

## Re: [Fwd: Re: [patch] Real-Time Preemption, -RT-2.6.9-mm1-V0.4]

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-10/10285.html>

---

**From:** Florian Schmidt (*mista.tapas\_at\_gmx.net*)

**Date:** 10/31/04

Date: Sun, 31 Oct 2004 15:28:06 +0100

To: Ingo Molnar <mingo@elte.hu>

On Sun, 31 Oct 2004 14:22:37 +0100

Ingo Molnar <mingo@elte.hu> wrote:

> cool! May i have a feature request :-) It would be quite useful to have  
> an option to see the jitter output in percentage and in microseconds as  
> well. I.e. an option to have such a format:  
>  
> late wakeup: +151.3 usecs (14.6%) jitter.

yep, will do so ater trying the 0.6.1 kernel.

> cycles are too large to be human readable, and absolute values are  
> harder to read when HZ is not 1024. So to get a 'quick feel' of the  
> delays in a system the above line would be the most informative (for me  
> that is). Also, the percentage can go back to %. If i think, instead of  
> %.5f or so - it's good to have a decimal point in the percentage but one  
> number after it is more than enough.) The more compact the output, the  
> fewer useless info, the quicker the human brain can read it. (Obviously  
> to generate a nice graph out of it needs a different format.)

well, to generate graphs out of the data one can choose to write the raw  
cycle counts into a "history file". Then one can process this raw data to  
hearts content. i will update the output routines to truncate the percentage  
to %.1f [or the c++ equivalent :)]

>  
> > Here's a typical run (still on V0.5.16, will try V0.6 now):  
>  
> please try -V0.6.1, -V0.6 had a pretty stupid bug that could trigger  
> frequently.  
>  
> > threshold violations: 20  
> > max jitter: 58.1228%  
>  
> here it would also be useful to have the 'max jitter' in usecs. I.e. in

Linux-Kernel: Re: [Fwd: Re: [patch] Real-Time Preemption, -RT-2.6.9-mm1-V0.4]

> *the above case it was somewhere around ~570 usecs.*

ack.

flo

-

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to [majordomo@vger.kernel.org](mailto:majordomo@vger.kernel.org)

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>