

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-05/4619.html>

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Date: 05/23/04

To: linux-kernel@vger.kernel.org

Date: Sun, 23 May 104 13:08:26 +0200 (CEST)

>
> *Wilfried,*
>
> *Please post this ksymoops output to linux-kernel also.*
>
> *Thanks*
>
> [*Marcelo Tosatti <marcelo.tosatti@cyclades.com>*]

[1.] SCSI failure resulting in kernel panic

[2.] Full description of the problem/report:

When executing a disc-intensive command:

(cd /var/tmp/. ; tar -cf - .) | tar -xvf -

in a newly formatted partition on a scsi disc, where /var/tmp. resides on a IDE disc partition, results almost immediately in the following panic screen. Note: /var/tmp/. are on /dev/hda5, target partition is /dev/sdb1

Note: in previous experiment nothing was effectively transferred, this time 3210 kilobytes were transferred before failure.

(see earlier problem report using 2.4.26 kernel based setup).

Kernel 2.6.6 running in single user mode, more details on kernel config follow below.

Notes:

* hardware setup is new, recently moved the SCSI system from on older PC, where it worked well, to this one.

* it takes more than 10 seconds between detecting the Adaptec device and the two QUANTUM discs, the blank line in the boot message fragment below, seems a bit long.

scsi0 : Adaptec AIC7XXX EISA/VLB/PCI SCSI HBA DRIVER, Rev 6.2.36
<Adaptec 2940 Ultra2 SCSI adapter>
aic7890/91: Ultra2 Wide Channel A, SCSI Id=7, 32/253 SCBs

(scsi0:A:1): 40.000MB/s transfers (20.000MHz, offset 31, 16bit)

Vendor: QUANTUM Model: ATLAS 10K 9WLS Rev: UCH0

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Type: Direct–Access ANSI SCSI revision: 03
(scsi0:A:3): 40.000MB/s transfers (20.000MHz, offset 127, 16bit)
Vendor: QUANTUM Model: ATLAS10K3_18_WLS Rev: 020W
Type: Direct–Access ANSI SCSI revision: 03

Screendump follows. This kernel provides a more extensive call trace, causing the first few lines of the problem to go off screen.

```
=====
eax: 00000001 ebx: 00000007 ecx: 00000001 edx: 00000000
esi: 000000a0 edi: c1518400 ebp: c04abf1c esp: c04abe68
ds: 007b es: 007b ss: 0068
Process swapper (pid: 0, threadinfo=c04aa000 task=c040cd80)
Stack: c1518400 00000000 0000000d 00000001 00000041 00000001 c04abec0 c027d302
       000000dd 00000041 00000003 00000000 00000001 00000001 00000001 41410248
       00000000 00000000 00000007 00000003 df250008 00000003 00000000 c029fg41
```

Call Trace:

```
[<c027d302>] scsi_io_completion+0x1a4/0x467
[<c029fg41>] sd_media_changed+0x90/0xb2
[<c027878b>] scsi_finish_command+0x87/0xdc
[<c029bf04>] ahc_linux_isr+0x220/0x2a1
[<c0106213>] handle_IRQ_event+0x39/0x62
[<c01065c5>] do_IRQ+0xbe/0x197
[<c01049f4>] common_interrupt+0x18/0x20
[<c0102069>] default_idle+0x0/0x31
[<c0102095>] default_idle+0x2c/0x31
[<c0102108>] cpu_idle+0x3b/0x3f
[<c04ac87f>] start_kernel+0x188/0x1b8
[<c04ac454>] unknown_bootoption+0x0/0x108
```

Code: 8b 02 0f 66 40 1b 89 85 6c ff ff ff eg 64 ff ff ff c7 44 24

<0> Kernel panic: Fatal exception in interrupt

In interrupt handle – not syncing

[3.] Keywords (i.e., modules, networking, kernel):

Kernel compiled using the following config options file:

```
#
# Automatically generated make config: don't edit
#
CONFIG_X86=y
CONFIG_MMU=y
CONFIG_UID16=y
CONFIG_GENERIC_ISA_DMA=y

#
# Code maturity level options
#
# CONFIG_EXPERIMENTAL is not set
CONFIG_CLEAN_COMPILE=y
CONFIG_STANDALONE=y
```

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```
#
# General setup
#
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
CONFIG_BSD_PROCESS_ACCT=y
CONFIG_SYSCTL=y
# CONFIG_AUDIT is not set
CONFIG_LOG_BUF_SHIFT=15
CONFIG_HOTPLUG=y
CONFIG_IKCONFIG=y
# CONFIG_IKCONFIG_PROC is not set
# CONFIG_EMBEDDED is not set
CONFIG_KALLSYMS=y
CONFIG_FUTEX=y
CONFIG_EPOLL=y
CONFIG_IOSCHED_NOOP=y
CONFIG_IOSCHED_AS=y
CONFIG_IOSCHED_DEADLINE=y
CONFIG_IOSCHED_CFQ=y
# CONFIG_CC_OPTIMIZE_FOR_SIZE is not set

#
# Loadable module support
#
CONFIG_MODULES=y
CONFIG_MODULE_UNLOAD=y
CONFIG_OBSOLETE_MODPARM=y
CONFIG_KMOD=y
CONFIG_STOP_MACHINE=y

#
# Processor type and features
#
CONFIG_X86_PC=y
# CONFIG_X86_ELAN is not set
# CONFIG_X86_VOYAGER is not set
# CONFIG_X86_NUMAQ is not set
# CONFIG_X86_SUMMIT is not set
# CONFIG_X86_BIGSMP is not set
# CONFIG_X86_VISWS is not set
# CONFIG_X86_GENERICARCH is not set
# CONFIG_X86_ES7000 is not set
# CONFIG_M386 is not set
# CONFIG_M486 is not set
# CONFIG_M586 is not set
# CONFIG_M586TSC is not set
# CONFIG_M586MMX is not set
# CONFIG_M686 is not set
# CONFIG_MPENTIUMII is not set
# CONFIG_MPENTIUMIII is not set
```

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```
# CONFIG_MPENTIUMM is not set
CONFIG_MPENTIUM4=y
# CONFIG_MK6 is not set
# CONFIG_MK7 is not set
# CONFIG_MK8 is not set
# CONFIG_MCRUSOE is not set
# CONFIG_MWINCHIP6 is not set
# CONFIG_MWINCHIP2 is not set
# CONFIG_MWINCHIP3D is not set
# CONFIG_MCYRIXIII is not set
# CONFIG_MVIAC3_2 is not set
# CONFIG_X86_GENERIC is not set
CONFIG_X86_CMPXCHG=y
CONFIG_X86_XADD=y
CONFIG_X86_L1_CACHE_SHIFT=7
CONFIG_RWSEM_XCHGADD_ALGORITHM=y
CONFIG_X86_WP_WORKS_OK=y
CONFIG_X86_INVLPG=y
CONFIG_X86_BSWAP=y
CONFIG_X86_POPAD_OK=y
CONFIG_X86_GOOD_APIC=y
CONFIG_X86_INTEL_USERCOPY=y
CONFIG_X86_USE_PPRO_CHECKSUM=y
CONFIG_HPET_TIMER=y
# CONFIG_HPET_EMULATE_RTC is not set
CONFIG_SMP=y
CONFIG_NR_CPUS=4
CONFIG_PREEMPT=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_TSC=y
CONFIG_X86_MCE=y
CONFIG_X86_MCE_NONFATAL=y
CONFIG_X86_MCE_P4THERMAL=y
# CONFIG_TOSHIBA is not set
# CONFIG_I8K is not set
# CONFIG_MICROCODE is not set
# CONFIG_X86_MSR is not set
# CONFIG_X86_CPUID is not set

#
# Firmware Drivers
#
CONFIG_NOHIGHMEM=y
# CONFIG_HIGHMEM4G is not set
# CONFIG_HIGHMEM64G is not set
# CONFIG_MATH_EMULATION is not set
CONFIG_MTRR=y
# CONFIG_EFI is not set
CONFIG_IRQBALANCE=y
CONFIG_HAVE_DEC_LOCK=y
```

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```
#
# Power management options (ACPI, APM)
#
CONFIG_PM=y
# CONFIG_PM_DISK is not set

#
# ACPI (Advanced Configuration and Power Interface) Support
#
CONFIG_ACPI=y
CONFIG_ACPI_BOOT=y
CONFIG_ACPI_INTERPRETER=y
CONFIG_ACPI_AC=y
CONFIG_ACPI_BATTERY=y
CONFIG_ACPI_BUTTON=y
CONFIG_ACPI_FAN=y
CONFIG_ACPI_PROCESSOR=y
CONFIG_ACPI_THERMAL=y
# CONFIG_ACPI_ASUS is not set
# CONFIG_ACPI_TOSHIBA is not set
# CONFIG_ACPI_DEBUG is not set
CONFIG_ACPI_BUS=y
CONFIG_ACPI_EC=y
CONFIG_ACPI_POWER=y
CONFIG_ACPI_PCI=y
CONFIG_ACPI_SYSTEM=y

#
# APM (Advanced Power Management) BIOS Support
#
# CONFIG_APM is not set

#
# CPU Frequency scaling
#
# CONFIG_CPU_FREQ is not set

#
# Bus options (PCI, PCMCIA, EISA, MCA, ISA)
#
CONFIG_PCI=y
# CONFIG_PCI_GOBIO is not set
# CONFIG_PCI_GOMMCONFIG is not set
# CONFIG_PCI_GODIRECT is not set
CONFIG_PCI_GOANY=y
CONFIG_PCI_BIOS=y
CONFIG_PCI_DIRECT=y
CONFIG_PCI_MMCONFIG=y
# CONFIG_PCI_USE_VECTOR is not set
CONFIG_PCI_LEGACY_PROC=y
CONFIG_PCI_NAMES=y
```

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```
CONFIG_ISA=y
# CONFIG_EISA is not set
# CONFIG_MCA is not set
# CONFIG_SCx200 is not set

#
# PCMCIA/CardBus support
#
# CONFIG_PCMCIA is not set
CONFIG_PCMCIA_PROBE=y

#
# PCI Hotplug Support
#

#
# Executable file formats
#
CONFIG_BINFMT_ELF=y
CONFIG_BINFMT_AOUT=y
CONFIG_BINFMT_MISC=m

#
# Device Drivers
#

#
# Generic Driver Options
#
# CONFIG_FW_LOADER is not set

#
# Memory Technology Devices (MTD)
#
# CONFIG_MTD is not set

#
# Parallel port support
#
CONFIG_PARPORT=m
CONFIG_PARPORT_PC=m
CONFIG_PARPORT_PC_CML1=m
# CONFIG_PARPORT_SERIAL is not set
# CONFIG_PARPORT_OTHER is not set
CONFIG_PARPORT_1284=y

#
# Plug and Play support
#
CONFIG_PNP=y
# CONFIG_PNP_DEBUG is not set
```

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```
#
# Protocols
#
CONFIG_ISAPNP=y

#
# Block devices
#
CONFIG_BLK_DEV_FD=y
# CONFIG_BLK_DEV_XD is not set
# CONFIG_PARIDE is not set
# CONFIG_BLK_CPQ_DA is not set
# CONFIG_BLK_CPQ_CISS_DA is not set
# CONFIG_BLK_DEV_DAC960 is not set
CONFIG_BLK_DEV_LOOP=m
# CONFIG_BLK_DEV_CRYPTLOOP is not set
CONFIG_BLK_DEV_NBD=m
# CONFIG_BLK_DEV_CARMEL is not set
# CONFIG_BLK_DEV_RAM is not set
# CONFIG_LBD is not set

#
# ATA/ATAPI/MFM/RLL support
#
CONFIG_IDE=y
CONFIG_BLK_DEV_IDE=y

#
# Please see Documentation/ide.txt for help/info on IDE drives
#
# CONFIG_BLK_DEV_HD_IDE is not set
CONFIG_BLK_DEV_IDEDISK=y
CONFIG_IDEDISK_MULTI_MODE=y
# CONFIG_IDEDISK_STROKE is not set
CONFIG_BLK_DEV_IDECD=m
CONFIG_BLK_DEV_IDEFLOPPY=m
CONFIG_BLK_DEV_IDESCSI=m
# CONFIG_IDE_TASK_IOCTL is not set

#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=y
# CONFIG_BLK_DEV_CMD640 is not set
# CONFIG_BLK_DEV_IDEPNP is not set
CONFIG_BLK_DEV_IDEPCI=y
CONFIG_IDEPCI_SHARE_IRQ=y
# CONFIG_BLK_DEV_OFFBOARD is not set
CONFIG_BLK_DEV_GENERIC=y
# CONFIG_BLK_DEV_RZ1000 is not set
CONFIG_BLK_DEV_IDEDMA_PCI=y
```

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```
# CONFIG_BLK_DEV_IDEDMA_FORCED is not set
CONFIG_IDEDMA_PCI_AUTO=y
# CONFIG_IDEDMA_ONLYDISK is not set
CONFIG_BLK_DEV_ADMA=y
# CONFIG_BLK_DEV_AEC62XX is not set
# CONFIG_BLK_DEV_ALI15X3 is not set
# CONFIG_BLK_DEV_AMD74XX is not set
# CONFIG_BLK_DEV_ATIIXP is not set
# CONFIG_BLK_DEV_CMD64X is not set
# CONFIG_BLK_DEV_TRIFLEX is not set
# CONFIG_BLK_DEV_CY82C693 is not set
# CONFIG_BLK_DEV_CS5530 is not set
# CONFIG_BLK_DEV_HPT34X is not set
# CONFIG_BLK_DEV_HPT366 is not set
# CONFIG_BLK_DEV_SC1200 is not set
CONFIG_BLK_DEV_PIIX=y
# CONFIG_BLK_DEV_NS87415 is not set
# CONFIG_BLK_DEV_PDC202XX_OLD is not set
# CONFIG_BLK_DEV_PDC202XX_NEW is not set
# CONFIG_BLK_DEV_SVWKS is not set
# CONFIG_BLK_DEV_SIIMAGE is not set
CONFIG_BLK_DEV_SIS5513=y
# CONFIG_BLK_DEV_SLC90E66 is not set
# CONFIG_BLK_DEV_TRM290 is not set
# CONFIG_BLK_DEV_VIA82CXXX is not set
# CONFIG_IDE_CHIPSETS is not set
CONFIG_BLK_DEV_IDEDMA=y
# CONFIG_IDEDMA_IVB is not set
CONFIG_IDEDMA_AUTO=y
# CONFIG_BLK_DEV_HD is not set

#
# SCSI device support
#
CONFIG_SCSI=y
CONFIG_SCSI_PROC_FS=y

#
# SCSI support type (disk, tape, CD-ROM)
#
CONFIG_BLK_DEV_SD=y
# CONFIG_CHR_DEV_ST is not set
# CONFIG_CHR_DEV_OSST is not set
CONFIG_BLK_DEV_SR=m
# CONFIG_BLK_DEV_SR_VENDOR is not set
CONFIG_CHR_DEV_SG=y

#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
CONFIG_SCSI_MULTI_LUN=y
```

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```
CONFIG_SCSI_REPORT_LUNS=y
# CONFIG_SCSI_CONSTANTS is not set
CONFIG_SCSI_LOGGING=y

#
# SCSI Transport Attributes
#
# CONFIG_SCSI_SPI_ATTRS is not set
# CONFIG_SCSI_FC_ATTRS is not set

#
# SCSI low–level drivers
#
# CONFIG_BLK_DEV_3W_XXXX_RAID is not set
# CONFIG_SCSI_7000FASST is not set
# CONFIG_SCSI_ACARD is not set
# CONFIG_SCSI_AHA152X is not set
# CONFIG_SCSI_AHA1542 is not set
CONFIG_SCSI_AIC7XXX=y
CONFIG_AIC7XXX_CMDS_PER_DEVICE=32
CONFIG_AIC7XXX_RESET_DELAY_MS=15000
# CONFIG_AIC7XXX_BUILD_FIRMWARE is not set
CONFIG_AIC7XXX_DEBUG_ENABLE=y
CONFIG_AIC7XXX_DEBUG_MASK=0
CONFIG_AIC7XXX_REG_PRETTY_PRINT=y
# CONFIG_SCSI_AIC7XXX_OLD is not set
# CONFIG_SCSI_AIC79XX is not set
# CONFIG_SCSI_ADVANSYS is not set
# CONFIG_SCSI_IN2000 is not set
# CONFIG_SCSI_MEGARAID is not set
# CONFIG_SCSI_BUSLOGIC is not set
# CONFIG_SCSI_CPQFCTS is not set
# CONFIG_SCSI_DMX3191D is not set
# CONFIG_SCSI_DTC3280 is not set
# CONFIG_SCSI_EATA is not set
# CONFIG_SCSI_EATA_PIO is not set
# CONFIG_SCSI_FUTURE_DOMAIN is not set
# CONFIG_SCSI_GDTH is not set
# CONFIG_SCSI_GENERIC_NCR5380 is not set
# CONFIG_SCSI_GENERIC_NCR5380_MMIO is not set
# CONFIG_SCSI_IPS is not set
# CONFIG_SCSI_INIA100 is not set
# CONFIG_SCSI_PPA is not set
# CONFIG_SCSI_IMM is not set
# CONFIG_SCSI_NCR53C406A is not set
# CONFIG_SCSI_SYM53C8XX_2 is not set
# CONFIG_SCSI_PAS16 is not set
# CONFIG_SCSI_PSI240I is not set
# CONFIG_SCSI_QLOGIC_FAS is not set
# CONFIG_SCSI_QLOGIC_ISP is not set
# CONFIG_SCSI_QLOGIC_FC is not set
```

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```
# CONFIG_SCSI_QLOGIC_1280 is not set
CONFIG_SCSI_QLA2XXX=y
# CONFIG_SCSI_QLA21XX is not set
# CONFIG_SCSI_QLA22XX is not set
# CONFIG_SCSI_QLA2300 is not set
# CONFIG_SCSI_QLA2322 is not set
# CONFIG_SCSI_QLA6312 is not set
# CONFIG_SCSI_QLA6322 is not set
# CONFIG_SCSI_SYM53C416 is not set
# CONFIG_SCSI_DC390T is not set
# CONFIG_SCSI_T128 is not set
# CONFIG_SCSI_U14_34F is not set
# CONFIG_SCSI_ULTRASTOR is not set
# CONFIG_SCSI_NSP32 is not set
# CONFIG_SCSI_DEBUG is not set

#
# Old CD–ROM drivers (not SCSI, not IDE)
#
# CONFIG_CD_NO_IDESCSI is not set

#
# Multi–device support (RAID and LVM)
#
# CONFIG_MD is not set

#
# Fusion MPT device support
#
# CONFIG_FUSION is not set

#
# IEEE 1394 (FireWire) support
#
CONFIG_IEEE1394=m

#
# Subsystem Options
#
# CONFIG_IEEE1394_VERBOSEDEBUG is not set
# CONFIG_IEEE1394_OUI_DB is not set
# CONFIG_IEEE1394_EXTRA_CONFIG_ROMS is not set

#
# Device Drivers
#
# CONFIG_IEEE1394_PCILYNX is not set
CONFIG_IEEE1394_OHCI1394=m

#
# Protocol Drivers
```

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```
#
# CONFIG_IEEE1394_VIDEO1394 is not set
# CONFIG_IEEE1394_SBP2 is not set
# CONFIG_IEEE1394_DV1394 is not set
CONFIG_IEEE1394_RAWIO=m
CONFIG_IEEE1394_CMP=m
CONFIG_IEEE1394_AMDTP=m

#
# I2O device support
#
CONFIG_I2O=m
CONFIG_I2O_PCI=m
# CONFIG_I2O_BLOCK is not set
# CONFIG_I2O_SCSI is not set
CONFIG_I2O_PROC=m

#
# Networking support
#
CONFIG_NET=y

#
# Networking options
#
CONFIG_PACKET=y
# CONFIG_PACKET_MMAP is not set
# CONFIG_NETLINK_DEV is not set
CONFIG_UNIX=y
# CONFIG_NET_KEY is not set
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
# CONFIG_IP_ADVANCED_ROUTER is not set
# CONFIG_IP_PNP is not set
CONFIG_NET_IPIP=m
CONFIG_NET_IPGRE=m
# CONFIG_NET_IPGRE_BROADCAST is not set
# CONFIG_IP_MROUTE is not set
# CONFIG_SYN_COOKIES is not set
# CONFIG_INET_AH is not set
# CONFIG_INET_ESP is not set
# CONFIG_INET_IPCOMP is not set

#
# IP: Virtual Server Configuration
#
# CONFIG_IP_VS is not set
CONFIG_NETFILTER=y
# CONFIG_NETFILTER_DEBUG is not set
```

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```
#
# IP: Netfilter Configuration
#
CONFIG_IP_NF_CONNTRACK=y
# CONFIG_IP_NF_FTP is not set
# CONFIG_IP_NF_IRC is not set
# CONFIG_IP_NF_TFTP is not set
# CONFIG_IP_NF_AMANDA is not set
CONFIG_IP_NF_QUEUE=y
CONFIG_IP_NF_IPTABLES=y
CONFIG_IP_NF_MATCH_LIMIT=y
CONFIG_IP_NF_MATCH_IPRANGE=y
CONFIG_IP_NF_MATCH_MAC=y
CONFIG_IP_NF_MATCH_PKTTYPE=y
CONFIG_IP_NF_MATCH_MARK=y
CONFIG_IP_NF_MATCH_MULTIPORT=y
CONFIG_IP_NF_MATCH_TOS=y
CONFIG_IP_NF_MATCH_RECENT=y
CONFIG_IP_NF_MATCH_ECN=y
CONFIG_IP_NF_MATCH_DSCP=y
CONFIG_IP_NF_MATCH_AH_ESP=y
CONFIG_IP_NF_MATCH_LENGTH=y
CONFIG_IP_NF_MATCH_TTL=y
CONFIG_IP_NF_MATCH_TCPMSS=y
CONFIG_IP_NF_MATCH_HELPER=y
CONFIG_IP_NF_MATCH_STATE=y
CONFIG_IP_NF_MATCH_CONNTRACK=y
CONFIG_IP_NF_MATCH_OWNER=y
CONFIG_IP_NF_FILTER=y
CONFIG_IP_NF_TARGET_REJECT=y
CONFIG_IP_NF_NAT=y
CONFIG_IP_NF_NAT_NEEDED=y
CONFIG_IP_NF_TARGET_MASQUERADE=y
CONFIG_IP_NF_TARGET_REDIRECT=y
CONFIG_IP_NF_TARGET_NETMAP=y
CONFIG_IP_NF_TARGET_SAME=y
# CONFIG_IP_NF_NAT_LOCAL is not set
CONFIG_IP_NF_MANGLE=y
CONFIG_IP_NF_TARGET_TOS=y
CONFIG_IP_NF_TARGET_ECN=y
CONFIG_IP_NF_TARGET_DSCP=y
CONFIG_IP_NF_TARGET_MARK=y
CONFIG_IP_NF_TARGET_CLASSIFY=y
CONFIG_IP_NF_TARGET_LOG=y
CONFIG_IP_NF_TARGET_ULOG=y
CONFIG_IP_NF_TARGET_TCPMSS=y
CONFIG_IP_NF_ARPTABLES=y
CONFIG_IP_NF_ARPFILTER=y
CONFIG_IP_NF_ARP_MANGLE=y
# CONFIG_IP_NF_RAW is not set
CONFIG_XFRM=y
```

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```
# CONFIG_XFRM_USER is not set
# CONFIG_BRIDGE is not set
CONFIG_VLAN_8021Q=m
# CONFIG_DECNET is not set
# CONFIG_LLC2 is not set
# CONFIG_IPX is not set
# CONFIG_ATALK is not set

#
# QoS and/or fair queueing
#
# CONFIG_NET_SCHED is not set

#
# Network testing
#
# CONFIG_NET_PKTGEN is not set
# CONFIG_NETPOLL is not set
# CONFIG_NET_POLL_CONTROLLER is not set
# CONFIG_HAMRADIO is not set
# CONFIG_IRDA is not set
CONFIG_BT=m
# CONFIG_BT_L2CAP is not set
# CONFIG_BT_SCO is not set

#
# Bluetooth device drivers
#
# CONFIG_BT_HCIUSB is not set
# CONFIG_BT_HCIUART is not set
# CONFIG_BT_HCIBCM203X is not set
# CONFIG_BT_HCIBFUSB is not set
# CONFIG_BT_HCIVHCI is not set
CONFIG_NETDEVICES=y
CONFIG_DUMMY=m
# CONFIG_BONDING is not set
# CONFIG_EQUALIZER is not set
# CONFIG_TUN is not set
# CONFIG_NET_SB1000 is not set

#
# ARCnet devices
#
# CONFIG_ARCNET is not set

#
# Ethernet (10 or 100Mbit)
#
CONFIG_NET_ETHERNET=y
CONFIG_MII=y
# CONFIG_HAPPYMEAL is not set
```

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```
# CONFIG_SUNGEM is not set
# CONFIG_NET_VENDOR_3COM is not set
# CONFIG_LANCE is not set
# CONFIG_NET_VENDOR_SMC is not set
# CONFIG_NET_VENDOR_RACAL is not set

#
# Tulip family network device support
#
# CONFIG_NET_TULIP is not set
# CONFIG_DEPCA is not set
# CONFIG_HP100 is not set
# CONFIG_NET_ISA is not set
CONFIG_NET_PCI=y
# CONFIG_PCNET32 is not set
# CONFIG_AMD8111_ETH is not set
# CONFIG_ADAPTEC_STARFIRE is not set
# CONFIG_APRICOT is not set
# CONFIG_CS89x0 is not set
# CONFIG_DGRS is not set
# CONFIG_EEPRO100 is not set
# CONFIG_E100 is not set
# CONFIG_FEALNX is not set
# CONFIG_NATSEMI is not set
# CONFIG_NE2K_PCI is not set
CONFIG_8139TOO=y
CONFIG_8139TOO_PIO=y
# CONFIG_8139TOO_TUNE_TWISTER is not set
# CONFIG_8139TOO_8129 is not set
# CONFIG_8139_OLD_RX_RESET is not set
CONFIG_SIS900=y
# CONFIG_EPIC100 is not set
# CONFIG_SUNDANCE is not set
# CONFIG_TLAN is not set
# CONFIG_VIA_RHINE is not set
# CONFIG_NET_POCKET is not set

#
# Ethernet (1000 Mbit)
#
# CONFIG_ACENIC is not set
# CONFIG_DL2K is not set
# CONFIG_E1000 is not set
# CONFIG_NS83820 is not set
# CONFIG_HAMACHI is not set
# CONFIG_R8169 is not set
# CONFIG_SK98LIN is not set
# CONFIG_TIGON3 is not set

#
# Ethernet (10000 Mbit)
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
#
# CONFIG_IXGB is not set
# CONFIG_S2IO is not set

#
# Token Ring devices
#
# CONFIG_TR is not set

#
# Wireless LAN (non-hamradio)
#
# CONFIG_NET_RADIO is not set

#
# Wan interfaces
#
# CONFIG_WAN is not set
# CONFIG_FDDI is not set
CONFIG_PLIP=m
CONFIG_PPP=m
CONFIG_PPP_FILTER=y
# CONFIG_PPP_ASYNC is not set
# CONFIG_PPP_SYNC_TTY is not set
# CONFIG_PPP_DEFLATE is not set
# CONFIG_PPP_BSDCOMP is not set
CONFIG_SLIP=m
CONFIG_SLIP_COMPRESSED=y
# CONFIG_SLIP_SMART is not set
# CONFIG_SLIP_MODE_SLIP6 is not set
# CONFIG_NET_FC is not set

#
# ISDN subsystem
#
CONFIG_ISDN=m

#
# Old ISDN4Linux
#
# CONFIG_ISDN_I4L is not set

#
# CAPI subsystem
#
# CONFIG_ISDN_CAPI is not set

#
# Telephony Support
#
# CONFIG_PHONE is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
#
# Input device support
#
CONFIG_INPUT=y

#
# Userland interfaces
#
CONFIG_INPUT_MOUSEDEV=y
CONFIG_INPUT_MOUSEDEV_PSAUX=y
CONFIG_INPUT_MOUSEDEV_SCREEN_X=1024
CONFIG_INPUT_MOUSEDEV_SCREEN_Y=768
# CONFIG_INPUT_JOYDEV is not set
# CONFIG_INPUT_TSDEV is not set
# CONFIG_INPUT_EVDEV is not set
# CONFIG_INPUT_EVBUG is not set

#
# Input I/O drivers
#
# CONFIG_GAMEPORT is not set
CONFIG_SOUND_GAMEPORT=y
CONFIG_SERIO=y
CONFIG_SERIO_I8042=y
# CONFIG_SERIO_SERPORT is not set
# CONFIG_SERIO_CT82C710 is not set
# CONFIG_SERIO_PARKBD is not set
CONFIG_SERIO_PCIPS2=m

#
# Input Device Drivers
#
CONFIG_INPUT_KEYBOARD=y
CONFIG_KEYBOARD_ATKBD=y
# CONFIG_KEYBOARD_SUNKBD is not set
# CONFIG_KEYBOARD_LKKBD is not set
# CONFIG_KEYBOARD_XTKBD is not set
# CONFIG_KEYBOARD_NEWTON is not set
CONFIG_INPUT_MOUSE=y
CONFIG_MOUSE_PS2=y
# CONFIG_MOUSE_SERIAL is not set
# CONFIG_MOUSE_INPORT is not set
# CONFIG_MOUSE_LOGIBM is not set
# CONFIG_MOUSE_PC110PAD is not set
# CONFIG_MOUSE_VSXXXAA is not set
# CONFIG_INPUT_JOYSTICK is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
# CONFIG_INPUT_MISC is not set

#
# Character devices
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
#
CONFIG_VT=y
CONFIG_VT_CONSOLE=y
CONFIG_HW_CONSOLE=y
# CONFIG_SERIAL_NONSTANDARD is not set

#
# Serial drivers
#
CONFIG_SERIAL_8250=y
# CONFIG_SERIAL_8250_CONSOLE is not set
# CONFIG_SERIAL_8250_ACPI is not set
CONFIG_SERIAL_8250_NR_UARTS=4
# CONFIG_SERIAL_8250_EXTENDED is not set

#
# Non-8250 serial port support
#
CONFIG_SERIAL_CORE=y
CONFIG_UNIX98_PTYS=y
CONFIG_LEGACY_PTYS=y
CONFIG_LEGACY_PTY_COUNT=256
CONFIG_PRINTER=m
# CONFIG_LP_CONSOLE is not set
CONFIG_PPDEV=m
# CONFIG_TIPAR is not set
# CONFIG_QIC02_TAPE is not set

#
# IPMI
#
# CONFIG_IPMI_HANDLER is not set

#
# Watchdog Cards
#
# CONFIG_WATCHDOG is not set
# CONFIG_HW_RANDOM is not set
CONFIG_NVRAM=m
CONFIG_RTC=m
CONFIG_GEN_RTC=m
# CONFIG_GEN_RTC_X is not set
# CONFIG_DTLK is not set
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set

#
# Ftape, the floppy tape device driver
#
CONFIG_AGP=y
# CONFIG_AGP_ALI is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
# CONFIG_AGP_ATI is not set
# CONFIG_AGP_AMD is not set
# CONFIG_AGP_AMD64 is not set
CONFIG_AGP_INTEL=y
# CONFIG_AGP_INTEL_MCH is not set
# CONFIG_AGP_NVIDIA is not set
CONFIG_AGP_SIS=m
# CONFIG_AGP_SWWORKS is not set
# CONFIG_AGP_VIA is not set
# CONFIG_AGP_EFFICEON is not set
CONFIG_DRM=y
# CONFIG_DRM_TDFX is not set
# CONFIG_DRM_GAMMA is not set
# CONFIG_DRM_R128 is not set
# CONFIG_DRM_RADEON is not set
# CONFIG_DRM_I810 is not set
CONFIG_DRM_I830=y
# CONFIG_DRM_MGA is not set
CONFIG_DRM_SIS=m
# CONFIG_MWAVE is not set
# CONFIG_RAW_DRIVER is not set
# CONFIG_HANGCHECK_TIMER is not set

#
# I2C support
#
CONFIG_I2C=m
# CONFIG_I2C_CHARDEV is not set

#
# I2C Algorithms
#
# CONFIG_I2C_ALGOBIT is not set
# CONFIG_I2C_ALGOPCF is not set

#
# I2C Hardware Bus support
#
# CONFIG_I2C_PARPORT is not set
# CONFIG_I2C_PARPORT_LIGHT is not set
# CONFIG_SCx200_ACB is not set

#
# Hardware Sensors Chip support
#
# CONFIG_I2C_SENSOR is not set

#
# Other I2C Chip support
#
# CONFIG_I2C_DEBUG_CORE is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
# CONFIG_I2C_DEBUG_ALGO is not set
# CONFIG_I2C_DEBUG_BUS is not set
# CONFIG_I2C_DEBUG_CHIP is not set

#
# Misc devices
#
# CONFIG_IBM_ASM is not set

#
# Multimedia devices
#
# CONFIG_VIDEO_DEV is not set

#
# Digital Video Broadcasting Devices
#
# CONFIG_DVB is not set

#
# Graphics support
#
CONFIG_FB=y
# CONFIG_FB_PM2 is not set
# CONFIG_FB_CYBER2000 is not set
# CONFIG_FB_IMSTT is not set
# CONFIG_FB_VGA16 is not set
CONFIG_FB_VESA=y
# CONFIG_VIDEO_SELECT is not set
# CONFIG_FB_HGA is not set
# CONFIG_FB_RIVA is not set
# CONFIG_FB_MATROX is not set
# CONFIG_FB_RADEON_OLD is not set
# CONFIG_FB_RADEON is not set
# CONFIG_FB_ATY128 is not set
# CONFIG_FB_ATY is not set
# CONFIG_FB_SIS is not set
# CONFIG_FB_NEOMAGIC is not set
# CONFIG_FB_KYRO is not set
# CONFIG_FB_3DFX is not set
# CONFIG_FB_VOODOO1 is not set
# CONFIG_FB_TRIDENT is not set
# CONFIG_FB_VIRTUAL is not set

#
# Console display driver support
#
CONFIG_VGA_CONSOLE=y
# CONFIG_MDA_CONSOLE is not set
CONFIG_DUMMY_CONSOLE=y
CONFIG_FRAMEBUFFER_CONSOLE=y
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
CONFIG_PCI_CONSOLE=y
# CONFIG_FONTS is not set
CONFIG_FONT_8x8=y
CONFIG_FONT_8x16=y

#
# Logo configuration
#
CONFIG_LOGO=y
# CONFIG_LOGO_LINUX_MONO is not set
CONFIG_LOGO_LINUX_VGA16=y
# CONFIG_LOGO_LINUX_CLUT224 is not set

#
# Sound
#
CONFIG_SOUND=y

#
# Advanced Linux Sound Architecture
#
CONFIG_SND=y
CONFIG_SND_TIMER=y
CONFIG_SND_PCM=y
CONFIG_SND_HWDEP=m
CONFIG_SND_RAWMIDI=y
CONFIG_SND_SEQUENCER=y
# CONFIG_SND_SEQ_DUMMY is not set
CONFIG_SND_OSSEMUL=y
CONFIG_SND_MIXER_OSS=y
CONFIG_SND_PCM_OSS=y
CONFIG_SND_SEQUENCER_OSS=y
# CONFIG_SND_RTCTIMER is not set
# CONFIG_SND_VERBOSE_PRINTK is not set
# CONFIG_SND_DEBUG is not set

#
# Generic devices
#
CONFIG_SND_MPU401_UART=y
CONFIG_SND_OPL3_LIB=m
CONFIG_SND_DUMMY=m
CONFIG_SND_VIRMIDI=m
# CONFIG_SND_MTPAV is not set
CONFIG_SND_SERIAL_U16550=m
# CONFIG_SND_MPU401 is not set

#
# ISA devices
#
# CONFIG_SND_AD1816A is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
# CONFIG_SND_AD1848 is not set
# CONFIG_SND_CS4231 is not set
# CONFIG_SND_CS4232 is not set
# CONFIG_SND_CS4236 is not set
# CONFIG_SND_ES968 is not set
# CONFIG_SND_ES1688 is not set
# CONFIG_SND_ES18XX is not set
# CONFIG_SND_GUSCLASSIC is not set
# CONFIG_SND_GUSEXTREME is not set
# CONFIG_SND_GUSMAX is not set
# CONFIG_SND_INTERWAVE is not set
# CONFIG_SND_INTERWAVE_STB is not set
# CONFIG_SND_OPTI92X_AD1848 is not set
# CONFIG_SND_OPTI92X_CS4231 is not set
# CONFIG_SND_OPTI93X is not set
# CONFIG_SND_SB8 is not set
# CONFIG_SND_SB16 is not set
# CONFIG_SND_SBAWE is not set
# CONFIG_SND_WAVEFRONT is not set
# CONFIG_SND_ALS100 is not set
# CONFIG_SND_AZT2320 is not set
# CONFIG_SND_CMI8330 is not set
# CONFIG_SND_DT019X is not set
# CONFIG_SND_OPL3SA2 is not set
# CONFIG_SND_SGALAXY is not set
# CONFIG_SND_SSCAPE is not set
```

```
#
```

```
# PCI devices
```

```
#
```

```
CONFIG_SND_AC97_CODEC=y
# CONFIG_SND_ALI5451 is not set
# CONFIG_SND_ATIIXP is not set
# CONFIG_SND_AU8810 is not set
# CONFIG_SND_AU8820 is not set
# CONFIG_SND_AU8830 is not set
# CONFIG_SND_BT87X is not set
# CONFIG_SND_CS46XX is not set
# CONFIG_SND_CS4281 is not set
# CONFIG_SND_EMU10K1 is not set
# CONFIG_SND_KORG1212 is not set
# CONFIG_SND_MIXART is not set
# CONFIG_SND_NM256 is not set
# CONFIG_SND_RME32 is not set
# CONFIG_SND_RME96 is not set
# CONFIG_SND_RME9652 is not set
# CONFIG_SND_HDSP is not set
CONFIG_SND_TRIDENT=m
# CONFIG_SND_YMFPCI is not set
# CONFIG_SND_ALS4000 is not set
# CONFIG_SND_CMIPCI is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
# CONFIG_SND_ENS1370 is not set
# CONFIG_SND_ENS1371 is not set
# CONFIG_SND_ES1938 is not set
# CONFIG_SND_ES1968 is not set
# CONFIG_SND_MAESTRO3 is not set
# CONFIG_SND_FM801 is not set
# CONFIG_SND_ICE1712 is not set
# CONFIG_SND_ICE1724 is not set
CONFIG_SND_INTEL8X0=y
CONFIG_SND_SONICVIBES=m
# CONFIG_SND_VIA82XX is not set
# CONFIG_SND_VX222 is not set

#
# ALSA USB devices
#
CONFIG_SND_USB_AUDIO=m

#
# Open Sound System
#
# CONFIG_SOUND_PRIME is not set

#
# USB support
#
CONFIG_USB=y
# CONFIG_USB_DEBUG is not set

#
# Miscellaneous USB options
#
CONFIG_USB_DEVICEFS=y

#
# USB Host Controller Drivers
#
CONFIG_USB_EHCI_HCD=y
# CONFIG_USB_OHCI_HCD is not set
CONFIG_USB_UHCI_HCD=y

#
# USB Device Class drivers
#
# CONFIG_USB_AUDIO is not set

#
# USB Bluetooth TTY can only be used with disabled Bluetooth subsystem
#
# CONFIG_USB_MIDI is not set
# CONFIG_USB_ACM is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
CONFIG_USB_PRINTER=y
CONFIG_USB_STORAGE=y
# CONFIG_USB_STORAGE_DEBUG is not set
# CONFIG_USB_STORAGE_FREECOM is not set
# CONFIG_USB_STORAGE_ISD200 is not set
# CONFIG_USB_STORAGE_DPCM is not set

#
# USB Human Interface Devices (HID)
#
CONFIG_USB_HID=y
CONFIG_USB_HIDINPUT=y
# CONFIG_USB_HIDDEV is not set
# CONFIG_USB_AIPTEK is not set
# CONFIG_USB_WACOM is not set
# CONFIG_USB_KBTAB is not set
# CONFIG_USB_POWERMATE is not set
# CONFIG_USB_MTOUCH is not set
# CONFIG_USB_XPAD is not set
# CONFIG_USB_ATI_REMOTE is not set

#
# USB Imaging devices
#
# CONFIG_USB_MICROTEK is not set

#
# USB Multimedia devices
#
# CONFIG_USB_DABUSB is not set

#
# Video4Linux support is needed for USB Multimedia device support
#

#
# USB Network adaptors
#
# CONFIG_USB_KAWETH is not set
# CONFIG_USB_PEGASUS is not set
# CONFIG_USB_USBNET is not set

#
# USB port drivers
#
# CONFIG_USB_USS720 is not set

#
# USB Serial Converter support
#
# CONFIG_USB_SERIAL is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
#
# USB Miscellaneous drivers
#
# CONFIG_USB_EMI62 is not set
# CONFIG_USB_EMI26 is not set
# CONFIG_USB_TIGL is not set
# CONFIG_USB_LCD is not set
# CONFIG_USB_LED is not set
# CONFIG_USB_CYTHERM is not set

#
# USB Gadget Support
#
# CONFIG_USB_GADGET is not set

#
# File systems
#
CONFIG_EXT2_FS=y
# CONFIG_EXT2_FS_XATTR is not set
CONFIG_EXT3_FS=y
CONFIG_EXT3_FS_XATTR=y
# CONFIG_EXT3_FS_POSIX_ACL is not set
# CONFIG_EXT3_FS_SECURITY is not set
CONFIG_JBD=y
# CONFIG_JBD_DEBUG is not set
CONFIG_FS_MBCACHE=y
CONFIG_REISERFS_FS=m
# CONFIG_REISERFS_CHECK is not set
# CONFIG_REISERFS_PROC_INFO is not set
# CONFIG_JFS_FS is not set
# CONFIG_XFS_FS is not set
# CONFIG_MINIX_FS is not set
# CONFIG_ROMFS_FS is not set
# CONFIG_QUOTA is not set
# CONFIG_AUTOFS_FS is not set
CONFIG_AUTOFS4_FS=y

#
# CD-ROM/DVD Filesystems
#
CONFIG_ISO9660_FS=y
CONFIG_JOLIET=y
CONFIG_ZISOFS=y
CONFIG_ZISOFS_FS=y
CONFIG_UDF_FS=y

#
# DOS/FAT/NT Filesystems
#
CONFIG_FAT_FS=m
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
CONFIG_MSDOS_FS=m
CONFIG_VFAT_FS=m
CONFIG_NTFS_FS=m
# CONFIG_NTFS_DEBUG is not set
# CONFIG_NTFS_RW is not set

#
# Pseudo filesystems
#
CONFIG_PROC_FS=y
CONFIG_PROC_KCORE=y
CONFIG_SYSFS=y
# CONFIG_DEVPTS_FS_XATTR is not set
CONFIG_TMPFS=y
# CONFIG_HUGETLBFS is not set
# CONFIG_HUGETLB_PAGE is not set
CONFIG_RAMFS=y

#
# Miscellaneous filesystems
#
# CONFIG_HFSPLUS_FS is not set
# CONFIG_CRAMFS is not set
# CONFIG_VXFS_FS is not set
# CONFIG_HPFS_FS is not set
# CONFIG_QNX4FS_FS is not set
# CONFIG_SYSV_FS is not set
# CONFIG_UFS_FS is not set

#
# Network File Systems
#
CONFIG_NFS_FS=y
# CONFIG_NFS_V3 is not set
CONFIG_NFSD=y
CONFIG_NFSD_V3=y
CONFIG_LOCKD=y
CONFIG_LOCKD_V4=y
CONFIG_EXPORTFS=y
CONFIG_SUNRPC=y
CONFIG_SMB_FS=m
# CONFIG_SMB_NLS_DEFAULT is not set
CONFIG_CIFS=m
# CONFIG_NCP_FS is not set
CONFIG_CODA_FS=m
# CONFIG_CODA_FS_OLD_API is not set

#
# Partition Types
#
# CONFIG_PARTITION_ADVANCED is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
CONFIG_MSDOS_PARTITION=y

#
# Native Language Support
#
CONFIG_NLS=y
CONFIG_NLS_DEFAULT="iso8859-1"
CONFIG_NLS_CODEPAGE_437=y
# CONFIG_NLS_CODEPAGE_737 is not set
# CONFIG_NLS_CODEPAGE_775 is not set
CONFIG_NLS_CODEPAGE_850=y
# CONFIG_NLS_CODEPAGE_852 is not set
# CONFIG_NLS_CODEPAGE_855 is not set
# CONFIG_NLS_CODEPAGE_857 is not set
# CONFIG_NLS_CODEPAGE_860 is not set
# CONFIG_NLS_CODEPAGE_861 is not set
# CONFIG_NLS_CODEPAGE_862 is not set
# CONFIG_NLS_CODEPAGE_863 is not set
# CONFIG_NLS_CODEPAGE_864 is not set
# CONFIG_NLS_CODEPAGE_865 is not set
# CONFIG_NLS_CODEPAGE_866 is not set
# CONFIG_NLS_CODEPAGE_869 is not set
# CONFIG_NLS_CODEPAGE_936 is not set
# CONFIG_NLS_CODEPAGE_950 is not set
# CONFIG_NLS_CODEPAGE_932 is not set
# CONFIG_NLS_CODEPAGE_949 is not set
# CONFIG_NLS_CODEPAGE_874 is not set
# CONFIG_NLS_ISO8859_8 is not set
# CONFIG_NLS_CODEPAGE_1250 is not set
# CONFIG_NLS_CODEPAGE_1251 is not set
CONFIG_NLS_ISO8859_1=y
# CONFIG_NLS_ISO8859_2 is not set
# CONFIG_NLS_ISO8859_3 is not set
# CONFIG_NLS_ISO8859_4 is not set
# CONFIG_NLS_ISO8859_5 is not set
# CONFIG_NLS_ISO8859_6 is not set
# CONFIG_NLS_ISO8859_7 is not set
# CONFIG_NLS_ISO8859_9 is not set
# CONFIG_NLS_ISO8859_13 is not set
# CONFIG_NLS_ISO8859_14 is not set
# CONFIG_NLS_ISO8859_15 is not set
# CONFIG_NLS_KOI8_R is not set
# CONFIG_NLS_KOI8_U is not set
CONFIG_NLS_UTF8=y

#
# Kernel hacking
#
# CONFIG_DEBUG_KERNEL is not set
CONFIG_EARLY_PRINTK=y
# CONFIG_DEBUG_SPINLOCK_SLEEP is not set
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

```
CONFIG_FRAME_POINTER=y
# CONFIG_4KSTACKS is not set
CONFIG_X86_FIND_SMP_CONFIG=y
CONFIG_X86_MPPARSE=y

#
# Security options
#
CONFIG_SECURITY=y
# CONFIG_SECURITY_NETWORK is not set
CONFIG_SECURITY_CAPABILITIES=y
# CONFIG_SECURITY_ROOTPLUG is not set
# CONFIG_SECURITY_SELINUX is not set

#
# Cryptographic options
#
CONFIG_CRYPT=y
# CONFIG_CRYPT_HMAC is not set
CONFIG_CRYPT_NULL=m
CONFIG_CRYPT_MD4=m
CONFIG_CRYPT_MD5=m
CONFIG_CRYPT_SHA1=m
CONFIG_CRYPT_SHA256=m
CONFIG_CRYPT_SHA512=m
CONFIG_CRYPT_DES=m
CONFIG_CRYPT_BLOWFISH=m
CONFIG_CRYPT_TWOFISH=m
CONFIG_CRYPT_SERPENT=m
CONFIG_CRYPT_AES=m
CONFIG_CRYPT_CAST5=m
CONFIG_CRYPT_CAST6=m
CONFIG_CRYPT_ARC4=m
CONFIG_CRYPT_DEFLATE=m
CONFIG_CRYPT_MICHAEL_MIC=m
CONFIG_CRYPT_CRC32C=m
# CONFIG_CRYPT_TEST is not set

#
# Library routines
#
CONFIG_CRC32=y
CONFIG_LIBCRC32C=m
CONFIG_ZLIB_INFLATE=y
CONFIG_ZLIB_DEFLATE=m
CONFIG_X86_SMP=y
CONFIG_X86_HT=y
CONFIG_X86_BIOS_REBOOT=y
CONFIG_X86_TRAMPOLINE=y
CONFIG_X86_STD_RESOURCES=y
CONFIG_PC=y
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

[4.] Kernel version (from /proc/version):

Linux version 2.6.6 (system@palantir) (gcc version 3.3.3) #3 SMP Sat May 22 09:15:39 CEST 2004

[5.] Output of Oops.. message (if applicable) with symbolic information

resolved (see Documentation/oops–tracing.txt)

[6.] A small shell script or example program which triggers the problem (if possible)

as earlier:

```
( cd /var/tmp/. ; tar –cf – . ) | tar –xvf –
```

from /var/tmp/. on IDE disc partition to current on scsi disc partition /dev/sdb1

[7.] Environment

[7.1.] Software (add the output of the ver_linux script here)

If some fields are empty or look unusual you may have an old version.

Compare to the current minimal requirements in Documentation/Changes.

Linux palantir 2.6.6 #3 SMP Sat May 22 09:15:39 CEST 2004 i686 unknown

Gnu C 3.2.3

Gnu make 3.80

binutils 2.14.90.0.5

util–linux 2.12

mount 2.12

module–init–tools 3.0

e2fsprogs 1.34

reiserfsprogs 3.6.8

pcmcia–cs 3.2.4

quota–tools 3.08.

PPP 2.4.1

nfs–utils 1.0.5

Linux C Library 2.3.2

Dynamic linker (ld) 2.3.2

Linux C++ Library 5.0.3

Procps 2.0.14

Net–tools 1.60

Kbd 1.08

Sh–utils 2.0

Modules Loaded sr_mod cdrom ide_scsi rtc reiserfs

[7.2.] Processor information (from /proc/cpuinfo):

processor : 0

vendor_id : GenuineIntel

cpu family : 15

model : 2

model name : Intel(R) Pentium(R) 4 CPU 2.80GHz

stepping : 7

cpu MHz : 2810.825

cache size : 512 KB

physical id : 0

siblings : 1

fdiv_bug : no

hlt_bug : no

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

f00f_bug : no
coma_bug : no
fpu : yes
fpu_exception : yes
cpuid level : 2
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts acpi
mmx fxsr sse sse2 ss ht tm pbe cid
bogomips : 5554.17

[7.3.] Module information (from /proc/modules):

sr_mod 14372 0 – Live 0xe0a5b000
cdrom 36384 1 sr_mod, Live 0xe0a61000
ide_scsi 14596 2 – Live 0xe0a4a000
rtc 11976 0 – Live 0xe0a46000
reiserfs 222448 3 – Live 0xe08e6000

[7.4.] Loaded driver and hardware information (/proc/ioports, /proc/iomem)

ioports:
0000–001f : dma1
0020–0021 : pic1
0040–005f : timer
0060–006f : keyboard
0070–0077 : rtc
0080–008f : dma page reg
00a0–00a1 : pic2
00c0–00df : dma2
00f0–00ff : fpu
0170–0177 : ide1
01f0–01f7 : ide0
02f8–02ff : serial
0376–0376 : ide1
03c0–03df : vga+
03f6–03f6 : ide0
03f8–03ff : serial
0c00–0c1f : 0000:00:02.1
0cf8–0cff : PCI conf1
a000–afff : PCI Bus #01
 a800–a8ff : 0000:01:00.0
cc00–cc7f : 0000:00:08.0
d000–d0ff : 0000:00:04.0
 d000–d0ff : sis900
d400–d47f : 0000:00:02.7
 d400–d43f : SiS SI7012 – Controller
d800–d8ff : 0000:00:02.7
 d800–d8ff : SiS SI7012 – AC'97
dc00–dcff : 0000:00:06.0
ff00–ff0f : 0000:00:02.5
 ff00–ff07 : ide0
 ff08–ff0f : ide1

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

iomem:

```
00000000–0009fbff : System RAM
0009fc00–0009ffff : reserved
000a0000–000bffff : Video RAM area
000c0000–000ccfff : Video ROM
000cd000–000d27ff : Adapter ROM
000f0000–000ffff : System ROM
00100000–1ffeffff : System RAM
  00100000–0039c7ea : Kernel code
  0039c7eb–004a847f : Kernel data
1fff0000–1fff7fff : ACPI Tables
1fff8000–1fffffff : ACPI Non–volatile Storage
bf200000–df3ffff : PCI Bus #01
  c8000000–cfffffff : 0000:01:00.1
  d0000000–d7ffff : 0000:01:00.0
df500000–df6ffff : PCI Bus #01
  df6e0000–df6effff : 0000:01:00.1
  df6f0000–df6ffff : 0000:01:00.0
df800000–dfbffff : 0000:00:09.0
dff9800–dff99ff : 0000:00:08.0
dfffa000–dffaffff : 0000:00:04.0
  dfffa000–dffaffff : sis900
dfffb000–dfffbfff : 0000:00:03.0
dfffc000–dfffcfff : 0000:00:03.1
dfffd000–dfffdfff : 0000:00:03.2
dfffe000–dfffefff : 0000:00:03.3
  dfffe000–dfffefff : ehci_hcd
dffff000–dffffff : 0000:00:06.0
  dffff000–dffffff : aic7xxx
e0000000–e3ffff : 0000:00:00.0
fec00000–fecffff : reserved
fee00000–feeffff : reserved
ffe00000–fff0ffe : reserved
ffc00000–fffffff : reserved
```

[7.5.] PCI information ('lspci –vvv' as root)

```
00:00.0 Host bridge: Silicon Integrated Systems [SiS] SiS645 Host & Memory & AGP Controller (rev 02)
  Control: I/O+ Mem+ BusMaster+ SpecCycle– MemWINV– VGASnoop– ParErr– Stepping– SERR–
FastB2B–
```

```
  Status: Cap+ 66Mhz– UDF– FastB2B– ParErr– DEVSEL=medium >TAbort– <TAbort– <MAbort+
>SERR– <PERR–
```

```
  Latency: 32
```

```
  Region 0: Memory at e0000000 (32–bit, non–prefetchable) [size=64M]
```

```
  Capabilities: [c0] AGP version 2.0
```

```
  Status: RQ=32 Iso– ArqSz=0 Cal=0 SBA+ ITACoh– GART64– HTrans– 64bit– FW+ AGP3–
Rate=x1,x2,x4
```

```
  Command: RQ=1 ArqSz=0 Cal=0 SBA– AGP– GART64– 64bit– FW– Rate=<none>
```

```
00:01.0 PCI bridge: Silicon Integrated Systems [SiS] SiS 530 Virtual PCI–to–PCI bridge (AGP) (prog–if 00
[Normal decode])
```

```
  Control: I/O+ Mem+ BusMaster+ SpecCycle– MemWINV– VGASnoop– ParErr– Stepping– SERR+
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux-Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

FastB2B-

Status: Cap- 66Mhz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Latency: 64

Bus: primary=00, secondary=01, subordinate=02, sec-latency=0

I/O behind bridge: 0000a000-0000afff

Memory behind bridge: df500000-df6fffff

Prefetchable memory behind bridge: bf200000-df3fffff

BridgeCtl: Parity- SERR+ NoISA- VGA+ MAbort- >Reset- FastB2B-

00:02.0 ISA bridge: Silicon Integrated Systems [SiS] SiS962 [MuTIOL Media IO] (rev 04)

Control: I/O+ Mem+ BusMaster+ SpecCycle+ MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-

Status: Cap- 66Mhz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Latency: 0

00:02.1 SMBus: Silicon Integrated Systems [SiS]: Unknown device 0016

Control: I/O+ Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-

Status: Cap- 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Interrupt: pin B routed to IRQ 17

Region 4: I/O ports at 0c00 [size=32]

00:02.5 IDE interface: Silicon Integrated Systems [SiS] 5513 [IDE] (prog-if 80 [Master])

Subsystem: Silicon Integrated Systems [SiS] SiS5513 EIDE Controller (A,B step)

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-

Status: Cap- 66Mhz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Latency: 128

Region 4: I/O ports at ff00 [size=16]

00:02.7 Multimedia audio controller: Silicon Integrated Systems [SiS] SiS7012 PCI Audio Accelerator (rev a0)

Subsystem: Micro-Star International Co., Ltd.: Unknown device 7370

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR+
FastB2B-

Status: Cap+ 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Latency: 64 (13000ns min, 2750ns max)

Interrupt: pin C routed to IRQ 18

Region 0: I/O ports at d800 [size=256]

Region 1: I/O ports at d400 [size=128]

Capabilities: [48] Power Management version 2

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=55mA PME(D0-,D1-,D2-,D3hot+,D3cold+)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:03.0 USB Controller: Silicon Integrated Systems [SiS] SiS7001 USB Controller (rev 0f) (prog-if 10 [OHCI])

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Subsystem: Micro–Star International Co., Ltd.: Unknown device 7370
Control: I/O+ Mem+ BusMaster+ SpecCycle– MemWINV+ VGASnoop– ParErr– Stepping– SERR+ FastB2B–
Status: Cap– 66Mhz– UDF– FastB2B+ ParErr– DEVSEL=medium >TAbort– <TAbort– <MAbort– >SERR– <PERR–
Latency: 64 (20000ns max), cache line size 08
Interrupt: pin A routed to IRQ 20
Region 0: Memory at dfffb000 (32–bit, non–prefetchable) [size=4K]

00:03.1 USB Controller: Silicon Integrated Systems [SiS] SiS7001 USB Controller (rev 0f) (prog–if 10 [OHCI])

Subsystem: Micro–Star International Co., Ltd.: Unknown device 7370
Control: I/O+ Mem+ BusMaster+ SpecCycle– MemWINV+ VGASnoop– ParErr– Stepping– SERR+ FastB2B–
Status: Cap– 66Mhz– UDF– FastB2B+ ParErr– DEVSEL=medium >TAbort– <TAbort– <MAbort– >SERR– <PERR–
Latency: 64 (20000ns max), cache line size 08
Interrupt: pin B routed to IRQ 21
Region 0: Memory at dfffc000 (32–bit, non–prefetchable) [size=4K]

00:03.2 USB Controller: Silicon Integrated Systems [SiS] SiS7001 USB Controller (rev 0f) (prog–if 10 [OHCI])

Subsystem: Micro–Star International Co., Ltd.: Unknown device 7370
Control: I/O+ Mem+ BusMaster+ SpecCycle– MemWINV+ VGASnoop– ParErr– Stepping– SERR+ FastB2B–
Status: Cap– 66Mhz– UDF– FastB2B+ ParErr– DEVSEL=medium >TAbort– <TAbort– <MAbort– >SERR– <PERR–
Latency: 64 (20000ns max), cache line size 08
Interrupt: pin C routed to IRQ 22
Region 0: Memory at dfffd000 (32–bit, non–prefetchable) [size=4K]

00:03.3 USB Controller: Silicon Integrated Systems [SiS] SiS7002 USB 2.0 (prog–if 20 [EHCI])

Subsystem: Micro–Star International Co., Ltd.: Unknown device 5470
Control: I/O– Mem+ BusMaster+ SpecCycle– MemWINV– VGASnoop– ParErr– Stepping– SERR+ FastB2B–
Status: Cap+ 66Mhz– UDF– FastB2B+ ParErr– DEVSEL=medium >TAbort– <TAbort– <MAbort– >SERR– <PERR–
Latency: 64 (20000ns max)
Interrupt: pin D routed to IRQ 23
Region 0: Memory at dfffe000 (32–bit, non–prefetchable) [size=4K]
Capabilities: [50] Power Management version 2
Flags: PMEClk– DSI– D1– D2– AuxCurrent=375mA PME(D0+,D1–,D2–,D3hot+,D3cold+)
Status: D0 PME–Enable– DSel=0 DScale=0 PME–

00:04.0 Ethernet controller: Silicon Integrated Systems [SiS] SiS900 10/100 Ethernet (rev 90)

Subsystem: Micro–Star International Co., Ltd.: Unknown device 7370
Control: I/O+ Mem+ BusMaster+ SpecCycle– MemWINV– VGASnoop– ParErr– Stepping– SERR+ FastB2B–
Status: Cap+ 66Mhz– UDF– FastB2B+ ParErr– DEVSEL=medium >TAbort– <TAbort– <MAbort– >SERR– <PERR–
Latency: 64 (13000ns min, 2750ns max)

Linux-Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Interrupt: pin A routed to IRQ 19

Region 0: I/O ports at d000 [size=256]

Region 1: Memory at dffa000 (32-bit, non-prefetchable) [size=4K]

Expansion ROM at dffa0000 [disabled] [size=128K]

Capabilities: [40] Power Management version 2

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:06.0 SCSI storage controller: Adaptec AHA-2940U2/U2W

Subsystem: Adaptec AHA-2940U2W SCSI Controller

Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV+ VGASnoop- ParErr- Stepping- SERR+ FastB2B-

Status: Cap+ 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64 (9750ns min, 6250ns max), cache line size 08

Interrupt: pin A routed to IRQ 17

BIST result: 00

Region 0: I/O ports at dc00 [disabled] [size=256]

Region 1: Memory at dffff000 (64-bit, non-prefetchable) [size=4K]

Expansion ROM at dffc0000 [disabled] [size=128K]

Capabilities: [dc] Power Management version 1

Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:08.0 FireWire (IEEE 1394): VIA Technologies, Inc. IEEE 1394 Host Controller (rev 46) (prog-if 10 [OHCI])

Subsystem: VIA Technologies, Inc. IEEE 1394 Host Controller

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV+ VGASnoop- ParErr- Stepping- SERR+ FastB2B-

Status: Cap+ 66Mhz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64 (8000ns max), cache line size 08

Interrupt: pin A routed to IRQ 19

Region 0: Memory at dfff9800 (32-bit, non-prefetchable) [size=2K]

Region 1: I/O ports at cc00 [size=128]

Capabilities: [50] Power Management version 2

Flags: PMEClk- DSI- D1- D2+ AuxCurrent=0mA PME(D0-,D1-,D2+,D3hot+,D3cold+)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:09.0 Communication controller: Intel Corp. 536EP Data Fax Modem

Subsystem: Intel Corp.: Unknown device 1000

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV+ VGASnoop- ParErr- Stepping- SERR+ FastB2B-

Status: Cap+ 66Mhz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64, cache line size 08

Interrupt: pin A routed to IRQ 16

Region 0: Memory at df800000 (32-bit, non-prefetchable) [size=4M]

Capabilities: [e0] Power Management version 2

Flags: PMEClk- DSI- D1- D2+ AuxCurrent=375mA PME(D0-,D1-,D2+,D3hot+,D3cold+)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux-Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

01:00.0 VGA compatible controller: ATI Technologies Inc: Unknown device 5961 (rev 01) (prog-if 00 [VGA])

Subsystem: Hightech Information System Ltd.: Unknown device 200c

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR+ FastB2B-

Status: Cap+ 66Mhz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64 (2000ns min), cache line size 08

Interrupt: pin A routed to IRQ 16

Region 0: Memory at d0000000 (32-bit, prefetchable) [size=128M]

Region 1: I/O ports at a800 [size=256]

Region 2: Memory at df6f0000 (32-bit, non-prefetchable) [size=64K]

Expansion ROM at df6c0000 [disabled] [size=128K]

Capabilities: [58] AGP version 2.0

Status: RQ=80 Iso- ArqSz=0 Cal=0 SBA+ ITACoh- GART64- HTrans- 64bit- FW+ AGP3- Rate=x1,x2,x4

Command: RQ=1 ArqSz=0 Cal=0 SBA+ AGP- GART64- 64bit- FW- Rate=<none>

Capabilities: [50] Power Management version 2

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

01:00.1 Display controller: ATI Technologies Inc: Unknown device 5941 (rev 01)

Subsystem: Hightech Information System Ltd.: Unknown device 200d

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap+ 66Mhz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64 (2000ns min), cache line size 08

Region 0: Memory at c8000000 (32-bit, prefetchable) [size=128M]

Region 1: Memory at df6e0000 (32-bit, non-prefetchable) [size=64K]

Capabilities: [50] Power Management version 2

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

[7.6.] SCSI information (from /proc/scsi/scsi)

Attached devices:

Host: scsi0 Channel: 00 Id: 01 Lun: 00

Vendor: QUANTUM Model: ATLAS 10K 9WLS Rev: UCH0

Type: Direct-Access ANSI SCSI revision: 03

Host: scsi0 Channel: 00 Id: 03 Lun: 00

Vendor: QUANTUM Model: ATLAS10K3_18_WLS Rev: 020W

Type: Direct-Access ANSI SCSI revision: 03

Host: scsi1 Channel: 00 Id: 00 Lun: 00

Vendor: ICSI Model: CF Card CF Rev: 1.2F

Type: Direct-Access ANSI SCSI revision: 02

Host: scsi1 Channel: 00 Id: 00 Lun: 01

Vendor: ICSI Model: MS Card MS Rev: 1.2F

Type: Direct-Access ANSI SCSI revision: 02

Host: scsi1 Channel: 00 Id: 00 Lun: 02

Vendor: ICSI Model: SD Card MMC/SD Rev: 1.2F

Type: Direct-Access ANSI SCSI revision: 02

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Host: scsi1 Channel: 00 Id: 00 Lun: 03
Vendor: ICSI Model: SM Rev: 1.2F
Type: Direct–Access ANSI SCSI revision: 02
Host: scsi2 Channel: 00 Id: 00 Lun: 00
Vendor: MATSHITA Model: DVD–ROM SR–8588 Rev: 7Z14
Type: CD–ROM ANSI SCSI revision: 02
Host: scsi3 Channel: 00 Id: 00 Lun: 00
Vendor: MATSHITA Model: DVD–RAM SW–9581 Rev: B100
Type: CD–ROM ANSI SCSI revision: 02

[7.7.] Other information that might be relevant to the problem
(please look in /proc and include all information that you
think to be relevant):

nm output for kernel:

```
-----  
00100000 T startup_32  
00100082 t move_routine_start  
001000a7 t move_routine_end  
001000a8 t huft_build  
00100695 t huft_free  
001006bf t inflate_codes  
00100ab2 t inflate_stored  
00100c5a t inflate_fixed  
00100df9 t inflate_dynamic  
001014df t inflate_block  
001015dc t inflate  
0010167c t makecrc  
00101704 t gunzip  
00101d63 t malloc  
00101dd0 t free  
00101dd5 t gzip_mark  
00101de5 t gzip_release  
00101df4 t scroll  
00101e5f t putstr  
00101f17 t memset  
00101f37 t memcpy  
00101f5f t fill_inbuf  
00101fa5 t flush_window_low  
0010201e t flush_window_high  
0010209c t flush_window  
001020b4 t error  
001020df t setup_normal_output_buffer  
00102129 t setup_output_buffer_if_we_run_high  
001021e8 t close_output_buffer_if_we_run_high  
00102223 T decompress_kernel  
00102300 r border  
00102360 r cplens  
001023a0 r cplext  
001023e0 r cpdist  
00102420 r cpdext
```

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

00102460 r mask_bits
00102484 r lbits
00102488 r dbits
001024a0 r p.0
00103000 d free_mem_ptr
00103004 d vidmem
00103008 D stack_start
00103010 D input_len
00103014 D _binary_arch_i386_boot_compressed_vmlinux_bin_gz_start
00103014 D input_data
001cc50a A _binary_arch_i386_boot_compressed_vmlinux_bin_gz_size
002cf51e A __bss_start
002cf51e A _edata
002cf51e D _binary_arch_i386_boot_compressed_vmlinux_bin_gz_end
002cf51e D input_data_end
002cf520 b insize
002cf524 b inptr
002cf528 b outcnt
002cf52c b bytes_out
002cf530 b output_ptr
002cf534 b high_loaded
002cf538 b inbuf
002cf540 b window
002d7540 b real_mode
002d7544 b output_data
002d7548 b free_mem_end_ptr
002d754c b low_buffer_end
002d7550 b low_buffer_size
002d7554 b high_buffer_start
002d7558 b vidport
002d755c b lines
002d7560 b cols
002d7564 b bb
002d7568 b bk
002d756c b hufts
002d7580 b crc_32_tab
002d7980 b crc
002d79a0 B user_stack
002db9a0 A _end
002db9a0 A end

Output from dmesg during boot.

SiS645XX 0x00001000 MSFT 0x0100000b) @ 0x1fff00c0
ACPI: DSDT (v001 SiS 645 0x00001000 MSFT 0x0100000d) @ 0x00000000
ACPI: Local APIC address 0xfec00000
ACPI: LAPIC (acpi_id[0x01] lapic_id[0x00] enabled)
Processor #0 15:2 APIC version 20
ACPI: IOAPIC (id[0x02] address[0xfec00000] global_irq_base[0x0])
IOAPIC[0]: Assigned apic_id 2

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

IOAPIC[0]: apic_id 2, version 17, address 0xfec00000, GSI 0–23
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl dfl)
ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 low level)
Enabling APIC mode: Flat. Using 1 I/O APICs
Using ACPI (MADT) for SMP configuration information
Built 1 zonelists
Kernel command line: auto BOOT_IMAGE=Linux2.6.6 ro root=301 ramdisk=0 hdc=ide–scsi hdd=ide–scsi
acpismmp=force
ide_setup: hdc=ide–scsi
ide_setup: hdd=ide–scsi
Initializing CPU#0
PID hash table entries: 2048 (order 11: 16384 bytes)
Detected 2810.825 MHz processor.
Using tsc for high–res timesource
Console: colour VGA+ 80x25
Memory: 514952k/524224k available (2673k kernel code, 8512k reserved, 1071k data, 204k init, 0k
highmem)
Checking if this processor honours the WP bit even in supervisor mode... Ok.
Calibrating delay loop... 5554.17 BogoMIPS
Security Scaffold v1.0.0 initialized
Capability LSM initialized
Dentry cache hash table entries: 65536 (order: 6, 262144 bytes)
Inode–cache hash table entries: 32768 (order: 5, 131072 bytes)
Mount–cache hash table entries: 512 (order: 0, 4096 bytes)
CPU: After generic identify, caps: bfebfbff 00000000 00000000 00000000
CPU: After vendor identify, caps: bfebfbff 00000000 00000000 00000000
CPU: Trace cache: 12K uops, L1 D cache: 8K
CPU: L2 cache: 512K
CPU: Hyper–Threading is disabled
CPU: After all inits, caps: bfebfbff 00000000 00000000 00000080
Intel machine check architecture supported.
Intel machine check reporting enabled on CPU#0.
CPU#0: Intel P4/Xeon Extended MCE MSR (12) available
CPU#0: Thermal monitoring enabled
Enabling fast FPU save and restore... done.
Enabling unmasked SIMD FPU exception support... done.
Checking 'hlt' instruction... OK.
POSIX conformance testing by UNIFIX
CPU0: Intel(R) Pentium(R) 4 CPU 2.80GHz stepping 07
per–CPU timeslice cutoff: 1462.78 usecs.
task migration cache decay timeout: 2 msecs.
enabled ExtINT on CPU#0
ESR value before enabling vector: 00000000
ESR value after enabling vector: 00000000
Total of 1 processors activated (5554.17 BogoMIPS).
ENABLING IO–APIC IRQs
init IO_APIC IRQs
IO–APIC (apic–pin) 2–0, 2–16, 2–17, 2–18, 2–19, 2–20, 2–21, 2–22, 2–23 not connected.
..TIMER: vector=0x31 pin1=2 pin2=–1
Using local APIC timer interrupts.
calibrating APIC timer ...

PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

Linux–Kernel: PROBLEM: SCSI failure resulting in kernel panic – also 2.6.6 kernel

..... CPU clock speed is 2809.0691 MHz.

..... host bus clock speed is 133.0794 MHz.

Brought up 1 CPUs

NET: Registered protocol family 16

PCI: PCI BIOS revision 2.10 entry at 0xfdb31, last bus=2

PCI: Using configuration type 1