

## ide taskfile and cdrom hang

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-01/7791.html>

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We have some test machines here at OSDL that have a problem with the ide cdrom driver hanging when we cat the /proc/ide/hda/identify file. After 30 seconds the console displays: "hda: lost interrupt" which reoccurs every 30 seconds forever. We noticed it on 2.6.2-rc2-mm1 but It looks like this has been a problem for a while. Our test machines just changed their configuration to use make defconfig. I found that if CONFIG\_IDE\_TASKFILE\_IO is N then the hang doesn't occur. Is this a common problem or are there just certain drives that won't work with taskfile i/o enabled? I've included my .config, lspci as attachments. The cdrom model is CD-224E.

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```
#
# 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=y
CONFIG_CLEAN_COMPILE=y
# CONFIG_STANDALONE is not set

#
# General setup
#
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
# CONFIG_BSD_PROCESS_ACCT is not set
```

## Linux–Kernel: ide taskfile and cdrom hang

```
CONFIG_SYSCTL=y
CONFIG_LOG_BUF_SHIFT=15
# CONFIG_IKCONFIG 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_MODULE_FORCE_UNLOAD is not set
CONFIG_OBSOLETE_MODPARM=y
# CONFIG_MODVERSIONS is not set
CONFIG_KMOD=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

#
# Processor support
#

#
# Select all processors your kernel should support
#
# CONFIG_CPU_386 is not set
CONFIG_CPU_486=y
CONFIG_CPU_586=y
CONFIG_CPU_586TSC=y
CONFIG_CPU_586MMX=y
CONFIG_CPU_686=y
CONFIG_CPU_PENTIUMII=y
CONFIG_CPU_PENTIUMIII=y
```

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```
CONFIG_CPU_PENTIUM=y
CONFIG_CPU_PENTIUM4=y
CONFIG_CPU_K6=y
CONFIG_CPU_K7=y
CONFIG_CPU_K8=y
CONFIG_CPU_CRUSOE=y
CONFIG_CPU_WINCHIP6=y
CONFIG_CPU_WINCHIP2=y
CONFIG_CPU_WINCHIP3D=y
CONFIG_CPU_CYRIXIII=y
CONFIG_CPU_VIAC3_2=y
CONFIG_CPU_INTEL=y
CONFIG_CPU_WINCHIP=y
CONFIG_X86_CMPXCHG=y
CONFIG_X86_XADD=y
CONFIG_X86_L1_CACHE_SHIFT=7
CONFIG_RWSEM_XCHGADD_ALGORITHM=y
CONFIG_X86_PPRO_FENCE=y
CONFIG_X86_F00F_BUG=y
CONFIG_X86_WP_WORKS_OK=y
CONFIG_X86_INVLPG=y
CONFIG_X86_BSWAP=y
CONFIG_X86_POPAD_OK=y
CONFIG_X86_ALIGNMENT_16=y
CONFIG_X86_BAD_APIC=y
CONFIG_X86_INTEL_USERCOPY=y
# CONFIG_X86_4G is not set
# CONFIG_X86_SWITCH_PAGETABLES is not set
# CONFIG_X86_4G_VM_LAYOUT is not set
# CONFIG_X86_UACCESS_INDIRECT is not set
# CONFIG_X86_HIGH_ENTRY is not set
# CONFIG_HPET_TIMER is not set
# CONFIG_HPET_EMULATE_RTC is not set
CONFIG_SMP=y
CONFIG_NR_CPUS=8
# CONFIG_SCHED_SMT is not set
CONFIG_PREEMPT=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_X86_IO_APIC=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
# CONFIG_EDD is not set
# CONFIG_NOHIGHMEM is not set
CONFIG_HIGHMEM4G=y
# CONFIG_HIGHMEM64G is not set
```

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```
CONFIG_HIGHMEM=y
# CONFIG_HIGHPTE is not set
# CONFIG_MATH_EMULATION is not set
CONFIG_MTRR=y
CONFIG_HAVE_DEC_LOCK=y
# CONFIG_REGPARM is not set

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

#
# ACPI (Advanced Configuration and Power Interface) Support
#
# CONFIG_ACPI is not set
CONFIG_ACPI_BOOT=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_GOBIOS is not set
# CONFIG_PCI_GODIRECT is not set
CONFIG_PCI_GOANY=y
CONFIG_PCI_BIOS=y
CONFIG_PCI_DIRECT=y
# CONFIG_PCI_USE_VECTOR is not set
CONFIG_PCI_LEGACY_PROC=y
CONFIG_PCI_NAMES=y
CONFIG_ISA=y
# CONFIG_EISA is not set
# CONFIG_MCA is not set
# CONFIG_SCx200 is not set
CONFIG_HOTPLUG=y

#
# PCMCIA/CardBus support
#
```

ide taskfile and cdrom hang

## Linux–Kernel: ide taskfile and cdrom hang

```
# CONFIG_PCMCIA is not set
CONFIG_PCMCIA_PROBE=y

#
# PCI Hotplug Support
#
# CONFIG_HOTPLUG_PCI is not set

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

#
# 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=y
CONFIG_PARPORT_PC=y
CONFIG_PARPORT_PC_CML1=y
# CONFIG_PARPORT_SERIAL is not set
# CONFIG_PARPORT_PC_FIFO is not set
# CONFIG_PARPORT_PC_SUPERIO is not set
# CONFIG_PARPORT_OTHER is not set
# CONFIG_PARPORT_1284 is not set

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

#
# Protocols
#
# CONFIG_ISAPNP is not set
```

ide taskfile and cdrom hang

## Linux–Kernel: ide taskfile and cdrom hang

```
# CONFIG_PNPBIOS is not set

#
# 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_UMEM is not set
# CONFIG_BLK_DEV_LOOP is not set
# CONFIG_BLK_DEV_NBD is not set
# CONFIG_BLK_DEV_RAM is not set
# CONFIG_BLK_DEV_INITRD is not set
CONFIG_LBD=y

#
# 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=y
# CONFIG_BLK_DEV_IDETAPE is not set
# CONFIG_BLK_DEV_IDEFLOPPY is not set
# CONFIG_BLK_DEV_IDESCSI is not set
# CONFIG_IDE_TASK_IOCTL is not set
CONFIG_IDE_TASKFILE_IO=y

#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=y
CONFIG_BLK_DEV_CMD640=y
# CONFIG_BLK_DEV_CMD640_ENHANCED 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_OPTI621 is not set
CONFIG_BLK_DEV_RZ1000=y
```

ide taskfile and cdrom hang

## Linux–Kernel: ide taskfile and cdrom hang

```
CONFIG_BLK_DEV_IDEDMA_PCI=y
# CONFIG_BLK_DEV_IDEDMA_FORCED is not set
CONFIG_IDEDMA_PCI_AUTO=y
# CONFIG_IDEDMA_ONLYDISK is not set
# CONFIG_IDEDMA_PCI_WIP 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_CMD64X is not set
# CONFIG_BLK_DEV_TRIFLEX is not set
# CONFIG_BLK_DEV_CY82C693 is not set
# CONFIG_BLK_DEV_CS5520 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 is not set
# 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_DMA_NONPCI is not set
# 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_MAX_SD_DISKS=256
# CONFIG_CHR_DEV_ST is not set
# CONFIG_CHR_DEV_OSST is not set
# CONFIG_BLK_DEV_SR is not set
CONFIG_CHR_DEV_SG=y
```

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```
#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
# CONFIG_SCSI_MULTI_LUN is not set
# CONFIG_SCSI_REPORT_LUNS is not set
# CONFIG_SCSI_CONSTANTS is not set
# CONFIG_SCSI_LOGGING 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_AACRAID=m
# CONFIG_SCSI_AIC7XXX is not set
# 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=y
# CONFIG_SCSI_SATA 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=y
CONFIG_SCSI_QLOGIC_FC_FIRMWARE=y
# CONFIG_SCSI_QLOGIC_1280 is not set
CONFIG_SCSI_QLA2XXX_CONFIG=y
# CONFIG_SCSI_QLA21XX is not set
# CONFIG_SCSI_QLA22XX is not set
# CONFIG_SCSI_QLA23XX is not set
```

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```
# CONFIG_SCSI_SYM53C416 is not set
# CONFIG_SCSI_DC395x 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=y
# CONFIG_BLK_DEV_MD is not set
CONFIG_BLK_DEV_DM=y
CONFIG_DM_IOCTL_V4=y

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

#
# IEEE 1394 (FireWire) support (EXPERIMENTAL)
#
CONFIG_IEEE1394=y

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

#
# Device Drivers
#

#
# Texas Instruments PCILynx requires I2C
#
CONFIG_IEEE1394_OHCI1394=y

#
# Protocol Drivers
#
# CONFIG_IEEE1394_VIDEO1394 is not set
```

## Linux–Kernel: ide taskfile and cdrom hang

```
# CONFIG_IEEE1394_SBP2 is not set
# CONFIG_IEEE1394_ETH1394 is not set
# CONFIG_IEEE1394_DV1394 is not set
# CONFIG_IEEE1394_RAWIO is not set
# CONFIG_IEEE1394_CMP is not set

#
# I2O device support
#
# CONFIG_I2O is not set

#
# Macintosh device drivers
#

#
# 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 is not set
# CONFIG_NET_IPGRE is not set
# CONFIG_IP_MROUTE is not set
# CONFIG_ARPD is not set
# CONFIG_INET_ECN 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
# CONFIG_IPV6 is not set
# CONFIG_DECNET is not set
# CONFIG_BRIDGE is not set
# CONFIG_NETFILTER is not set

#
# SCTP Configuration (EXPERIMENTAL)
#
CONFIG_IPV6_SCTP__=y
# CONFIG_IP_SCTP is not set
```

## Linux–Kernel: ide taskfile and cdrom hang

```
# CONFIG_ATM is not set
# CONFIG_VLAN_8021Q is not set
# CONFIG_LLC2 is not set
# CONFIG_IPX is not set
# CONFIG_ATALK is not set
# CONFIG_X25 is not set
# CONFIG_LAPB is not set
# CONFIG_NET_DIVERT is not set
# CONFIG_ECONET is not set
# CONFIG_WAN_ROUTER is not set
# CONFIG_NET_FASTROUTE is not set
# CONFIG_NET_HW_FLOWCONTROL is not set
```

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

```
#
# Network testing
#
# CONFIG_NET_PKTGEN is not set
CONFIG_NETDEVICES=y
```

```
#
# ARCnet devices
#
# CONFIG_ARCNET is not set
CONFIG_DUMMY=m
# CONFIG_BONDING is not set
# CONFIG_EQUALIZER is not set
# CONFIG_TUN is not set
# CONFIG_NET_SB1000 is not set
```

```
#
# Ethernet (10 or 100Mbit)
#
CONFIG_NET_ETHERNET=y
CONFIG_MII=y
# CONFIG_HAPPYMEAL is not set
# 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_AT1700 is not set
```

ide taskfile and cdrom hang

## Linux–Kernel: ide taskfile and cdrom hang

```
# 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_AC3200 is not set
# CONFIG_APRICOT is not set
# CONFIG_B44 is not set
# CONFIG_FORCEDETH is not set
# CONFIG_CS89x0 is not set
# CONFIG_DGRS is not set
# CONFIG_EEPRO100 is not set
CONFIG_E100=y
# CONFIG_E100_NAPI is not set
# CONFIG_FEALNX is not set
# CONFIG_NATSEMI is not set
# CONFIG_NE2K_PCI is not set
# CONFIG_8139CP is not set
CONFIG_8139TOO=y
# CONFIG_8139TOO_PIO is not set
# CONFIG_8139TOO_TUNE_TWISTER is not set
# CONFIG_8139TOO_8129 is not set
# CONFIG_8139_OLD_RX_RESET is not set
CONFIG_8139_RXBUF_IDX=2
# CONFIG_SIS900 is not set
# 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_YELLOWFIN is not set
# CONFIG_R8169 is not set
# CONFIG_SIS190 is not set
# CONFIG_SK98LIN is not set
# CONFIG_TIGON3 is not set

#
# Ethernet (10000 Mbit)
#
# CONFIG_IXGB is not set
```

## Linux–Kernel: ide taskfile and cdrom hang

```
# CONFIG_FDDI is not set
# CONFIG_HIPPI is not set
# CONFIG_PLIP is not set
# CONFIG_PPP is not set
# CONFIG_SLIP is not set

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

#
# Token Ring devices
#
# CONFIG_TR is not set
# CONFIG_NET_FC is not set
# CONFIG_RCPCI is not set
# CONFIG_SHAPER is not set
# CONFIG_NETCONSOLE is not set

#
# Wan interfaces
#
# CONFIG_WAN is not set

#
# Amateur Radio support
#
# CONFIG_HAMRADIO is not set

#
# IrDA (infrared) support
#
# CONFIG_IRDA is not set

#
# Bluetooth support
#
# CONFIG_BT is not set
# CONFIG_KGDBOE is not set
# CONFIG_NETPOLL is not set
# CONFIG_NETPOLL_RX is not set
# CONFIG_NETPOLL_TRAP is not set
# CONFIG_NET_POLL_CONTROLLER is not set

#
# ISDN subsystem
#
# CONFIG_ISDN_BOOL is not set
```

```
#  
# Telephony Support  
#  
# CONFIG_PHONE is not set  
  
#  
# 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=y  
# CONFIG_SERIO_CT82C710 is not set  
# CONFIG_SERIO_PARKBD is not set  
# CONFIG_SERIO_PCIPS2 is not set  
  
#  
# Input Device Drivers  
#  
CONFIG_INPUT_KEYBOARD=y  
CONFIG_KEYBOARD_ATKBD=y  
# CONFIG_KEYBOARD_SUNKBD 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=y  
# CONFIG_MOUSE_INPORT is not set  
# CONFIG_MOUSE_LOGIBM is not set  
# CONFIG_MOUSE_PC110PAD is not set  
# CONFIG_INPUT_JOYSTICK is not set  
# CONFIG_INPUT_TOUCHSCREEN is not set  
# CONFIG_INPUT_MISC is not set
```

## Linux–Kernel: ide taskfile and cdrom hang

```
#  
# Character devices  
#  
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=y  
CONFIG_SERIAL_8250_NR_UARTS=4  
# CONFIG_SERIAL_8250_EXTENDED is not set  
  
#  
# Non–8250 serial port support  
#  
CONFIG_SERIAL_CORE=y  
CONFIG_SERIAL_CORE_CONSOLE=y  
CONFIG_UNIX98_PTYS=y  
CONFIG_UNIX98_PTY_COUNT=256  
CONFIG_PRINTER=y  
# CONFIG_LP_CONSOLE is not set  
# CONFIG_PPDEV is not set  
# CONFIG_TIPAR is not set  
  
#  
# Mice  
#  
# CONFIG_BUSMOUSE is not set  
# CONFIG_QIC02_TAPE is not set  
  
#  
# IPMI  
#  
# CONFIG_IPMI_HANDLER is not set  
  
#  
# Watchdog Cards  
#  
CONFIG_WATCHDOG=y  
# CONFIG_WATCHDOG_NOWAYOUT is not set  
CONFIG_SOFT_WATCHDOG=y  
# CONFIG_WDT is not set  
CONFIG_WDTPCI=y  
# CONFIG_WDT_501_PCI is not set  
# CONFIG_PCWATCHDOG is not set  
# CONFIG_ACQUIRE_WDT is not set  
# CONFIG_ADVANTECH_WDT is not set
```

## Linux-Kernel: ide taskfile and cdrom hang

```
# CONFIG_EUROTECH_WDT is not set
# CONFIG_IB700_WDT is not set
CONFIG_I810_TCO=m
# CONFIG_MIXCOMWD is not set
# CONFIG_SCx200_WDT is not set
# CONFIG_60XX_WDT is not set
# CONFIG_W83877F_WDT is not set
# CONFIG_W83627HF_WDT is not set
# CONFIG_MACHZ_WDT is not set
# CONFIG_SC520_WDT is not set
# CONFIG_AMD7XX_TCO is not set
# CONFIG_ALIM7101_WDT is not set
# CONFIG_ALIM1535_WDT is not set
# CONFIG_SC1200_WDT is not set
# CONFIG_WAFER_WDT is not set
# CONFIG_CPU5_WDT is not set
# CONFIG_HW_RANDOM is not set
# CONFIG_NVRAM is not set
CONFIG_RTC=y
# CONFIG_DTLK is not set
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set
# CONFIG_SONYPI is not set

#
# Ftape, the floppy tape device driver
#
# CONFIG_AGP is not set
# CONFIG_DRM is not set
# CONFIG_MWAVE is not set
CONFIG_RAW_DRIVER=m
CONFIG_MAX_RAW_DEVS=256
# CONFIG_HANGCHECK_TIMER is not set

#
# I2C support
#
# CONFIG_I2C is not set

#
# Multimedia devices
#
# CONFIG_VIDEO_DEV is not set

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

#
# Graphics support
```

```
#  
# CONFIG_FB is not set  
# CONFIG_VIDEO_SELECT is not set  
  
#  
# Console display driver support  
#  
CONFIG_VGA_CONSOLE=y  
# CONFIG_MDA_CONSOLE is not set  
CONFIG_DUMMY_CONSOLE=y  
  
#  
# Sound  
#  
# CONFIG_SOUND is not set  
  
#  
# USB support  
#  
# CONFIG_USB is not set  
# CONFIG_USB_EMI62 is not set  
# CONFIG_USB_EMI26 is not set  
# CONFIG_USB_GADGET is not set  
  
#  
# File systems  
#  
CONFIG_EXT2_FS=y  
# CONFIG_EXT2_FS_XATTR is not set  
CONFIG_EXT3_FS=m  
CONFIG_EXT3_FS_XATTR=y  
# CONFIG_EXT3_FS_POSIX_ACL is not set  
# CONFIG_EXT3_FS_SECURITY is not set  
CONFIG_JBD=m  
# 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=m  
# CONFIG_JFS_POSIX_ACL is not set  
# CONFIG_JFS_DEBUG is not set  
CONFIG_JFS_STATISTICS=y  
CONFIG_XFS_FS=m  
# CONFIG_XFS_RT is not set  
# CONFIG_XFS_QUOTA is not set  
# CONFIG_XFS_POSIX_ACL 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 is not set
CONFIG_UDF_FS=y

#
# DOS/FAT/NT Filesystems
#
CONFIG_FAT_FS=y
CONFIG_MSDOS_FS=y
CONFIG_VFAT_FS=y
# CONFIG_NTFS_FS is not set

#
# Pseudo filesystems
#
CONFIG_PROC_FS=y
CONFIG_PROC_KCORE=y
CONFIG_SYSFS=y
# CONFIG_DEVFS_FS is not set
CONFIG_DEVPTS_FS=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_ADFS_FS is not set
# CONFIG_AFFS_FS is not set
# CONFIG_HFS_FS is not set
# CONFIG_BEFS_FS is not set
# CONFIG_BFS_FS is not set
# CONFIG_EFS_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_NFS_V4 is not set
# CONFIG_NFS_DIRECTIO is not set
CONFIG_NFSD=y
# CONFIG_NFSD_V3 is not set
# CONFIG_NFSD_TCP is not set
CONFIG_LOCKD=y
CONFIG_EXPORTFS=y
CONFIG_SUNRPC=y
# CONFIG_SUNRPC_GSS is not set
# CONFIG_SMB_FS is not set
# CONFIG_CIFS is not set
# CONFIG_NCP_FS is not set
# CONFIG_CODA_FS is not set
# CONFIG_INTERMEZZO_FS is not set
# CONFIG_AFS_FS is not set

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

## Linux–Kernel: ide taskfile and cdrom hang

```
# 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 is not set

#
# Profiling support
#
# CONFIG_PROFILING is not set

#
# Kernel hacking
#
CONFIG_DEBUG_KERNEL=y
# CONFIG_DEBUG_STACKOVERFLOW is not set
# CONFIG_DEBUG_SLAB is not set
# CONFIG_DEBUG_IOVIRT is not set
CONFIG_MAGIC_SYSRQ=y
# CONFIG_DEBUG_SPINLOCK is not set
# CONFIG_DEBUG_PAGEALLOC is not set
# CONFIG_SPINLOCK is not set
# CONFIG_DEBUG_HIGHMEM is not set
# CONFIG_DEBUG_INFO is not set
# CONFIG_LOCKMETER is not set
CONFIG_DEBUG_SPINLOCK_SLEEP=y
# CONFIG_KGDB is not set
# CONFIG_FRAME_POINTER is not set
CONFIG_X86_FIND_SMP_CONFIG=y
CONFIG_X86_MPPARSE=y

#
# Security options
#
# CONFIG_SECURITY is not set

#
# Cryptographic options
#
# CONFIG_CRYPTOD is not set
```

## Linux–Kernel: ide taskfile and cdrom hang

```
#
# Library routines
#
CONFIG_CRC32=y
CONFIG_X86_SMP=y
CONFIG_X86_HT=y
CONFIG_X86_BIOS_REBOOT=y
CONFIG_X86_TRAMPOLINE=y
CONFIG_PC=y

00:00.0 Host bridge: Intel Corp. 82860 860 (Wombat) Chipset Host Bridge (MCH) (rev 04)
00:01.0 PCI bridge: Intel Corp. 82850 850 (Tehama) Chipset AGP Bridge (rev 04)
00:02.0 PCI bridge: Intel Corp. 82860 860 (Wombat) Chipset AGP Bridge (rev 04)
00:1e.0 PCI bridge: Intel Corp. 82801BA/CA/DB PCI Bridge (rev 04)
00:1f.0 ISA bridge: Intel Corp. 82801BA ISA Bridge (LPC) (rev 04)
00:1f.1 IDE interface: Intel Corp. 82801BA IDE U100 (rev 04)
00:1f.2 USB Controller: Intel Corp. 82801BA/BAM USB (Hub #1) (rev 04)
00:1f.3 SMBus: Intel Corp. 82801BA/BAM SMBus (rev 04)
00:1f.5 Multimedia audio controller: Intel Corp. 82801BA/BAM AC'97 Audio (rev 04)
01:00.0 VGA compatible controller: Matrox Graphics, Inc. MGA G400 AGP (rev 85)
02:1f.0 PCI bridge: Intel Corp. 82806AA PCI64 Hub PCI Bridge (rev 03)
03:00.0 PIC: Intel Corp. 82806AA PCI64 Hub Advanced Programmable Interrupt Controller (rev 01)
04:04.0 Ethernet controller: Intel Corp. 82557/8/9 [Ethernet Pro 100] (rev 0c)
```

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