

[bug] stuck localhost TCP connections, v2.6.26-rc3+

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-05/msg12043.html>

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 - *Date:* Mon, 26 May 2008 13:56:28 +0200
-

in an overnight -tip testruns that is based on recent -git i got two stuck TCP connections:

```
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address Foreign Address State
tcp 0 174592 10.0.1.14:58015 10.0.1.14:3632 ESTABLISHED
tcp 72134 0 10.0.1.14:3632 10.0.1.14:58015 ESTABLISHED
```

on a previously reliable machine. That connection has been stuck for 9 hours so it does not time out, etc. - and the distcc run that goes over that connection is stuck as well.

kernel config is attached.

in terms of debugging there's not much i can do i'm afraid. It's not possible to get a tcpdump of this incident, given the extreme amount of load these testboxes handle. This problem started sometime around rc3 and it occurred on two boxes (on a laptop and on a desktop), both are SMP Core2Duo based systems. I never saw this problem before on thousands of similar bootups, so i'm 99.9% sure the bug is either new or became easier to trigger.

It's not possible to bisect it as it needs up to 12 hours of heavy workload to trigger. The incident happened about 5 times since the first incident a couple of days ago - 4 times on one box and once on another box. The first failing head i became aware of was 78b58e549a3098. (-tip has other changes beyond -git but changes nothing in networking.)

One clue (which might or might not matter) is that distcc is one of the very few applications that makes use of sendfile().

Ingo

```
#
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.26-rc3
# Sat May 24 04:28:24 2008
```

```
#
CONFIG_64BIT=y
# CONFIG_X86_32 is not set
CONFIG_X86_64=y
CONFIG_X86=y
CONFIG_DEFCONFIG_LIST="arch/x86/configs/x86_64_defconfig"
# CONFIG_GENERIC_LOCKBREAK is not set
CONFIG_GENERIC_TIME=y
CONFIG_GENERIC_CMOS_UPDATE=y
CONFIG_CLOCKSOURCE_WATCHDOG=y
CONFIG_GENERIC_CLOCKEVENTS=y
CONFIG_GENERIC_CLOCKEVENTS_BROADCAST=y
CONFIG_LOCKDEP_SUPPORT=y
CONFIG_STACKTRACE_SUPPORT=y
CONFIG_HAVE_LATENCYTOP_SUPPORT=y
CONFIG_FAST_CMPXCHG_LOCAL=y
CONFIG_MMU=y
CONFIG_ZONE_DMA=y
CONFIG_GENERIC_ISA_DMA=y
CONFIG_GENERIC_IOMAP=y
CONFIG_GENERIC_BUG=y
CONFIG_GENERIC_HWEIGHT=y
# CONFIG_GENERIC_GPIO is not set
CONFIG_ARCH_MAY_HAVE_PC_FDC=y
CONFIG_RWSEM_GENERIC_SPINLOCK=y
# CONFIG_RWSEM_XCHGADD_ALGORITHM is not set
# CONFIG_ARCH_HAS_ILOG2_U32 is not set
# CONFIG_ARCH_HAS_ILOG2_U64 is not set
CONFIG_ARCH_HAS_CPU_IDLE_WAIT=y
CONFIG_GENERIC_CALIBRATE_DELAY=y
CONFIG_GENERIC_TIME_VSYSCALL=y
CONFIG_ARCH_HAS_CPU_RELAX=y
CONFIG_ARCH_HAS_CACHE_LINE_SIZE=y
CONFIG_HAVE_SETUP_PER_CPU_AREA=y
CONFIG_HAVE_CPUMASK_OF_CPU_MAP=y
CONFIG_ARCH_HIBERNATION_POSSIBLE=y
CONFIG_ARCH_SUSPEND_POSSIBLE=y
CONFIG_ZONE_DMA32=y
CONFIG_ARCH_POPULATES_NODE_MAP=y
CONFIG_AUDIT_ARCH=y
CONFIG_ARCH_SUPPORTS_AOUT=y
CONFIG_ARCH_SUPPORTS_OPTIMIZED_INLINING=y
CONFIG_GENERIC_HARDIRQS=y
CONFIG_GENERIC_IRQ_PROBE=y
CONFIG_GENERIC_PENDING_IRQ=y
CONFIG_X86_SMP=y
CONFIG_X86_64_SMP=y
CONFIG_X86_HT=y
CONFIG_X86_BIOS_REBOOT=y
CONFIG_X86_TRAMPOLINE=y
# CONFIG_KTIME_SCALAR is not set
```

```
CONFIG_BOOTPARAM_SUPPORT=y

#
# General setup
#
CONFIG_EXPERIMENTAL=y
# CONFIG_BROKEN_BOOT_ALLOWED3 is not set
# CONFIG_BROKEN_BOOT_EUROPE is not set
# CONFIG_BROKEN_BOOT_TITAN is not set
CONFIG_LOCK_KERNEL=y
CONFIG_INIT_ENV_ARG_LIMIT=32
CONFIG_LOCALVERSION=""
CONFIG_LOCALVERSION_AUTO=y
CONFIG_SWAP=y
# CONFIG_SYSVIPC is not set
# CONFIG_POSIX_MQUEUE is not set
# CONFIG_BSD_PROCESS_ACCT is not set
CONFIG_TASKSTATS=y
CONFIG_TASK_DELAY_ACCT=y
CONFIG_TASK_XACCT=y
CONFIG_TASK_IO_ACCOUNTING=y
# CONFIG_AUDIT is not set
# CONFIG_IKCONFIG is not set
CONFIG_LOG_BUF_SHIFT=20
# CONFIG_CGROUPS is not set
CONFIG_HAVE_UNSTABLE_SCHED_CLOCK=y
# CONFIG_GROUP_SCHED is not set
CONFIG_BOOTPARAM_MAXCPUS_1=y
CONFIG_BOOTPARAM_NOSMP=y
CONFIG_SYSFS_DEPRECATED=y
CONFIG_SYSFS_DEPRECATED_V2=y
CONFIG_RELAY=y
CONFIG_NAMESPACES=y
# CONFIG_UTS_NS is not set
# CONFIG_USER_NS is not set
# CONFIG_PID_NS is not set
CONFIG_BLK_DEV_INITRD=y
CONFIG_INITRAMFS_SOURCE=""
CONFIG_CC_OPTIMIZE_FOR_SIZE=y
CONFIG_SYSCTL=y
# CONFIG_EMBEDDED is not set
CONFIG_UID16=y
CONFIG_SYSCTL_SYSCALL=y
CONFIG_SYSCTL_SYSCALL_CHECK=y
CONFIG_KALLSYMS=y
CONFIG_KALLSYMS_ALL=y
CONFIG_KALLSYMS_EXTRA_PASS=y
CONFIG_HOTPLUG=y
CONFIG_PRINTK=y
CONFIG_BUG=y
CONFIG_ELF_CORE=y
```

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```
CONFIG_PCSPKR_PLATFORM=y
# CONFIG_COMPAT_BRK is not set
CONFIG_BASE_FULL=y
CONFIG_FUTEX=y
CONFIG_ANON_INODES=y
CONFIG_EPOLL=y
CONFIG_SIGNALFD=y
CONFIG_TIMERFD=y
CONFIG_EVENTFD=y
CONFIG_SHMEM=y
CONFIG_VM_EVENT_COUNTERS=y
CONFIG_SLAB=y
# CONFIG_SLUB is not set
# CONFIG_SLOB is not set
# CONFIG_PROFILING is not set
CONFIG_MARKERS=y
CONFIG_HAVE_OPROFILE=y
# CONFIG_KPROBES is not set
CONFIG_HAVE_KPROBES=y
CONFIG_HAVE_KRETPROBES=y
# CONFIG_HAVE_DMA_ATTRS is not set
CONFIG_PROC_PAGE_MONITOR=y
CONFIG_HAVE_IMMEDIATE=y
CONFIG_IMMEDIATE=y
CONFIG_SLABINFO=y
CONFIG_RT_MUTEXES=y
# CONFIG_TINY_SHMEM is not set
CONFIG_BASE_SMALL=0
CONFIG_MODULES=y
# CONFIG_MODULE_FORCE_LOAD is not set
# CONFIG_MODULE_UNLOAD is not set
# CONFIG_MODVERSIONS is not set
# CONFIG_MODULE_SRCVERSION_ALL is not set
# CONFIG_KMOD is not set
CONFIG_BLOCK=y
CONFIG_BLK_DEV_IO_TRACE=y
# CONFIG_BLK_DEV_BSG is not set
CONFIG_BLOCK_COMPAT=y

#
# IO Schedulers
#
CONFIG_IOSCHED_NOOP=y
CONFIG_IOSCHED_AS=m
CONFIG_IOSCHED_DEADLINE=m
# CONFIG_IOSCHED_CFQ is not set
# CONFIG_DEFAULT_AS is not set
# CONFIG_DEFAULT_DEADLINE is not set
# CONFIG_DEFAULT_CFQ is not set
CONFIG_DEFAULT_NOOP=y
CONFIG_DEFAULT_IOSCHED="noop"
```

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```
CONFIG_CLASSIC_RCU=y

#
# Processor type and features
#
CONFIG_TICK_ONESHOT=y
# CONFIG_NO_HZ is not set
CONFIG_BOOTPARAM_NO_HZ_OFF=y
CONFIG_HIGH_RES_TIMERS=y
CONFIG_GENERIC_CLOCKEVENTS_BUILD=y
# CONFIG_BOOTPARAM_HIGHRES_OFF is not set
CONFIG_SMP=y
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_X86_RDC321X is not set
# CONFIG_X86_VSMP is not set
CONFIG_PARAVIRT_GUEST=y
# CONFIG_KVM_CLOCK is not set
# CONFIG_KVM_GUEST is not set
# CONFIG_PARAVIRT is not set
# CONFIG_MEMTEST 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_MPENTIUMIII is not set
# CONFIG_MPENTIUMIII is not set
# CONFIG_MPENTIUMMM is not set
# CONFIG_MPENTIUM4 is not set
# CONFIG_MK6 is not set
# CONFIG_MK7 is not set
CONFIG_MK8=y
# CONFIG_MCRUSOE is not set
# CONFIG_MEFFICEON is not set
# CONFIG_MWINCHIP6 is not set
# CONFIG_MWINCHIP2 is not set
# CONFIG_MWINCHIP3D is not set
# CONFIG_MGEODEGX1 is not set
# CONFIG_MGEODE_LX is not set
# CONFIG_MCYRIXIII is not set
# CONFIG_MVIAC3_2 is not set
# CONFIG_MVIAC7 is not set
```

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```
# CONFIG_MPSC is not set
# CONFIG_MCORE2 is not set
# CONFIG_GENERIC_CPU is not set
CONFIG_X86_CPU=y
CONFIG_X86_L1_CACHE_BYTES=64
CONFIG_X86_INTERNODE_CACHE_BYTES=64
CONFIG_X86_CMPXCHG=y
CONFIG_X86_L1_CACHE_SHIFT=6
CONFIG_X86_GOOD_APIC=y
CONFIG_X86_INTEL_USERCOPY=y
CONFIG_X86_USE_PPRO_CHECKSUM=y
CONFIG_X86_TSC=y
CONFIG_X86_CMPXCHG64=y
CONFIG_X86_CMOV=y
CONFIG_X86_MINIMUM_CPU_FAMILY=64
CONFIG_X86_DEBUGCTLMSR=y
# CONFIG_X86_DS is not set
CONFIG_HPET_TIMER=y
CONFIG_HPET_EMULATE_RTC=y
CONFIG_DMI=y
CONFIG_GART_IOMMU=y
CONFIG_CALGARY_IOMMU=y
# CONFIG_CALGARY_IOMMU_ENABLED_BY_DEFAULT is not set
CONFIG_SWIOTLB=y
CONFIG_IOMMU_HELPER=y
# CONFIG_MAXSMP is not set
CONFIG_NR_CPUS=8
# CONFIG_SCHED_SMT is not set
# CONFIG_SCHED_MC is not set
CONFIG_PREEMPT_NONE=y
# CONFIG_PREEMPT_VOLUNTARY is not set
# CONFIG_PREEMPT is not set
CONFIG_X86_LOCAL_APIC=y
CONFIG_X86_IO_APIC=y
# CONFIG_X86_MCE is not set
CONFIG_I8K=y
CONFIG_MICROCODE=y
CONFIG_MICROCODE_OLD_INTERFACE=y
CONFIG_X86_MSR=m
# CONFIG_X86_CPUID is not set
CONFIG_NUMA=y
CONFIG_K8_NUMA=y
CONFIG_X86_64_ACPI_NUMA=y
CONFIG_NODES_SPAN_OTHER_NODES=y
# CONFIG_NUMA_EMU is not set
CONFIG_NODES_SHIFT=6
CONFIG_ARCH_SPARSEMEM_DEFAULT=y
CONFIG_ARCH_SPARSEMEM_ENABLE=y
CONFIG_ARCH_SELECT_MEMORY_MODEL=y
CONFIG_ILLEGAL_POINTER_VALUE=0xffffc10000000000
CONFIG_SELECT_MEMORY_MODEL=y
```

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```
# CONFIG_FLATMEM_MANUAL is not set
# CONFIG_DISCONTIGMEM_MANUAL is not set
CONFIG_SPARSEMEM_MANUAL=y
CONFIG_SPARSEMEM=y
CONFIG_NEED_MULTIPLE_NODES=y
CONFIG_HAVE_MEMORY_PRESENT=y
# CONFIG_SPARSEMEM_STATIC is not set
CONFIG_SPARSEMEM_EXTREME=y
CONFIG_SPARSEMEM_VMEMMAP_ENABLE=y
CONFIG_SPARSEMEM_VMEMMAP=y
# CONFIG_MEMORY_HOTPLUG is not set
CONFIG_PAGEFLAGS_EXTENDED=y
CONFIG_SPLIT_PTLOCK_CPUS=4
CONFIG_MIGRATION=y
CONFIG_RESOURCES_64BIT=y
CONFIG_ZONE_DMA_FLAG=1
CONFIG_BOUNCE=y
CONFIG_VIRT_TO_BUS=y
CONFIG_MTRR=y
# CONFIG_MTRR_SANITIZER is not set
CONFIG_X86_PAT=y
CONFIG_EFI=y
# CONFIG_SECCOMP is not set
CONFIG_CC_STACKPROTECTOR_ALL=y
CONFIG_CC_STACKPROTECTOR=y
CONFIG_HZ_100=y
# CONFIG_HZ_250 is not set
# CONFIG_HZ_300 is not set
# CONFIG_HZ_1000 is not set
CONFIG_HZ=100
CONFIG_SCHED_HRTICK=y
CONFIG_KEXEC=y
CONFIG_CRASH_DUMP=y
CONFIG_PHYSICAL_START=0x200000
CONFIG_RELOCATABLE=y
CONFIG_PHYSICAL_ALIGN=0x200000
# CONFIG_HOTPLUG_CPU is not set
CONFIG_COMPAT_VDSO=y
CONFIG_BOOTPARAM_NOAPIC=y
# CONFIG_BOOTPARAM_NOLAPIC is not set
CONFIG_BOOTPARAM_NOLAPIC_TIMER=y
# CONFIG_BOOTPARAM_LAPIC is not set
# CONFIG_BOOTPARAM_HPET_DISABLE is not set
# CONFIG_BOOTPARAM_IDLE_MWAIT is not set
# CONFIG_BOOTPARAM_IDLE_POLL is not set
CONFIG_BOOTPARAM_HIGHMEM_512M=y
CONFIG_BOOTPARAM_NOPAT=y
CONFIG_BOOTPARAM_NOTSC=y
# CONFIG_BOOTPARAM_PCI_NOACPI is not set
# CONFIG_BOOTPARAM_PCI_NOMSI is not set
CONFIG_ARCH_ENABLE_MEMORY_HOTPLUG=y
```

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CONFIG_HAVE_ARCH_EARLY_PFN_TO_NID=y

#

Power management options

#

CONFIG_PM=y

CONFIG_PM_DEBUG is not set

CONFIG_SUSPEND is not set

CONFIG_HIBERNATION is not set

CONFIG_ACPI=y

CONFIG_ACPI_PROCFS is not set

CONFIG_ACPI_PROCFS_POWER is not set

CONFIG_ACPI_SYSFS_POWER=y

CONFIG_ACPI_PROC_EVENT is not set

CONFIG_ACPI_AC is not set

CONFIG_ACPI_BATTERY=m

CONFIG_ACPI_BUTTON=y

CONFIG_ACPI_VIDEO=m

CONFIG_ACPI_FAN is not set

CONFIG_ACPI_DOCK=y

CONFIG_ACPI_BAY=y

CONFIG_ACPI_PROCESSOR is not set

CONFIG_ACPI_NUMA=y

CONFIG_ACPI_WMI=y

CONFIG_ACPI_ASUS=y

CONFIG_ACPI_TOSHIBA is not set

CONFIG_ACPI_CUSTOM_DSDT is not set

CONFIG_ACPI_BLACKLIST_YEAR=0

CONFIG_ACPI_DEBUG=y

CONFIG_ACPI_DEBUG_FUNC_TRACE=y

CONFIG_ACPI_EC=y

CONFIG_ACPI_POWER=y

CONFIG_ACPI_SYSTEM=y

CONFIG_X86_PM_TIMER=y

CONFIG_ACPI_CONTAINER=m

CONFIG_ACPI_SBS is not set

#

CPU Frequency scaling

#

CONFIG_CPU_FREQ is not set

CONFIG_CPU_IDLE=y

CONFIG_CPU_IDLE_GOV_LADDER=y

#

Bus options (PCI etc.)

#

CONFIG_PCI=y

CONFIG_PCI_DIRECT=y

CONFIG_PCI_MMCONFIG is not set

CONFIG_PCI_DOMAINS=y

```
CONFIG_DMAR=y
CONFIG_DMAR_GFX_WA=y
CONFIG_DMAR_FLOPPY_WA=y
CONFIG_PCIEPORTBUS=y
CONFIG_HOTPLUG_PCI_PCIE=m
# CONFIG_PCIEAER is not set
CONFIG_PCIEASPM=y
CONFIG_PCIEASPM_DEBUG=y
CONFIG_ARCH_SUPPORTS_MSI=y
CONFIG_PCI_MSI=y
CONFIG_PCI_LEGACY=y
# CONFIG_HT_IRQ is not set
CONFIG_ISA_DMA_API=y
CONFIG_K8_NB=y
CONFIG_PCCARD=y
# CONFIG_PCMCIA_DEBUG is not set
# CONFIG_PCMCIA is not set
CONFIG_CARDBUS=y

#
# PC-card bridges
#
CONFIG_YENTA=y
CONFIG_YENTA_O2=y
CONFIG_YENTA_RICOH=y
CONFIG_YENTA_TI=y
CONFIG_YENTA_ENE_TUNE=y
CONFIG_YENTA_TOSHIBA=y
CONFIG_PCCARD_NONSTATIC=y
CONFIG_HOTPLUG_PCI=m
CONFIG_HOTPLUG_PCI_FAKE=m
CONFIG_HOTPLUG_PCI_ACPI=m
CONFIG_HOTPLUG_PCI_ACPI_IBM=m
CONFIG_HOTPLUG_PCI_CPCI=y
CONFIG_HOTPLUG_PCI_CPCI_ZT5550=m
# CONFIG_HOTPLUG_PCI_CPCI_GENERIC is not set
CONFIG_HOTPLUG_PCI_SHPC=m

#
# Executable file formats / Emulations
#
CONFIG_BINFMT_ELF=y
CONFIG_COMPAT_BINFMT_ELF=y
CONFIG_BINFMT_MISC=m
CONFIG_IA32_EMULATION=y
# CONFIG_IA32_AOUT is not set
CONFIG_COMPAT=y
CONFIG_COMPAT_FOR_U64_ALIGNMENT=y

#
# Networking
```

```
#
CONFIG_NET=y

#
# Networking options
#
CONFIG_PACKET=y
# CONFIG_PACKET_MMAP is not set
CONFIG_UNIX=y
CONFIG_XFRM=y
CONFIG_XFRM_USER=m
# CONFIG_XFRM_SUB_POLICY is not set
# CONFIG_XFRM_MIGRATE is not set
# CONFIG_XFRM_STATISTICS is not set
# CONFIG_NET_KEY is not set
CONFIG_INET=y
# CONFIG_IP_MULTICAST is not set
# CONFIG_IP_ADVANCED_ROUTER is not set
CONFIG_IP_FIB_HASH=y
# CONFIG_IP_PNP is not set
CONFIG_NET_IPIP=m
CONFIG_NET_IPGRE=y
# CONFIG_ARPD is not set
# CONFIG_SYN_COOKIES is not set
CONFIG_INET_AH=m
# CONFIG_INET_ESP is not set
CONFIG_INET_IPCOMP=m
CONFIG_INET_XFRM_TUNNEL=m
CONFIG_INET_TUNNEL=y
CONFIG_INET_XFRM_MODE_TRANSPORT=y
# CONFIG_INET_XFRM_MODE_TUNNEL is not set
CONFIG_INET_XFRM_MODE_BEET=m
CONFIG_INET_LRO=y
# CONFIG_INET_DIAG is not set
CONFIG_TCP_CONG_ADVANCED=y
CONFIG_TCP_CONG_BIC=y
CONFIG_TCP_CONG_CUBIC=m
# CONFIG_TCP_CONG_WESTWOOD is not set
# CONFIG_TCP_CONG_HTCP is not set
CONFIG_TCP_CONG_HSTCP=y
CONFIG_TCP_CONG_HYBLA=y
CONFIG_TCP_CONG_VEGAS=y
# CONFIG_TCP_CONG_SCALABLE is not set
# CONFIG_TCP_CONG_LP is not set
# CONFIG_TCP_CONG_VENO is not set
CONFIG_TCP_CONG_YEAH=m
CONFIG_TCP_CONG_ILLINOIS=m
# CONFIG_DEFAULT_BIC is not set
# CONFIG_DEFAULT_CUBIC is not set
# CONFIG_DEFAULT_HTCP is not set
CONFIG_DEFAULT_VEGAS=y
```

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```
# CONFIG_DEFAULT_WESTWOOD is not set
# CONFIG_DEFAULT_RENO is not set
CONFIG_DEFAULT_TCP_CONG="vegas"
CONFIG_TCP_MD5SIG=y
# CONFIG_IP_VS is not set
CONFIG_IPV6=y
CONFIG_IPV6_PRIVACY=y
# CONFIG_IPV6_ROUTER_PREF is not set
CONFIG_IPV6_OPTIMISTIC_DAD=y
CONFIG_INET6_AH=m
CONFIG_INET6_ESP=m
# CONFIG_INET6_IPCOMP is not set
CONFIG_IPV6_MIP6=m
# CONFIG_INET6_XFRM_TUNNEL is not set
CONFIG_INET6_TUNNEL=m
CONFIG_INET6_XFRM_MODE_TRANSPORT=y
CONFIG_INET6_XFRM_MODE_TUNNEL=m
# CONFIG_INET6_XFRM_MODE_BEET is not set
CONFIG_INET6_XFRM_MODE_ROUTEOPTIMIZATION=y
CONFIG_IPV6_SIT=y
CONFIG_IPV6_NDISC_NODETYPE=y
CONFIG_IPV6_TUNNEL=m
CONFIG_IPV6_MULTIPLE_TABLES=y
# CONFIG_IPV6_SUBTREES is not set
CONFIG_IPV6_MROUTE=y
# CONFIG_IPV6_PIMSM_V2 is not set
CONFIG_NETLABEL=y
CONFIG_NETWORK_SECMARK=y
CONFIG_NETFILTER=y
# CONFIG_NETFILTER_DEBUG is not set
# CONFIG_NETFILTER_ADVANCED is not set

#
# Core Netfilter Configuration
#
CONFIG_NETFILTER_NETLINK=y
CONFIG_NETFILTER_NETLINK_LOG=y
# CONFIG_NF_CONNTRACK is not set
CONFIG_NETFILTER_XTABLES=y
CONFIG_NETFILTER_XT_TARGET_MARK=m
CONFIG_NETFILTER_XT_TARGET_NFLOG=y
CONFIG_NETFILTER_XT_TARGET_SECMARK=m
CONFIG_NETFILTER_XT_TARGET_TCPMSS=m
CONFIG_NETFILTER_XT_MATCH_MARK=m
CONFIG_NETFILTER_XT_MATCH_POLICY=y

#
# IP: Netfilter Configuration
#
CONFIG_IP_NF_IPTABLES=m
# CONFIG_IP_NF_FILTER is not set
```

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```
# CONFIG_IP_NF_TARGET_LOG is not set
# CONFIG_IP_NF_TARGET_ULOG is not set
# CONFIG_IP_NF_MANGLE is not set

#
# IPv6: Netfilter Configuration
#
CONFIG_IP6_NF_IPTABLES=y
CONFIG_IP6_NF_MATCH_IPV6HEADER=y
# CONFIG_IP6_NF_FILTER is not set
CONFIG_IP6_NF_MANGLE=m
# CONFIG_IP_DCCP is not set
CONFIG_IP_SCTP=y
# CONFIG_SCTP_DBG_MSG is not set
# CONFIG_SCTP_DBG_OBJCNT is not set
# CONFIG_SCTP_HMAC_NONE is not set
CONFIG_SCTP_HMAC_SHA1=y
# CONFIG_SCTP_HMAC_MD5 is not set
CONFIG_TIPC=m
# CONFIG_TIPC_ADVANCED is not set
# CONFIG_TIPC_DEBUG is not set
CONFIG_ATM=m
# CONFIG_ATM_CLIP is not set
CONFIG_ATM_LANE=m
CONFIG_ATM_MPOA=m
CONFIG_ATM_BR2684=m
# CONFIG_ATM_BR2684_IPFILTER is not set
# CONFIG_BRIDGE is not set
CONFIG_VLAN_8021Q=y
CONFIG_DECNET=y
# CONFIG_DECNET_ROUTER is not set
CONFIG_LLC=y
CONFIG_LLC2=y
CONFIG_IPX=y
CONFIG_IPX_INTERN=y
CONFIG_ATALK=m
# CONFIG_DEV_APPLETALK is not set
CONFIG_X25=y
CONFIG_LAPB=y
CONFIG_ECONET=m
CONFIG_ECONET_AUNUDP=y
# CONFIG_ECONET_NATIVE is not set
# CONFIG_WAN_ROUTER is not set
# CONFIG_NET_SCHED is not set
CONFIG_NET_SCH_FIFO=y

#
# Network testing
#
CONFIG_NET_PKTGEN=y
CONFIG_HAMRADIO=y
```

```
#
# Packet Radio protocols
#
CONFIG_AX25=y
# CONFIG_AX25_DAMA_SLAVE is not set
# CONFIG_NETROM is not set
CONFIG_ROSE=m

#
# AX.25 network device drivers
#
CONFIG_MKISS=y
# CONFIG_6PACK is not set
# CONFIG_BPQETHER is not set
CONFIG_BAYCOM_SER_FDX=m
CONFIG_BAYCOM_SER_HDX=m
# CONFIG_YAM is not set
CONFIG_CAN=m
CONFIG_CAN_RAW=m
# CONFIG_CAN_BCM is not set

#
# CAN Device Drivers
#
# CONFIG_CAN_VCAN is not set
CONFIG_CAN_DEBUG_DEVICES=y
CONFIG_IRDA=y

#
# IrDA protocols
#
# CONFIG_IRLAN is not set
# CONFIG_IRNET is not set
CONFIG_IRCOMM=y
# CONFIG_IRDA_ULTRA is not set

#
# IrDA options
#
CONFIG_IRDA_CACHE_LAST_LSAP=y
# CONFIG_IRDA_FAST_RR is not set
CONFIG_IRDA_DEBUG=y

#
# Infrared-port device drivers
#

#
# SIR device drivers
#
```

```
# CONFIG_IRTTY_SIR is not set

#
# Dongle support
#
CONFIG_KINGSUN_DONGLE=y
CONFIG_KSDAZZLE_DONGLE=y
CONFIG_KS959_DONGLE=y

#
# FIR device drivers
#
# CONFIG_USB_IRDA is not set
# CONFIG_SIGMATEL_FIR is not set
CONFIG_NSC_FIR=m
CONFIG_WINBOND_FIR=y
# CONFIG_SMC_IRCC_FIR is not set
CONFIG_ALI_FIR=m
# CONFIG_VLSI_FIR is not set
CONFIG_VIA_FIR=m
CONFIG_MCS_FIR=y
CONFIG_BT=y
CONFIG_BT_L2CAP=m
# CONFIG_BT_SCO is not set
CONFIG_BT_RFCOMM=m
CONFIG_BT_RFCOMM_TTY=y
CONFIG_BT_BNEP=m
# CONFIG_BT_BNEP_MC_FILTER is not set
CONFIG_BT_BNEP_PROTO_FILTER=y
# CONFIG_BT_HIDP is not set

#
# Bluetooth device drivers
#
# CONFIG_BT_HCUSB is not set
CONFIG_BT_HCIUSB=y
# CONFIG_BT_HCIUSB_NCM is not set
# CONFIG_BT_HCIUART is not set
# CONFIG_BT_HCIBCM203X is not set
CONFIG_BT_HCIBPA10X=m
# CONFIG_BT_HCIBFUSB is not set
CONFIG_BT_HCI_VHCI=y
CONFIG_AF_RXRPC=m
# CONFIG_AF_RXRPC_DEBUG is not set
CONFIG_RXKAD=m
CONFIG_FIB_RULES=y

#
# Wireless
#
CONFIG_CFG80211=y
```

```
CONFIG_NL80211=y
CONFIG_WIRELESS_EXT=y
CONFIG_MAC80211=y

#
# Rate control algorithm selection
#
CONFIG_MAC80211_RC_DEFAULT_PID=y
# CONFIG_MAC80211_RC_DEFAULT_NONE is not set

#
# Selecting 'y' for an algorithm will
#

#
# build the algorithm into mac80211.
#
CONFIG_MAC80211_RC_DEFAULT="pid"
CONFIG_MAC80211_RC_PID=y
CONFIG_MAC80211_MESH=y
CONFIG_MAC80211_LEDS=y
# CONFIG_MAC80211_DEBUGFS is not set
# CONFIG_MAC80211_DEBUG_PACKET_ALIGNMENT is not set
CONFIG_MAC80211_DEBUG=y
# CONFIG_MAC80211_HT_DEBUG is not set
CONFIG_MAC80211_VERBOSE_DEBUG=y
# CONFIG_MAC80211_LOWTX_FRAME_DUMP is not set
# CONFIG_TKIP_DEBUG is not set
CONFIG_MAC80211_DEBUG_COUNTERS=y
# CONFIG_MAC80211_IBSS_DEBUG is not set
# CONFIG_MAC80211_VERBOSE_PS_DEBUG is not set
# CONFIG_MAC80211_VERBOSE_MPL_DEBUG is not set
CONFIG_IEEE80211=y
CONFIG_IEEE80211_DEBUG=y
CONFIG_IEEE80211_CRYPT_WEP=y
CONFIG_IEEE80211_CRYPT_CCMP=m
CONFIG_IEEE80211_CRYPT_TKIP=m
# CONFIG_RFKILL is not set
CONFIG_NET_9P=m
# CONFIG_NET_9P_DEBUG is not set

#
# Device Drivers
#

#
# Generic Driver Options
#
CONFIG_UEVENT_HELPER_PATH="/sbin/hotplug"
CONFIG_STANDALONE=y
CONFIG_PREVENT_FIRMWARE_BUILD=y
```

```
CONFIG_FW_LOADER=y
# CONFIG_SYS_HYPERVISOR is not set
CONFIG_CONNECTOR=y
# CONFIG_PROC_EVENTS is not set
# CONFIG_PARPORT is not set
CONFIG_PNP=y
CONFIG_PNP_DEBUG=y

#
# Protocols
#
CONFIG_PNPACPI=y
CONFIG_BLK_DEV=y
CONFIG_BLK_DEV_FD=m
CONFIG_BLK_CPQ_DA=y
CONFIG_BLK_CPQ_CISS_DA=y
CONFIG_CISS_SCSI_TAPE=y
CONFIG_BLK_DEV_DAC960=y
CONFIG_BLK_DEV_UMEM=y
# CONFIG_BLK_DEV_COW_COMMON is not set
CONFIG_BLK_DEV_LOOP=m
# CONFIG_BLK_DEV_CRYPTOLOOP is not set
# CONFIG_BLK_DEV_NBD is not set
CONFIG_BLK_DEV_SX8=m
CONFIG_BLK_DEV_UB=y
CONFIG_BLK_DEV_RAM=m
CONFIG_BLK_DEV_RAM_COUNT=16
CONFIG_BLK_DEV_RAM_SIZE=4096
# CONFIG_BLK_DEV_XIP is not set
CONFIG_CDROM_PKTCDVD=y
CONFIG_CDROM_PKTCDVD_BUFFERS=8
CONFIG_CDROM_PKTCDVD_WCACHE=y
# CONFIG_ATA_OVER_ETH is not set
# CONFIG_MISC_DEVICES is not set
CONFIG_TIFM_CORE=y
CONFIG_HAVE_IDE=y

#
# SCSI device support
#
CONFIG_RAID_ATTRS=y
CONFIG_SCSI=y
CONFIG_SCSI_DMA=y
CONFIG_SCSI_TGT=m
CONFIG_SCSI_NETLINK=y
CONFIG_SCSI_PROC_FS=y

#
# SCSI support type (disk, tape, CD-ROM)
#
CONFIG_BLK_DEV_SD=y
```

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```
# CONFIG_CHR_DEV_ST is not set
CONFIG_CHR_DEV_OSST=y
CONFIG_BLK_DEV_SR=m
CONFIG_BLK_DEV_SR_VENDOR=y
# CONFIG_CHR_DEV_SG is not set
# CONFIG_CHR_DEV_SCH is not set

#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
# CONFIG_SCSI_MULTI_LUN is not set
CONFIG_SCSI_CONSTANTS=y
# CONFIG_SCSI_LOGGING is not set
# CONFIG_SCSI_SCAN_ASYNC is not set
CONFIG_SCSI_WAIT_SCAN=m

#
# SCSI Transports
#
CONFIG_SCSI_SPI_ATTRS=y
CONFIG_SCSI_FC_ATTRS=m
# CONFIG_SCSI_FC_TGT_ATTRS is not set
CONFIG_SCSI_ISCSI_ATTRS=y
CONFIG_SCSI_SRP_ATTRS=y
# CONFIG_SCSI_LOWLEVEL is not set
CONFIG_SCSI_AIC7XXX=y
CONFIG_ATA=y
# CONFIG_ATA_NONSTANDARD is not set
CONFIG_ATA_ACPI=y
# CONFIG_SATA_PMP is not set
CONFIG_SATA_AHCI=y
# CONFIG_SATA_SIL24 is not set
CONFIG_ATA_SFF=y
CONFIG_SATA_SVW=y
CONFIG_ATA_PIIX=y
# CONFIG_SATA_MV is not set
CONFIG_SATA_NV=y
CONFIG_PDC_ADMA=y
CONFIG_SATA_QSTOR=y
# CONFIG_SATA_PROMISE is not set
CONFIG_SATA_SX4=y
CONFIG_SATA_SIL=m
CONFIG_SATA_SIS=m
CONFIG_SATA_ULI=y
# CONFIG_SATA_VIA is not set
# CONFIG_SATA_VITESSE is not set
CONFIG_SATA_INIC162X=y
CONFIG_PATA_ACPI=m
# CONFIG_PATA_ALI is not set
CONFIG_PATA_AMD=y
CONFIG_PATA_ARTOP=y
```

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```
CONFIG_PATA_ATIIXP=y
CONFIG_PATA_CMD640_PCI=m
# CONFIG_PATA_CMD64X is not set
CONFIG_PATA_CS5520=y
CONFIG_PATA_CS5530=m
# CONFIG_PATA_CYPRESS is not set
# CONFIG_PATA_EFAR is not set
CONFIG_ATA_GENERIC=m
# CONFIG_PATA_HPT366 is not set
# CONFIG_PATA_HPT37X is not set
# CONFIG_PATA_HPT3X2N is not set
# CONFIG_PATA_HPT3X3 is not set
CONFIG_PATA_IT821X=y
# CONFIG_PATA_IT8213 is not set
CONFIG_PATA_JMICRON=m
CONFIG_PATA_TRIFLEX=m
# CONFIG_PATA_MARVELL is not set
# CONFIG_PATA_MPIIX is not set
CONFIG_PATA_OLDPIIX=y
CONFIG_PATA_NETCELL=m
CONFIG_PATA_NINJA32=y
# CONFIG_PATA_NS87410 is not set
CONFIG_PATA_NS87415=y
# CONFIG_PATA_OPTI is not set
# CONFIG_PATA_OPTIDMA is not set
CONFIG_PATA_PDC_OLD=m
CONFIG_PATA_RADISYS=m
CONFIG_PATA_RZ1000=m
# CONFIG_PATA_SC1200 is not set
CONFIG_PATA_SERVERWORKS=y
CONFIG_PATA_PDC2027X=m
# CONFIG_PATA_SIL680 is not set
CONFIG_PATA_SIS=y
CONFIG_PATA_VIA=y
# CONFIG_PATA_WINBOND is not set
CONFIG_PATA_SCH=m
# CONFIG_MD is not set
# CONFIG_FUSION is not set

#
# IEEE 1394 (FireWire) support
#
# CONFIG_FIREWIRE is not set
CONFIG_IEEE1394=y

#
# Subsystem Options
#
# CONFIG_IEEE1394_VERBOSEDEBUG is not set

#
```

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```
# Controllers
#
CONFIG_IEEE1394_PCILYNX=m
# CONFIG_IEEE1394_OHCI1394 is not set

#
# Protocols
#
CONFIG_IEEE1394_SBP2=m
# CONFIG_IEEE1394_SBP2_PHYS_DMA is not set
# CONFIG_IEEE1394_ETH1394_ROM_ENTRY is not set
# CONFIG_IEEE1394_ETH1394 is not set
# CONFIG_IEEE1394_RAWIO is not set
CONFIG_I2O=m
CONFIG_I2O_LCT_NOTIFY_ON_CHANGES=y
# CONFIG_I2O_EXT_ADAPTEC is not set
# CONFIG_I2O_CONFIG is not set
CONFIG_I2O_BUS=m
# CONFIG_I2O_BLOCK is not set
CONFIG_I2O_SCSI=m
CONFIG_I2O_PROC=m
CONFIG_MACINTOSH_DRIVERS=y
CONFIG_MAC_EMUMOUSEBTN=y
CONFIG_NETDEVICES=y
CONFIG_NETDEVICES_MULTIQUEUE=y
# CONFIG_DUMMY is not set
# CONFIG_BONDING is not set
# CONFIG_MACVLAN is not set
# CONFIG_EQUALIZER is not set
CONFIG_TUN=y
# CONFIG_VETH is not set
CONFIG_NET_SB1000=m
CONFIG_ARCNET=m
# CONFIG_ARCNET_1201 is not set
# CONFIG_ARCNET_1051 is not set
# CONFIG_ARCNET_RAW is not set
CONFIG_ARCNET_CAP=m
CONFIG_ARCNET_COM90xx=m
# CONFIG_ARCNET_COM90xxIO is not set
# CONFIG_ARCNET_RIM_I is not set
# CONFIG_ARCNET_COM20020 is not set
CONFIG_PHYLIB=y

#
# MII PHY device drivers
#
CONFIG_MARVELL_PHY=y
# CONFIG_DAVICOM_PHY is not set
CONFIG_QSEMI_PHY=m
# CONFIG_LXT_PHY is not set
CONFIG_CICADA_PHY=y
```

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```
# CONFIG_VITESSE_PHY is not set
CONFIG_SMSC_PHY=m
# CONFIG_BROADCOM_PHY is not set
# CONFIG_ICPLUS_PHY is not set
CONFIG_REALTEK_PHY=m
CONFIG_FIXED_PHY=y
CONFIG_MDIO_BITBANG=m
CONFIG_NET_ETHERNET=y
CONFIG_MII=y
# CONFIG_HAPPYMEAL is not set
CONFIG_SUNGEM=m
# CONFIG_CASSINI is not set
CONFIG_NET_VENDOR_3COM=y
CONFIG_VORTEX=y
CONFIG_TYPHOON=y
CONFIG_NET_TULIP=y
CONFIG_DE2104X=m
CONFIG_TULIP=m
CONFIG_TULIP_MWI=y
# CONFIG_TULIP_MMIO is not set
# CONFIG_TULIP_NAPI is not set
CONFIG_DE4X5=y
# CONFIG_WINBOND_840 is not set
# CONFIG_DM9102 is not set
CONFIG_ULI526X=y
CONFIG_PCMCIA_XIRCOM=m
CONFIG_HP100=m
# CONFIG_IBM_NEW_EMAC_ZMII is not set
# CONFIG_IBM_NEW_EMAC_RGMII is not set
# CONFIG_IBM_NEW_EMAC_TAH is not set
# CONFIG_IBM_NEW_EMAC_EMAC4 is not set
CONFIG_NET_PCI=y
CONFIG_PCNET32=m
# CONFIG_AMD8111_ETH is not set
CONFIG_ADAPTEC_STARFIRE=m
# CONFIG_ADAPTEC_STARFIRE_NAPI is not set
CONFIG_B44=m
CONFIG_B44_PCI_AUTOSELECT=y
CONFIG_B44_PCICORE_AUTOSELECT=y
CONFIG_B44_PCI=y
CONFIG_FORCEDETH=y
# CONFIG_FORCEDETH_NAPI is not set
# CONFIG_EEPRO100 is not set
CONFIG_E100=y
CONFIG_FEALNX=m
CONFIG_NATSEMI=m
CONFIG_NE2K_PCI=y
CONFIG_8139CP=m
CONFIG_8139TOO=y
CONFIG_8139TOO_PIO=y
CONFIG_8139TOO_TUNE_TWISTER=y
```

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```
# CONFIG_8139TOO_8129 is not set
# CONFIG_8139_OLD_RX_RESET is not set
# CONFIG_R6040 is not set
# CONFIG_SIS900 is not set
# CONFIG_EPIC100 is not set
CONFIG_SUNDANCE=y
CONFIG_SUNDANCE_MMIO=y
CONFIG_VIA_RHINE=m
CONFIG_VIA_RHINE_MMIO=y
# CONFIG_VIA_RHINE_NAPI is not set
CONFIG_SC92031=m
CONFIG_NETDEV_1000=y
CONFIG_ACENIC=y
# CONFIG_ACENIC_OMIT_TIGON_I is not set
# CONFIG_DL2K is not set
CONFIG_E1000=y
# CONFIG_E1000_NAPI is not set
CONFIG_E1000_DISABLE_PACKET_SPLIT=y
# CONFIG_E1000E_ENABLED is not set
CONFIG_IP1000=m
CONFIG_IGB=y
CONFIG_NS83820=m
CONFIG_HAMACHI=y
# CONFIG_YELLOWFIN is not set
# CONFIG_R8169 is not set
CONFIG_SIS190=m
# CONFIG_SKGE is not set
CONFIG_SKY2=m
# CONFIG_SKY2_DEBUG is not set
# CONFIG_VIA_VELOCITY is not set
CONFIG_TIGON3=y
CONFIG_BNX2=y
# CONFIG_QLA3XXX is not set
# CONFIG_ATL1 is not set
# CONFIG_NETDEV_10000 is not set
CONFIG_TR=y
# CONFIG_IBMOL is not set
CONFIG_3C359=y
# CONFIG_TMS380TR is not set

#
# Wireless LAN
#
CONFIG_WLAN_PRE80211=y
# CONFIG_STRIP is not set
# CONFIG_WLAN_80211 is not set
# CONFIG_IWLWIFI_LEDS is not set

#
# USB Network Adapters
#
```

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```
CONFIG_USB_CATC=y
CONFIG_USB_KAWETH=y
CONFIG_USB_PEGASUS=m
CONFIG_USB_RTL8150=y
# CONFIG_USB_USBNET is not set
CONFIG_WAN=y
CONFIG_LANMEDIA=y
CONFIG_HDLC=m
CONFIG_HDLC_RAW=m
# CONFIG_HDLC_RAW_ETH is not set
# CONFIG_HDLC_CISCO is not set
CONFIG_HDLC_FR=m
CONFIG_HDLC_PPP=m
CONFIG_HDLC_X25=m
CONFIG_PCI200SYN=m
CONFIG_WANXL=m
CONFIG_PC300=m

#
# Cyclades-PC300 MLPPP support is disabled.
#

#
# Refer to the file README.mlppp, provided by PC300 package.
#
# CONFIG_PC300TOO is not set
# CONFIG_FARSYNC is not set
CONFIG_DSCC4=m
CONFIG_DSCC4_PCISYNC=y
# CONFIG_DSCC4_PCI_RST is not set
CONFIG_DLCI=y
CONFIG_DLCI_MAX=8
# CONFIG_LAPBETHER is not set
# CONFIG_X25_ASY is not set
# CONFIG_SBNI is not set
# CONFIG_ATM_DRIVERS is not set
CONFIG_FDDI=y
CONFIG_DEFXX=m
CONFIG_DEFXX_MMIO=y
# CONFIG_SKFP is not set
# CONFIG_HIPPI is not set
CONFIG_PPP=y
# CONFIG_PPP_MULTILINK is not set
CONFIG_PPP_FILTER=y
CONFIG_PPP_ASYNC=m
CONFIG_PPP_SYNC_TTY=y
# CONFIG_PPP_DEFLATE is not set
# CONFIG_PPP_BSDCOMP is not set
CONFIG_PPP_MPPE=m
CONFIG_PPPOE=m
# CONFIG_PPPOATM is not set
```

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```
CONFIG_PPPOL2TP=m
# CONFIG_SLIP is not set
CONFIG_SLHC=y
CONFIG_NET_FC=y
CONFIG_NETCONSOLE=y
# CONFIG_NETCONSOLE_DYNAMIC is not set
CONFIG_NETPOLL=y
# CONFIG_NETPOLL_TRAP is not set
CONFIG_NET_POLL_CONTROLLER=y
CONFIG_ISDN=m
# CONFIG_ISDN_I4L is not set
# CONFIG_ISDN_CAPI is not set
CONFIG_PHONE=y
CONFIG_PHONE_IXJ=y

#
# Input device support
#
CONFIG_INPUT=y
CONFIG_INPUT_FF_MEMLESS=m
CONFIG_INPUT_POLLDEV=y

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

#
# Input Device Drivers
#
CONFIG_INPUT_KEYBOARD=y
CONFIG_KEYBOARD_ATKBD=y
CONFIG_KEYBOARD_SUNKBD=m
CONFIG_KEYBOARD_LKKBD=y
# CONFIG_KEYBOARD_XTKBD is not set
CONFIG_KEYBOARD_NEWTON=m
CONFIG_KEYBOARD_STOWAWAY=y
# CONFIG_INPUT_MOUSE is not set
CONFIG_INPUT_JOYSTICK=y
# CONFIG_JOYSTICK_ANALOG is not set
CONFIG_JOYSTICK_A3D=m
# CONFIG_JOYSTICK_ADI is not set
CONFIG_JOYSTICK_COBRA=m
CONFIG_JOYSTICK_GF2K=y
# CONFIG_JOYSTICK_GRIP is not set
```

```
CONFIG_JOYSTICK_GRIP_MP=m
# CONFIG_JOYSTICK_GUILLEMOT is not set
CONFIG_JOYSTICK_INTERACT=m
CONFIG_JOYSTICK_SIDEWINDER=y
CONFIG_JOYSTICK_TMDC=y
CONFIG_JOYSTICK_IFORCE=m
# CONFIG_JOYSTICK_IFORCE_USB is not set
# CONFIG_JOYSTICK_IFORCE_232 is not set
# CONFIG_JOYSTICK_WARRIOR is not set
CONFIG_JOYSTICK_MAGELLAN=m
CONFIG_JOYSTICK_SPACEORB=y
CONFIG_JOYSTICK_SPACEBALL=m
CONFIG_JOYSTICK_STINGER=m
# CONFIG_JOYSTICK_TWIDJOY is not set
# CONFIG_JOYSTICK_ZHENHUA is not set
CONFIG_JOYSTICK_JOYDUMP=y
CONFIG_JOYSTICK_XPAD=m
CONFIG_JOYSTICK_XPAD_FF=y
CONFIG_INPUT_TABLET=y
# CONFIG_TABLET_USB_ACECAD is not set
CONFIG_TABLET_USB_AIPTEK=y
CONFIG_TABLET_USB_GTCO=m
CONFIG_TABLET_USB_KBTAB=m
CONFIG_TABLET_USB_WACOM=y
# CONFIG_INPUT_TOUCHSCREEN is not set
# CONFIG_INPUT_MISC is not set
```

#

Hardware I/O ports

#

```
CONFIG_SERIO=y
CONFIG_SERIO_I8042=y
CONFIG_SERIO_SERPORT=y
CONFIG_SERIO_CT82C710=y
CONFIG_SERIO_PCIPS2=m
CONFIG_SERIO_LIBPS2=y
CONFIG_SERIO_RAW=y
CONFIG_GAMEPORT=y
CONFIG_GAMEPORT_NS558=m
CONFIG_GAMEPORT_L4=y
CONFIG_GAMEPORT_EMU10K1=m
CONFIG_GAMEPORT_FM801=m
```

#

Character devices

#

```
CONFIG_VT=y
CONFIG_VT_CONSOLE=y
CONFIG_HW_CONSOLE=y
CONFIG_VT_HW_CONSOLE_BINDING=y
CONFIG_DEVKMEM=y
```

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```
CONFIG_SERIAL_NONSTANDARD=y
CONFIG_COMPUTONE=m
CONFIG_ROCKETPORT=m
# CONFIG_CYCLADES is not set
# CONFIG_DIGIEPCA is not set
# CONFIG_MOXA_INTELLIO is not set
CONFIG_MOXA_SMARTIO=m
# CONFIG_ISI is not set
CONFIG_SYNCLINK=y
CONFIG_SYNCLINKMP=y
CONFIG_SYNCLINK_GT=y
CONFIG_N_HDLC=m
# CONFIG_RISCOM8 is not set
CONFIG_SPECIALIX=y
CONFIG_SPECIALIX_RTSCCTS=y
CONFIG_SX=y
CONFIG_RIO=y
CONFIG_RIO_OLDPCI=y
CONFIG_STALDRV=y
# CONFIG_NOZOMI is not set

#
# Serial drivers
#
CONFIG_SERIAL_8250=y
CONFIG_SERIAL_8250_CONSOLE=y
CONFIG_FIX_EARLYCON_MEM=y
CONFIG_SERIAL_8250_PCI=y
CONFIG_SERIAL_8250_PNP=y
CONFIG_SERIAL_8250_NR_UARTS=4
CONFIG_SERIAL_8250_RUNTIME_UARTS=4
CONFIG_SERIAL_8250_EXTENDED=y
CONFIG_SERIAL_8250_MANY_PORTS=y
CONFIG_SERIAL_8250_SHARE_IRQ=y
CONFIG_SERIAL_8250_DETECT_IRQ=y
# CONFIG_SERIAL_8250_RSA is not set

#
# Non-8250 serial port support
#
CONFIG_SERIAL_CORE=y
CONFIG_SERIAL_CORE_CONSOLE=y
# CONFIG_SERIAL_JSM is not set
CONFIG_UNIX98_PTYS=y
# CONFIG_LEGACY_PTYS is not set
CONFIG_IPMI_HANDLER=m
CONFIG_IPMI_PANIC_EVENT=y
# CONFIG_IPMI_PANIC_STRING is not set
# CONFIG_IPMI_DEVICE_INTERFACE is not set
# CONFIG_IPMI_SI is not set
# CONFIG_IPMI_WATCHDOG is not set
```

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```
CONFIG_IPMI_POWEROFF=m
# CONFIG_HW_RANDOM is not set
CONFIG_NVRAM=m
CONFIG_R3964=m
# CONFIG_APPLICOM is not set
# CONFIG_MWAVE is not set
CONFIG_PC8736x_GPIO=m
CONFIG_NSC_GPIO=m
# CONFIG_RAW_DRIVER is not set
CONFIG_HPET=y
# CONFIG_HPET_RTC_IRQ is not set
# CONFIG_HPET_MMAP is not set
CONFIG_HANGCHECK_TIMER=m
CONFIG_TCG_TPM=m
CONFIG_TCG_TIS=m
# CONFIG_TCG_NSC is not set
# CONFIG_TCG_ATMEL is not set
# CONFIG_TCG_INFINEON is not set
# CONFIG_TELCLOCK is not set
CONFIG_DEVPорт=y
CONFIG_I2C=m
CONFIG_I2C_BOARDINFO=y
CONFIG_I2C_CHARDEV=m
CONFIG_I2C_ALGOBIT=m
CONFIG_I2C_ALGOPCA=m

#
# I2C Hardware Bus support
#
CONFIG_I2C_ALI1535=m
# CONFIG_I2C_ALI1563 is not set
CONFIG_I2C_ALI15X3=m
CONFIG_I2C_AMD756=m
CONFIG_I2C_AMD756_S4882=m
# CONFIG_I2C_AMD8111 is not set
# CONFIG_I2C_I801 is not set
# CONFIG_I2C_I810 is not set
CONFIG_I2C_PII4=m
CONFIG_I2C_NFORCE2=m
# CONFIG_I2C_OCORES is not set
CONFIG_I2C_PARPORT_LIGHT=m
# CONFIG_I2C_PROSAVAGE is not set
CONFIG_I2C_SAVAGE4=m
CONFIG_I2C_SIMTEC=m
# CONFIG_I2C_SIS5595 is not set
# CONFIG_I2C_SIS630 is not set
CONFIG_I2C_SIS96X=m
CONFIG_I2C_TAOS_EVM=m
# CONFIG_I2C_STUB is not set
# CONFIG_I2C_TINY_USB is not set
CONFIG_I2C_VIA=m
```

```
CONFIG_I2C_VIAPRO=m
# CONFIG_I2C_VOODOO3 is not set
CONFIG_I2C_PCA_PLATFORM=m

#
# Miscellaneous I2C Chip support
#
CONFIG_DS1682=m
CONFIG_SENSORS_EEPROM=m
# CONFIG_SENSORS_PCF8574 is not set
# CONFIG_PCF8575 is not set
# CONFIG_SENSORS_PCF8591 is not set
CONFIG_SENSORS_MAX6875=m
# CONFIG_SENSORS_TSL2550 is not set
# CONFIG_I2C_DEBUG_CORE is not set
# CONFIG_I2C_DEBUG_ALGO is not set
# CONFIG_I2C_DEBUG_BUS is not set
# CONFIG_I2C_DEBUG_CHIP is not set
# CONFIG_SPI is not set
CONFIG_W1=y
# CONFIG_W1_CON is not set

#
# 1-wire Bus Masters
#
CONFIG_W1_MASTER_MATROX=y
# CONFIG_W1_MASTER_DS2490 is not set
CONFIG_W1_MASTER_DS2482=m

#
# 1-wire Slaves
#
CONFIG_W1_SLAVE_THERM=m
# CONFIG_W1_SLAVE_SMEM is not set
CONFIG_W1_SLAVE_DS2433=y
# CONFIG_W1_SLAVE_DS2433_CRC is not set
CONFIG_W1_SLAVE_DS2760=m
CONFIG_POWER_SUPPLY=y
# CONFIG_POWER_SUPPLY_DEBUG is not set
# CONFIG_PDA_POWER is not set
CONFIG_BATTERY_DS2760=m
# CONFIG_HWMON is not set
CONFIG_THERMAL=y
CONFIG_WATCHDOG=y
CONFIG_WATCHDOG_NOWAYOUT=y

#
# Watchdog Device Drivers
#
# CONFIG_SOFT_WATCHDOG is not set
CONFIG_ACQUIRE_WDT=y
```

```
CONFIG_ADVANTECH_WDT=m
# CONFIG_ALIM1535_WDT is not set
# CONFIG_ALIM7101_WDT is not set
CONFIG_SC520_WDT=m
CONFIG_IB700_WDT=m
# CONFIG_IBMASR is not set
CONFIG_WAFER_WDT=m
CONFIG_I6300ESB_WDT=m
CONFIG_ITCO_WDT=m
CONFIG_ITCO_VENDOR_SUPPORT=y
# CONFIG_IT8712F_WDT is not set
CONFIG_HP_WATCHDOG=m
# CONFIG_SC1200_WDT is not set
# CONFIG_PC87413_WDT is not set
CONFIG_60XX_WDT=m
# CONFIG_SBC8360_WDT is not set
CONFIG_CPU5_WDT=y
CONFIG_SMSC37B787_WDT=y
# CONFIG_W83627HF_WDT is not set
CONFIG_W83697HF_WDT=m
CONFIG_W83877F_WDT=y
CONFIG_W83977F_WDT=y
CONFIG_MACHZ_WDT=m
CONFIG_SBC_EPX_C3_WATCHDOG=y

#
# PCI-based Watchdog Cards
#
CONFIG_PCIPCWATCHDOG=m
# CONFIG_WDTPCI is not set

#
# USB-based Watchdog Cards
#
CONFIG_USBPCWATCHDOG=y

#
# Sonics Silicon Backplane
#
CONFIG_SSB_POSSIBLE=y
CONFIG_SSB=m
CONFIG_SSB_SPROM=y
CONFIG_SSB_PCIHOST_POSSIBLE=y
CONFIG_SSB_PCIHOST=y
# CONFIG_SSB_B43_PCI_BRIDGE is not set
# CONFIG_SSB_DEBUG is not set
CONFIG_SSB_DRIVER_PCICORE_POSSIBLE=y
CONFIG_SSB_DRIVER_PCICORE=y

#
# Multifunction device drivers
```

```
#
CONFIG_MFD_SM501=m
CONFIG_HTC_PASIC3=y

#
# Multimedia devices
#

#
# Multimedia core support
#
CONFIG_VIDEO_DEV=y
CONFIG_VIDEO_V4L2_COMMON=m
# CONFIG_VIDEO_ALLOW_V4L1 is not set
# CONFIG_VIDEO_V4L1_COMPAT is not set
# CONFIG_DVB_CORE is not set
CONFIG_VIDEO_MEDIA=y

#
# Multimedia drivers
#
# CONFIG_MEDIA_ATTACH is not set
CONFIG_MEDIA_TUNER=m
# CONFIG_MEDIA_TUNER_CUSTOMIZE is not set
CONFIG_MEDIA_TUNER_SIMPLE=m
CONFIG_MEDIA_TUNER_TDA8290=m
CONFIG_MEDIA_TUNER_TDA9887=m
CONFIG_MEDIA_TUNER_TEA5761=m
CONFIG_MEDIA_TUNER_TEA5767=m
CONFIG_MEDIA_TUNER_MT20XX=m
CONFIG_MEDIA_TUNER_XC2028=m
CONFIG_MEDIA_TUNER_XC5000=m
CONFIG_VIDEO_V4L2=m
# CONFIG_VIDEO_CAPTURE_DRIVERS is not set
CONFIG_RADIO_ADAPTERS=y
CONFIG_RADIO_GEMTEK_PCI=m
# CONFIG_RADIO_MAXIRADIO is not set
CONFIG_RADIO_MAESTRO=m
CONFIG_USB_DSBR=m
CONFIG_USB_SI470X=m
# CONFIG_DAB is not set

#
# Graphics support
#
CONFIG_AGP=y
CONFIG_AGP_AMD64=y
CONFIG_AGP_INTEL=y
CONFIG_AGP_SIS=m
CONFIG_AGP_VIA=y
CONFIG_DRM=m
```

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```
# CONFIG_DRM_TDFX is not set
CONFIG_DRM_R128=m
# CONFIG_DRM_RADEON is not set
CONFIG_DRM_I810=m
# CONFIG_DRM_I830 is not set
CONFIG_DRM_I915=m
# CONFIG_DRM_MGA is not set
CONFIG_DRM_SIS=m
CONFIG_DRM_VIA=m
CONFIG_DRM_SAVAGE=m
CONFIG_VGASTATE=y
CONFIG_VIDEO_OUTPUT_CONTROL=y
CONFIG_FB=y
# CONFIG_FIRMWARE_EDID is not set
CONFIG_FB_DDC=m
CONFIG_FB_CFB_FILLRECT=y
CONFIG_FB_CFB_COPYAREA=y
CONFIG_FB_CFB_IMAGEBLIT=y
# CONFIG_FB_CFB_REV_PIXELS_IN_BYTE is not set
CONFIG_FB_SYS_FILLRECT=m
CONFIG_FB_SYS_COPYAREA=m
CONFIG_FB_SYS_IMAGEBLIT=m
# CONFIG_FB_FOREIGN_ENDIAN is not set
CONFIG_FB_SYS_FOPS=m
CONFIG_FB_DEFERRED_IO=y
CONFIG_FB_HECUBA=m
CONFIG_FB_SVGALIB=y
# CONFIG_FB_MACMODES is not set
# CONFIG_FB_BACKLIGHT is not set
CONFIG_FB_MODE_HELPERS=y
CONFIG_FB_TILEBLITTING=y

#
# Frame buffer hardware drivers
#
CONFIG_FB_PM2=m
# CONFIG_FB_PM2_FIFO_DISCONNECT is not set
CONFIG_FB_CYBER2000=m
# CONFIG_FB_ARC is not set
# CONFIG_FB_IMSTT is not set
CONFIG_FB_UVESA=y
CONFIG_FB_EFI=y
# CONFIG_FB_IMAC is not set
CONFIG_FB_N411=m
CONFIG_FB_HGA=y
# CONFIG_FB_HGA_ACCEL is not set
# CONFIG_FB_S1D13XXX is not set
# CONFIG_FB_NVIDIA is not set
CONFIG_FB_RIVA=y
# CONFIG_FB_RIVA_I2C is not set
# CONFIG_FB_RIVA_DEBUG is not set
```

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```
# CONFIG_FB_RIVA_BACKLIGHT is not set
CONFIG_FB_LE80578=y
CONFIG_FB_CARILLO_RANCH=y
# CONFIG_FB_INTEL is not set
CONFIG_FB_MATROX=m
# CONFIG_FB_MATROX_MILLENIUM is not set
CONFIG_FB_MATROX_MYSTIQUE=y
# CONFIG_FB_MATROX_G is not set
# CONFIG_FB_MATROX_I2C is not set
# CONFIG_FB_MATROX_MULTIHEAD is not set
CONFIG_FB_ATY128=m
# CONFIG_FB_ATY128_BACKLIGHT is not set
# CONFIG_FB_ATY is not set
CONFIG_FB_S3=y
CONFIG_FB_SAVAGE=m
CONFIG_FB_SAVAGE_I2C=y
# CONFIG_FB_SAVAGE_ACCEL is not set
CONFIG_FB_SIS=m
# CONFIG_FB_SIS_300 is not set
# CONFIG_FB_SIS_315 is not set
CONFIG_FB_NEOMAGIC=m
CONFIG_FB_KYRO=m
CONFIG_FB_3DFX=m
# CONFIG_FB_3DFX_ACCEL is not set
CONFIG_FB_VOODOO1=y
CONFIG_FB_VT8623=y
CONFIG_FB_TRIDENT=m
CONFIG_FB_TRIDENT_ACCEL=y
CONFIG_FB_ARK=m
CONFIG_FB_PM3=m
# CONFIG_FB_GEODE is not set
# CONFIG_FB_SM501 is not set
CONFIG_BACKLIGHT_LCD_SUPPORT=y
# CONFIG_LCD_CLASS_DEVICE is not set
CONFIG_BACKLIGHT_CLASS_DEVICE=y
# CONFIG_BACKLIGHT_CORGI is not set
CONFIG_BACKLIGHT_PROGEAR=m

#
# Display device support
#
# CONFIG_DISPLAY_SUPPORT is not set

#
# Console display driver support
#
CONFIG_VGA_CONSOLE=y
# CONFIG_VGACON_SOFT_SCROLLBACK is not set
CONFIG_VIDEO_SELECT=y
CONFIG_DUMMY_CONSOLE=y
CONFIG_FONT_8x16=y
```

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```
CONFIG_LOGO=y
# CONFIG_LOGO_LINUX_MONO is not set
# CONFIG_LOGO_LINUX_VGA16 is not set
CONFIG_LOGO_LINUX_CLUT224=y

#
# Sound
#
CONFIG_SOUND=m

#
# Advanced Linux Sound Architecture
#
# CONFIG_SND is not set

#
# Open Sound System
#
CONFIG_SOUND_PRIME=m
CONFIG_SOUND_TRIDENT=m
# CONFIG_HID_SUPPORT is not set
CONFIG_USB_MOUSE=y
CONFIG_USB_SUPPORT=y
CONFIG_USB_ARCH_HAS_HCD=y
CONFIG_USB_ARCH_HAS_OHCI=y
CONFIG_USB_ARCH_HAS_EHCI=y
CONFIG_USB=y
# CONFIG_USB_DEBUG is not set
# CONFIG_USB_ANNOUNCE_NEW_DEVICES is not set

#
# Miscellaneous USB options
#
# CONFIG_USB_DEVICEFS is not set
CONFIG_USB_DEVICE_CLASS=y
CONFIG_USB_DYNAMIC_MINORS=y
CONFIG_USB_SUSPEND=y
# CONFIG_USB_OTG is not set

#
# USB Host Controller Drivers
#
CONFIG_USB_C67X00_HCD=m
CONFIG_USB_EHCI_HCD=y
CONFIG_USB_EHCI_ROOT_HUB_TT=y
# CONFIG_USB_EHCI_TT_NEWSCHED is not set
# CONFIG_USB_ISP116X_HCD is not set
CONFIG_USB_ISP1760_HCD=y
CONFIG_USB_ISP1760_PCI=y
CONFIG_USB_OHCI_HCD=y
# CONFIG_USB_OHCI_BIG_ENDIAN_DESC is not set
```

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```
# CONFIG_USB_OHCI_BIG_ENDIAN_MMIO is not set
CONFIG_USB_OHCI_LITTLE_ENDIAN=y
CONFIG_USB_UHCI_HCD=y
CONFIG_USB_U132_HCD=m
# CONFIG_USB_SL811_HCD is not set
# CONFIG_USB_R8A66597_HCD is not set

#
# USB Device Class drivers
#
CONFIG_USB_ACM=y
CONFIG_USB_PRINTER=y
# CONFIG_USB_WDM is not set

#
# NOTE: USB_STORAGE enables SCSI, and 'SCSI disk support'
#

#
# may also be needed; see USB_STORAGE Help for more information
#
CONFIG_USB_STORAGE=y
CONFIG_USB_STORAGE_DEBUG=y
# CONFIG_USB_STORAGE_DATAFAB is not set
CONFIG_USB_STORAGE_FREECOM=y
CONFIG_USB_STORAGE_ISD200=y
# CONFIG_USB_STORAGE_DPCM is not set
# CONFIG_USB_STORAGE_USBAT is not set
# CONFIG_USB_STORAGE_SDDR09 is not set
CONFIG_USB_STORAGE_SDDR55=y
CONFIG_USB_STORAGE_JUMPHOT=y
# CONFIG_USB_STORAGE_ALAUDA is not set
# CONFIG_USB_STORAGE_ONETOUCH is not set
# CONFIG_USB_STORAGE_KARMA is not set
CONFIG_USB_STORAGE_CYPRESS_ATACB=y
# CONFIG_USB_LIBUSUAL is not set

#
# USB Imaging devices
#
# CONFIG_USB_MDC800 is not set
CONFIG_USB_MICROTEK=m
CONFIG_USB_MON=y

#
# USB port drivers
#
CONFIG_USB_SERIAL=m
CONFIG_USB_EZUSB=y
CONFIG_USB_SERIAL_GENERIC=y
# CONFIG_USB_SERIAL_AIRCABLE is not set
```

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```
# CONFIG_USB_SERIAL_AIRPRIME is not set
CONFIG_USB_SERIAL_ARK3116=m
CONFIG_USB_SERIAL_BELKIN=m
CONFIG_USB_SERIAL_CH341=m
# CONFIG_USB_SERIAL_WHITEHEAT is not set
# CONFIG_USB_SERIAL_DIGI_ACCELEPORT is not set
# CONFIG_USB_SERIAL_CP2101 is not set
# CONFIG_USB_SERIAL_CYPRESS_M8 is not set
CONFIG_USB_SERIAL_EMPEG=m
CONFIG_USB_SERIAL_FTDI_SIO=m
# CONFIG_USB_SERIAL_FUNSOFT is not set
# CONFIG_USB_SERIAL_VISOR is not set
# CONFIG_USB_SERIAL_IPAQ is not set
# CONFIG_USB_SERIAL_IR is not set
CONFIG_USB_SERIAL_EDGEPORT=m
CONFIG_USB_SERIAL_EDGEPORT_TI=m
# CONFIG_USB_SERIAL_GARMIN is not set
CONFIG_USB_SERIAL_IPW=m
# CONFIG_USB_SERIAL_IUU is not set
CONFIG_USB_SERIAL_KEYSPAN_PDA=m
CONFIG_USB_SERIAL_KEYSPAN=m
# CONFIG_USB_SERIAL_KEYSPAN_MPR is not set
CONFIG_USB_SERIAL_KEYSPAN_USA28=y
CONFIG_USB_SERIAL_KEYSPAN_USA28X=y
CONFIG_USB_SERIAL_KEYSPAN_USA28XA=y
CONFIG_USB_SERIAL_KEYSPAN_USA28XB=y
# CONFIG_USB_SERIAL_KEYSPAN_USA19 is not set
# CONFIG_USB_SERIAL_KEYSPAN_USA18X is not set
CONFIG_USB_SERIAL_KEYSPAN_USA19W=y
CONFIG_USB_SERIAL_KEYSPAN_USA19QW=y
# CONFIG_USB_SERIAL_KEYSPAN_USA19QI is not set
CONFIG_USB_SERIAL_KEYSPAN_USA49W=y
CONFIG_USB_SERIAL_KEYSPAN_USA49WLC=y
CONFIG_USB_SERIAL_KLSI=m
CONFIG_USB_SERIAL_KOBIL_SCT=m
CONFIG_USB_SERIAL_MCT_U232=m
CONFIG_USB_SERIAL_MOS7720=m
# CONFIG_USB_SERIAL_MOS7840 is not set
CONFIG_USB_SERIAL_MOTOROLA=m
# CONFIG_USB_SERIAL_NAVMAN is not set
CONFIG_USB_SERIAL_PL2303=m
CONFIG_USB_SERIAL_OTI6858=m
CONFIG_USB_SERIAL_SPCP8X5=m
# CONFIG_USB_SERIAL_HP4X is not set
CONFIG_USB_SERIAL_SAFE=m
# CONFIG_USB_SERIAL_SAFE_PADDED is not set
# CONFIG_USB_SERIAL_SIERRAWIRELESS is not set
# CONFIG_USB_SERIAL_TI is not set
CONFIG_USB_SERIAL_CYBERJACK=m
# CONFIG_USB_SERIAL_XIRCOM is not set
CONFIG_USB_SERIAL_OPTION=m
```

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```
# CONFIG_USB_SERIAL_OMNINET is not set
CONFIG_USB_SERIAL_DEBUG=m

#
# USB Miscellaneous drivers
#
CONFIG_USB_EMI62=m
CONFIG_USB_EMI26=m
CONFIG_USB_ADUTUX=m
# CONFIG_USB_AUERSWALD is not set
CONFIG_USB_RIO500=m
CONFIG_USB_LEGOTOWER=m
CONFIG_USB_LCD=y
CONFIG_USB_BERRY_CHARGE=y
CONFIG_USB_LED=m
CONFIG_USB_CYPRESS_CY7C63=m
# CONFIG_USB_CYTHERM is not set
# CONFIG_USB_PHIDGET is not set
CONFIG_USB_IDMOUSE=m
CONFIG_USB_FTDI_ELAN=m
CONFIG_USB_APPLEDISPLAY=y
CONFIG_USB_SISUSBVGA=m
CONFIG_USB_SISUSBVGA_CON=y
CONFIG_USB_LD=m
# CONFIG_USB_TRANCEVIBRATOR is not set
# CONFIG_USB_IOWARRIOR is not set
CONFIG_USB_ATM=m
# CONFIG_USB_SPEEDTOUCH is not set
# CONFIG_USB_CXACRU is not set
CONFIG_USB_UEAGLEATM=m
# CONFIG_USB_XUSBATM is not set
CONFIG_USB_GADGET=y
# CONFIG_USB_GADGET_DEBUG_FILES is not set
# CONFIG_USB_GADGET_DEBUG_FS is not set
CONFIG_USB_GADGET_SELECTED=y
# CONFIG_USB_GADGET_AMD5536UDC is not set
# CONFIG_USB_GADGET_ATMEL_USBA is not set
# CONFIG_USB_GADGET_FSL_USB2 is not set
# CONFIG_USB_GADGET_NET2280 is not set
# CONFIG_USB_GADGET_PXA2XX is not set
CONFIG_USB_GADGET_M66592=y
CONFIG_USB_M66592=y
# CONFIG_USB_GADGET_PXA27X is not set
# CONFIG_USB_GADGET_GOKU is not set
# CONFIG_USB_GADGET_LH7A40X is not set
# CONFIG_USB_GADGET_OMAP is not set
# CONFIG_USB_GADGET_S3C2410 is not set
# CONFIG_USB_GADGET_AT91 is not set
# CONFIG_USB_GADGET_DUMMY_HCD is not set
CONFIG_USB_GADGET_DUALSPEED=y
# CONFIG_USB_ZERO is not set
```

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```
CONFIG_USB_ETH=y
# CONFIG_USB_ETH_RNDIS is not set
# CONFIG_USB_GADGETFS is not set
# CONFIG_USB_FILE_STORAGE is not set
# CONFIG_USB_G_SERIAL is not set
# CONFIG_USB_MIDI_GADGET is not set
# CONFIG_USB_G_PRINTER is not set
CONFIG_MMC=y
CONFIG_MMC_DEBUG=y
CONFIG_MMC_UNSAFE_RESUME=y

#
# MMC/SD Card Drivers
#
CONFIG_MMC_BLOCK=m
# CONFIG_MMC_BLOCK_BOUNCE is not set
# CONFIG_SDIO_UART is not set
CONFIG_MMC_TEST=y

#
# MMC/SD Host Controller Drivers
#
CONFIG_MMC_SDHCI=y
CONFIG_MMC_RICOH_MMC=m
CONFIG_MMC_WBSD=m
CONFIG_MMC_TIFM_SD=y
CONFIG_MEMSTICK=m
CONFIG_MEMSTICK_DEBUG=y

#
# MemoryStick drivers
#
# CONFIG_MEMSTICK_UNSAFE_RESUME is not set
CONFIG_MSPRO_BLOCK=m

#
# MemoryStick Host Controller Drivers
#
CONFIG_MEMSTICK_TIFM_MS=m
CONFIG_MEMSTICK_JMICRON_38X=m
CONFIG_NEW_LEDS=y
# CONFIG_LEDS_CLASS is not set

#
# LED drivers
#

#
# LED Triggers
#
CONFIG_LEDS_TRIGGERS=y
```

```
CONFIG_LEDS_TRIGGER_TIMER=m
CONFIG_LEDS_TRIGGER_HEARTBEAT=y
CONFIG_LEDS_TRIGGER_DEFAULT_ON=y
CONFIG_ACCESSIBILITY=y
CONFIG_A11Y_BRAILLE_CONSOLE=y
CONFIG_INFINIBAND=y
CONFIG_INFINIBAND_USER_MAD=y
# CONFIG_INFINIBAND_USER_ACCESS is not set
CONFIG_INFINIBAND_ADDR_TRANS=y
CONFIG_INFINIBAND_MTHCA=m
CONFIG_INFINIBAND_MTHCA_DEBUG=y
# CONFIG_INFINIBAND_IPATH is not set
# CONFIG_INFINIBAND_AMSO1100 is not set
# CONFIG_MLX4_INFINIBAND is not set
CONFIG_INFINIBAND_NES=y
# CONFIG_INFINIBAND_NES_DEBUG is not set
# CONFIG_INFINIBAND_IPOIB is not set
# CONFIG_INFINIBAND_SRP is not set
# CONFIG_INFINIBAND_ISER is not set
# CONFIG_EDAC is not set
CONFIG_RTC_LIB=y
CONFIG_RTC_CLASS=y
# CONFIG_RTC_HCTOSYS is not set
CONFIG_RTC_DEBUG=y

#
# RTC interfaces
#
CONFIG_RTC_INTF_SYSFS=y
CONFIG_RTC_INTF_PROC=y
# CONFIG_RTC_INTF_DEV is not set
CONFIG_RTC_DRV_TEST=m

#
# I2C RTC drivers
#
CONFIG_RTC_DRV_DS1307=m
# CONFIG_RTC_DRV_DS1374 is not set
# CONFIG_RTC_DRV_DS1672 is not set
# CONFIG_RTC_DRV_MAX6900 is not set
CONFIG_RTC_DRV_RS5C372=m
CONFIG_RTC_DRV_ISL1208=m
CONFIG_RTC_DRV_X1205=m
CONFIG_RTC_DRV_PCF8563=m
CONFIG_RTC_DRV_PCF8583=m
# CONFIG_RTC_DRV_M41T80 is not set
CONFIG_RTC_DRV_S35390A=m

#
# SPI RTC drivers
#
```

```
#
# Platform RTC drivers
#
CONFIG_RTC_DRV_CMOS=m
CONFIG_RTC_DRV_DS1511=m
CONFIG_RTC_DRV_DS1553=m
# CONFIG_RTC_DRV_DS1742 is not set
CONFIG_RTC_DRV_STK17TA8=m
CONFIG_RTC_DRV_M48T86=y
# CONFIG_RTC_DRV_M48T59 is not set
CONFIG_RTC_DRV_V3020=m

#
# on-CPU RTC drivers
#
CONFIG_DMADEVICES=y

#
# DMA Devices
#
# CONFIG_INTEL_IOATDMA is not set
CONFIG_UIO=y
# CONFIG_UIO_CIF is not set
CONFIG_UIO_SMX=y

#
# Firmware Drivers
#
# CONFIG_EDD is not set
CONFIG_EFI_VARS=m
CONFIG_DELL_RBU=y
# CONFIG_DCDBAS is not set
CONFIG_DMIID=y
# CONFIG_ISCSI_IBFT_FIND is not set

#
# File systems
#
# CONFIG_EXT2_FS is not set
CONFIG_EXT3_FS=y
CONFIG_EXT3_FS_XATTR=y
CONFIG_EXT3_FS_POSIX_ACL=y
CONFIG_EXT3_FS_SECURITY=y
CONFIG_EXT4DEV_FS=y
CONFIG_EXT4DEV_FS_XATTR=y
# CONFIG_EXT4DEV_FS_POSIX_ACL is not set
# CONFIG_EXT4DEV_FS_SECURITY is not set
CONFIG_JBD=y
CONFIG_JBD_DEBUG=y
CONFIG_JBD2=y
```

```
# CONFIG_JBD2_DEBUG is not set
CONFIG_FS_MBCACHE=y
CONFIG_REISERFS_FS=y
CONFIG_REISERFS_CHECK=y
# CONFIG_REISERFS_PROC_INFO is not set
# CONFIG_REISERFS_FS_XATTR is not set
CONFIG_JFS_FS=m
# CONFIG_JFS_POSIX_ACL is not set
CONFIG_JFS_SECURITY=y
CONFIG_JFS_DEBUG=y
# CONFIG_JFS_STATISTICS is not set
CONFIG_FS_POSIX_ACL=y
# CONFIG_XFS_FS is not set
CONFIG_GFS2_FS=m
CONFIG_GFS2_FS_LOCKING_NOLOCK=m
# CONFIG_GFS2_FS_LOCKING_DLM is not set
CONFIG_OCFS2_FS=y
CONFIG_OCFS2_FS_O2CB=y
# CONFIG_OCFS2_FS_USERSPACE_CLUSTER is not set
CONFIG_OCFS2_DEBUG_MASKLOG=y
# CONFIG_OCFS2_DEBUG_FS is not set
CONFIG_DNOTIFY=y
CONFIG_INOTIFY=y
CONFIG_INOTIFY_USER=y
# CONFIG_QUOTA is not set
CONFIG_AUTOFS_FS=m
CONFIG_AUTOFS4_FS=m
CONFIG_FUSE_FS=m
```

```
#
# CD-ROM/DVD Filesystems
#
CONFIG_ISO9660_FS=m
# CONFIG_JOLIET is not set
CONFIG_ZISOFS=y
CONFIG_UDF_FS=m
CONFIG_UDF_NLS=y
```

```
#
# DOS/FAT/NT Filesystems
#
CONFIG_FAT_FS=m
# CONFIG_MSDOS_FS is not set
CONFIG_VFAT_FS=m
CONFIG_FAT_DEFAULT_CODEPAGE=437
CONFIG_FAT_DEFAULT_IOCHARSET="iso8859-1"
CONFIG_NTFS_FS=y
# CONFIG_NTFS_DEBUG is not set
# CONFIG_NTFS_RW is not set
```

```
#
```

```
# Pseudo filesystems
#
CONFIG_PROC_FS=y
CONFIG_PROC_KCORE=y
CONFIG_PROC_VMCORE=y
CONFIG_PROC_SYSCTL=y
CONFIG_SYSFS=y
CONFIG_TMPFS=y
# CONFIG_TMPFS_POSIX_ACL is not set
CONFIG_HUGETLBFS=y
CONFIG_HUGETLB_PAGE=y
CONFIG_CONFIGFS_FS=y

#
# Miscellaneous filesystems
#
# CONFIG_ADFS_FS is not set
CONFIG_AFFS_FS=m
CONFIG_HFS_FS=m
CONFIG_HFSPLUS_FS=y
CONFIG_BEFS_FS=m
CONFIG_BEFS_DEBUG=y
CONFIG_BFS_FS=y
# CONFIG_EFS_FS is not set
CONFIG_CRAMFS=m
CONFIG_VXFS_FS=m
# CONFIG_MINIX_FS is not set
# CONFIG_HPFS_FS is not set
CONFIG_QNX4FS_FS=m
CONFIG_ROMFS_FS=y
# CONFIG_SYSV_FS is not set
# CONFIG_UFS_FS is not set
# CONFIG_NETWORK_FILESYSTEMS is not set

#
# Partition Types
#
CONFIG_PARTITION_ADVANCED=y
# CONFIG_ACORN_PARTITION is not set
CONFIG_OSF_PARTITION=y
# CONFIG_AMIGA_PARTITION is not set
# CONFIG_ATARI_PARTITION is not set
# CONFIG_MAC_PARTITION is not set
CONFIG_MSDOS_PARTITION=y
CONFIG_BSD_DISKLABEL=y
CONFIG_MINIX_SUBPARTITION=y
CONFIG_SOLARIS_X86_PARTITION=y
# CONFIG_UNIXWARE_DISKLABEL is not set
CONFIG_LDM_PARTITION=y
CONFIG_LDM_DEBUG=y
# CONFIG_SGI_PARTITION is not set
```

```
# CONFIG_ULTRIX_PARTITION is not set
CONFIG_SUN_PARTITION=y
# CONFIG_KARMA_PARTITION is not set
# CONFIG_EFI_PARTITION is not set
# CONFIG_SYSV68_PARTITION is not set
CONFIG_NLS=y
CONFIG_NLS_DEFAULT="iso8859-1"
CONFIG_NLS_CODEPAGE_437=m
CONFIG_NLS_CODEPAGE_737=m
# CONFIG_NLS_CODEPAGE_775 is not set
CONFIG_NLS_CODEPAGE_850=m
CONFIG_NLS_CODEPAGE_852=m
# CONFIG_NLS_CODEPAGE_855 is not set
CONFIG_NLS_CODEPAGE_857=y
CONFIG_NLS_CODEPAGE_860=m
CONFIG_NLS_CODEPAGE_861=m
CONFIG_NLS_CODEPAGE_862=y
CONFIG_NLS_CODEPAGE_863=m
CONFIG_NLS_CODEPAGE_864=y
CONFIG_NLS_CODEPAGE_865=y
CONFIG_NLS_CODEPAGE_866=m
CONFIG_NLS_CODEPAGE_869=m
CONFIG_NLS_CODEPAGE_936=y
CONFIG_NLS_CODEPAGE_950=m
# CONFIG_NLS_CODEPAGE_932 is not set
CONFIG_NLS_CODEPAGE_949=m
CONFIG_NLS_CODEPAGE_874=y
# CONFIG_NLS_ISO8859_8 is not set
# CONFIG_NLS_CODEPAGE_1250 is not set
CONFIG_NLS_CODEPAGE_1251=y
CONFIG_NLS_ASCII=y
# CONFIG_NLS_ISO8859_1 is not set
# CONFIG_NLS_ISO8859_2 is not set
CONFIG_NLS_ISO8859_3=y
# CONFIG_NLS_ISO8859_4 is not set
CONFIG_NLS_ISO8859_5=y
CONFIG_NLS_ISO8859_6=m
CONFIG_NLS_ISO8859_7=m
CONFIG_NLS_ISO8859_9=m
CONFIG_NLS_ISO8859_13=y
CONFIG_NLS_ISO8859_14=m
CONFIG_NLS_ISO8859_15=y
CONFIG_NLS_KOI8_R=m
# CONFIG_NLS_KOI8_U is not set
CONFIG_NLS_UTF8=y
CONFIG_DLM=m
# CONFIG_DLM_DEBUG is not set

#
# Kernel hacking
#
```

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```
CONFIG_TRACE_IRQFLAGS_SUPPORT=y
CONFIG_PRINTK_TIME=y
# CONFIG_ENABLE_WARN_DEPRECATED is not set
CONFIG_ENABLE_MUST_CHECK=y
CONFIG_FRAME_WARN=2048
CONFIG_MAGIC_SYSRQ=y
CONFIG_UNUSED_SYMBOLS=y
CONFIG_DEBUG_FS=y
CONFIG_HEADERS_CHECK=y
# CONFIG_DEBUG_KERNEL is not set
CONFIG_SCHED_DEBUG=y
CONFIG_SCHEDSTATS=y
CONFIG_TRACE_IRQFLAGS=y
CONFIG_STACKTRACE=y
CONFIG_DEBUG_BUGVERBOSE=y
CONFIG_FRAME_POINTER=y
CONFIG_LATENCYTOP=y
CONFIG_HAVE_FTRACE=y
CONFIG_HAVE_DYNAMIC_FTRACE=y
CONFIG_TRACER_MAX_TRACE=y
CONFIG_TRACING=y
CONFIG_FTRACE=y
CONFIG_IRQSOFF_TRACER=y
# CONFIG_SYSPROF_TRACER is not set
# CONFIG_SCHED_TRACER is not set
CONFIG_CONTEXT_SWITCH_TRACER=y
CONFIG_DYNAMIC_FTRACE=y
# CONFIG_FTRACE_STARTUP_TEST is not set
# CONFIG_PROVIDE_OHCI1394_DMA_INIT is not set
# CONFIG_SAMPLES is not set
CONFIG_HAVE_ARCH_KGDB=y
# CONFIG_NONPROMISC_DEVMEM is not set
CONFIG_EARLY_PRINTK=y
CONFIG_X86_MPPARSE=y
CONFIG_IO_DELAY_TYPE_0X80=0
CONFIG_IO_DELAY_TYPE_0XED=1
CONFIG_IO_DELAY_TYPE_UDELAY=2
CONFIG_IO_DELAY_TYPE_NONE=3
# CONFIG_IO_DELAY_0X80 is not set
CONFIG_IO_DELAY_0XED=y
# CONFIG_IO_DELAY_UDELAY is not set
# CONFIG_IO_DELAY_NONE is not set
CONFIG_DEFAULT_IO_DELAY_TYPE=1

#
# Security options
#
CONFIG_KEYS=y
CONFIG_KEYS_DEBUG_PROC_KEYS=y
CONFIG_SECURITY=y
CONFIG_SECURITY_NETWORK=y
```

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```
# CONFIG_SECURITY_NETWORK_XFRM is not set
CONFIG_SECURITY_CAPABILITIES=y
# CONFIG_SECURITY_FILE_CAPABILITIES is not set
CONFIG_SECURITY_DEFAULT_MMAP_MIN_ADDR=0
CONFIG_CRYPT=y
```

```
#
# Crypto core or helper
#
CONFIG_CRYPT_ALGAPI=y
CONFIG_CRYPT_AEAD=y
CONFIG_CRYPT_BLKIPHER=y
CONFIG_CRYPT_HASH=y
CONFIG_CRYPT_MANAGER=y
CONFIG_CRYPT_GF128MUL=y
# CONFIG_CRYPT_NULL is not set
# CONFIG_CRYPT_CRYPTD is not set
CONFIG_CRYPT_AUTHENC=m
# CONFIG_CRYPT_TEST is not set
```

```
#
# Authenticated Encryption with Associated Data
#
CONFIG_CRYPT_CCM=y
CONFIG_CRYPT_GCM=y
CONFIG_CRYPT_SEQIV=y
```

```
#
# Block modes
#
CONFIG_CRYPT_CBC=m
CONFIG_CRYPT_CTR=y
CONFIG_CRYPT_CTS=m
CONFIG_CRYPT_ECB=y
CONFIG_CRYPT_LRW=y
CONFIG_CRYPT_PCBC=m
CONFIG_CRYPT_XTS=y
```

```
#
# Hash modes
#
CONFIG_CRYPT_HMAC=y
# CONFIG_CRYPT_XCBC is not set
```

```
#
# Digest
#
# CONFIG_CRYPT_CRC32C is not set
# CONFIG_CRYPT_MD4 is not set
CONFIG_CRYPT_MD5=y
CONFIG_CRYPT_MICHAEL_MIC=m
```

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```
CONFIG_CRYPT_SHA1=y
CONFIG_CRYPT_SHA256=y
CONFIG_CRYPT_SHA512=y
CONFIG_CRYPT_TGR192=y
# CONFIG_CRYPT_WP512 is not set

#
# Ciphers
#
CONFIG_CRYPT_AES=y
CONFIG_CRYPT_AES_X86_64=m
CONFIG_CRYPT_ANUBIS=m
CONFIG_CRYPT_ARC4=y
# CONFIG_CRYPT_BLOWFISH is not set
CONFIG_CRYPT_CAMELLIA=m
CONFIG_CRYPT_CAST5=m
CONFIG_CRYPT_CAST6=m
CONFIG_CRYPT_DES=m
CONFIG_CRYPT_FCRYPT=m
CONFIG_CRYPT_KHAZAD=m
CONFIG_CRYPT_SALSA20=m
CONFIG_CRYPT_SALSA20_X86_64=m
# CONFIG_CRYPT_SEED is not set
CONFIG_CRYPT_SERPENT=m
CONFIG_CRYPT_TEA=m
# CONFIG_CRYPT_TWOFISH is not set
CONFIG_CRYPT_TWOFISH_COMMON=m
CONFIG_CRYPT_TWOFISH_X86_64=m

#
# Compression
#
CONFIG_CRYPT_DEFLATE=y
# CONFIG_CRYPT_LZO is not set
# CONFIG_CRYPT_HW is not set
CONFIG_HAVE_KVM=y
# CONFIG_VIRTUALIZATION is not set

#
# Library routines
#
CONFIG_BITREVERSE=y
CONFIG_GENERIC_FIND_FIRST_BIT=y
CONFIG_GENERIC_FIND_NEXT_BIT=y
CONFIG_CRC_CCITT=y
CONFIG_CRC16=y
CONFIG_CRC_ITU_T=m
CONFIG_CRC32=y
# CONFIG_CRC7 is not set
CONFIG_LIBCRC32C=y
CONFIG_ZLIB_INFLATE=y
```

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[bug] stuck localhost TCP connections, v2.6.26-rc3+

```
CONFIG_ZLIB_DEFLATE=y
CONFIG_PLIST=y
CONFIG_HAS_IOMEM=y
CONFIG_HAS_IOPORT=y
CONFIG_HAS_DMA=y
CONFIG_FORCE_SUCCESSFUL_BUILD=y
CONFIG_FORCE_MINIMAL_CONFIG=y
CONFIG_FORCE_MINIMAL_CONFIG_64=y
CONFIG_FORCE_MINIMAL_CONFIG_PHYS=y
```

[42949372.960000] Linux version 2.6.26-rc3-sched-devel.git (mingo@titan) (gcc version 4.2.3) #115 SMP
Sat May 24 04:25:10 CEST 2008

[42949372.960000] Command line: root=/dev/sda1 earlyprintk=vga console=ttyS0,115200 console=tty 3
profile=0 debug initcall_debug apic=debug apic=verbose ignore_loglevel sysrq_always_enabled pci=noms

[42949372.960000] BIOS-provided physical RAM map:

[42949372.960000] BIOS-e820: 0000000000000000 - 000000000009fc00 (usable)

[42949372.960000] BIOS-e820: 000000000009fc00 - 00000000000a0000 (reserved)

[42949372.960000] BIOS-e820: 00000000000e0000 - 0000000000100000 (reserved)

[42949372.960000] BIOS-e820: 0000000000100000 - 00000000003ed93000 (usable)

[42949372.960000] BIOS-e820: 00000000003ed93000 - 00000000003ee4d000 (ACPI NVS)

[42949372.960000] BIOS-e820: 00000000003ee4d000 - 00000000003fea2000 (usable)

[42949372.960000] BIOS-e820: 00000000003fea2000 - 00000000003fee9000 (ACPI NVS)

[42949372.960000] BIOS-e820: 00000000003fee9000 - 00000000003feed000 (usable)

[42949372.960000] BIOS-e820: 00000000003feed000 - 00000000003feff000 (ACPI data)

[42949372.960000] BIOS-e820: 00000000003feff000 - 00000000003ff00000 (usable)

[42949372.960000] console [earlyvga0] enabled

[42949372.960000] debug: ignoring loglevel setting.

[42949372.960000] Entering add_active_range(0, 0, 159) 0 entries of 25600 used

[42949372.960000] Entering add_active_range(0, 256, 257427) 1 entries of 25600 used

[42949372.960000] Entering add_active_range(0, 257613, 261794) 2 entries of 25600 used

[42949372.960000] Entering add_active_range(0, 261865, 261869) 3 entries of 25600 used

[42949372.960000] Entering add_active_range(0, 261887, 261888) 4 entries of 25600 used

[42949372.960000] max_pfn_mapped = 261888

[42949372.960000] init_memory_mapping

[42949372.960000] DMI 2.3 present.

[42949372.960000] ACPI: RSDP 000FE020, 0014 (r0 INTEL)

[42949372.960000] ACPI: RSDT 3FEFDE48, 003C (r1 INTEL D975XBX 4B9 MSFT 1000013)

[42949372.960000] ACPI: FACP 3FEFCF10, 0074 (r1 INTEL D975XBX 4B9 MSFT 1000013)

[42949372.960000] ACPI: DSDT 3FEF8010, 3E70 (r1 INTEL D975XBX 4B9 MSFT 1000013)

[42949372.960000] ACPI: FACS 3FEDFC40, 0040

[42949372.960000] ACPI: APIC 3FEFCE10, 0078 (r1 INTEL D975XBX 4B9 MSFT 1000013)

[42949372.960000] ACPI: WDDT 3FEF7F90, 0040 (r1 INTEL D975XBX 4B9 MSFT 1000013)

[42949372.960000] ACPI: MCFG 3FEF7F10, 003C (r1 INTEL D975XBX 4B9 MSFT 1000013)

[42949372.960000] ACPI: ASF! 3FEFCD10, 00A6 (r32 INTEL D975XBX 4B9 MSFT 1000013)

[42949372.960000] ACPI: HPET 3FEF7E90, 0038 (r1 INTEL D975XBX 4B9 MSFT 1000013)

[42949372.960000] No NUMA configuration found

[42949372.960000] Faking a node at 0000000000000000-000000003ff00000

[42949372.960000] Entering add_active_range(0, 0, 159) 0 entries of 25600 used

[42949372.960000] Entering add_active_range(0, 256, 257427) 1 entries of 25600 used

[42949372.960000] Entering add_active_range(0, 257613, 261794) 2 entries of 25600 used

[42949372.960000] Entering add_active_range(0, 261865, 261869) 3 entries of 25600 used

[bug] stuck localhost TCP connections, v2.6.26-rc3+

[bug] stuck localhost TCP connections, v2.6.26-rc3+

```
[42949372.960000] Entering add_active_range(0, 261887, 261888) 4 entries of 25600 used
[42949372.960000] Bootmem setup node 0 0000000000000000-000000003fff0000
[42949372.960000] NODE_DATA [000000000000a000 - 000000000003dfff]
[42949372.960000] bootmap [000000000003e000 - 0000000000045fdf] pages 8
[42949372.960000] early res: 0 [0-fff] BIOS data page
[42949372.960000] early res: 1 [6000-7fff] TRAMPOLINE
[42949372.960000] early res: 2 [20000-132a92f] TEXT DATA BSS
[42949372.960000] early res: 3 [9fc00-ffff] BIOS reserved
[42949372.960000] early res: 4 [8000-9fff] PGTABLE
[42949372.960000] Scan SMP from ffff810000000000 for 1024 bytes.
[42949372.960000] Scan SMP from ffff81000009fc00 for 1024 bytes.
[42949372.960000] Scan SMP from ffff8100000f0000 for 65536 bytes.
[42949372.960000] Zone PFN ranges:
[42949372.960000] DMA 0 -> 4096
[42949372.960000] DMA32 4096 -> 1048576
[42949372.960000] Normal 1048576 -> 1048576
[42949372.960000] Movable zone start PFN for each node
[42949372.960000] early_node_map[5] active PFN ranges
[42949372.960000] 0: 0 -> 159
[42949372.960000] 0: 256 -> 257427
[42949372.960000] 0: 257613 -> 261794
[42949372.960000] 0: 261865 -> 261869
[42949372.960000] 0: 261887 -> 261888
[42949372.960000] On node 0 totalpages: 261516
[42949372.960000] DMA zone: 56 pages used for memmap
[42949372.960000] DMA zone: 103 pages reserved
[42949372.960000] DMA zone: 3840 pages, LIFO batch:0
[42949372.960000] DMA32 zone: 3524 pages used for memmap
[42949372.960000] DMA32 zone: 253993 pages, LIFO batch:31
[42949372.960000] Normal zone: 0 pages used for memmap
[42949372.960000] Movable zone: 0 pages used for memmap
[42949372.960000] ACPI: PM-Timer IO Port: 0x408
[42949372.960000] ACPI: Local APIC address 0xfe00000
[42949372.960000] ACPI: LAPIC (acpi_id[0x01] lapic_id[0x00] enabled)
[42949372.960000] ACPI: LAPIC (acpi_id[0x02] lapic_id[0x01] enabled)
[42949372.960000] ACPI: LAPIC (acpi_id[0x03] lapic_id[0x82] disabled)
[42949372.960000] ACPI: LAPIC (acpi_id[0x04] lapic_id[0x83] disabled)
[42949372.960000] ACPI: LAPIC_NMI (acpi_id[0x01] dfl dfl lint[0x1])
[42949372.960000] ACPI: LAPIC_NMI (acpi_id[0x02] dfl dfl lint[0x1])
[42949372.960000] ACPI: IOAPIC (id[0x02] address[0xfec00000] gsi_base[0])
[42949372.960000] IOAPIC[0]: apic_id 2, version 0, address 0xfec00000, GSI 0-23
[42949372.960000] ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl dfl)
[42949372.960000] ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 high level)
[42949372.960000] ACPI: IRQ0 used by override.
[42949372.960000] ACPI: IRQ2 used by override.
[42949372.960000] ACPI: IRQ9 used by override.
[42949372.960000] Setting APIC routing to flat
[42949372.960000] ACPI: HPET id: 0x8086a201 base: 0xfed00000
[42949372.960000] Using ACPI (MADT) for SMP configuration information
[42949372.960000] mapped APIC to ffffffff5fb000 ( fee00000)
[42949372.960000] mapped IOAPIC to ffffffff5fa000 (00000000fec00000)
```

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[42949372.960000] PM: Registered nosave memory: 000000000009f000 – 00000000000a0000
[42949372.960000] PM: Registered nosave memory: 00000000000a0000 – 00000000000e0000
[42949372.960000] PM: Registered nosave memory: 00000000000e0000 – 0000000000100000
[42949372.960000] PM: Registered nosave memory: 0000000003ed93000 – 0000000003ee4d000
[42949372.960000] PM: Registered nosave memory: 0000000003fea2000 – 0000000003fee9000
[42949372.960000] PM: Registered nosave memory: 0000000003feed000 – 0000000003feff000
[42949372.960000] Allocating PCI resources starting at 40000000 (gap: 3ff00000:c0100000)
[42949372.960000] SMP: Allowing 4 CPUs, 2 hotplug CPUs
[42949372.960000] PERCPU: Allocating 40496 bytes of per cpu data
[42949372.960000] NR_CPUS: 4096, nr_cpu_ids: 4, nr_node_ids 1
[42949372.960000] Built 1 zonelists in Node order, mobility grouping on. Total pages: 257833
[42949372.960000] Policy zone: DMA32
[42949372.960000] Kernel command line: root=/dev/sda1 earlyprintk=vga console=ttyS0,115200 console=tty
3 profile=0 debug initcall_debug apic=debug apic=verbose ignore_loglevel sysrq_always_enabled pci=noms
[42949372.960000] kernel profiling enabled (shift: 0)
[42949372.960000] debug: sysrq alw