

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

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Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-08/msg10725.html>

- *From:* edwin <edwintorok@xxxxxxxxxx>
 - *Date:* Mon, 25 Aug 2008 10:04:40 +0300
-

Peter Zijlstra wrote:

On Mon, 2008-08-25 at 00:01 +0300, Török Edwin wrote:

Hi Ingo,

When I run clamd (www.clamav.net), I can only get to load my CPU 50% (according to top), and disks at 30% (according to iostat -x 3), regardless how many threads I set (I tried 4, 8, 16, 32).

Can you share your .config, and perhaps tell what kernel version did work for you?

Sorry, I forgot to include the .config, its at the end of this mail (the cfs debug info output included the .config though)

Well, I just bought this new box, so there isn't a kernel version that I know that worked on this hardware (but I am trying to boot some older versions now).

However on my previous box (Athlon64, non-SMP) I have never seen such a problem (that the CPU is loaded only 50% with clamd) and I've been running 2.6.26 and 2.6.27-rc4 there too.

Details below, short summary here:

2.6.24: WORKS, clamd 400% CPU, testprogram runs in 27.4 seconds, 67% CPU load; and 28.5 seconds w/o setting affinity

2.6.25+: DOES NOT WORK, clamd 200%–300% CPU, testprogram runs in 38–40 seconds, 48–48% CPU load, and 47–56 seconds w/o setting affinity

Debian has 2.6.18, 2.6.22, 2.6.24, 2.6.25, 2.6.26.

2.6.22 won't work with my lvm, so I can't boot that, so I tried 2.6.24:

2.6.24 doesn't have sched_debug enabled in the stock kernel unfortunately, but the output of cfs-debug-info.sh is available here, maybe it contains some useful info:

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<http://edwintorok.googlepages.com/testrun-1219645937.tar.gz>

Is this enough info for you to reproduce the problem, or do you want me to try and bisect?

1. Linux debian 2.6.24-etchnhalf.1-amd64 #1 SMP Mon Jul 21 10:36:02 UTC 2008 x86_64 GNU/Linux
WORKS! Clamd loads CPUs at 400%

My testprogram loads it at ~60% (vs 38% - 48% with 2.6.26)

Results for build: cpu worker default affinity
Real time: 6.523395 s (since program startup)
clock: 13.046436

All threads clock sum: 22.147781

Resource usage: 24.353521 s

CPU usage: 84.94 %

OK

Results for build: cpu worker affinity fix hack

Real time: 6.522737 s (since program startup)

clock: 13.045105

All threads clock sum: 22.339515

Resource usage: 24.445527 s

CPU usage: 84.70 %

OK

Results for build: mmap worker default affinity

Real time: 14.285333 s (since program startup)

clock: 28.570301

All threads clock sum: 54.037440

Resource usage: 44.674792 s

CPU usage: 65.39 %

CPU usage is too low!

Results for build: mmap worker affinity fix hack

Real time: 13.702226 s (since program startup)

clock: 27.404000

All threads clock sum: 50.321236

Resource usage: 43.030688 s

CPU usage: 67.21 %

CPU usage is too low!

2. Linux debian 2.6.25-2-amd64 #1 SMP Mon Jul 14 11:05:24 UTC 2008 x86_64 GNU/Linux

WORKS, clamd loads CPUs at 400%

My test program's results are worse than on 2.6.24 though:

Results for build: cpu worker default affinity

Real time: 5.955546 s (since program startup)

clock: 11.910726

All threads clock sum: 21.543955

Resource usage: 22.509406 s

CPU usage: 81.85 %

OK

Results for build: cpu worker affinity fix hack

Real time: 5.935218 s (since program startup)

clock: 11.870089

All threads clock sum: 21.912895

Resource usage: 22.897431 s

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CPU usage: 82.22 %

OK

Results for build: mmap worker default affinity

Real time: 23.832461 s (since program startup)

clock: 47.664568

All threads clock sum: 93.027458

Resource usage: 47.346958 s

CPU usage: 40.52 %

CPU usage is too low!

Results for build: mmap worker affinity fix hack

Real time: 20.271176 s (since program startup)

clock: 40.541992

All threads clock sum: 78.265199

Resource usage: 48.215012 s

CPU usage: 48.93 %

CPU usage is too low!

3. Linux debian 2.6.26-1-amd64 #1 SMP Wed Aug 20 12:09:32 UTC 2008 x86_64 GNU/Linux

DOES NOT WORK, clamd only loads CPUs at 200% – 300%!

My testprogram's output is about the same as with 2.6.25, that is worse than with 2.6.24:

Results for build: cpu worker default affinity

Real time: 6.081484 s (since program startup)

clock: 12.162611

All threads clock sum: 22.163733

Resource usage: 22.333395 s

CPU usage: 79.07 %

CPU usage is too low!

Results for build: cpu worker affinity fix hack

Real time: 5.900723 s (since program startup)

clock: 11.801082

All threads clock sum: 21.737890

Resource usage: 22.805424 s

CPU usage: 82.51 %

OK

Results for build: mmap worker default affinity

Real time: 28.171656 s (since program startup)

clock: 56.342938

All threads clock sum: 110.593342

Resource usage: 50.107131 s

CPU usage: 36.11 %

CPU usage is too low!

Results for build: mmap worker affinity fix hack

Real time: 19.222725 s (since program startup)

clock: 38.445075

All threads clock sum: 74.877601

Resource usage: 46.262891 s

CPU usage: 49.16 %

CPU usage is too low!

The .config files are below (for 2.6.27-rc4, and 2.6.24-etchnhalf.1, and 2.6.25-2):

#

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```
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.27-rc4
# Sun Aug 24 19:14:56 2008
#
CONFIG_64BIT=y
# CONFIG_X86_32 is not set
CONFIG_X86_64=y
CONFIG_X86=y
CONFIG_ARCH_DEFCONFIG="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
```

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```
CONFIG_X86_BIOS_REBOOT=y
CONFIG_X86_TRAMPOLINE=y
# CONFIG_KTIME_SCALAR is not set
CONFIG_DEFCONFIG_LIST="/lib/modules/$UNAME_RELEASE/.config"

#
# General setup
#
CONFIG_EXPERIMENTAL=y
CONFIG_LOCK_KERNEL=y
CONFIG_INIT_ENV_ARG_LIMIT=32
CONFIG_LOCALVERSION=""
# CONFIG_LOCALVERSION_AUTO is not set
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
CONFIG_SYSVIPC_SYSCTL=y
CONFIG_POSIX_QUEUE=y
CONFIG_BSD_PROCESS_ACCT=y
CONFIG_BSD_PROCESS_ACCT_V3=y
CONFIG_TASKSTATS=y
CONFIG_TASK_DELAY_ACCT=y
CONFIG_TASK_XACCT=y
CONFIG_TASK_IO_ACCOUNTING=y
CONFIG_AUDIT=y
CONFIG_AUDITSYSCALL=y
CONFIG_AUDIT_TREE=y
# CONFIG_IKCONFIG is not set
CONFIG_LOG_BUF_SHIFT=17
CONFIG_CGROUPS=y
# CONFIG_CGROUP_DEBUG is not set
CONFIG_CGROUP_NS=y
CONFIG_CGROUP_DEVICE=y
CONFIG_CPUSETS=y
CONFIG_HAVE_UNSTABLE_SCHED_CLOCK=y
CONFIG_GROUP_SCHED=y
CONFIG_FAIR_GROUP_SCHED=y
# CONFIG_RT_GROUP_SCHED is not set
# CONFIG_USER_SCHED is not set
CONFIG_CGROUP_SCHED=y
CONFIG_CGROUP_CPUACCT=y
# CONFIG_RESOURCE_COUNTERS is not set
CONFIG_SYSFS_DEPRECATED=y
CONFIG_SYSFS_DEPRECATED_V2=y
CONFIG_PROC_PID_CPUSET=y
CONFIG_RELAY=y
CONFIG_NAMESPACES=y
CONFIG_UTS_NS=y
CONFIG_IPC_NS=y
# CONFIG_USER_NS is not set
# CONFIG_PID_NS is not set
CONFIG_BLK_DEV_INITRD=y
```

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```
CONFIG_INTRAMFS_SOURCE=""
# CONFIG_CC_OPTIMIZE_FOR_SIZE is not set
CONFIG_SYSCTL=y
# CONFIG_EMBEDDED is not set
CONFIG_UID16=y
CONFIG_SYSCTL_SYSCALL=y
CONFIG_KALLSYMS=y
CONFIG_KALLSYMS_ALL=y
# CONFIG_KALLSYMS_EXTRA_PASS is not set
CONFIG_HOTPLUG=y
CONFIG_PRINTK=y
CONFIG_BUG=y
CONFIG_ELF_CORE=y
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_SLUB_DEBUG=y
# CONFIG_SLAB is not set
CONFIG_SLUB=y
# CONFIG_SLOB is not set
CONFIG_PROFILING=y
CONFIG_MARKERS=y
CONFIG_OPROFILE=m
CONFIG_HAVE_OPROFILE=y
CONFIG_KPROBES=y
CONFIG_HAVE_EFFICIENT_UNALIGNED_ACCESS=y
CONFIG_KRETPROBES=y
CONFIG_HAVE_IOREMAP_PROT=y
CONFIG_HAVE_KPROBES=y
CONFIG_HAVE_KRETPROBES=y
# CONFIG_HAVE_ARCH_TRACEHOOK is not set
# CONFIG_HAVE_DMA_ATTRS is not set
CONFIG_USE_GENERIC_SMP_HELPERS=y
# CONFIG_HAVE_CLK is not set
CONFIG_PROC_PAGE_MONITOR=y
# CONFIG_HAVE_GENERIC_DMA_COHERENT is not set
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=y
```

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```
CONFIG_MODULE_FORCE_UNLOAD=y
CONFIG_MODVERSIONS=y
# CONFIG_MODULE_SRCVERSION_ALL is not set
CONFIG_KMOD=y
CONFIG_STOP_MACHINE=y
CONFIG_BLOCK=y
CONFIG_BLK_DEV_IO_TRACE=y
CONFIG_BLK_DEV_BSG=y
# CONFIG_BLK_DEV_INTEGRITY is not set
CONFIG_BLOCK_COMPAT=y
```

```
#
# IO Schedulers
#
CONFIG_IOSCHED_NOOP=y
CONFIG_IOSCHED_AS=y
CONFIG_IOSCHED_DEADLINE=y
CONFIG_IOSCHED_CFQ=y
# CONFIG_DEFAULT_AS is not set
# CONFIG_DEFAULT_DEADLINE is not set
CONFIG_DEFAULT_CFQ=y
# CONFIG_DEFAULT_NOOP is not set
CONFIG_DEFAULT_IOSCHED="cfq"
CONFIG_PREEMPT_NOTIFIERS=y
CONFIG_CLASSIC_RCU=y
```

```
#
# Processor type and features
#
CONFIG_TICK_ONESHOT=y
CONFIG_NO_HZ=y
CONFIG_HIGH_RES_TIMERS=y
CONFIG_GENERIC_CLOCKEVENTS_BUILD=y
CONFIG_SMP=y
CONFIG_X86_FIND_SMP_CONFIG=y
CONFIG_X86_MPPARSE=y
CONFIG_X86_PC=y
# CONFIG_X86_ELAN is not set
# CONFIG_X86_VOYAGER is not set
# CONFIG_X86_GENERICARCH is not set
# CONFIG_X86_VSMP is not set
CONFIG_PARAVIRT_GUEST=y
# CONFIG_XEN is not set
CONFIG_XEN_SAVE_RESTORE=y
CONFIG_KVM_CLOCK=y
CONFIG_KVM_GUEST=y
CONFIG_PARAVIRT=y
CONFIG_PARAVIRT_CLOCK=y
# CONFIG_PARAVIRT_DEBUG is not set
# CONFIG_MEMTEST is not set
# CONFIG_M386 is not set
```

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```
# CONFIG_M486 is not set
# CONFIG_M586 is not set
# CONFIG_M586TSC is not set
# CONFIG_M586MMX is not set
# CONFIG_M686 is not set
# CONFIG_MPENTIUMII is not set
# CONFIG_MPENTIUMIII is not set
# CONFIG_MPENTIUMMM is not set
# CONFIG_MPENTIUM4 is not set
# CONFIG_MK6 is not set
# CONFIG_MK7 is not set
# CONFIG_MK8 is not set
# 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
# CONFIG_MPSC is not set
CONFIG_MCORE2=y
# 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_WP_WORKS_OK=y
CONFIG_X86_INTEL_USERCOPY=y
CONFIG_X86_USE_PPRO_CHECKSUM=y
CONFIG_X86_P6_NOP=y
CONFIG_X86_TSC=y
CONFIG_X86_CMPXCHG64=y
CONFIG_X86_CMOV=y
CONFIG_X86_MINIMUM_CPU_FAMILY=64
CONFIG_X86_DEBUGCTLMSR=y
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=y
# CONFIG_AMD_IOMMU is not set
CONFIG_SWIOTLB=y
CONFIG_IOMMU_HELPER=y
# CONFIG_MAXSMP is not set
CONFIG_NR_CPUS=32
CONFIG_SCHED_SMT=y
```

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```
CONFIG_SCHED_MC=y
# CONFIG_PREEMPT_NONE is not set
# CONFIG_PREEMPT_VOLUNTARY is not set
CONFIG_PREEMPT=y
# CONFIG_PREEMPT_RCU is not set
CONFIG_X86_LOCAL_APIC=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_MCE=y
CONFIG_X86_MCE_INTEL=y
CONFIG_X86_MCE_AMD=y
# CONFIG_I8K is not set
CONFIG_MICROCODE=m
CONFIG_MICROCODE_OLD_INTERFACE=y
CONFIG_X86_MSR=m
CONFIG_X86_CPUID=m
# CONFIG_NUMA is not set
CONFIG_ARCH_SPARSEMEM_DEFAULT=y
CONFIG_ARCH_SPARSEMEM_ENABLE=y
CONFIG_ARCH_SELECT_MEMORY_MODEL=y
CONFIG_SELECT_MEMORY_MODEL=y
# CONFIG_FLATMEM_MANUAL is not set
# CONFIG_DISCONTIGMEM_MANUAL is not set
CONFIG_SPARSEMEM_MANUAL=y
CONFIG_SPARSEMEM=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

#
# Memory hotplug is currently incompatible with Software Suspend
#
CONFIG_PAGEFLAGS_EXTENDED=y
CONFIG_SPLIT_PTLOCK_CPUS=4
CONFIG_RESOURCES_64BIT=y
CONFIG_ZONE_DMA_FLAG=1
CONFIG_BOUNCE=y
CONFIG_VIRT_TO_BUS=y
CONFIG_MMU_NOTIFIER=y
CONFIG_MTRR=y
# CONFIG_MTRR_SANITIZER is not set
CONFIG_X86_PAT=y
# CONFIG_EFI is not set
CONFIG_SECCOMP=y
# CONFIG_HZ_100 is not set
CONFIG_HZ_250=y
# CONFIG_HZ_300 is not set
# CONFIG_HZ_1000 is not set
CONFIG_HZ=250
CONFIG_SCHED_HRTICK=y
```

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```
CONFIG_KEXEC=y
# CONFIG_CRASH_DUMP is not set
CONFIG_PHYSICAL_START=0x200000
# CONFIG_RELOCATABLE is not set
CONFIG_PHYSICAL_ALIGN=0x200000
CONFIG_HOTPLUG_CPU=y
# CONFIG_COMPAT_VDSO is not set
CONFIG_ARCH_ENABLE_MEMORY_HOTPLUG=y

#
# Power management options
#
CONFIG_ARCH_HIBERNATION_HEADER=y
CONFIG_PM=y
# CONFIG_PM_DEBUG is not set
CONFIG_PM_SLEEP_SMP=y
CONFIG_PM_SLEEP=y
CONFIG_SUSPEND=y
CONFIG_SUSPEND_FREEZER=y
CONFIG_HIBERNATION=y
CONFIG_PM_STD_PARTITION=""
CONFIG_ACPI=y
CONFIG_ACPI_SLEEP=y
CONFIG_ACPI_PROCFS=y
# CONFIG_ACPI_PROCFS_POWER is not set
CONFIG_ACPI_SYSFS_POWER=y
CONFIG_ACPI_PROC_EVENT=y
CONFIG_ACPI_AC=m
CONFIG_ACPI_BATTERY=m
CONFIG_ACPI_BUTTON=m
CONFIG_ACPI_VIDEO=m
CONFIG_ACPI_FAN=m
CONFIG_ACPI_DOCK=m
CONFIG_ACPI_BAY=m
CONFIG_ACPI_PROCESSOR=m
CONFIG_ACPI_HOTPLUG_CPU=y
CONFIG_ACPI_THERMAL=m
CONFIG_ACPI_WMI=m
CONFIG_ACPI_ASUS=m
CONFIG_ACPI_TOSHIBA=m
# CONFIG_ACPI_CUSTOM_DSDT is not set
CONFIG_ACPI_BLACKLIST_YEAR=0
# CONFIG_ACPI_DEBUG is not set
CONFIG_ACPI_EC=y
# CONFIG_ACPI_PCI_SLOT is not set
CONFIG_ACPI_POWER=y
CONFIG_ACPI_SYSTEM=y
CONFIG_X86_PM_TIMER=y
CONFIG_ACPI_CONTAINER=m
CONFIG_ACPI_SBS=m
```

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```
#
# CPU Frequency scaling
#
CONFIG_CPU_FREQ=y
CONFIG_CPU_FREQ_TABLE=m
# CONFIG_CPU_FREQ_DEBUG is not set
CONFIG_CPU_FREQ_STAT=m
# CONFIG_CPU_FREQ_STAT_DETAILS is not set
CONFIG_CPU_FREQ_DEFAULT_GOV_PERFORMANCE=y
# CONFIG_CPU_FREQ_DEFAULT_GOV_POWERSAVE is not set
# CONFIG_CPU_FREQ_DEFAULT_GOV_USERSPACE is not set
# CONFIG_CPU_FREQ_DEFAULT_GOV_ONDEMAND is not set
# CONFIG_CPU_FREQ_DEFAULT_GOV_CONSERVATIVE is not set
CONFIG_CPU_FREQ_GOV_PERFORMANCE=y
CONFIG_CPU_FREQ_GOV_POWERSAVE=m
CONFIG_CPU_FREQ_GOV_USERSPACE=m
CONFIG_CPU_FREQ_GOV_ONDEMAND=m
CONFIG_CPU_FREQ_GOV_CONSERVATIVE=m

#
# CPUFreq processor drivers
#
CONFIG_X86_ACPI_CPUFREQ=m
CONFIG_X86_POWERNOW_K8=m
CONFIG_X86_POWERNOW_K8_ACPI=y
CONFIG_X86_SPEEDSTEP_CENTRINO=m
# CONFIG_X86_P4_CLOCKMOD is not set

#
# shared options
#
# CONFIG_X86_ACPI_CPUFREQ_PROC_INTF is not set
# CONFIG_X86_SPEEDSTEP_LIB is not set
# CONFIG_CPU_IDLE is not set

#
# Bus options (PCI etc.)
#
CONFIG_PCI=y
CONFIG_PCI_DIRECT=y
CONFIG_PCI_MMCONFIG=y
CONFIG_PCI_DOMAINS=y
# CONFIG_DMAR is not set
CONFIG_PCIEPORTBUS=y
CONFIG_HOTPLUG_PCI_PCIE=m
CONFIG_PCIEAER=y
CONFIG_PCIEASPM=y
# CONFIG_PCIEASPM_DEBUG is not set
CONFIG_ARCH_SUPPORTS_MSI=y
CONFIG_PCI_MSI=y
CONFIG_PCI_LEGACY=y
```

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```
# CONFIG_PCI_DEBUG is not set
CONFIG_HT_IRQ=y
CONFIG_ISA_DMA_API=y
CONFIG_K8_NB=y
CONFIG_PCCARD=m
# CONFIG_PCMCIA_DEBUG is not set
CONFIG_PCMCIA=m
CONFIG_PCMCIA_LOAD_CIS=y
CONFIG_PCMCIA_IOCTL=y
CONFIG_CARDBUS=y

#
# PC-card bridges
#
CONFIG_YENTA=m
CONFIG_YENTA_O2=y
CONFIG_YENTA_RICOH=y
CONFIG_YENTA_TI=y
CONFIG_YENTA_ENE_TUNE=y
CONFIG_YENTA_TOSHIBA=y
CONFIG_PD6729=m
CONFIG_I82092=m
CONFIG_PCCARD_NONSTATIC=m
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=m
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=y
CONFIG_COMPAT=y
CONFIG_COMPAT_FOR_U64_ALIGNMENT=y
CONFIG_SYSVIPC_COMPAT=y
CONFIG_NET=y

#
# Networking options
#
CONFIG_PACKET=y
CONFIG_PACKET_MMAP=y
CONFIG_UNIX=y
```

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```
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_XFRM_IPCOMP=m
CONFIG_NET_KEY=m
# CONFIG_NET_KEY_MIGRATE is not set
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
CONFIG_IP_ADVANCED_ROUTER=y
CONFIG_ASK_IP_FIB_HASH=y
# CONFIG_IP_FIB_TRIE is not set
CONFIG_IP_FIB_HASH=y
CONFIG_IP_MULTIPLE_TABLES=y
CONFIG_IP_ROUTE_MULTIPATH=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_SYN_COOKIES=y
CONFIG_INET_AH=m
CONFIG_INET_ESP=m
CONFIG_INET_IPCOMP=m
CONFIG_INET_XFRM_TUNNEL=m
CONFIG_INET_TUNNEL=m
CONFIG_INET_XFRM_MODE_TRANSPORT=m
CONFIG_INET_XFRM_MODE_TUNNEL=m
CONFIG_INET_XFRM_MODE_BEET=m
CONFIG_INET_LRO=m
CONFIG_INET_DIAG=m
CONFIG_INET_TCP_DIAG=m
CONFIG_TCP_CONG_ADVANCED=y
CONFIG_TCP_CONG_BIC=m
CONFIG_TCP_CONG_CUBIC=y
CONFIG_TCP_CONG_WESTWOOD=m
CONFIG_TCP_CONG_HTCP=m
CONFIG_TCP_CONG_HSTCP=m
CONFIG_TCP_CONG_HYBLA=m
CONFIG_TCP_CONG_VEGAS=m
CONFIG_TCP_CONG_SCALABLE=m
CONFIG_TCP_CONG_LP=m
CONFIG_TCP_CONG_VENO=m
CONFIG_TCP_CONG_YEAH=m
CONFIG_TCP_CONG_ILLINOIS=m
# CONFIG_DEFAULT_BIC is not set
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_DEFAULT_CUBIC=y
# CONFIG_DEFAULT_HTCP is not set
# CONFIG_DEFAULT_VEGAS is not set
# CONFIG_DEFAULT_WESTWOOD is not set
# CONFIG_DEFAULT_RENO is not set
CONFIG_DEFAULT_TCP_CONG="cubic"
CONFIG_TCP_MD5SIG=y
CONFIG_IP_VS=m
# CONFIG_IP_VS_DEBUG is not set
CONFIG_IP_VS_TAB_BITS=12

#
# IPVS transport protocol load balancing support
#
CONFIG_IP_VS_PROTO_TCP=y
CONFIG_IP_VS_PROTO_UDP=y
CONFIG_IP_VS_PROTO_ESP=y
CONFIG_IP_VS_PROTO_AH=y

#
# 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=m
CONFIG_IP_VS_NQ=m

#
# IPVS application helper
#
CONFIG_IP_VS_FTP=m
CONFIG_IPV6=m
CONFIG_IPV6_PRIVACY=y
CONFIG_IPV6_ROUTER_PREF=y
CONFIG_IPV6_ROUTE_INFO=y
CONFIG_IPV6_OPTIMISTIC_DAD=y
CONFIG_INET6_AH=m
CONFIG_INET6_ESP=m
CONFIG_INET6_IPCOMP=m
CONFIG_IPV6_MIP6=m
CONFIG_INET6_XFRM_TUNNEL=m
CONFIG_INET6_TUNNEL=m
CONFIG_INET6_XFRM_MODE_TRANSPORT=m
CONFIG_INET6_XFRM_MODE_TUNNEL=m
CONFIG_INET6_XFRM_MODE_BEET=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_INET6_XFRM_MODE_ROUTEOPTIMIZATION=m
CONFIG_IPV6_SIT=m
CONFIG_IPV6_NDISC_NODETYPE=y
CONFIG_IPV6_TUNNEL=m
CONFIG_IPV6_MULTIPLE_TABLES=y
CONFIG_IPV6_SUBTREES=y
CONFIG_IPV6_MROUTE=y
CONFIG_IPV6_PIMSM_V2=y
# CONFIG_NETLABEL is not set
CONFIG_NETWORK_SECMARK=y
CONFIG_NETFILTER=y
# CONFIG_NETFILTER_DEBUG is not set
CONFIG_NETFILTER_ADVANCED=y
CONFIG_BRIDGE_NETFILTER=y
```

```
#
# Core Netfilter Configuration
#
CONFIG_NETFILTER_NETLINK=m
CONFIG_NETFILTER_NETLINK_QUEUE=m
CONFIG_NETFILTER_NETLINK_LOG=m
CONFIG_NF_CONNTRACK=m
CONFIG_NF_CT_ACCT=y
CONFIG_NF_CONNTRACK_MARK=y
CONFIG_NF_CONNTRACK_SECMARK=y
CONFIG_NF_CONNTRACK_EVENTS=y
CONFIG_NF_CT_PROTO_DCCP=m
CONFIG_NF_CT_PROTO_GRE=m
CONFIG_NF_CT_PROTO_SCTP=m
CONFIG_NF_CT_PROTO_UDPLITE=m
CONFIG_NF_CONNTRACK_AMANDA=m
CONFIG_NF_CONNTRACK_FTP=m
CONFIG_NF_CONNTRACK_H323=m
CONFIG_NF_CONNTRACK_IRC=m
CONFIG_NF_CONNTRACK_NETBIOS_NS=m
CONFIG_NF_CONNTRACK_PPTP=m
CONFIG_NF_CONNTRACK_SANE=m
CONFIG_NF_CONNTRACK_SIP=m
CONFIG_NF_CONNTRACK_TFTP=m
CONFIG_NF_CT_NETLINK=m
CONFIG_NETFILTER_XTABLES=m
CONFIG_NETFILTER_XT_TARGET_CLASSIFY=m
CONFIG_NETFILTER_XT_TARGET_CONNMARK=m
CONFIG_NETFILTER_XT_TARGET_DSCP=m
CONFIG_NETFILTER_XT_TARGET_MARK=m
CONFIG_NETFILTER_XT_TARGET_NFQUEUE=m
CONFIG_NETFILTER_XT_TARGET_NFLOG=m
CONFIG_NETFILTER_XT_TARGET_NOTRACK=m
CONFIG_NETFILTER_XT_TARGET_RATEEST=m
CONFIG_NETFILTER_XT_TARGET_TRACE=m
CONFIG_NETFILTER_XT_TARGET_SECMARK=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_NETFILTER_XT_TARGET_CONNSECMARK=m
CONFIG_NETFILTER_XT_TARGET_TCPMSS=m
CONFIG_NETFILTER_XT_TARGET_TCPOPTSTRIP=m
CONFIG_NETFILTER_XT_MATCH_COMMENT=m
CONFIG_NETFILTER_XT_MATCH_CONNBYTES=m
CONFIG_NETFILTER_XT_MATCH_CONNLIMIT=m
CONFIG_NETFILTER_XT_MATCH_CONNMARK=m
CONFIG_NETFILTER_XT_MATCH_CONNTRACK=m
CONFIG_NETFILTER_XT_MATCH_DCCP=m
CONFIG_NETFILTER_XT_MATCH_DSCP=m
CONFIG_NETFILTER_XT_MATCH_ESP=m
CONFIG_NETFILTER_XT_MATCH_HELPER=m
CONFIG_NETFILTER_XT_MATCH_IPRANGE=m
CONFIG_NETFILTER_XT_MATCH_LENGTH=m
CONFIG_NETFILTER_XT_MATCH_LIMIT=m
CONFIG_NETFILTER_XT_MATCH_MAC=m
CONFIG_NETFILTER_XT_MATCH_MARK=m
CONFIG_NETFILTER_XT_MATCH_OWNER=m
CONFIG_NETFILTER_XT_MATCH_POLICY=m
CONFIG_NETFILTER_XT_MATCH_MULTIPORT=m
CONFIG_NETFILTER_XT_MATCH_PHYSDEV=m
CONFIG_NETFILTER_XT_MATCH_PKTTYPE=m
CONFIG_NETFILTER_XT_MATCH_QUOTA=m
CONFIG_NETFILTER_XT_MATCH_RATEEST=m
CONFIG_NETFILTER_XT_MATCH_REALM=m
CONFIG_NETFILTER_XT_MATCH_SCTP=m
CONFIG_NETFILTER_XT_MATCH_STATE=m
CONFIG_NETFILTER_XT_MATCH_STATISTIC=m
CONFIG_NETFILTER_XT_MATCH_STRING=m
CONFIG_NETFILTER_XT_MATCH_TCPMSS=m
CONFIG_NETFILTER_XT_MATCH_TIME=m
CONFIG_NETFILTER_XT_MATCH_U32=m
CONFIG_NETFILTER_XT_MATCH_HASHLIMIT=m
```

```
#
# IP: Netfilter Configuration
#
CONFIG_NF_CONNTRACK_IPV4=m
CONFIG_NF_CONNTRACK_PROC_COMPAT=y
CONFIG_IP_NF_QUEUE=m
CONFIG_IP_NF_IPTABLES=m
CONFIG_IP_NF_MATCH_RECENT=m
CONFIG_IP_NF_MATCH_ECN=m
CONFIG_IP_NF_MATCH_AH=m
CONFIG_IP_NF_MATCH_TTL=m
CONFIG_IP_NF_MATCH_ADDRTYPE=m
CONFIG_IP_NF_FILTER=m
CONFIG_IP_NF_TARGET_REJECT=m
CONFIG_IP_NF_TARGET_LOG=m
CONFIG_IP_NF_TARGET_ULOG=m
CONFIG_NF_NAT=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_NF_NAT_NEEDED=y
CONFIG_IP_NF_TARGET_MASQUERADE=m
CONFIG_IP_NF_TARGET_REDIRECT=m
CONFIG_IP_NF_TARGET_NETMAP=m
CONFIG_NF_NAT_SNMP_BASIC=m
CONFIG_NF_NAT_PROTO_DCCP=m
CONFIG_NF_NAT_PROTO_GRE=m
CONFIG_NF_NAT_PROTO_UDPLITE=m
CONFIG_NF_NAT_PROTO_SCTP=m
CONFIG_NF_NAT_FTP=m
CONFIG_NF_NAT_IRC=m
CONFIG_NF_NAT_TFTP=m
CONFIG_NF_NAT_AMANDA=m
CONFIG_NF_NAT_PPTP=m
CONFIG_NF_NAT_H323=m
CONFIG_NF_NAT_SIP=m
CONFIG_IP_NF_MANGLE=m
CONFIG_IP_NF_TARGET_ECN=m
CONFIG_IP_NF_TARGET_TTL=m
CONFIG_IP_NF_TARGET_CLUSTERIP=m
CONFIG_IP_NF_RAW=m
# CONFIG_IP_NF_SECURITY is not set
CONFIG_IP_NF_ARPTABLES=m
CONFIG_IP_NF_ARPFILTER=m
CONFIG_IP_NF_ARP_MANGLE=m
```

```
#
# IPv6: Netfilter Configuration
#
CONFIG_NF_CONNTRACK_IPV6=m
CONFIG_IP6_NF_QUEUE=m
CONFIG_IP6_NF_IPTABLES=m
CONFIG_IP6_NF_MATCH_RT=m
CONFIG_IP6_NF_MATCH_OPTS=m
CONFIG_IP6_NF_MATCH_FRAG=m
CONFIG_IP6_NF_MATCH_HL=m
CONFIG_IP6_NF_MATCH_IPV6HEADER=m
CONFIG_IP6_NF_MATCH_AH=m
CONFIG_IP6_NF_MATCH_MH=m
CONFIG_IP6_NF_MATCH_EUI64=m
CONFIG_IP6_NF_FILTER=m
CONFIG_IP6_NF_TARGET_LOG=m
CONFIG_IP6_NF_TARGET_REJECT=m
CONFIG_IP6_NF_MANGLE=m
CONFIG_IP6_NF_TARGET_HL=m
CONFIG_IP6_NF_RAW=m
# CONFIG_IP6_NF_SECURITY is not set
```

```
#
# DECnet: Netfilter Configuration
#
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_DECNET_NF_GRABULATOR=m

#
# Bridge: Netfilter Configuration
#
CONFIG_BRIDGE_NF_EBTABLES=m
CONFIG_BRIDGE_EBT_BROUTE=m
CONFIG_BRIDGE_EBT_T_FILTER=m
CONFIG_BRIDGE_EBT_T_NAT=m
CONFIG_BRIDGE_EBT_802_3=m
CONFIG_BRIDGE_EBT_AMONG=m
CONFIG_BRIDGE_EBT_ARP=m
CONFIG_BRIDGE_EBT_IP=m
# CONFIG_BRIDGE_EBT_IP6 is not set
CONFIG_BRIDGE_EBT_LIMIT=m
CONFIG_BRIDGE_EBT_MARK=m
CONFIG_BRIDGE_EBT_PKTTYPE=m
CONFIG_BRIDGE_EBT_STP=m
CONFIG_BRIDGE_EBT_VLAN=m
CONFIG_BRIDGE_EBT_ARPREPLY=m
CONFIG_BRIDGE_EBT_DNAT=m
CONFIG_BRIDGE_EBT_MARK_T=m
CONFIG_BRIDGE_EBT_REDIRECT=m
CONFIG_BRIDGE_EBT_SNAT=m
CONFIG_BRIDGE_EBT_LOG=m
CONFIG_BRIDGE_EBT_ULOG=m
CONFIG_BRIDGE_EBT_NFLOG=m
CONFIG_IP_DCCP=m
CONFIG_INET_DCCP_DIAG=m
CONFIG_IP_DCCP_ACKVEC=y

#
# DCCP CCIDs Configuration (EXPERIMENTAL)
#
CONFIG_IP_DCCP_CCID2=m
# CONFIG_IP_DCCP_CCID2_DEBUG is not set
CONFIG_IP_DCCP_CCID3=m
# CONFIG_IP_DCCP_CCID3_DEBUG is not set
CONFIG_IP_DCCP_CCID3_RTO=100
CONFIG_IP_DCCP_TFRC_LIB=m

#
# DCCP Kernel Hacking
#
# CONFIG_IP_DCCP_DEBUG is not set
# CONFIG_NET_DCCPPROBE is not set
CONFIG_IP_SCTP=m
# 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 is not set
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_SCTP_HMAC_MD5=y
CONFIG_TIPC=m
CONFIG_TIPC_ADVANCED=y
CONFIG_TIPC_ZONES=3
CONFIG_TIPC_CLUSTERS=1
CONFIG_TIPC_NODES=255
CONFIG_TIPC_SLAVE_NODES=0
CONFIG_TIPC_PORTS=8191
CONFIG_TIPC_LOG=0
# CONFIG_TIPC_DEBUG is not set
CONFIG_ATM=m
CONFIG_ATM_CLIP=m
# CONFIG_ATM_CLIP_NO_ICMP is not set
CONFIG_ATM_LANE=m
CONFIG_ATM_MPOA=m
CONFIG_ATM_BR2684=m
# CONFIG_ATM_BR2684_IPFILTER is not set
CONFIG_STP=m
CONFIG_BRIDGE=m
CONFIG_VLAN_8021Q=m
# CONFIG_VLAN_8021Q_GVRP is not set
CONFIG_DECNET=m
# CONFIG_DECNET_ROUTER is not set
CONFIG_LLC=m
CONFIG_LLC2=m
CONFIG_IPX=m
# CONFIG_IPX_INTERN is not set
CONFIG_ATALK=m
CONFIG_DEV_APPLETALK=m
CONFIG_IPDDP=m
CONFIG_IPDDP_ENCAP=y
CONFIG_IPDDP_DECAP=y
CONFIG_X25=m
CONFIG_LAPB=m
CONFIG_ECONET=m
CONFIG_ECONET_AUNUDP=y
CONFIG_ECONET_NATIVE=y
CONFIG_WAN_ROUTER=m
CONFIG_NET_SCHED=y

#
# Queueing/Scheduling
#
CONFIG_NET_SCH_CBQ=m
CONFIG_NET_SCH_HTB=m
CONFIG_NET_SCH_HFSC=m
CONFIG_NET_SCH_ATM=m
CONFIG_NET_SCH_PRIO=m
CONFIG_NET_SCH_RED=m
CONFIG_NET_SCH_SFQ=m
CONFIG_NET_SCH_TEQL=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_NET_SCH_TBF=m
CONFIG_NET_SCH_GRED=m
CONFIG_NET_SCH_DSMARK=m
CONFIG_NET_SCH_NETEM=m
CONFIG_NET_SCH_INGRESS=m

#
# Classification
#
CONFIG_NET_CLS=y
CONFIG_NET_CLS_BASIC=m
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_CLS_U32_PERF=y
CONFIG_CLS_U32_MARK=y
CONFIG_NET_CLS_RSVP=m
CONFIG_NET_CLS_RSVP6=m
CONFIG_NET_CLS_FLOW=m
CONFIG_NET_EMATCH=y
CONFIG_NET_EMATCH_STACK=32
CONFIG_NET_EMATCH_CMP=m
CONFIG_NET_EMATCH_NBYTE=m
CONFIG_NET_EMATCH_U32=m
CONFIG_NET_EMATCH_META=m
CONFIG_NET_EMATCH_TEXT=m
CONFIG_NET_CLS_ACT=y
CONFIG_NET_ACT_POLICE=m
CONFIG_NET_ACT_GACT=m
CONFIG_GACT_PROB=y
CONFIG_NET_ACT_MIRRED=m
CONFIG_NET_ACT_IPT=m
CONFIG_NET_ACT_NAT=m
CONFIG_NET_ACT_PEDIT=m
CONFIG_NET_ACT_SIMP=m
CONFIG_NET_CLS_IND=y
CONFIG_NET_SCH_FIFO=y

#
# Network testing
#
CONFIG_NET_PKTGEN=m
# CONFIG_NET_TCPPROBE is not set
# CONFIG_HAMRADIO is not set
# CONFIG_CAN is not set
# CONFIG_IRDA is not set
# CONFIG_BT is not set
CONFIG_AF_RXRPC=m
# CONFIG_AF_RXRPC_DEBUG is not set
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_RXKAD=m
CONFIG_FIB_RULES=y

#
# Wireless
#
CONFIG_CFG80211=m
CONFIG_NL80211=y
CONFIG_WIRELESS_EXT=y
CONFIG_WIRELESS_EXT_SYSFS=y
CONFIG_MAC80211=m

#
# Rate control algorithm selection
#
CONFIG_MAC80211_RC_PID=y
CONFIG_MAC80211_RC_DEFAULT_PID=y
CONFIG_MAC80211_RC_DEFAULT="pid"
CONFIG_MAC80211_MESH=y
CONFIG_MAC80211_LEDS=y
# CONFIG_MAC80211_DEBUGFS is not set
# CONFIG_MAC80211_DEBUG_MENU is not set
CONFIG_IEEE80211=m
# CONFIG_IEEE80211_DEBUG is not set
CONFIG_IEEE80211_CRYPT_WEP=m
CONFIG_IEEE80211_CRYPT_CCMP=m
CONFIG_IEEE80211_CRYPT_TKIP=m
CONFIG_RFKILL=m
CONFIG_RFKILL_INPUT=m
CONFIG_RFKILL_LEDS=y
# CONFIG_NET_9P 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_FIRMWARE_IN_KERNEL=y
CONFIG_EXTRA_FIRMWARE=""
# CONFIG_DEBUG_DRIVER is not set
# CONFIG_DEBUG_DEVRES is not set
# CONFIG_SYS_HYPERVISOR is not set
CONFIG_CONNECTOR=m
CONFIG_MTD=m
# CONFIG_MTD_DEBUG is not set
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_MTD_CONCAT=m
CONFIG_MTD_PARTITIONS=y
CONFIG_MTD_REDBOOT_PARTS=m
CONFIG_MTD_REDBOOT_DIRECTORY_BLOCK=-1
# CONFIG_MTD_REDBOOT_PARTS_UNALLOCATED is not set
# CONFIG_MTD_REDBOOT_PARTS_READONLY is not set
CONFIG_MTD_AR7_PARTS=m
```

```
#
# User Modules And Translation Layers
#
```

```
CONFIG_MTD_CHAR=m
CONFIG_MTD_BLKDEVS=m
CONFIG_MTD_BLOCK=m
CONFIG_MTD_BLOCK_RO=m
CONFIG_FTL=m
CONFIG_NFTL=m
CONFIG_NFTL_RW=y
CONFIG_INFTL=m
CONFIG_RFD_FTL=m
CONFIG_SSFDC=m
CONFIG_MTD_OOPS=m
```

```
#
# RAM/ROM/Flash chip drivers
#
CONFIG_MTD_CFI=m
CONFIG_MTD_JEDECPROBE=m
CONFIG_MTD_GEN_PROBE=m
# CONFIG_MTD_CFI_ADV_OPTIONS is not set
CONFIG_MTD_MAP_BANK_WIDTH_1=y
CONFIG_MTD_MAP_BANK_WIDTH_2=y
CONFIG_MTD_MAP_BANK_WIDTH_4=y
# CONFIG_MTD_MAP_BANK_WIDTH_8 is not set
# CONFIG_MTD_MAP_BANK_WIDTH_16 is not set
# CONFIG_MTD_MAP_BANK_WIDTH_32 is not set
CONFIG_MTD_CFI_I1=y
CONFIG_MTD_CFI_I2=y
# CONFIG_MTD_CFI_I4 is not set
# CONFIG_MTD_CFI_I8 is not set
CONFIG_MTD_CFI_INTELEXT=m
CONFIG_MTD_CFI_AMDSTD=m
CONFIG_MTD_CFI_STAA=m
CONFIG_MTD_CFI_UTIL=m
CONFIG_MTD_RAM=m
CONFIG_MTD_ROM=m
CONFIG_MTD_ABSENT=m
```

```
#
# Mapping drivers for chip access
#
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

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```
CONFIG_MTD_COMPLEX_MAPPINGS=y
CONFIG_MTD_PHYSMAP=m
CONFIG_MTD_PHYSMAP_START=0x8000000
CONFIG_MTD_PHYSMAP_LEN=0x4000000
CONFIG_MTD_PHYSMAP_BANKWIDTH=2
CONFIG_MTD_SC520CDP=m
CONFIG_MTD_NETSC520=m
CONFIG_MTD_TS5500=m
CONFIG_MTD_SBC_GXX=m
# CONFIG_MTD_AMD76XR0M is not set
# CONFIG_MTD_ICHXR0M is not set
# CONFIG_MTD_ESB2R0M is not set
# CONFIG_MTD_CK804XR0M is not set
# CONFIG_MTD_SCB2_FLASH is not set
CONFIG_MTD_NETtel=m
CONFIG_MTD_DILNETPC=m
CONFIG_MTD_DILNETPC_BOOTSIZE=0x80000
# CONFIG_MTD_L440GX is not set
CONFIG_MTD_PCI=m
CONFIG_MTD_INTEL_VR_NOR=m
CONFIG_MTD_PLATRAM=m

#
# Self-contained MTD device drivers
#
CONFIG_MTD_PMC551=m
# CONFIG_MTD_PMC551_BUGFIX is not set
# CONFIG_MTD_PMC551_DEBUG is not set
CONFIG_MTD_SLRAM=m
CONFIG_MTD_PHRAM=m
CONFIG_MTD_MTDDRAM=m
CONFIG_MTDDRAM_TOTAL_SIZE=4096
CONFIG_MTDDRAM_ERASE_SIZE=128
CONFIG_MTD_BLOCK2MTD=m

#
# Disk-On-Chip Device Drivers
#
CONFIG_MTD_DOC2000=m
CONFIG_MTD_DOC2001=m
CONFIG_MTD_DOC2001PLUS=m
CONFIG_MTD_DOCPROBE=m
CONFIG_MTD_DOCECC=m
# CONFIG_MTD_DOCPROBE_ADVANCED is not set
CONFIG_MTD_DOCPROBE_ADDRESS=0
CONFIG_MTD_NAND=m
# CONFIG_MTD_NAND_VERIFY_WRITE is not set
# CONFIG_MTD_NAND_ECC_SMC is not set
# CONFIG_MTD_NAND_MUSEUM_IDS is not set
CONFIG_MTD_NAND_IDS=m
CONFIG_MTD_NAND_DISKONCHIP=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
# CONFIG_MTD_NAND_DISKONCHIP_PROBE_ADVANCED is not set
CONFIG_MTD_NAND_DISKONCHIP_PROBE_ADDRESS=0
# CONFIG_MTD_NAND_DISKONCHIP_BBTWRITE is not set
CONFIG_MTD_NAND_CAFE=m
# CONFIG_MTD_NAND_NANDSIM is not set
CONFIG_MTD_NAND_PLATFORM=m
CONFIG_MTD_ALAUDA=m
CONFIG_MTD_ONENAND=m
CONFIG_MTD_ONENAND_VERIFY_WRITE=y
# CONFIG_MTD_ONENAND_OTP is not set
CONFIG_MTD_ONENAND_2X_PROGRAM=y
CONFIG_MTD_ONENAND_SIM=m
```

```
#
# UBI – Unsorted block images
#
CONFIG_MTD_UBI=m
CONFIG_MTD_UBI_WL_THRESHOLD=4096
CONFIG_MTD_UBI_BEB_RESERVE=1
# CONFIG_MTD_UBI_GLUEBI is not set
```

```
#
# UBI debugging options
#
# CONFIG_MTD_UBI_DEBUG is not set
CONFIG_PARPORT=m
CONFIG_PARPORT_PC=m
CONFIG_PARPORT_SERIAL=m
# CONFIG_PARPORT_PC_FIFO is not set
# CONFIG_PARPORT_PC_SUPERIO is not set
CONFIG_PARPORT_PC_PCMCIA=m
# CONFIG_PARPORT_GSC is not set
CONFIG_PARPORT_AX88796=m
CONFIG_PARPORT_1284=y
CONFIG_PARPORT_NOT_PC=y
CONFIG_PNP=y
CONFIG_PNP_DEBUG=y
```

```
#
# Protocols
#
CONFIG_PNPACPI=y
CONFIG_BLK_DEV=y
CONFIG_BLK_DEV_FD=m
CONFIG_PARIDE=m
```

```
#
# Parallel IDE high-level drivers
#
CONFIG_PARIDE_PD=m
CONFIG_PARIDE_PCD=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
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_COMM=m
CONFIG_PARIDE_DSTR=m
CONFIG_PARIDE_FIT2=m
CONFIG_PARIDE_FIT3=m
CONFIG_PARIDE_EPAT=m
# CONFIG_PARIDE_EPATC8 is not set
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_COW_COMMON is not set
CONFIG_BLK_DEV_LOOP=m
CONFIG_BLK_DEV_CRYPTOLOOP=m
CONFIG_BLK_DEV_NBD=m
CONFIG_BLK_DEV_SX8=m
# CONFIG_BLK_DEV_UB is not set
CONFIG_BLK_DEV_RAM=y
CONFIG_BLK_DEV_RAM_COUNT=16
CONFIG_BLK_DEV_RAM_SIZE=65536
# CONFIG_BLK_DEV_XIP is not set
CONFIG_CDROM_PKTCDVD=m
CONFIG_CDROM_PKTCDVD_BUFFERS=8
# CONFIG_CDROM_PKTCDVD_WCACHE is not set
CONFIG_ATA_OVER_ETH=m
CONFIG_VIRTIO_BLK=m
# CONFIG_BLK_DEV_HD is not set
CONFIG_MISC_DEVICES=y
CONFIG_IBM_ASM=m
CONFIG_PHANTOM=m
CONFIG_EEPROM_93CX6=m
CONFIG_SGI_IOC4=m
CONFIG_TIFM_CORE=m
CONFIG_TIFM_7XX1=m
CONFIG_ACER_WMI=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task 25

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_ASUS_LAPTOP=m
CONFIG_FUJITSU_LAPTOP=m
# CONFIG_FUJITSU_LAPTOP_DEBUG is not set
# CONFIG_HP_WMI is not set
CONFIG_MSI_LAPTOP=m
# CONFIG_COMPAL_LAPTOP is not set
CONFIG_SONY_LAPTOP=m
CONFIG_SONYPI_COMPAT=y
CONFIG_THINKPAD_ACPI=m
# CONFIG_THINKPAD_ACPI_DEBUG is not set
CONFIG_THINKPAD_ACPI_BAY=y
CONFIG_THINKPAD_ACPI_VIDEO=y
CONFIG_THINKPAD_ACPI_HOTKEY_POLL=y
# CONFIG_INTEL_MENLOW is not set
CONFIG_EEPC_LAPTOP=m
CONFIG_ENCLOSURE_SERVICES=m
# CONFIG_SGI_XP is not set
CONFIG_HP_ILO=m
# CONFIG_SGI_GRU is not set
CONFIG_HAVE_IDE=y
CONFIG_IDE=m
CONFIG_BLK_DEV_IDE=m

#
# Please see Documentation/ide/ide.txt for help/info on IDE drives
#
CONFIG_IDE_TIMINGS=y
CONFIG_IDE_ATAPI=y
# CONFIG_BLK_DEV_IDE_SATA is not set
CONFIG_BLK_DEV_IDEDISK=m
# CONFIG_IDEDISK_MULTI_MODE is not set
CONFIG_BLK_DEV_IDECS=m
CONFIG_BLK_DEV_DELKIN=m
CONFIG_BLK_DEV_IDECD=m
CONFIG_BLK_DEV_IDECD_VERBOSE_ERRORS=y
CONFIG_BLK_DEV_IDETAPE=m
CONFIG_BLK_DEV_IDEFLOPPY=m
# CONFIG_BLK_DEV_IDESCSI is not set
CONFIG_BLK_DEV_IDEACPI=y
# CONFIG_IDE_TASK_IOCTL is not set
CONFIG_IDE_PROC_FS=y

#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=m
# CONFIG_BLK_DEV_PLATFORM is not set
CONFIG_BLK_DEV_CMD640=m
# CONFIG_BLK_DEV_CMD640_ENHANCED is not set
CONFIG_BLK_DEV_IDEPNP=m
CONFIG_BLK_DEV_IDEDMA_SFF=y
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
#
# PCI IDE chipsets support
#
CONFIG_BLK_DEV_IDEPCI=y
# CONFIG_BLK_DEV_OFFBOARD is not set
CONFIG_BLK_DEV_GENERIC=m
CONFIG_BLK_DEV_OPTI621=m
CONFIG_BLK_DEV_RZ1000=m
CONFIG_BLK_DEV_IDEDMA_PCI=y
CONFIG_BLK_DEV_AEC62XX=m
CONFIG_BLK_DEV_ALI15X3=m
CONFIG_BLK_DEV_AMD74XX=m
CONFIG_BLK_DEV_ATIIXP=m
CONFIG_BLK_DEV_CMD64X=m
CONFIG_BLK_DEV_TRIFLEX=m
CONFIG_BLK_DEV_CS5520=m
CONFIG_BLK_DEV_CS5530=m
CONFIG_BLK_DEV_HPT366=m
CONFIG_BLK_DEV_JMICRON=m
CONFIG_BLK_DEV_SC1200=m
CONFIG_BLK_DEV_PIIX=m
CONFIG_BLK_DEV_IT8213=m
CONFIG_BLK_DEV_IT821X=m
CONFIG_BLK_DEV_NS87415=m
CONFIG_BLK_DEV_PDC202XX_OLD=m
CONFIG_BLK_DEV_PDC202XX_NEW=m
CONFIG_BLK_DEV_SVWKS=m
CONFIG_BLK_DEV_SIIMAGE=m
CONFIG_BLK_DEV_SIS5513=m
CONFIG_BLK_DEV_SLC90E66=m
CONFIG_BLK_DEV_TRM290=m
CONFIG_BLK_DEV_VIA82CXXX=m
CONFIG_BLK_DEV_TC86C001=m
CONFIG_BLK_DEV_IDEDMA=y

#
# SCSI device support
#
CONFIG_RAID_ATTRS=m
CONFIG_SCSI=m
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=m
CONFIG_CHR_DEV_ST=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task 27

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_CHR_DEV_OSST=m
CONFIG_BLK_DEV_SR=m
CONFIG_BLK_DEV_SR_VENDOR=y
CONFIG_CHR_DEV_SG=m
CONFIG_CHR_DEV_SCH=m
CONFIG_SCSI_ENCLOSURE=m

#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
CONFIG_SCSI_MULTI_LUN=y
CONFIG_SCSI_CONSTANTS=y
CONFIG_SCSI_LOGGING=y
CONFIG_SCSI_SCAN_ASYNC=y
CONFIG_SCSI_WAIT_SCAN=m

#
# SCSI Transports
#
CONFIG_SCSI_SPI_ATTRS=m
CONFIG_SCSI_FC_ATTRS=m
CONFIG_SCSI_FC_TGT_ATTRS=y
CONFIG_SCSI_ISCSI_ATTRS=m
CONFIG_SCSI_SAS_ATTRS=m
CONFIG_SCSI_SAS_LIBSAS=m
CONFIG_SCSI_SAS_ATA=y
CONFIG_SCSI_SAS_HOST_SMP=y
# CONFIG_SCSI_SAS_LIBSAS_DEBUG is not set
CONFIG_SCSI_SRP_ATTRS=m
CONFIG_SCSI_SRP_TGT_ATTRS=y
CONFIG_SCSI_LOWLEVEL=y
CONFIG_ISCSI_TCP=m
CONFIG_BLK_DEV_3W_XXXX_RAID=m
CONFIG_SCSI_3W_9XXX=m
CONFIG_SCSI_ACARD=m
CONFIG_SCSI_AACRAID=m
CONFIG_SCSI_AIC7XXX=m
CONFIG_AIC7XXX_CMDS_PER_DEVICE=8
CONFIG_AIC7XXX_RESET_DELAY_MS=15000
CONFIG_AIC7XXX_DEBUG_ENABLE=y
CONFIG_AIC7XXX_DEBUG_MASK=0
CONFIG_AIC7XXX_REG_PRETTY_PRINT=y
CONFIG_SCSI_AIC7XXX_OLD=m
CONFIG_SCSI_AIC79XX=m
CONFIG_AIC79XX_CMDS_PER_DEVICE=32
CONFIG_AIC79XX_RESET_DELAY_MS=15000
CONFIG_AIC79XX_DEBUG_ENABLE=y
CONFIG_AIC79XX_DEBUG_MASK=0
CONFIG_AIC79XX_REG_PRETTY_PRINT=y
CONFIG_SCSI_AIC94XX=m
# CONFIG_AIC94XX_DEBUG is not set
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_SCSI_DPT_I2O=m
CONFIG_SCSI_ADVANSYS=m
CONFIG_SCSI_ARCMSR=m
# CONFIG_SCSI_ARCMSR_AER is not set
CONFIG_MEGARAID_NEWGEN=y
CONFIG_MEGARAID_MM=m
CONFIG_MEGARAID_MAILBOX=m
CONFIG_MEGARAID_LEGACY=m
CONFIG_MEGARAID_SAS=m
CONFIG_SCSI_HPTIOP=m
CONFIG_SCSI_BUSLOGIC=m
CONFIG_SCSI_DMX3191D=m
CONFIG_SCSI_EATA=m
CONFIG_SCSI_EATA_TAGGED_QUEUE=y
CONFIG_SCSI_EATA_LINKED_COMMANDS=y
CONFIG_SCSI_EATA_MAX_TAGS=16
CONFIG_SCSI_FUTURE_DOMAIN=m
CONFIG_SCSI_GDTH=m
CONFIG_SCSI_IPS=m
CONFIG_SCSI_INITIO=m
CONFIG_SCSI_INIA100=m
CONFIG_SCSI_PPA=m
CONFIG_SCSI_IMM=m
# CONFIG_SCSI_IZIP_EPP16 is not set
# CONFIG_SCSI_IZIP_SLOW_CTR is not set
CONFIG_SCSI_MVSAS=m
CONFIG_SCSI_STEX=m
CONFIG_SCSI_SYM53C8XX_2=m
CONFIG_SCSI_SYM53C8XX_DMA_ADDRESSING_MODE=1
CONFIG_SCSI_SYM53C8XX_DEFAULT_TAGS=16
CONFIG_SCSI_SYM53C8XX_MAX_TAGS=64
CONFIG_SCSI_SYM53C8XX_MMIO=y
CONFIG_SCSI_IPR=m
# CONFIG_SCSI_IPR_TRACE is not set
# CONFIG_SCSI_IPR_DUMP is not set
CONFIG_SCSI_QLOGIC_1280=m
CONFIG_SCSI_QLA_FC=m
CONFIG_SCSI_QLA_ISCSI=m
CONFIG_SCSI_LPFC=m
CONFIG_SCSI_DC395x=m
CONFIG_SCSI_DC390T=m
CONFIG_SCSI_DEBUG=m
CONFIG_SCSI_SRP=m
CONFIG_SCSI_LOWLEVEL_PCMCIA=y
CONFIG_PCMCIA_FDOMAIN=m
CONFIG_PCMCIA_QLOGIC=m
CONFIG_PCMCIA_SYM53C500=m
# CONFIG_SCSI_DH is not set
CONFIG_ATA=m
# CONFIG_ATA_NONSTANDARD is not set
CONFIG_ATA_ACPI=y
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_SATA_PMP=y
CONFIG_SATA_AHCI=m
CONFIG_SATA_SIL24=m
CONFIG_ATA_SFF=y
CONFIG_SATA_SVW=m
CONFIG_ATA_PIIX=m
CONFIG_SATA_MV=m
CONFIG_SATA_NV=m
CONFIG_PDC_ADMA=m
CONFIG_SATA_QSTOR=m
CONFIG_SATA_PROMISE=m
CONFIG_SATA_SX4=m
CONFIG_SATA_SIL=m
# CONFIG_SATA_SIS is not set
CONFIG_SATA_ULI=m
CONFIG_SATA_VIA=m
CONFIG_SATA_VITESSE=m
CONFIG_SATA_INIC162X=m
# CONFIG_PATA_ACPI is not set
# CONFIG_PATA_ALI is not set
# CONFIG_PATA_AMD is not set
CONFIG_PATA_ARTOP=m
# CONFIG_PATA_ATIIXP is not set
# CONFIG_PATA_CMD640_PCI is not set
# CONFIG_PATA_CMD64X is not set
# CONFIG_PATA_CS5520 is not set
# CONFIG_PATA_CS5530 is not set
# 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 is not set
# CONFIG_PATA_IT8213 is not set
# CONFIG_PATA_JMICRON is not set
# CONFIG_PATA_TRIFLEX is not set
CONFIG_PATA_MARVELL=m
# CONFIG_PATA_MPIIX is not set
# CONFIG_PATA_OLDPIIX is not set
# CONFIG_PATA_NETCELL is not set
# CONFIG_PATA_NINJA32 is not set
# CONFIG_PATA_NS87410 is not set
# CONFIG_PATA_NS87415 is not set
# CONFIG_PATA_OPTI is not set
# CONFIG_PATA_OPTIDMA is not set
# CONFIG_PATA_PCMCIA is not set
# CONFIG_PATA_PDC_OLD is not set
# CONFIG_PATA_RADISYS is not set
# CONFIG_PATA_RZ1000 is not set
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
# CONFIG_PATA_SC1200 is not set
# CONFIG_PATA_SERVERWORKS is not set
# CONFIG_PATA_PDC2027X is not set
# CONFIG_PATA_SIL680 is not set
CONFIG_PATA_SIS=m
# CONFIG_PATA_VIA is not set
# CONFIG_PATA_WINBOND is not set
CONFIG_PATA_SCH=m
CONFIG_MD=y
CONFIG_BLK_DEV_MD=y
CONFIG_MD_LINEAR=m
CONFIG_MD_RAID0=m
CONFIG_MD_RAID1=y
CONFIG_MD_RAID10=y
CONFIG_MD_RAID456=m
CONFIG_MD_RAID5_RESHAPE=y
CONFIG_MD_MULTIPATH=m
CONFIG_MD_FAULTY=m
CONFIG_BLK_DEV_DM=m
# CONFIG_DM_DEBUG is not set
CONFIG_DM_CRYPT=m
CONFIG_DM_SNAPSHOT=m
CONFIG_DM_MIRROR=m
CONFIG_DM_ZERO=m
CONFIG_DM_MULTIPATH=m
CONFIG_DM_DELAY=m
CONFIG_DM_UEVENT=y
CONFIG_FUSION=y
CONFIG_FUSION_SPI=m
CONFIG_FUSION_FC=m
CONFIG_FUSION_SAS=m
CONFIG_FUSION_MAX_SGE=40
CONFIG_FUSION_CTL=m
# CONFIG_FUSION_LOGGING is not set
```

```
#
# IEEE 1394 (FireWire) support
#
```

```
#
# Enable only one of the two stacks, unless you know what you are doing
#
# CONFIG_FIREWIRE is not set
CONFIG_IEEE1394=m
CONFIG_IEEE1394_OHCI1394=m
CONFIG_IEEE1394_PCILYNX=m
CONFIG_IEEE1394_SBP2=m
# CONFIG_IEEE1394_SBP2_PHYS_DMA is not set
CONFIG_IEEE1394_ETH1394_ROM_ENTRY=y
CONFIG_IEEE1394_ETH1394=m
CONFIG_IEEE1394_RAWIO=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_IEEE1394_VIDEO1394=m
CONFIG_IEEE1394_DV1394=m
# CONFIG_IEEE1394_VERBOSEDEBUG is not set
CONFIG_I2O=m
CONFIG_I2O_LCT_NOTIFY_ON_CHANGES=y
CONFIG_I2O_EXT_ADAPTEC=y
CONFIG_I2O_EXT_ADAPTEC_DMA64=y
CONFIG_I2O_CONFIG=m
CONFIG_I2O_CONFIG_OLD_IOCTL=y
CONFIG_I2O_BUS=m
CONFIG_I2O_BLOCK=m
CONFIG_I2O_SCSI=m
CONFIG_I2O_PROC=m
# CONFIG_MACINTOSH_DRIVERS is not set
CONFIG_NETDEVICES=y
CONFIG_IFB=m
CONFIG_DUMMY=m
CONFIG_BONDING=m
# CONFIG_MACVLAN is not set
CONFIG_EQUALIZER=m
CONFIG_TUN=m
CONFIG_VETH=m
# CONFIG_NET_SB1000 is not set
# CONFIG_ARCNET is not set
# CONFIG_NET_ETHERNET is not set
CONFIG_MII=m
CONFIG_NETDEV_1000=y
# CONFIG_ACENIC is not set
# CONFIG_DL2K is not set
# CONFIG_E1000 is not set
# CONFIG_E1000E is not set
# CONFIG_IP1000 is not set
# CONFIG_IGB is not set
# CONFIG_NS83820 is not set
# CONFIG_HAMACHI is not set
# CONFIG_YELLOWFIN is not set
CONFIG_R8169=m
CONFIG_R8169_VLAN=y
# CONFIG_SIS190 is not set
# CONFIG_SKGE is not set
# CONFIG_SKY2 is not set
# CONFIG_VIA_VELOCITY is not set
# CONFIG_TIGON3 is not set
# CONFIG_BNX2 is not set
# CONFIG_QLA3XXX is not set
# CONFIG_ATL1 is not set
# CONFIG_ATL1E is not set
# CONFIG_NETDEV_10000 is not set
CONFIG_MLX4_CORE=m
# CONFIG_TR is not set
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
#
# Wireless LAN
#
# CONFIG_WLAN_PRE80211 is not set
# CONFIG_WLAN_80211 is not set
# CONFIG_IWLWIFI_LEDS is not set

#
# USB Network Adapters
#
CONFIG_USB_CATC=m
CONFIG_USB_KAWETH=m
CONFIG_USB_PEGASUS=m
CONFIG_USB_RTL8150=m
CONFIG_USB_USBNET=m
CONFIG_USB_NET_AX8817X=m
CONFIG_USB_NET_CDCETHER=m
CONFIG_USB_NET_DM9601=m
CONFIG_USB_NET_GL620A=m
CONFIG_USB_NET_NET1080=m
CONFIG_USB_NET_PLUSB=m
CONFIG_USB_NET_MCS7830=m
CONFIG_USB_NET_RNDIS_HOST=m
CONFIG_USB_NET_CDC_SUBSET=m
CONFIG_USB_ALI_M5632=y
CONFIG_USB_AN2720=y
CONFIG_USB_BELKIN=y
CONFIG_USB_ARMLINUX=y
CONFIG_USB_EPSON2888=y
CONFIG_USB_KC2190=y
CONFIG_USB_NET_ZAURUS=m
# CONFIG_USB_HSO is not set
# CONFIG_NET_PCMCIA is not set
# CONFIG_WAN is not set
# CONFIG_ATM_DRIVERS is not set
# CONFIG_FDDI is not set
# CONFIG_HIPPI is not set
# CONFIG_PLIP is not set
CONFIG_PPP=m
CONFIG_PPP_MULTILINK=y
CONFIG_PPP_FILTER=y
CONFIG_PPP_ASYNC=m
CONFIG_PPP_SYNC_TTY=m
CONFIG_PPP_DEFLATE=m
CONFIG_PPP_BSDCOMP=m
CONFIG_PPP_MPPE=m
CONFIG_PPPOE=m
CONFIG_PPPOATM=m
CONFIG_PPPOL2TP=m
# CONFIG_SLIP is not set
CONFIG_SLHC=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
# CONFIG_NET_FC is not set
CONFIG_NETCONSOLE=m
CONFIG_NETCONSOLE_DYNAMIC=y
CONFIG_NETPOLL=y
# CONFIG_NETPOLL_TRAP is not set
CONFIG_NET_POLL_CONTROLLER=y
CONFIG_VIRTIO_NET=m
# CONFIG_ISDN is not set
# CONFIG_PHONE is not set

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

#
# 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_EVDEV=m
# CONFIG_INPUT_EVBUG is not set

#
# Input Device Drivers
#
CONFIG_INPUT_KEYBOARD=y
CONFIG_KEYBOARD_ATKBD=y
CONFIG_KEYBOARD_SUNKBD=m
CONFIG_KEYBOARD_LKKBD=m
CONFIG_KEYBOARD_XTKBD=m
CONFIG_KEYBOARD_NEWTON=m
CONFIG_KEYBOARD_STOWAWAY=m
CONFIG_INPUT_MOUSE=y
CONFIG_MOUSE_PS2=m
CONFIG_MOUSE_PS2_ALPS=y
CONFIG_MOUSE_PS2_LOGIPS2PP=y
CONFIG_MOUSE_PS2_SYNAPTICS=y
CONFIG_MOUSE_PS2_LIFEBOOK=y
CONFIG_MOUSE_PS2_TRACKPOINT=y
# CONFIG_MOUSE_PS2_TOUCHKIT is not set
CONFIG_MOUSE_SERIAL=m
CONFIG_MOUSE_APPLETOUCH=m
# CONFIG_MOUSE_BCM5974 is not set
CONFIG_MOUSE_VSXXXAA=m
CONFIG_INPUT_JOYSTICK=y
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_JOYSTICK_ANALOG=m
CONFIG_JOYSTICK_A3D=m
CONFIG_JOYSTICK_ADI=m
CONFIG_JOYSTICK_COBRA=m
CONFIG_JOYSTICK_GF2K=m
CONFIG_JOYSTICK_GRIP=m
CONFIG_JOYSTICK_GRIP_MP=m
CONFIG_JOYSTICK_GUILLEMOT=m
CONFIG_JOYSTICK_INTERACT=m
CONFIG_JOYSTICK_SIDEWINDER=m
CONFIG_JOYSTICK_TMDC=m
CONFIG_JOYSTICK_IFORCE=m
CONFIG_JOYSTICK_IFORCE_USB=y
CONFIG_JOYSTICK_IFORCE_232=y
CONFIG_JOYSTICK_WARRIOR=m
CONFIG_JOYSTICK_MAGELLAN=m
CONFIG_JOYSTICK_SPACEORB=m
CONFIG_JOYSTICK_SPACEBALL=m
CONFIG_JOYSTICK_STINGER=m
CONFIG_JOYSTICK_TWIDJOY=m
CONFIG_JOYSTICK_ZHENHUA=m
CONFIG_JOYSTICK_DB9=m
CONFIG_JOYSTICK_GAMECON=m
CONFIG_JOYSTICK_TURBOGRAFX=m
CONFIG_JOYSTICK_JOYDUMP=m
CONFIG_JOYSTICK_XPAD=m
CONFIG_JOYSTICK_XPAD_FF=y
CONFIG_JOYSTICK_XPAD_LEDS=y
CONFIG_INPUT_TABLET=y
CONFIG_TABLET_USB_ACECAD=m
CONFIG_TABLET_USB_AIPTEK=m
CONFIG_TABLET_USB_GTCO=m
CONFIG_TABLET_USB_KBTAB=m
CONFIG_TABLET_USB_WACOM=m
CONFIG_INPUT_TOUCHSCREEN=y
CONFIG_TOUCHSCREEN_FUJITSU=m
CONFIG_TOUCHSCREEN_GUNZE=m
CONFIG_TOUCHSCREEN_ELO=m
CONFIG_TOUCHSCREEN_MTOUCH=m
# CONFIG_TOUCHSCREEN_INEXIO is not set
CONFIG_TOUCHSCREEN_MK712=m
CONFIG_TOUCHSCREEN_PENMOUNT=m
CONFIG_TOUCHSCREEN_TOUCHRIGHT=m
CONFIG_TOUCHSCREEN_TOUCHWIN=m
CONFIG_TOUCHSCREEN_UCB1400=m
CONFIG_TOUCHSCREEN_WM97XX=m
CONFIG_TOUCHSCREEN_WM9705=y
CONFIG_TOUCHSCREEN_WM9712=y
CONFIG_TOUCHSCREEN_WM9713=y
CONFIG_TOUCHSCREEN_USB_COMPOSITE=m
CONFIG_TOUCHSCREEN_USB_EGALAX=y
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_TOUCHSCREEN_USB_PANJIT=y
CONFIG_TOUCHSCREEN_USB_3M=y
CONFIG_TOUCHSCREEN_USB_ITM=y
CONFIG_TOUCHSCREEN_USB_ETURBO=y
CONFIG_TOUCHSCREEN_USB_GUNZE=y
CONFIG_TOUCHSCREEN_USB_DMC_TSC10=y
CONFIG_TOUCHSCREEN_USB_IRTOUCH=y
CONFIG_TOUCHSCREEN_USB_IDEALTEK=y
CONFIG_TOUCHSCREEN_USB_GENERAL_TOUCH=y
CONFIG_TOUCHSCREEN_USB_GOTOP=y
# CONFIG_TOUCHSCREEN_TOUCHIT213 is not set
CONFIG_INPUT_MISC=y
CONFIG_INPUT_PCSPKR=m
CONFIG_INPUT_APANEL=m
CONFIG_INPUT_ATLAS_BTNS=m
CONFIG_INPUT_ATI_REMOTE=m
CONFIG_INPUT_ATI_REMOTE2=m
CONFIG_INPUT_KEYSPAN_REMOTE=m
CONFIG_INPUT_POWERMATE=m
CONFIG_INPUT_YEALINK=m
CONFIG_INPUT_UINPUT=m

#
# Hardware I/O ports
#
CONFIG_SERIO=y
CONFIG_SERIO_I8042=y
CONFIG_SERIO_SERPORT=m
CONFIG_SERIO_CT82C710=m
CONFIG_SERIO_PARKBD=m
CONFIG_SERIO_PCIPS2=m
CONFIG_SERIO_LIBPS2=y
CONFIG_SERIO_RAW=m
CONFIG_GAMEPORT=m
CONFIG_GAMEPORT_NS558=m
CONFIG_GAMEPORT_L4=m
CONFIG_GAMEPORT_EMU10K1=m
CONFIG_GAMEPORT_FM801=m

#
# Character devices
#
CONFIG_VT=y
CONFIG_CONSOLE_TRANSLATIONS=y
CONFIG_VT_CONSOLE=y
CONFIG_HW_CONSOLE=y
# CONFIG_VT_HW_CONSOLE_BINDING is not set
CONFIG_DEVMEM=y
CONFIG_SERIAL_NONSTANDARD=y
CONFIG_COMPUTONE=m
CONFIG_ROCKETPORT=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

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

#
# 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_CS=m
CONFIG_SERIAL_8250_NR_UARTS=32
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 is not set
CONFIG_SERIAL_8250_RSA=y

#
# Non-8250 serial port support
#
CONFIG_SERIAL_CORE=y
CONFIG_SERIAL_CORE_CONSOLE=y
CONFIG_SERIAL_JSM=m
CONFIG_UNIX98_PTYS=y
# CONFIG_LEGACY_PTYS is not set
CONFIG_PRINTER=m
# CONFIG_LP_CONSOLE is not set
CONFIG_PPDEV=m
# CONFIG_VIRTIO_CONSOLE is not set
CONFIG_IPMI_HANDLER=m
# CONFIG_IPMI_PANIC_EVENT is not set
CONFIG_IPMI_DEVICE_INTERFACE=m
CONFIG_IPMI_SI=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_IPMI_WATCHDOG=m
CONFIG_IPMI_POWEROFF=m
CONFIG_HW_RANDOM=m
CONFIG_HW_RANDOM_INTEL=m
CONFIG_HW_RANDOM_AMD=m
CONFIG_HW_RANDOM_VIRTIO=m
CONFIG_NVRAM=m
CONFIG_R3964=m
CONFIG_APPLICOM=m
```

```
#
# PCMCIA character devices
#
CONFIG_SYNCLINK_CS=m
CONFIG_CARDMAN_4000=m
CONFIG_CARDMAN_4040=m
CONFIG_IPWIRELESS=m
CONFIG_MWAVE=m
CONFIG_PC8736x_GPIO=m
CONFIG_NSC_GPIO=m
CONFIG_RAW_DRIVER=m
CONFIG_MAX_RAW_DEVS=256
CONFIG_HPET=y
CONFIG_HPET_MMAP=y
CONFIG_HANGCHECK_TIMER=m
CONFIG_TCG_TPM=m
CONFIG_TCG_TIS=m
CONFIG_TCG_NSC=m
CONFIG_TCG_ATMEL=m
CONFIG_TCG_INFINEON=m
CONFIG_TELCLOCK=m
CONFIG_DEVPORT=y
CONFIG_I2C=m
CONFIG_I2C_BOARDINFO=y
CONFIG_I2C_CHARDEV=m
CONFIG_I2C_HELPER_AUTO=y
CONFIG_I2C_ALGOBIT=m
CONFIG_I2C_ALGOPCA=m
```

```
#
# I2C Hardware Bus support
#
```

```
#
# PC SMBus host controller drivers
#
CONFIG_I2C_ALI1535=m
CONFIG_I2C_ALI1563=m
CONFIG_I2C_ALI15X3=m
CONFIG_I2C_AMD756=m
CONFIG_I2C_AMD756_S4882=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_I2C_AMD8111=m
CONFIG_I2C_I801=m
# CONFIG_I2C_ISCH is not set
CONFIG_I2C_PIIX4=m
CONFIG_I2C_NFORCE2=m
# CONFIG_I2C_NFORCE2_S4985 is not set
CONFIG_I2C_SIS5595=m
CONFIG_I2C_SIS630=m
CONFIG_I2C_SIS96X=m
CONFIG_I2C_VIA=m
CONFIG_I2C_VIAPRO=m

#
# I2C system bus drivers (mostly embedded / system-on-chip)
#
CONFIG_I2C_OCORES=m
CONFIG_I2C_SIMTEC=m

#
# External I2C/SMBus adapter drivers
#
CONFIG_I2C_PARPORT=m
CONFIG_I2C_PARPORT_LIGHT=m
CONFIG_I2C_TAOS_EVM=m
CONFIG_I2C_TINY_USB=m

#
# Graphics adapter I2C/DDC channel drivers
#
CONFIG_I2C_VOODOO3=m

#
# Other I2C/SMBus bus drivers
#
CONFIG_I2C_PCA_PLATFORM=m
CONFIG_I2C_STUB=m

#
# Miscellaneous I2C Chip support
#
CONFIG_DS1682=m
# CONFIG_AT24 is not set
CONFIG_SENSORS_EEPROM=m
CONFIG_SENSORS_PCF8574=m
CONFIG_PCF8575=m
# CONFIG_SENSORS_PCA9539 is not set
CONFIG_SENSORS_PCF8591=m
CONFIG_SENSORS_MAX6875=m
CONFIG_SENSORS_TSL2550=m
# CONFIG_I2C_DEBUG_CORE is not set
# CONFIG_I2C_DEBUG_ALGO is not set
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
# CONFIG_I2C_DEBUG_BUS is not set
# CONFIG_I2C_DEBUG_CHIP is not set
# CONFIG_SPI is not set
CONFIG_ARCH_WANT_OPTIONAL_GPIOLIB=y
# CONFIG_GPIOLIB is not set
CONFIG_W1=m
CONFIG_W1_CON=y

#
# 1-wire Bus Masters
#
CONFIG_W1_MASTER_MATROX=m
CONFIG_W1_MASTER_DS2490=m
CONFIG_W1_MASTER_DS2482=m

#
# 1-wire Slaves
#
CONFIG_W1_SLAVE_THERM=m
CONFIG_W1_SLAVE_SMEM=m
CONFIG_W1_SLAVE_DS2433=m
# 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=m
CONFIG_BATTERY_DS2760=m
CONFIG_HWMON=y
CONFIG_HWMON_VID=m
CONFIG_SENSORS_ABITUGURU=m
CONFIG_SENSORS_ABITUGURU3=m
# CONFIG_SENSORS_AD7414 is not set
CONFIG_SENSORS_AD7418=m
CONFIG_SENSORS_ADM1021=m
CONFIG_SENSORS_ADM1025=m
CONFIG_SENSORS_ADM1026=m
CONFIG_SENSORS_ADM1029=m
CONFIG_SENSORS_ADM1031=m
CONFIG_SENSORS_ADM9240=m
CONFIG_SENSORS_ADT7470=m
CONFIG_SENSORS_ADT7473=m
CONFIG_SENSORS_K8TEMP=m
CONFIG_SENSORS_ASB100=m
CONFIG_SENSORS_ATXP1=m
CONFIG_SENSORS_DS1621=m
CONFIG_SENSORS_I5K_AMB=m
CONFIG_SENSORS_F71805F=m
CONFIG_SENSORS_F71882FG=m
CONFIG_SENSORS_F75375S=m
CONFIG_SENSORS_FSCHER=m
CONFIG_SENSORS_FSCPOS=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_SENSORS_FSCHEM=m
CONFIG_SENSORS_GL518SM=m
CONFIG_SENSORS_GL520SM=m
CONFIG_SENSORS_CORETEMP=m
CONFIG_SENSORS_IBMAEM=m
CONFIG_SENSORS_IBMPEX=m
CONFIG_SENSORS_IT87=m
CONFIG_SENSORS_LM63=m
CONFIG_SENSORS_LM75=m
CONFIG_SENSORS_LM77=m
CONFIG_SENSORS_LM78=m
CONFIG_SENSORS_LM80=m
CONFIG_SENSORS_LM83=m
CONFIG_SENSORS_LM85=m
CONFIG_SENSORS_LM87=m
CONFIG_SENSORS_LM90=m
CONFIG_SENSORS_LM92=m
CONFIG_SENSORS_LM93=m
CONFIG_SENSORS_MAX1619=m
CONFIG_SENSORS_MAX6650=m
CONFIG_SENSORS_PC87360=m
CONFIG_SENSORS_PC87427=m
CONFIG_SENSORS_SIS5595=m
CONFIG_SENSORS_DME1737=m
CONFIG_SENSORS_SMSC47M1=m
CONFIG_SENSORS_SMSC47M192=m
CONFIG_SENSORS_SMSC47B397=m
CONFIG_SENSORS_ADS7828=m
CONFIG_SENSORS_THMC50=m
CONFIG_SENSORS_VIA686A=m
CONFIG_SENSORS_VT1211=m
CONFIG_SENSORS_VT8231=m
CONFIG_SENSORS_W83781D=m
CONFIG_SENSORS_W83791D=m
CONFIG_SENSORS_W83792D=m
CONFIG_SENSORS_W83793=m
CONFIG_SENSORS_W83L785TS=m
CONFIG_SENSORS_W83L786NG=m
CONFIG_SENSORS_W83627HF=m
CONFIG_SENSORS_W83627EHF=m
CONFIG_SENSORS_HDAPS=m
CONFIG_SENSORS_APPLESMC=m
# CONFIG_HWMON_DEBUG_CHIP is not set
CONFIG_THERMAL=m
CONFIG_THERMAL_HWMON=y
CONFIG_WATCHDOG=y
# CONFIG_WATCHDOG_NOWAYOUT is not set

#
# Watchdog Device Drivers
#
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

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

#
# PCI-based Watchdog Cards
#
CONFIG_PCIPCWATCHDOG=m
CONFIG_WDTPCI=m
CONFIG_WDT_501_PCI=y

#
# USB-based Watchdog Cards
#
CONFIG_USBPCWATCHDOG=m

#
# 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_PCMCIAHOST_POSSIBLE=y
CONFIG_SSB_PCMCIAHOST=y
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
# CONFIG_SSB_DEBUG is not set
CONFIG_SSB_DRIVER_PCICORE_POSSIBLE=y
CONFIG_SSB_DRIVER_PCICORE=y

#
# Multifunction device drivers
#
# CONFIG_MFD_CORE is not set
CONFIG_MFD_SM501=m
CONFIG_HTC_PASIC3=m
# CONFIG_MFD_TMIO is not set

#
# Multimedia devices
#

#
# Multimedia core support
#
CONFIG_VIDEO_DEV=m
CONFIG_VIDEO_V4L2_COMMON=m
CONFIG_VIDEO_ALLOW_V4L1=y
CONFIG_VIDEO_V4L1_COMPAT=y
CONFIG_DVB_CORE=m
CONFIG_VIDEO_MEDIA=m

#
# Multimedia drivers
#
CONFIG_VIDEO_SAA7146=m
CONFIG_VIDEO_SAA7146_VV=m
CONFIG_MEDIA_ATTACH=y
CONFIG_MEDIA_TUNER=m
# CONFIG_MEDIA_TUNER_CUSTOMIZE is not set
CONFIG_MEDIA_TUNER_SIMPLE=m
CONFIG_MEDIA_TUNER_TDA8290=m
CONFIG_MEDIA_TUNER_TDA827X=m
CONFIG_MEDIA_TUNER_TDA18271=m
CONFIG_MEDIA_TUNER_TDA9887=m
CONFIG_MEDIA_TUNER_TEA5761=m
CONFIG_MEDIA_TUNER_TEA5767=m
CONFIG_MEDIA_TUNER_MT20XX=m
CONFIG_MEDIA_TUNER_MT2060=m
CONFIG_MEDIA_TUNER_MT2266=m
CONFIG_MEDIA_TUNER_MT2131=m
CONFIG_MEDIA_TUNER_QT1010=m
CONFIG_MEDIA_TUNER_XC2028=m
CONFIG_MEDIA_TUNER_XC5000=m
CONFIG_MEDIA_TUNER_MXL5005S=m
CONFIG_MEDIA_TUNER_MXL5007T=m
CONFIG_VIDEO_V4L2=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_VIDEO_V4L1=m
CONFIG_VIDEOBUF_GEN=m
CONFIG_VIDEOBUF_DMA_SG=m
CONFIG_VIDEOBUF_VMALLOC=m
CONFIG_VIDEOBUF_DVB=m
CONFIG_VIDEO_BTCX=m
CONFIG_VIDEO_IR=m
CONFIG_VIDEO_TVEEPROM=m
CONFIG_VIDEO_TUNER=m
CONFIG_VIDEO_CAPTURE_DRIVERS=y
# CONFIG_VIDEO_ADV_DEBUG is not set
CONFIG_VIDEO_HELPER_CHIPS_AUTO=y
CONFIG_VIDEO_IR_I2C=m
CONFIG_VIDEO_TVAUDIO=m
CONFIG_VIDEO_TDA7432=m
CONFIG_VIDEO_TDA9840=m
CONFIG_VIDEO_TDA9875=m
CONFIG_VIDEO_TEA6415C=m
CONFIG_VIDEO_TEA6420=m
CONFIG_VIDEO_MSP3400=m
CONFIG_VIDEO_CS5345=m
CONFIG_VIDEO_CS53L32A=m
CONFIG_VIDEO_M52790=m
CONFIG_VIDEO_WM8775=m
CONFIG_VIDEO_WM8739=m
CONFIG_VIDEO_VP27SMPX=m
CONFIG_VIDEO_BT819=m
CONFIG_VIDEO_BT856=m
CONFIG_VIDEO_KS0127=m
CONFIG_VIDEO_OV7670=m
CONFIG_VIDEO_SAA7110=m
CONFIG_VIDEO_SAA7111=m
CONFIG_VIDEO_SAA7114=m
CONFIG_VIDEO_SAA711X=m
CONFIG_VIDEO_SAA717X=m
CONFIG_VIDEO_TVP5150=m
CONFIG_VIDEO_VPX3220=m
CONFIG_VIDEO_CX25840=m
CONFIG_VIDEO_CX2341X=m
CONFIG_VIDEO_SAA7127=m
CONFIG_VIDEO_SAA7185=m
CONFIG_VIDEO_ADV7170=m
CONFIG_VIDEO_ADV7175=m
CONFIG_VIDEO_UPD64031A=m
CONFIG_VIDEO_UPD64083=m
CONFIG_VIDEO_VIVI=m
CONFIG_VIDEO_BT848=m
CONFIG_VIDEO_BT848_DVB=y
CONFIG_VIDEO_SAA6588=m
CONFIG_VIDEO_BWQCAM=m
CONFIG_VIDEO_CQCAM=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_VIDEO_W9966=m
CONFIG_VIDEO_CPIA=m
CONFIG_VIDEO_CPIA_PP=m
CONFIG_VIDEO_CPIA_USB=m
CONFIG_VIDEO_CPIA2=m
CONFIG_VIDEO_SAA5246A=m
CONFIG_VIDEO_SAA5249=m
CONFIG_TUNER_3036=m
CONFIG_VIDEO_STRADIS=m
CONFIG_VIDEO_ZORAN=m
CONFIG_VIDEO_ZORAN_DC30=m
CONFIG_VIDEO_ZORAN_ZR36060=m
CONFIG_VIDEO_ZORAN_BUZ=m
CONFIG_VIDEO_ZORAN_DC10=m
CONFIG_VIDEO_ZORAN_LML33=m
CONFIG_VIDEO_ZORAN_LML33R10=m
CONFIG_VIDEO_ZORAN_AV56EYES=m
CONFIG_VIDEO_MEYE=m
CONFIG_VIDEO_SAA7134=m
CONFIG_VIDEO_SAA7134_ALSA=m
CONFIG_VIDEO_SAA7134_DVB=m
CONFIG_VIDEO_MXB=m
CONFIG_VIDEO_DPC=m
CONFIG_VIDEO_HEXIUM_ORION=m
CONFIG_VIDEO_HEXIUM_GEMINI=m
CONFIG_VIDEO_CX88=m
CONFIG_VIDEO_CX88_ALSA=m
CONFIG_VIDEO_CX88_BLACKBIRD=m
CONFIG_VIDEO_CX88_DVB=m
CONFIG_VIDEO_CX88_VP3054=m
CONFIG_VIDEO_CX23885=m
CONFIG_VIDEO_AU0828=m
CONFIG_VIDEO_IVTV=m
CONFIG_VIDEO_FB_IVTV=m
CONFIG_VIDEO_CX18=m
CONFIG_VIDEO_CAFE_CCIC=m
CONFIG_V4L_USB_DRIVERS=y
CONFIG_USB_VIDEO_CLASS=m
CONFIG_USB_VIDEO_CLASS_INPUT_EVDEV=y
# CONFIG_USB_GSPCA is not set
CONFIG_VIDEO_PVRUSB2=m
CONFIG_VIDEO_PVRUSB2_SYSFS=y
CONFIG_VIDEO_PVRUSB2_DVB=y
# CONFIG_VIDEO_PVRUSB2_DEBUGIFC is not set
CONFIG_VIDEO_EM28XX=m
CONFIG_VIDEO_EM28XX_ALSA=m
CONFIG_VIDEO_EM28XX_DVB=m
CONFIG_VIDEO_USBVISION=m
CONFIG_VIDEO_USBVIDEO=m
CONFIG_USB_VICAM=m
CONFIG_USB_IBMCAM=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_USB_KONICAWC=m
CONFIG_USB_QUICKCAM_MESSENGER=m
CONFIG_USB_ET61X251=m
CONFIG_VIDEO_OVCAMCHIP=m
CONFIG_USB_W9968CF=m
CONFIG_USB_OV511=m
CONFIG_USB_SE401=m
CONFIG_USB_SN9C102=m
CONFIG_USB_STV680=m
CONFIG_USB_ZC0301=m
CONFIG_USB_PWC=m
# CONFIG_USB_PWC_DEBUG is not set
CONFIG_USB_ZR364XX=m
CONFIG_USB_STKWEBCAM=m
# CONFIG_USB_S2255 is not set
CONFIG_SOC_CAMERA=m
CONFIG_SOC_CAMERA_MT9M001=m
CONFIG_SOC_CAMERA_MT9V022=m
# CONFIG_SOC_CAMERA_PLATFORM is not set
# CONFIG_VIDEO_SH_MOBILE_CEU is not set
CONFIG_RADIO_ADAPTERS=y
CONFIG_RADIO_GEMTEK_PCI=m
CONFIG_RADIO_MAXIRADIO=m
CONFIG_RADIO_MAESTRO=m
CONFIG_USB_DSBR=m
CONFIG_USB_SI470X=m
CONFIG_DVB_CAPTURE_DRIVERS=y

#
# Supported SAA7146 based PCI Adapters
#
CONFIG_TTPCI_EEPROM=m
CONFIG_DVB_AV7110=m
CONFIG_DVB_AV7110_OSD=y
CONFIG_DVB_BUDGET_CORE=m
CONFIG_DVB_BUDGET=m
CONFIG_DVB_BUDGET_CI=m
CONFIG_DVB_BUDGET_AV=m
CONFIG_DVB_BUDGET_PATCH=m

#
# Supported USB Adapters
#
CONFIG_DVB_USB=m
# CONFIG_DVB_USB_DEBUG is not set
CONFIG_DVB_USB_A800=m
CONFIG_DVB_USB_DIBUSB_MB=m
CONFIG_DVB_USB_DIBUSB_MB_FAULTY=y
CONFIG_DVB_USB_DIBUSB_MC=m
CONFIG_DVB_USB_DIB0700=m
CONFIG_DVB_USB_UMT_010=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
CONFIG_DVB_USB_CXUSB=m
CONFIG_DVB_USB_M920X=m
CONFIG_DVB_USB_GL861=m
CONFIG_DVB_USB_AU6610=m
CONFIG_DVB_USB_DIGITV=m
CONFIG_DVB_USB_VP7045=m
CONFIG_DVB_USB_VP702X=m
CONFIG_DVB_USB_GP8PSK=m
CONFIG_DVB_USB_NOVA_T_USB2=m
CONFIG_DVB_USB_TTUSB2=m
CONFIG_DVB_USB_DTT200U=m
CONFIG_DVB_USB_OPERA1=m
CONFIG_DVB_USB_AF9005=m
CONFIG_DVB_USB_AF9005_REMOTE=m
# CONFIG_DVB_USB_DW2102 is not set
# CONFIG_DVB_USB_ANYSEE is not set
# CONFIG_DVB_TTUSB_BUDGET is not set
CONFIG_DVB_TTUSB_DEC=m
CONFIG_DVB_CINERGYT2=m
# CONFIG_DVB_CINERGYT2_TUNING is not set
# CONFIG_DVB_SIANO_SMS1XXX is not set

#
# Supported FlexCopII (B2C2) Adapters
#
CONFIG_DVB_B2C2_FLEXCOP=m
CONFIG_DVB_B2C2_FLEXCOP_PCI=m
CONFIG_DVB_B2C2_FLEXCOP_USB=m
# CONFIG_DVB_B2C2_FLEXCOP_DEBUG is not set

#
# Supported BT878 Adapters
#
CONFIG_DVB_BT8XX=m

#
# Supported Pluto2 Adapters
#
CONFIG_DVB_PLUTO2=m

#
# Supported DVB Frontends
#

#
# Customise DVB Frontends
#
# CONFIG_DVB_FE_CUSTOMISE is not set

#
# DVB-S (satellite) frontends
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task 47

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
#
CONFIG_DVB_CX24110=m
CONFIG_DVB_CX24123=m
CONFIG_DVB_MT312=m
CONFIG_DVB_S5H1420=m
CONFIG_DVB_STV0299=m
CONFIG_DVB_TDA8083=m
CONFIG_DVB_TDA10086=m
CONFIG_DVB_VES1X93=m
CONFIG_DVB_TUNER_ITD1000=m
CONFIG_DVB_TDA826X=m
CONFIG_DVB_TUA6100=m
```

```
#
# DVB-T (terrestrial) frontends
#
CONFIG_DVB_SP8870=m
CONFIG_DVB_SP887X=m
CONFIG_DVB_CX22700=m
CONFIG_DVB_CX22702=m
# CONFIG_DVB_DRX397XD is not set
CONFIG_DVB_L64781=m
CONFIG_DVB_TDA1004X=m
CONFIG_DVB_NXT6000=m
CONFIG_DVB_MT352=m
CONFIG_DVB_ZL10353=m
CONFIG_DVB_DIB3000MB=m
CONFIG_DVB_DIB3000MC=m
CONFIG_DVB_DIB7000M=m
CONFIG_DVB_DIB7000P=m
CONFIG_DVB_TDA10048=m
```

```
#
# DVB-C (cable) frontends
#
CONFIG_DVB_VES1820=m
CONFIG_DVB_TDA10021=m
CONFIG_DVB_TDA10023=m
CONFIG_DVB_STV0297=m
```

```
#
# ATSC (North American/Korean Terrestrial/Cable DTV) frontends
#
CONFIG_DVB_NXT200X=m
CONFIG_DVB_OR51211=m
CONFIG_DVB_OR51132=m
CONFIG_DVB_BCM3510=m
CONFIG_DVB_LGDT330X=m
CONFIG_DVB_S5H1409=m
CONFIG_DVB_AU8522=m
CONFIG_DVB_S5H1411=m
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task 48

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task

```
#
# Digital terrestrial only tuners/PLL
#
CONFIG_DVB_PLL=m
CONFIG_DVB_TUNER_DIB0070=m

#
# SEC control devices for DVB-S
#
CONFIG_DVB_LNBP21=m
CONFIG_DVB_ISL6405=m
CONFIG_DVB_ISL6421=m
CONFIG_DAB=y
CONFIG_USB_DABUSB=m

#
# Graphics support
#
CONFIG_AGP=y
CONFIG_AGP_AMD64=y
CONFIG_AGP_INTEL=m
CONFIG_AGP_SIS=m
CONFIG_AGP_VIA=m
CONFIG_DRM=m
CONFIG_DRM_TDFX=m
CONFIG_DRM_R128=m
CONFIG_DRM_RADEON=m
CONFIG_DRM_I810=m
CONFIG_DRM_I830=m
CONFIG_DRM_I915=m
CONFIG_DRM_MGA=m
CONFIG_DRM_SIS=m
CONFIG_DRM_VIA=m
CONFIG_DRM_SAVAGE=m
CONFIG_VGASTATE=m
CONFIG_VIDEO_OUTPUT_CONTROL=m
CONFIG_FB=y
CONFIG_FIRMWARE_EDID=y
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_HECUB
```

Re: Quad core CPUs loaded at only 50% when running a CPU and mmap intensive multi-threaded task