

## Re: [patch] latency tracer, 2.6.15-rc7

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-12/msg08212.html>

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- *From:* Lee Revell <[rrevell@xxxxxxxxxxx](mailto:rrevell@xxxxxxxxxxx)>
  - *Date:* Thu, 29 Dec 2005 15:11:12 -0500
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On Thu, 2005-12-29 at 11:17 +0100, Ingo Molnar wrote:

> \* Dave Jones <[davej@xxxxxxxxxxx](mailto:davej@xxxxxxxxxxx)> wrote:

>

>>> could test it by e.g. trying to reproduce the same VM latency as in the

>>> -rt tree. [the two zlib patches are needed if you are using 4K stacks,

>>> mcount increases stack footprint.]

>>

>> kernel/latency.c: In function 'add\_preempt\_count\_ti':

>> kernel/latency.c:1703: warning: implicit declaration of function 'preempt\_count\_ti'

>> kernel/latency.c:1703: error: invalid lvalue in assignment

>> kernel/latency.c: In function 'sub\_preempt\_count\_ti':

>> kernel/latency.c:1764: error: invalid lvalue in assignment

>

> indeed - i have fixed this and have uploaded a new version to:

>

> <http://redhat.com/~mingo/latency-tracing-patches/>

Still does not quite work for me on i386. I applied all the patches as I'm using 4K stacks.

```
LD .tmp_vmlinux1
```

```
init/built-in.o: In function `start_kernel':
```

```
: undefined reference to `preempt_max_latency'
```

```
make: *** [.tmp_vmlinux1] Error 1
```

.config excerpts:

```
# CONFIG_SMP is not set
```

```
# CONFIG_PREEMPT_NONE is not set
```

```
# CONFIG_PREEMPT_VOLUNTARY is not set
```

```
CONFIG_PREEMPT=y
```

```
CONFIG_PREEMPT_BKL=y
```

```
#
```

```
# Kernel hacking
```

```
#
```

```
# CONFIG_PRINTK_TIME is not set
```

```
CONFIG_DEBUG_KERNEL=y
```

```
# CONFIG_MAGIC_SYSRQ is not set
```

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```
CONFIG_LOG_BUF_SHIFT=14
# CONFIG_DETECT_SOFTLOCKUP is not set
# CONFIG_SCHEDSTATS is not set
# CONFIG_DEBUG_SLAB is not set
CONFIG_DEBUG_PREEMPT=y
# CONFIG_DEBUG_SPINLOCK is not set
# CONFIG_DEBUG_SPINLOCK_SLEEP is not set
CONFIG_WAKEUP_TIMING=y
# CONFIG_WAKEUP_LATENCY_HIST is not set
CONFIG_PREEMPT_TRACE=y
CONFIG_CRITICAL_PREEMPT_TIMING=y
# CONFIG_PREEMPT_OFF_HIST is not set
# CONFIG_CRITICAL_IRQSOFF_TIMING is not set
CONFIG_CRITICAL_TIMING=y
CONFIG_LATENCY_TIMING=y
CONFIG_LATENCY_TRACE=y
CONFIG_MCOUNT=y
# CONFIG_DEBUG_KOBJECT is not set
CONFIG_DEBUG_BUGVERBOSE=y
# CONFIG_DEBUG_INFO is not set
# CONFIG_DEBUG_FS is not set
# CONFIG_DEBUG_VM is not set
CONFIG_FRAME_POINTER=y
# CONFIG_RCU_TORTURE_TEST is not set
CONFIG_EARLY_PRINTK=y
# CONFIG_DEBUG_STACKOVERFLOW is not set
# CONFIG_DEBUG_STACK_USAGE is not set
# CONFIG_DEBUG_PAGEALLOC is not set
CONFIG_4KSTACKS=y
CONFIG_X86_FIND_SMP_CONFIG=y
CONFIG_X86_MPPARSE=y
```

Lee

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• *Follow-Ups:*

- ◆ **Re: [patch] latency tracer, 2.6.15-rc7**  
◇ From: Lee Revell

• *References:*

- ◆ **2.6.15-rc5: latency regression vs 2.6.14 in exit mmap->free pgtables**  
◇ From: Lee Revell
- ◆ **Re: 2.6.15-rc5: latency regression vs 2.6.14 in exit mmap->free pgtables**  
◇ From: Hugh Dickins

Re: [patch] latency tracer, 2.6.15-rc7

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- ◆ **Re: 2.6.15-rc5: latency regression vs 2.6.14 in exit mmap->free pgtables**
  - ◇ From: Lee Revell
- ◆ **[patch] latency tracer, 2.6.15-rc7**
  - ◇ From: Ingo Molnar
- ◆ **Re: [patch] latency tracer, 2.6.15-rc7**
  - ◇ From: Dave Jones
- ◆ **Re: [patch] latency tracer, 2.6.15-rc7**
  - ◇ From: Ingo Molnar

- Prev by Date: **Re: [patch 00/2] improve .text size on gcc 4.0 and newer compilers**
- Next by Date: **Re: [patch 0/5] Add MMC password protection (lock/unlock) support**
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