

## [OOPS] 2.6.0-test5-bk12

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-09/6847.html>

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**From:** Stephen Lynch (*Stephen\_Lynch\_at\_rocketmail.com*)

**Date:** 09/26/03

Date: Fri, 26 Sep 2003 11:59:40 -0700 (PDT)

To: linux-kernel@vger.kernel.org

Hi,

I've just built a 2.6.0-test5-bk12 kernel on a dell poweredge 1300 with onboard scsi and dual p3 450 processors. After booting the following oops was displayed. I've included some of the output of dmesg which shows some possible errors after the scsi driver is loaded. Im not sure if this is the cause of the problem.

I can provide more information if necessary. Please CC me in replies as im not subscribed to the list.

Regards,  
Stephen

Linux poweredge 2.6.0-test5-bk12 #2 SMP Fri Sep 26 20:45:59 IST 2003  
i686 i686 i386 GNU/Linux

Gnu C 3.2.2  
Gnu make 3.79.1  
util-linux 2.11y  
mount 2.11y  
module-init-tools 2.4.25  
e2fsprogs 1.32  
jfsutils 1.0.17  
reiserfsprogs 3.6.4  
pcmcia-cs 3.1.31  
quota-tools 3.06.  
PPP 2.4.1  
isd4k-utils 3.1pre4  
nfs-utils 1.0.5  
Linux C Library 2.3.2  
Dynamic linker (ld) 2.3.2  
Procs 2.0.11  
Net-tools 1.60  
Kbd 1.08  
Sh-utils 4.5.3  
Modules Loaded autofs ipt\_REJECT iptable\_filter ip\_tables

aic7xxx parport\_pc parport

ksymoops 2.4.9 on i686 2.6.0-test5-bk12. Options used

- V (default)
- k /proc/ksyms (default)
- l /proc/modules (default)
- o /lib/modules/2.6.0-test5-bk12/ (default)
- m /boot/System.map-2.6.0-test5-bk12 (specified)

Error (regular\_file): read\_ksyms stat /proc/ksyms failed

No modules in ksyms, skipping objects

No ksyms, skipping lsmod

ACPI: LAPIC\_NMI (acpi\_id[0x01] polarity[0x1] trigger[0x1] lint[0x1])

ACPI: LAPIC\_NMI (acpi\_id[0x02] polarity[0x1] trigger[0x1] lint[0x1])

CPU 1 IS NOW UP!

Unable to handle kernel paging request at virtual address ffffffff

c01bcb70

\*pde = 00003067

Oops: 0000 [#1]

CPU: 1

EIP: 0060:[<c01bcb70>] Not tainted

Using defaults from ksymoops -t elf32-i386 -a i386

EFLAGS: 00010282

eax: ffffffff ebx: ffffffff ecx: ffffffff edx: 00000000

esi: c03941e0 edi: c03515a4 ebp: d08da1c8 esp: cfa81eb0

ds: 007b es: 007b ss: 0068

Stack: ffffffff cffe1a80 c03515a4 c016e6c0 ffffffff c03941e0 ffffffff

cffe1a80

c018f2a7 ffffffff 000041ed c018f200 d08da1e4 00000000 c018f326

d08da1e4

cffe1a80 d08da1e8 00000000 d08da1e4 c01b9c4f d08da1e4 d08da1e4

c035160c

Call Trace:

[<c016e6c0>] dput+0x30/0x1b0

[<c018f2a7>] create\_dir+0x87/0xa0

[<c018f200>] init\_dir+0x0/0x20

[<c018f326>] sysfs\_create\_dir+0x36/0x80

[<c01b9c4f>] create\_dir+0x1f/0x50

[<c01ba119>] kobject\_add+0x99/0x110

[<c01ba1b3>] kobject\_register+0x23/0x60

[<c01e407a>] bus\_add\_driver+0x4a/0xb0

[<c01c180a>] pci\_register\_driver+0x7a/0xb0

[<d08c6513>] ahc\_linux\_pci\_init+0x13/0x40 [aic7xxx]

[<d08be9d3>] ahc\_linux\_detect+0x43/0xb0 [aic7xxx]

[<d084800f>] ahc\_linux\_init+0xf/0x22 [aic7xxx]

[<c01381d6>] sys\_init\_module+0x126/0x1e0

[<c010b04d>] sysenter\_past\_esp+0x52/0x71

Code: 8b 39 89 fa 4a 74 12 89 f8 f0 0f b1 11 31 db 39 f8 75 ed 89

>>EIP; c01bcb70 <atomic\_dec\_and\_lock+10/44> <=====

```
>>eax; ffffffff <__kernel_rt_sigreturn+1baf/????>
>>ebx; ffffffff <__kernel_rt_sigreturn+1baf/????>
>>ecx; ffffffff <__kernel_rt_sigreturn+1baf/????>
>>esi; c03941e0 <dcache_lock+0/20>
>>edi; c03515a4 <pci_bus_type+4/100>
>>ebp; d08da1c8 <__crc_class_device_get+bd1b5/380e05>
>>esp; cfa81eb0 <__crc_input_accept_process+8efc6/20435d>
```

```
Trace; c016e6c0 <dput+30/1b0>
Trace; c018f2a7 <create_dir+87/a0>
Trace; c018f200 <init_dir+0/20>
Trace; c018f326 <sysfs_create_dir+36/80>
Trace; c01b9c4f <create_dir+1f/50>
Trace; c01ba119 <kobject_add+99/110>
Trace; c01ba1b3 <kobject_register+23/60>
Trace; c01e407a <bus_add_driver+4a/b0>
Trace; c01c180a <pci_register_driver+7a/b0>
Trace; d08c6513 <__crc_class_device_get+a9500/380e05>
Trace; d08be9d3 <__crc_class_device_get+a19c0/380e05>
Trace; d084800f <__crc_class_device_get+2affc/380e05>
Trace; c01381d6 <sys_init_module+126/1e0>
Trace; c010b04d <sysenter_past_esp+52/71>
```

```
Code; c01bcb70 <atomic_dec_and_lock+10/44>
00000000 <_EIP>:
Code; c01bcb70 <atomic_dec_and_lock+10/44> <=====
 0: 8b 39 mov (%ecx),%edi <=====
Code; c01bcb72 <atomic_dec_and_lock+12/44>
 2: 89 fa mov %edi,%edx
Code; c01bcb74 <atomic_dec_and_lock+14/44>
 4: 4a dec %edx
Code; c01bcb75 <atomic_dec_and_lock+15/44>
 5: 74 12 je 19 <_EIP+0x19>
Code; c01bcb77 <atomic_dec_and_lock+17/44>
 7: 89 f8 mov %edi,%eax
Code; c01bcb79 <atomic_dec_and_lock+19/44>
 9: f0 0f b1 11 lock cmpxchg %edx,(%ecx)
Code; c01bcb7d <atomic_dec_and_lock+1d/44>
 d: 31 db xor %ebx,%ebx
Code; c01bcb7f <atomic_dec_and_lock+1f/44>
 f: 39 f8 cmp %edi,%eax
 0: 8b 39 mov (%ecx),%edi <=====
Code; c01bcb72 <atomic_dec_and_lock+12/44>
 2: 89 fa mov %edi,%edx
Code; c01bcb74 <atomic_dec_and_lock+14/44>
 4: 4a dec %edx
Code; c01bcb75 <atomic_dec_and_lock+15/44>
 5: 74 12 je 19 <_EIP+0x19>
Code; c01bcb77 <atomic_dec_and_lock+17/44>
 7: 89 f8 mov %edi,%eax
Code; c01bcb79 <atomic_dec_and_lock+19/44>
```

```
9: f0 0f b1 11 lock cmpxchg %edx,(%ecx)
Code; c01bcb7d <atomic_dec_and_lock+1d/44>
d: 31 db xor %ebx,%ebx
Code; c01bcb7f <atomic_dec_and_lock+1f/44>
f: 39 f8 cmp %edi,%eax
Code; c01bcb81 <atomic_dec_and_lock+21/44>
11: 75 ed jne 0 <_EIP>
Code; c01bcb83 <atomic_dec_and_lock+23/44>
13: 89 00 mov %eax,(%eax)
```

ide: Assuming 33MHz system bus speed for PIO modes; override with  
idebus=xx

PIIX4: IDE controller at PCI slot 0000:00:07.1

PIIX4: chipset revision 1

PIIX4: not 100% native mode: will probe irqs later

ide0: BM-DMA at 0xffa0-0xffa7, BIOS settings: hda:DMA, hdb:pio

hda: CD-ROM CDU701, ATAPI CD/DVD-ROM drive

ide0 at 0x1f0-0x1f7,0x3f6 on irq 14

ide-floppy driver 0.99.newide

scsi0 : Adaptec AIC7XXX EISA/VLB/PCI SCSI HBA DRIVER, Rev 6.2.35

<Adaptec aic7890/91 Ultra2 SCSI adapter>

aic7890/91: Ultra2 Wide Channel A, SCSI Id=7, 32/253 SCBs

(scsi0:A:6): 40.000MB/s transfers (20.000MHz, offset 15, 16bit)

Vendor: IBM Model: DCAS-34330W Rev: S65A

Type: Direct-Access ANSI SCSI revision: 02

scsi0:A:6:0: Tagged Queuing enabled. Depth 253

SCSI device sda: 8467200 512-byte hdwr sectors (4335 MB)

SCSI device sda: drive cache: write back

sda: sda1 sda2

Attached scsi disk sda at scsi0, channel 0, id 6, lun 0

mice: PS/2 mouse device common for all mice

input: ImPS/2 Logitech Wheel Mouse on isa0060/serio1

serio: i8042 AUX port at 0x60,0x64 irq 12

input: AT Set 2 keyboard on isa0060/serio0

serio: i8042 KBD port at 0x60,0x64 irq 1

EISA: Probing bus 0 at eisa0

NET: Registered protocol family 2

IP: routing cache hash table of 2048 buckets, 16Kbytes

TCP: Hash tables configured (established 16384 bind 16384)

NET: Registered protocol family 1

NET: Registered protocol family 17

kjournald starting. Commit interval 5 seconds

EXT3-fs: mounted filesystem with ordered data mode.

VFS: Mounted root (ext3 filesystem) readonly.

Freeing unused kernel memory: 288k freed

EXT3 FS on sda1, internal journal

Adding 546200k swap on /dev/sda2. Priority:-1 extents:1

(scsi0:A:6:0): CDB: 0x12 0x1 0x80 0x0 0x60 0x0

(scsi0:A:6:0): Saw underflow (76 of 96 bytes). Treated as error

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(scsi0:A:6:0): Saw underflow (76 of 96 bytes). Treated as error  
(scsi0:A:6:0): CDB: 0x12 0x1 0x80 0x0 0x60 0x0  
(scsi0:A:6:0): Saw underflow (76 of 96 bytes). Treated as error  
(scsi0:A:6:0): CDB: 0x12 0x1 0x80 0x0 0x60 0x0  
(scsi0:A:6:0): Saw underflow (76 of 96 bytes). Treated as error  
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(scsi0:A:6:0): Saw underflow (76 of 96 bytes). Treated as error  
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(scsi0:A:6:0): Saw underflow (76 of 96 bytes). Treated as error  
(scsi0:A:6:0): CDB: 0x12 0x1 0x80 0x0 0x60 0x0  
kudzu: numerical sysctl 1 23 is obsolete.  
parport0: PC-style at 0x378 (0x778) [PCSPP,TRISTATE,EPP]  
parport0: irq 7 detected  
parport0: cpp\_daisy: aa5500ff(08)  
parport0: assign\_addrs: aa5500ff(08)  
parport0: cpp\_daisy: aa5500ff(08)  
parport0: assign\_addrs: aa5500ff(08)  
Unable to handle kernel paging request at virtual address fffffffe  
printing eip:

processor : 0  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 7  
model name : Pentium III (Katmai)  
stepping : 3  
cpu MHz : 448.634  
cache size : 512 KB  
fdiv\_bug : no  
hlt\_bug : no  
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 mmx fxsr sse  
bogomips : 884.73

processor : 1  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 7

model name : Pentium III (Katmai)  
stepping : 3  
cpu MHz : 448.634  
cache size : 512 KB  
fdiv\_bug : no  
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f00f\_bug : no  
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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 mmx fxsr sse  
bogomips : 894.97

[root@poweredge linux-2.6.0-test5-bk12]# more /proc/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  
01f0-01f7 : ide0  
0378-037a : parport0  
037b-037f : parport0  
03c0-03df : vga+  
03f6-03f6 : ide0  
0800-083f : 0000:00:07.3  
0840-085f : 0000:00:07.3  
0cf8-0cff : PCI conf1  
c800-c8ff : 0000:00:0d.0  
  c800-c8ff : tulip  
cce0-ccff : 0000:00:07.2  
d000-dfff : PCI Bus #02  
  dc00-dcff : 0000:02:0b.0  
e000-efff : PCI Bus #01  
  ec00-ecff : 0000:01:00.0  
ffa0-ffaf : 0000:00:07.1  
  ffa0-ffa7 : ide0

[root@poweredge linux-2.6.0-test5-bk12]# more /proc/iomem

00000000-0009ffff : System RAM  
000a0000-000bffff : Video RAM area  
000c8000-000ccfff : Extension ROM  
000f0000-000fffff : System ROM  
00100000-0ffffdff : System RAM  
  00100000-002d220f : Kernel code

002d2210-0039437f : Kernel data  
0fffe000-0ffffff : reserved  
f0000000-f3ffffff : 0000:00:00.0  
f5000000-f5ffffff : PCI Bus #02  
f6000000-f6ffffff : PCI Bus #01  
f9000000-faffffff : PCI Bus #02  
f9fff000-f9ffffff : 0000:02:0b.0  
f9fff000-f9ffffff : aic7xxx  
fb000000-fdffffff : PCI Bus #01  
fbfff000-fbffffff : 0000:01:00.0  
fc000000-fcffffff : 0000:01:00.0  
fe000000-fe0000ff : 0000:00:0d.0  
fe000000-fe0000ff : tulip  
fec00000-fec0ffff : reserved  
fee00000-fee0ffff : reserved  
fff80000-fffffff : reserved

```
[root@poweredge linux-2.6.0-test5-bk12]# lspci -vvv
00:00.0 Host bridge: Intel Corp. 440BX/ZX/DX - 82443BX/ZX/DX Host
bridge (rev 03)
    Subsystem: Dell Computer Corporation: Unknown device 008e
    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 f0000000 (32-bit, prefetchable) [size=64M]
    Capabilities: [a0] AGP version 1.0
        Status: RQ=31 SBA+ 64bit- FW- Rate=x1,x2
        Command: RQ=0 SBA- AGP- 64bit- FW- Rate=<none>

00:01.0 PCI bridge: Intel Corp. 440BX/ZX/DX - 82443BX/ZX/DX AGP bridge
(rev 03) (prog-if 00 [Normal decode])
    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
    Bus: primary=00, secondary=01, subordinate=01, sec-latency=32
    I/O behind bridge: 0000e000-0000efff
    Memory behind bridge: fb000000-fdffffff
    Prefetchable memory behind bridge: f6000000-f6ffffff
    BridgeCtl: Parity- SERR- NoISA- VGA+ MAbort- >Reset- FastB2B+

00:02.0 PCI bridge: Digital Equipment Corporation DECchip 21152 (rev
03) (prog-if 00 [Normal decode])
    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, cache line size 08
```

Bus: primary=00, secondary=02, subordinate=02, sec-latency=32  
I/O behind bridge: 0000d000-0000dfff  
Memory behind bridge: f9000000-faffffff  
Prefetchable memory behind bridge:  
00000000f5000000-00000000f5f00000  
BridgeCtl: Parity- SERR+ NoISA+ VGA- MAbort- >Reset- FastB2B-  
Capabilities: [dc] Power Management version 1  
Flags: PMEClk- DSI- D1- D2- AuxCurrent=220mA  
PME(D0-,D1-,D2-,D3hot-,D3cold-)  
Status: D0 PME-Enable- DSel=0 DScale=0 PME-  
Bridge: PM- B3+

00:07.0 ISA bridge: Intel Corp. 82371AB/EB/MB PIIX4 ISA (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: 0

00:07.1 IDE interface: Intel Corp. 82371AB/EB/MB PIIX4 IDE (rev 01)  
(prog-if 80 [Master])  
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  
Region 4: I/O ports at ffa0 [size=16]

00:07.2 USB Controller: Intel Corp. 82371AB/EB/MB PIIX4 USB (rev 01)  
(prog-if 00 [UHCI])  
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  
Interrupt: pin D routed to IRQ 19  
Region 4: I/O ports at cce0 [size=32]

00:07.3 Bridge: Intel Corp. 82371AB/EB/MB PIIX4 ACPI (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-  
Interrupt: pin ? routed to IRQ 9

00:0d.0 Ethernet controller: Lite-On Communications Inc LNE100TX (rev 20)  
Subsystem: Netgear FA310TX  
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

Interrupt: pin A routed to IRQ 17

Region 0: I/O ports at c800 [size=256]

Region 1: Memory at fe000000 (32-bit, non-prefetchable)

[size=256]

Expansion ROM at f8000000 [disabled] [size=256K]

01:00.0 VGA compatible controller: ATI Technologies Inc 3D Rage IIC AGP (rev 7a) (prog-if 00 [VGA])

Subsystem: Dell Computer Corporation: Unknown device 008e

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 (2000ns min), cache line size 08

Region 0: Memory at fc000000 (32-bit, non-prefetchable)

[size=16M]

Region 1: I/O ports at ec00 [size=256]

Region 2: Memory at fbfff000 (32-bit, non-prefetchable)

[size=4K]

Expansion ROM at <unassigned> [disabled] [size=128K]

Capabilities: [5c] 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-

02:0b.0 SCSI storage controller: Adaptec AHA-2940U2/U2W / 7890/7891 (rev 01)

Subsystem: Adaptec 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: 32 (9750ns min, 6250ns max), cache line size 08

Interrupt: pin A routed to IRQ 16

BIST result: 00

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

Region 1: Memory at f9fff000 (64-bit, non-prefetchable)

[size=4K]

Expansion ROM at fa000000 [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-

[root@poweredge linux-2.6.0-test5-bk12]# cat /proc/scsi/scsi

Attached devices:

Host: scsi0 Channel: 00 Id: 06 Lun: 00

Vendor: IBM Model: DCAS-34330W Rev: S65A

Type: Direct-Access ANSI SCSI revision: 02

```
[root@poweredge linux-2.6.0-test5-bk12]# cat .config
#
# 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=y

#
# General setup
#
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
CONFIG_BSD_PROCESS_ACCT=y
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

#
# Loadable module support
#
CONFIG_MODULES=y
# CONFIG_MODULE_UNLOAD is not set
CONFIG_OBSOLETE_MODPARM=y
CONFIG_MODVERSIONS=y
CONFIG_KMOD=y

#
# Processor type and features
#
CONFIG_X86_PC=y
# 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=y
# CONFIG_MPENTIUM4 is not set
# CONFIG_MK6 is not set
# CONFIG_MK7 is not set
# CONFIG_MK8 is not set
# CONFIG_MELAN 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=5
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 is not set
# CONFIG_HPET_EMULATE_RTC is not set
CONFIG_SMP=y
CONFIG_NR_CPUS=8
# CONFIG_PREEMPT is not set
CONFIG_X86_LOCAL_APIC=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_TSC=y
CONFIG_X86_MCE=y
# CONFIG_X86_MCE_NONFATAL is not set
# CONFIG_X86_MCE_P4THERMAL is not set
# CONFIG_TOSHIBA is not set
# CONFIG_I8K is not set
CONFIG_MICROCODE=m
CONFIG_X86_MSR=m
CONFIG_X86_CPUID=m
CONFIG_EDD=m
# CONFIG_NOHIGHMEM is not set
```

```
CONFIG_HIGHMEM4G=y
# CONFIG_HIGHMEM64G is not set
CONFIG_HIGHMEM=y
# CONFIG_HIGHPTE is not set
# CONFIG_MATH_EMULATION is not set
CONFIG_MTRR=y
CONFIG_HAVE_DEC_LOCK=y

#
# Power management options (ACPI, APM)
#
# CONFIG_PM is not set

#
# ACPI (Advanced Configuration and Power Interface) Support
#
CONFIG_ACPI_HT=y
# CONFIG_ACPI is not set
CONFIG_ACPI_BOOT=y

#
# 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_LEGACY_PROC is not set
CONFIG_PCI_NAMES=y
CONFIG_ISA=y
CONFIG_EISA=y
# CONFIG_EISA_VLB_PRIMING is not set
CONFIG_EISA_PCI_EISA=y
CONFIG_EISA_VIRTUAL_ROOT=y
CONFIG_EISA_NAMES=y
# CONFIG_MCA is not set
# CONFIG_SCx200 is not set
CONFIG_HOTPLUG=y

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

```
#
# PCI Hotplug Support
#
CONFIG_HOTPLUG_PCI=y
# CONFIG_HOTPLUG_PCI_FAKE is not set
CONFIG_HOTPLUG_PCI_COMPAQ=m
# CONFIG_HOTPLUG_PCI_COMPAQ_NVRAM is not set
CONFIG_HOTPLUG_PCI_IBM=m
# CONFIG_HOTPLUG_PCI_CPCI is not set

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

#
# 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_FIFO is not set
# CONFIG_PARPORT_PC_SUPERIO 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

#
# Protocols
#
CONFIG_ISAPNP=y
# CONFIG_PNPBIOS is not set

#
# Block devices
```

```
#
CONFIG_BLK_DEV_FD=y
CONFIG_BLK_DEV_XD=m
CONFIG_PARIDE=m
CONFIG_PARIDE_PARPORT=m

#
# Parallel IDE high-level drivers
#
CONFIG_PARIDE_PD=m
CONFIG_PARIDE_PCD=m
CONFIG_PARIDE_PF=m
CONFIG_PARIDE_PT=m
CONFIG_PARIDE_PG=m

#
# Parallel IDE protocol modules
#
CONFIG_PARIDE_ATEN=m
CONFIG_PARIDE_BPCK=m
CONFIG_PARIDE_BPCK6=m
CONFIG_PARIDE_COMM=m
CONFIG_PARIDE_DSTR=m
CONFIG_PARIDE_FIT2=m
CONFIG_PARIDE_FIT3=m
CONFIG_PARIDE_EPAT=m
CONFIG_PARIDE_EPATC8=y
CONFIG_PARIDE_EPIA=m
CONFIG_PARIDE_FRIQ=m
CONFIG_PARIDE_FRPW=m
CONFIG_PARIDE_KBIC=m
CONFIG_PARIDE_KTTI=m
CONFIG_PARIDE_ON20=m
CONFIG_PARIDE_ON26=m
CONFIG_BLK_CPQ_DA=m
CONFIG_BLK_CPQ_CISS_DA=m
CONFIG_CISS_SCSI_TAPE=y
CONFIG_BLK_DEV_DAC960=m
CONFIG_BLK_DEV_UMEM=m
CONFIG_BLK_DEV_LOOP=m
# CONFIG_BLK_DEV_CRYPTOLOOP is not set
CONFIG_BLK_DEV_NBD=m
CONFIG_BLK_DEV_RAM=y
CONFIG_BLK_DEV_RAM_SIZE=4096
CONFIG_BLK_DEV_INITRD=y
# 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_IDETAPE=m
CONFIG_BLK_DEV_IDEFLOPPY=y
CONFIG_BLK_DEV_IDESCSI=m
# CONFIG_IDE_TASK_IOCTL is not set
# CONFIG_IDE_TASKFILE_IO is not set

#
# IDE chipset support/bugfixes
#
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
CONFIG_BLK_DEV_IDEDMA_PCI=y
# CONFIG_BLK_DEV_IDE_TCQ is not set
# 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=y
CONFIG_BLK_DEV_ALI15X3=y
# CONFIG_WDC_ALI15X3 is not set
CONFIG_BLK_DEV_AMD74XX=y
CONFIG_BLK_DEV_CMD64X=y
CONFIG_BLK_DEV_TRIFLEX=y
CONFIG_BLK_DEV_CY82C693=y
# CONFIG_BLK_DEV_CS5520 is not set
CONFIG_BLK_DEV_CS5530=y
CONFIG_BLK_DEV_HPT34X=y
CONFIG_BLK_DEV_HPT366=y
# CONFIG_BLK_DEV_SC1200 is not set
CONFIG_BLK_DEV_PIIX=y
# CONFIG_BLK_DEV_NS87415 is not set
CONFIG_BLK_DEV_PDC202XX_OLD=y
# CONFIG_PDC202XX_BURST is not set
```

```

CONFIG_BLK_DEV_PDC202XX_NEW=y
CONFIG_PDC202XX_FORCE=y
CONFIG_BLK_DEV_SVWKS=y
CONFIG_BLK_DEV_SIIMAGE=y
CONFIG_BLK_DEV_SIS5513=y
CONFIG_BLK_DEV_SLC90E66=y
# CONFIG_BLK_DEV_TRM290 is not set
CONFIG_BLK_DEV_VIA82CXXX=y
# 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_CHR_DEV_ST is not set
# CONFIG_CHR_DEV_OSST is not set
# CONFIG_BLK_DEV_SR is not set
CONFIG_CHR_DEV_SG=m

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

#
# 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_AHA1740 is not set
# CONFIG_SCSI_AACRAID is not set
CONFIG_SCSI_AIC7XXX=y
CONFIG_AIC7XXX_CMDS_PER_DEVICE=253
CONFIG_AIC7XXX_RESET_DELAY_MS=15000

```

```
# CONFIG_AIC7XXX_PROBE_EISA_VL is not set
# CONFIG_AIC7XXX_BUILD_FIRMWARE is not set
# CONFIG_AIC7XXX_DEBUG_ENABLE is not set
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_DM3191D 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
# CONFIG_SCSI_QLOGIC_1280 is not set
# CONFIG_SCSI_SIM710 is not set
# CONFIG_SCSI_SYM53C416 is not set
# CONFIG_SCSI_DC395x 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 (EXPERIMENTAL)
#
# CONFIG_IEEE1394 is not set

#
# I2O device support
#
# CONFIG_I2O is not set

#
# Networking support
#
CONFIG_NET=y

#
# Networking options
#
CONFIG_PACKET=y
CONFIG_PACKET_MMAP=y
CONFIG_NETLINK_DEV=y
CONFIG_UNIX=y
# CONFIG_NET_KEY is not set
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
CONFIG_IP_ADVANCED_ROUTER=y
CONFIG_IP_MULTIPLE_TABLES=y
CONFIG_IP_ROUTE_FWMARK=y
CONFIG_IP_ROUTE_NAT=y
CONFIG_IP_ROUTE_MULTIPATH=y
CONFIG_IP_ROUTE_TOS=y
CONFIG_IP_ROUTE_VERBOSE=y
# CONFIG_IP_PNP is not set
CONFIG_NET_IPIP=m
CONFIG_NET_IPGRE=m
CONFIG_NET_IPGRE_BROADCAST=y
CONFIG_IP_MROUTE=y
CONFIG_IP_PIMSM_V1=y
CONFIG_IP_PIMSM_V2=y
# CONFIG_ARPD is not set
# CONFIG_INET_ECN is not set
CONFIG_SYN_COOKIES=y
# 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=m
# CONFIG_IP_VS_DEBUG is not set
CONFIG_IP_VS_TAB_BITS=16

#
# IPVS transport protocol load balancing support
#
# CONFIG_IP_VS_PROTO_TCP is not set
# CONFIG_IP_VS_PROTO_UDP is not set
# CONFIG_IP_VS_PROTO_ESP is not set
# CONFIG_IP_VS_PROTO_AH is not set

#
# IPVS scheduler
#
CONFIG_IP_VS_RR=m
CONFIG_IP_VS_WRR=m
CONFIG_IP_VS_LC=m
CONFIG_IP_VS_WLC=m
CONFIG_IP_VS_LBLC=m
CONFIG_IP_VS_LBLCR=m
CONFIG_IP_VS_DH=m
CONFIG_IP_VS_SH=m
# CONFIG_IP_VS_SED is not set
# CONFIG_IP_VS_NQ is not set

#
# IPVS application helper
#
# CONFIG_IPV6 is not set
# CONFIG_DECNET is not set
# CONFIG_BRIDGE is not set
CONFIG_NETFILTER=y
# CONFIG_NETFILTER_DEBUG is not set

#
# IP: Netfilter Configuration
#
CONFIG_IP_NF_CONNTRACK=m
CONFIG_IP_NF_FTP=m
CONFIG_IP_NF_IRC=m
# CONFIG_IP_NF_TFTP is not set
# CONFIG_IP_NF_AMANDA is not set
CONFIG_IP_NF_QUEUE=m
CONFIG_IP_NF_IPTABLES=m
CONFIG_IP_NF_MATCH_LIMIT=m
# CONFIG_IP_NF_MATCH_IPRANGE is not set
CONFIG_IP_NF_MATCH_MAC=m
```

```
CONFIG_IP_NF_MATCH_PKTTYPE=m
CONFIG_IP_NF_MATCH_MARK=m
CONFIG_IP_NF_MATCH_MULTIPORT=m
CONFIG_IP_NF_MATCH_TOS=m
# CONFIG_IP_NF_MATCH_RECENT is not set
CONFIG_IP_NF_MATCH_ECN=m
CONFIG_IP_NF_MATCH_DSCP=m
CONFIG_IP_NF_MATCH_AH_ESP=m
CONFIG_IP_NF_MATCH_LENGTH=m
CONFIG_IP_NF_MATCH_TTL=m
CONFIG_IP_NF_MATCH_TCPMSS=m
CONFIG_IP_NF_MATCH_HELPER=m
CONFIG_IP_NF_MATCH_STATE=m
CONFIG_IP_NF_MATCH_CONNTRACK=m
CONFIG_IP_NF_MATCH_OWNER=m
CONFIG_IP_NF_FILTER=m
CONFIG_IP_NF_TARGET_REJECT=m
CONFIG_IP_NF_NAT=m
CONFIG_IP_NF_NAT_NEEDED=y
CONFIG_IP_NF_TARGET_MASQUERADE=m
CONFIG_IP_NF_TARGET_REDIRECT=m
# CONFIG_IP_NF_TARGET_NETMAP is not set
# CONFIG_IP_NF_TARGET_SAME is not set
# CONFIG_IP_NF_NAT_LOCAL is not set
CONFIG_IP_NF_NAT_SNMP_BASIC=m
CONFIG_IP_NF_NAT_IRC=m
CONFIG_IP_NF_NAT_FTP=m
CONFIG_IP_NF_MANGLE=m
CONFIG_IP_NF_TARGET_TOS=m
CONFIG_IP_NF_TARGET_ECN=m
CONFIG_IP_NF_TARGET_DSCP=m
CONFIG_IP_NF_TARGET_MARK=m
# CONFIG_IP_NF_TARGET_CLASSIFY is not set
CONFIG_IP_NF_TARGET_LOG=m
CONFIG_IP_NF_TARGET_ULOG=m
CONFIG_IP_NF_TARGET_TCPMSS=m
CONFIG_IP_NF_ARPTABLES=m
CONFIG_IP_NF_ARPFILTER=m
# CONFIG_IP_NF_ARP_MANGLE is not set
CONFIG_IP_NF_COMPAT_IPCHAINS=m
CONFIG_IP_NF_COMPAT_IPFWADM=m
CONFIG_XFRM=y
# CONFIG_XFRM_USER is not set

#
# SCTP Configuration (EXPERIMENTAL)
#
CONFIG_IPV6_SCTP__=y
# CONFIG_IP_SCTP is not set
# 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=y
CONFIG_NET_SCH_CBQ=m
CONFIG_NET_SCH_HTB=m
CONFIG_NET_SCH_CSZ=m
CONFIG_NET_SCH_PRIO=m
CONFIG_NET_SCH_RED=m
CONFIG_NET_SCH_SFQ=m
CONFIG_NET_SCH_TEQL=m
CONFIG_NET_SCH_TBF=m
CONFIG_NET_SCH_GRED=m
CONFIG_NET_SCH_DSMARK=m
CONFIG_NET_SCH_INGRESS=m
CONFIG_NET_QOS=y
CONFIG_NET_ESTIMATOR=y
CONFIG_NET_CLS=y
CONFIG_NET_CLS_TCINDEX=m
CONFIG_NET_CLS_ROUTE4=m
CONFIG_NET_CLS_ROUTE=y
CONFIG_NET_CLS_FW=m
CONFIG_NET_CLS_U32=m
CONFIG_NET_CLS_RSVP=m
CONFIG_NET_CLS_RSVP6=m
CONFIG_NET_CLS_POLICE=y
```

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

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

```
CONFIG_TUN=m
CONFIG_ETHERTAP=m
CONFIG_NET_SB1000=m

#
# Ethernet (10 or 100Mbit)
#
CONFIG_NET_ETHERNET=y
# CONFIG_MII is not set
# 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=y
# CONFIG_NI52 is not set
# CONFIG_NI65 is not set

#
# Tulip family network device support
#
CONFIG_NET_TULIP=y
CONFIG_DE2104X=m
CONFIG_TULIP=y
CONFIG_TULIP_MWI=y
CONFIG_TULIP_MMIO=y
# CONFIG_DE4X5 is not set
# CONFIG_WINBOND_840 is not set
# CONFIG_DM9102 is not set
# CONFIG_AT1700 is not set
# CONFIG_DEPCA is not set
# CONFIG_HP100 is not set
# CONFIG_NET_ISA is not set
# CONFIG_NET_PCI 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  
# 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  
  
#  
# Wan interfaces  
#  
# CONFIG_WAN is not set  
  
#  
# Amateur Radio support  
#  
# CONFIG_HAMRADIO is not set  
  
#  
# IrDA (infrared) support  
#  
# CONFIG_IRDA 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=m
# CONFIG_INPUT_TSDEV is not set
CONFIG_INPUT_EVDEV=m
# 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_PS2_SYNAPTICS is not set
# 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_INPUT_JOYSTICK is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
# CONFIG_INPUT_MISC is not set

#
# Character devices
#
CONFIG_VT=y
CONFIG_VT_CONSOLE=y
CONFIG_HW_CONSOLE=y
```

```
CONFIG_SERIAL_NONSTANDARD=y
# CONFIG_ROCKETPORT is not set
# CONFIG_SYNCLINK is not set
# CONFIG_SYNCLINKMP is not set
# CONFIG_N_HDLC is not set
CONFIG_STALDRV=y

#
# Serial drivers
#
# CONFIG_SERIAL_8250 is not set

#
# Non-8250 serial port support
#
CONFIG_UNIX98_PTYS=y
CONFIG_UNIX98_PTY_COUNT=2048
CONFIG_PRINTER=m
# CONFIG_LP_CONSOLE is not set
CONFIG_PPDEV=m
CONFIG_TIPAR=m

#
# I2C support
#
# CONFIG_I2C is not set

#
# I2C Hardware Bus support
#

#
# I2C Hardware Sensors Chip support
#
# CONFIG_I2C_SENSOR is not set

#
# Mice
#
CONFIG_BUSMOUSE=m
# 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=y
CONFIG_DTLK=m
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set
# CONFIG_SONYPI is not set

#
# Ftape, the floppy tape device driver
#
CONFIG_AGP=m
CONFIG_AGP_ALI=m
# CONFIG_AGP_ATI is not set
CONFIG_AGP_AMD=m
# CONFIG_AGP_AMD64 is not set
CONFIG_AGP_INTEL=m
# CONFIG_AGP_NVIDIA is not set
CONFIG_AGP_SIS=m
CONFIG_AGP_SWWORKS=m
CONFIG_AGP_VIA=m
CONFIG_DRM=y
# CONFIG_DRM_TDFX is not set
# CONFIG_DRM_GAMMA is not set
CONFIG_DRM_R128=m
CONFIG_DRM_RADEON=m
# CONFIG_DRM_I810 is not set
# CONFIG_DRM_I830 is not set
# CONFIG_DRM_MGA is not set
# CONFIG_DRM_SIS is not set
# CONFIG_MWAVE is not set
# CONFIG_RAW_DRIVER is not set
# CONFIG_HANGCHECK_TIMER is not set

#
# Multimedia devices
#
# CONFIG_VIDEO_DEV is not set

#
# Digital Video Broadcasting Devices
#
# CONFIG_DVB 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=y
# CONFIG_EXT3_FS_SECURITY is not set
CONFIG_JBD=y
# CONFIG_JBD_DEBUG is not set
CONFIG_FS_MBCACHE=y
# CONFIG_REISERFS_FS is not set
# CONFIG_JFS_FS is not set
CONFIG_FS_POSIX_ACL=y
# CONFIG_XFS_FS is not set
# CONFIG_MINIX_FS is not set
CONFIG_ROMFS_FS=m
CONFIG_QUOTA=y
# CONFIG_QFMT_V1 is not set
CONFIG_QFMT_V2=y
CONFIG_QUOTACTL=y
CONFIG_AUTOFS_FS=m
CONFIG_AUTOFS4_FS=m

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

#
# DOS/FAT/NT Filesystems
#
# CONFIG_FAT_FS is not set
# CONFIG_NTFS_FS is not set

#
# Pseudo filesystems
#
CONFIG_PROC_FS=y
CONFIG_PROC_KCORE=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=m
# 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 is not set
# CONFIG_NFSD is not set
# CONFIG_EXPORTFS is not set
CONFIG_SMB_FS=m
# CONFIG_SMB_NLS_DEFAULT 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
CONFIG_SMB_NLS=y
CONFIG_NLS=y

#
# Native Language Support
#
CONFIG_NLS_DEFAULT="iso8859-1"
CONFIG_NLS_CODEPAGE_437=m
CONFIG_NLS_CODEPAGE_737=m
CONFIG_NLS_CODEPAGE_775=m
CONFIG_NLS_CODEPAGE_850=m
CONFIG_NLS_CODEPAGE_852=m
CONFIG_NLS_CODEPAGE_855=m
CONFIG_NLS_CODEPAGE_857=m
CONFIG_NLS_CODEPAGE_860=m
CONFIG_NLS_CODEPAGE_861=m
CONFIG_NLS_CODEPAGE_862=m
CONFIG_NLS_CODEPAGE_863=m
CONFIG_NLS_CODEPAGE_864=m
CONFIG_NLS_CODEPAGE_865=m
CONFIG_NLS_CODEPAGE_866=m
```

```
CONFIG_NLS_CODEPAGE_869=m
CONFIG_NLS_CODEPAGE_936=m
CONFIG_NLS_CODEPAGE_950=m
CONFIG_NLS_CODEPAGE_932=m
CONFIG_NLS_CODEPAGE_949=m
CONFIG_NLS_CODEPAGE_874=m
CONFIG_NLS_ISO8859_8=m
CONFIG_NLS_CODEPAGE_1250=m
CONFIG_NLS_CODEPAGE_1251=m
CONFIG_NLS_ISO8859_1=m
CONFIG_NLS_ISO8859_2=m
CONFIG_NLS_ISO8859_3=m
CONFIG_NLS_ISO8859_4=m
CONFIG_NLS_ISO8859_5=m
CONFIG_NLS_ISO8859_6=m
CONFIG_NLS_ISO8859_7=m
CONFIG_NLS_ISO8859_9=m
CONFIG_NLS_ISO8859_13=m
CONFIG_NLS_ISO8859_14=m
CONFIG_NLS_ISO8859_15=m
CONFIG_NLS_KOI8_R=m
CONFIG_NLS_KOI8_U=m
CONFIG_NLS_UTF8=m
```

```
#
# Graphics support
#
CONFIG_FB=y
# CONFIG_FB_CYBER2000 is not set
# CONFIG_FB_IMSTT is not set
CONFIG_FB_VGA16=m
CONFIG_FB_VESA=y
CONFIG_VIDEO_SELECT=y
# CONFIG_FB_HGA is not set
# CONFIG_FB_RIVA is not set
# CONFIG_FB_I810 is not set
# CONFIG_FB_MATROX is not set
CONFIG_FB_RADEON=m
CONFIG_FB_ATY128=m
CONFIG_FB_ATY=m
CONFIG_FB_ATY_CT=y
CONFIG_FB_ATY_GX=y
# CONFIG_FB_ATY_XL_INIT is not set
CONFIG_FB_SIS=m
# CONFIG_FB_SIS_300 is not set
# CONFIG_FB_SIS_315 is not set
# CONFIG_FB_NEOMAGIC 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=m
CONFIG_DUMMY_CONSOLE=y
CONFIG_FRAMEBUFFER_CONSOLE=y
CONFIG_PCI_CONSOLE=y
CONFIG_FONTS=y
# CONFIG_FONT_8x8 is not set
CONFIG_FONT_8x16=y
# CONFIG_FONT_6x11 is not set
# CONFIG_FONT_PEARL_8x8 is not set
# CONFIG_FONT_ACORN_8x8 is not set
# CONFIG_FONT_MINI_4x6 is not set
# CONFIG_FONT_SUN8x16 is not set
# CONFIG_FONT_SUN12x22 is not set

#
# Logo configuration
#
CONFIG_LOGO=y
CONFIG_LOGO_LINUX_MONO=y
CONFIG_LOGO_LINUX_VGA16=y
CONFIG_LOGO_LINUX_CLUT224=y

#
# Sound
#
# CONFIG_SOUND is not set

#
# USB support
#
# CONFIG_USB is not set
# CONFIG_USB_GADGET is not set

#
# Bluetooth support
#
# CONFIG_BT is not set

#
# Profiling support
#
CONFIG_PROFILING=y
CONFIG_OPROFILE=m

#
# Kernel hacking
#
```

```
CONFIG_DEBUG_KERNEL=y
CONFIG_DEBUG_STACKOVERFLOW=y
# 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_DEBUG_HIGHMEM is not set
# CONFIG_DEBUG_INFO is not set
# CONFIG_DEBUG_SPINLOCK_SLEEP is not set
# CONFIG_FRAME_POINTER is not set
CONFIG_X86_EXTRA_IRQS=y
CONFIG_X86_FIND_SMP_CONFIG=y
CONFIG_X86_MPPARSE=y
```

```
#
# Security options
#
# CONFIG_SECURITY is not set
```

```
#
# Cryptographic options
#
# CONFIG_CRYPTO is not set
```

```
#
# Library routines
#
# CONFIG_CRC32 is not set
CONFIG_ZLIB_INFLATE=m
CONFIG_X86_SMP=y
CONFIG_X86_HT=y
CONFIG_X86_BIOS_REBOOT=y
CONFIG_X86_TRAMPOLINE=y
```

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