables : ACPI Tables successfully acquired  
Parsing all Control Methods:.....  
Table [DSDT](id F004) - 257 Objects with 34 Devices 78 Methods 16 Regions  
ACPI Namespace successfully loaded at root c032df3c  
ACPI: IRQ9 SCI: Edge set to Level Trigger.  
evxfevnt-0093 [04] acpi\_enable : Transition to ACPI mode successful  
evgpeblk-0867 [06] ev\_create\_gpe\_block : GPE 00 to 15 [\_GPE] 2 regs at 000000000000E420 on int 9  
evregion-0251 [27] ev\_address\_space\_dispa: No handler for Region [ECOS] (dffeb6e4) [SystemIO]  
exfldio-0283 [26] ex\_access\_region : Region SystemIO(1) has no handler  
dswexec-0435 [16] ds\_exec\_end\_op : [Store]: Could not resolve operands, AE\_NOT\_EXIST  
psparse-1133: \*\*\* Error: Method execution failed [\SPRW] (Node dffea4e4), AE\_NOT\_EXIST  
psparse-1133: \*\*\* Error: Method execution failed [\_SB\_.PCI0.\_PRW] (Node c161e704), AE\_NOT\_EXIST  
uteval-0154: \*\*\* Error: Method execution failed [\_SB\_.PCI0.\_PRW] (Node c161e704), AE\_NOT\_EXIST  
evgpeblk-0925 [06] ev\_create\_gpe\_block : Found 0 Wake, Enabled 3 Runtime GPEs in this block  
Completing Region/Field/Buffer/Package initialization:.....  
Initialized 15/16 Regions 5/5 Fields 19/19 Buffers 10/11 Packages (266 nodes)  
Executing all Device \_STA and \_INI methods:.....

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36 Devices found containing: 36 \_STA, 0 \_INI methods  
ACPI: Interpreter enabled  
ACPI: Using PIC for interrupt routing  
ACPI: System [ACPI] (supports S0 S1 S4 S5)  
ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 9 10 \*11 12 14 15)  
ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 9 \*10 11 12 14 15)  
ACPI: PCI Interrupt Link [LNKC] (IRQs 3 \*4 5 6 7 9 10 11 12 14 15)  
ACPI: PCI Interrupt Link [LNKD] (IRQs \*3 4 5 6 7 9 10 11 12 14 15)  
ACPI: PCI Root Bridge [PCI0] (00:00)  
PCI: Probing PCI hardware (bus 00)  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI0.\_PRT]  
PCI: Probing PCI hardware  
ACPI: PCI Interrupt Link [LNKD] enabled at IRQ 3  
ACPI: PCI Interrupt Link [LNKC] enabled at IRQ 4  
ACPI: PCI Interrupt Link [LNKB] enabled at IRQ 10  
ACPI: PCI Interrupt Link [LNKA] enabled at IRQ 11  
PCI: Using ACPI for IRQ routing  
PCI: BIOS reporting unknown device 00:70  
PCI: Device 00:71 not found by BIOS  
Activating ISA DMA hang workarounds.  
isapnp: Scanning for PnP cards...  
isapnp: No Plug & Play device found  
Linux NET4.0 for Linux 2.4  
Based upon Swansea University Computer Society NET3.039  
Initializing RT netlink socket  
apm: BIOS version 1.2 Flags 0x03 (Driver version 1.16)  
apm: overridden by ACPI.  
Starting kswapd  
VFS: Disk quotas vquot\_6.5.1  
vesafb: framebuffer at 0xd8000000, mapped to 0xe080a000, size 1875k  
vesafb: mode is 800x600x16, linelength=1600, pages=3  
vesafb: protected mode interface info at c00:c0f0  
vesafb: scrolling: redraw  
vesafb: directcolor: size=0:5:6:5, shift=0:11:5:0  
Console: switching to colour frame buffer device 100x37  
fb0: VESA VGA frame buffer device  
pty: 256 Unix98 ptys configured  
Serial driver version 5.05c (2001-07-08) with HUB-6 MANY\_PORTS MULTIPORT SHARE\_IRQ  
SERIAL\_PCI ISAPNP enabled  
RAMDISK driver initialized: 16 RAM disks of 32000K size 1024 blocksize  
Uniform Multi-Platform E-IDE driver Revision: 7.00beta4-2.4  
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx  
VP\_IDE: IDE controller at PCI slot 00:04.1  
VP\_IDE: chipset revision 16  
VP\_IDE: not 100% native mode: will probe irqs later  
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx  
VP\_IDE: VIA vt82c596b (rev 23) IDE UDMA66 controller on pci00:04.1  
  ide0: BM-DMA at 0xd800-0xd807, BIOS settings: hda:DMA, hdb:DMA  
  ide1: BM-DMA at 0xd808-0xd80f, BIOS settings: hdc:DMA, hdd:pio  
SiI680: IDE controller at PCI slot 00:0a.0  
SiI680: chipset revision 2

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SiI680: not 100% native mode: will probe irqs later  
SiI680: BASE CLOCK == 133  
ide2: MMIO-DMA , BIOS settings: hde:pio, hdf:pio  
ide3: MMIO-DMA , BIOS settings: hdg:pio, hdh:pio  
hda: ASUS CD-S520/A, ATAPI CD/DVD-ROM drive  
hdb: RICOH CD-R/RW MP7200A, ATAPI CD/DVD-ROM drive  
hdc: HL-DT-STDVD-ROM GDR8162B, ATAPI CD/DVD-ROM drive  
hde: Maxtor 6E040L0, ATA DISK drive  
blk: queue c03478c8, I/O limit 4095Mb (mask 0xffffffff)  
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14  
ide1 at 0x170-0x177,0x376 on irq 15  
ide2 at 0xe09e0080-0xe09e0087,0xe09e008a on irq 4  
hde: attached ide-disk driver.  
hde: host protected area => 1  
hde: 80293248 sectors (41110 MB) w/2048KiB Cache, CHS=79656/16/63, UDMA(133)  
Partition check:  
hde: [PTBL] [4998/255/63] hde1 hde2 hde3 hde4 < hde5 hde6 >  
ide: late registration of driver.  
Initializing Cryptographic API  
NET4: Linux TCP/IP 1.0 for NET4.0  
IP Protocols: ICMP, UDP, TCP, IGMP  
IP: routing cache hash table of 4096 buckets, 32Kbytes  
TCP: Hash tables configured (established 32768 bind 65536)  
Linux IP multicast router 0.06 plus PIM-SM  
NET4: Unix domain sockets 1.0/SMP for Linux NET4.0.  
RAMDISK: Compressed image found at block 0  
Freeing initrd memory: 402k freed  
VFS: Mounted root (ext2 filesystem).  
Journalled Block Device driver loaded  
inserting floppy driver for 2.4.27  
Floppy drive(s): fd0 is 1.44M  
FDC 0 is a post-1991 82077  
kjournald starting. Commit interval 5 seconds  
EXT3-fs: mounted filesystem with ordered data mode.  
Freeing unused kernel memory: 132k freed  
Real Time Clock Driver v1.10f  
usb.c: registered new driver usbdevfs  
usb.c: registered new driver hub  
ehci\_hcd 00:0e.2: VIA Technologies, Inc. USB 2.0  
ehci\_hcd 00:0e.2: irq 11, pci mem e0a33000  
usb.c: new USB bus registered, assigned bus number 1  
ehci\_hcd 00:0e.2: USB 2.0 enabled, EHCI 0.95, driver 2003-Dec-29/2.4  
hub.c: USB hub found  
hub.c: 4 ports detected  
usb-uhci.c: \$Revision: 1.275 \$ time 21:54:58 Aug 21 2004  
usb-uhci.c: High bandwidth mode enabled  
usb-uhci.c: USB UHCI at I/O 0x9000, IRQ 4  
usb-uhci.c: Detected 2 ports  
usb.c: new USB bus registered, assigned bus number 2  
hub.c: USB hub found  
hub.c: 2 ports detected

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```
usb-uhci.c: USB UHCI at I/O 0x8800, IRQ 3
usb-uhci.c: Detected 2 ports
usb.c: new USB bus registered, assigned bus number 3
hub.c: USB hub found
hub.c: 2 ports detected
usb-uhci.c: v1.275:USB Universal Host Controller Interface driver
usb.c: registered new driver hiddev
usb.c: registered new driver hid
hid-core.c: v1.8.1 Andreas Gal, Vojtech Pavlik <vojtech@suse.cz>
hid-core.c: USB HID support drivers
mice: PS/2 mouse device common for all mice
EXT3 FS 2.4-0.9.19, 19 August 2002 on ide2(33,6), internal journal
Adding Swap: 522104k swap-space (priority -1)
kjournald starting. Commit interval 5 seconds
EXT3 FS 2.4-0.9.19, 19 August 2002 on ide2(33,3), internal journal
EXT3-fs: mounted filesystem with ordered data mode.
MSDOS FS: IO charset iso8859-1
MSDOS FS: Using codepage 850
MSDOS FS: IO charset iso8859-1
MSDOS FS: Using codepage 850
IA-32 Microcode Update Driver: v1.14 <tigran@veritas.com>
microcode: CPU0 already at revision 0x8 (current=0x8)
microcode: No suitable data for cpu 0
ACPI: Processor [CPU0] (supports C1 C2, 16 throttling states)
ACPI: Power Button (FF) [PWRF]
parport0: PC-style at 0x378 [PCSPP,TRISTATE,EPP]
parport0: Printer, Hewlett-Packard HP LaserJet 5L
ip_tables: (C) 2000-2002 Netfilter core team
3c59x: Donald Becker and others. www.scyld.com/network/vortex.html
See Documentation/networking/vortex.txt
00:0b:0: 3Com PCI 3c905 Boomerang 100baseTx at 0xa000. Vers LK1.1.18-ac
00:60:08:6a:23:b5, IRQ 10
product code 4b4b rev 00.0 date 12-26-95
Internal config register is 16302d8, transceivers 0xe040.
8K word-wide RAM 3:5 Rx:Tx split, autoselect/MII interface.
MII transceiver found at address 24, status 786f.
Enabling bus-master transmits and whole-frame receives.
00:0b:0: scatter/gather enabled. h/w checksums disabled
eth0: Dropping NETIF_F_SG since no checksum feature.
ne2k-pci.c:v1.02 10/19/2000 D. Becker/P. Gortmaker
http://www.scyld.com/network/ne2k-pci.html
eth1: RealTek RTL-8029 found at 0xd000, IRQ 3, 00:00:21:CB:93:F4.
CSLIP: code copyright 1989 Regents of the University of California
PPP generic driver version 2.4.2
Vortex: init.... <6>done.
Aureal Vortex 2 3D Sound Processor: vortex latency is 0xff
parport0: PC-style at 0x378 [PCSPP,TRISTATE,EPP]
parport0: Printer, Hewlett-Packard HP LaserJet 5L
lp0: using parport0 (polling).
hub.c: new USB device 00:0e:1-2, assigned address 2
usb.c: USB device 2 (vend/prod 0xb86/0x5110) is not claimed by any active driver.
```

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```
SCSI subsystem driver Revision: 1.00
Initializing USB Mass Storage driver...
usb.c: registered new driver usb–storage
scsi0 : SCSI emulation for USB Mass Storage devices
usb.c: USB disconnect on device 00:0e.1–2 address 2
usb–uhci.c: interrupt, status 3, frame# 592
hub.c: new USB device 00:0e.1–2, assigned address 3
scsi: device set offline – not ready or command retry failed after bus reset: host 0 channel 0 id 0 lun 0
WARNING: USB Mass Storage data integrity not assured
USB Mass Storage device found at 2
USB Mass Storage support registered.
scsi1 : SCSI emulation for USB Mass Storage devices
usb–uhci.c: interrupt, status 3, frame# 1514
usb–uhci.c: interrupt, status 3, frame# 378
usb–uhci.c: interrupt, status 3, frame# 1292
usb–uhci.c: interrupt, status 3, frame# 157
usb–uhci.c: interrupt, status 3, frame# 1073
usb–uhci.c: interrupt, status 3, frame# 1986
usb–uhci.c: interrupt, status 3, frame# 852
usb–uhci.c: interrupt, status 3, frame# 1766
usb–uhci.c: interrupt, status 3, frame# 630
usb–uhci.c: interrupt, status 3, frame# 1544
scsi: device set offline – not ready or command retry failed after bus reset: host 1 channel 0 id 0 lun 0
WARNING: USB Mass Storage data integrity not assured
USB Mass Storage device found at 3
usb–uhci.c: interrupt, status 3, frame# 409
usb–uhci.c: interrupt, status 3, frame# 1323
usb–uhci.c: interrupt, status 3, frame# 188
usb–uhci.c: interrupt, status 3, frame# 1104
usb–uhci.c: interrupt, status 3, frame# 2016
usb–uhci.c: interrupt, status 3, frame# 882
usb–uhci.c: interrupt, status 3, frame# 1797
usb–uhci.c: interrupt, status 3, frame# 662
```

ksymoops 2.4.5 on i686 2.4.27. Options used

- V (default)
- k /proc/ksyms (default)
- l /proc/modules (default)
- o /lib/modules/2.4.27 (specified)
- m /boot/System.map–2.4.27 (default)

Error (expand\_objects): cannot stat(/lib/floppy.o) for floppy

Error (expand\_objects): cannot stat(/lib/ext3.o) for ext3

Error (expand\_objects): cannot stat(/lib/jbd.o) for jbd

Warning (map\_ksym\_to\_module): cannot match loaded module floppy to a unique module object. Trace may not be reliable.

Warning (map\_ksym\_to\_module): cannot match loaded module ext3 to a unique module object. Trace may not be reliable.

Unable to handle kernel paging request at virtual address e0ce6d90

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e0ce6d90  
CPU: 0  
EIP: 0010: [<e0ce6d90>] Not tainted  
Using defaults from ksymoops -t elf32-i386 -a i386  
EFLAGS: 00010286  
eax: dc3d5164 ebx: ffffffff ecx: dc100003 edx: ffffffff  
esi: 00000000 edi: deef44bc ebp: dc161eb0 esp: dc161e8c  
ds: 0018 es: 0018 ss: 0018  
Process modprobe: (pid: 2025, stackpage= dc161000)  
Stack: e0a389bf deef44bc deef44bc dc3d5164 df7b2440 dc3d5164 c1617ef0 c1617ed4  
      deef44bc dc161ee0 e0a38dd4 c1617ed4 deef44bc e0a37c70 dc161ed4 e0a37d1d  
      c1617e80 00000000 c1617ef0 00000001 c1617ed4 dc161f10 e0a38e77 c1617ed4  
Call Trace: [<e0a389bf>] [<e0a38dd4>] [<e0a37c70>] [<e0a37d1d>] [<e0a38e77>]  
          [<c010a818>] [<c010aa03>] [<e0aeb364>] [<c010d018>] [<e0aeb364>] [<c011ef09>]  
          [<c011ebf9>] [<c0108ea7>]  
Code: Bad EIP value

>>EIP; e0ce6d90 <[usb-storage]usb\_stor\_CBI\_irq+0/70> <=====

>>eax; dc3d5164 <\_end+1c082400/2068f2fc>  
>>ebx; ffffffff <END\_OF\_CODE+1f313520/????>  
>>ecx; dc100003 <\_end+1bdad29f/2068f2fc>  
>>edx; ffffffff <END\_OF\_CODE+1f313520/????>  
>>edi; deef44bc <\_end+1eba1758/2068f2fc>  
>>ebp; dc161eb0 <\_end+1be0f14c/2068f2fc>  
>>esp; dc161e8c <\_end+1be0f128/2068f2fc>

Trace; e0a389bf <[usb-uhci]process\_interrupt+21f/260>  
Trace; e0a38dd4 <[usb-uhci]process\_urb+254/260>  
Trace; e0a37c70 <[usb-uhci]rh\_int\_timer\_do+0/50>  
Trace; e0a37d1d <[usb-uhci]rh\_init\_int\_timer+5d/70>  
Trace; e0a38e77 <[usb-uhci]uhci\_interrupt+97/170>  
Trace; c010a818 <handle\_IRQ\_event+48/80>  
Trace; c010aa03 <do\_IRQ+83/f0>  
Trace; e0aeb364 <[ppp\_synctty].text.end+1c1/7dd>  
Trace; c010d018 <call\_do\_IRQ+5/d>  
Trace; e0aeb364 <[ppp\_synctty].text.end+1c1/7dd>  
Trace; c011ef09 <find\_module+29/50>  
Trace; c011ebf9 <sys\_query\_module+49/190>  
Trace; c0108ea7 <system\_call+33/38>

<0>Kernel panic: Aiee, killing interrupt handler!

2 warnings and 3 errors issued. Results may not be reliable.

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