

## Re: 2.6.12 Performance problems

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-08/5523.html>

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**From:** Danial Thom ([daniel\\_thom\\_at\\_yahoo.com](mailto:daniel_thom_at_yahoo.com))

**Date:** 08/21/05

Date: Sun, 21 Aug 2005 09:57:22 -0700 (PDT)

To: [linux-kernel@vger.kernel.org](mailto:linux-kernel@vger.kernel.org)

----- Jesper Juhl <[jesper.juhl@gmail.com](mailto:jesper.juhl@gmail.com)> wrote:

> On 8/21/05, Danial Thom <[daniel\\_thom@yahoo.com](mailto:daniel_thom@yahoo.com)>

> wrote:

> > I just started fiddling with 2.6.12, and

> there

> > seems to be a big drop-off in performance

> from

> > 2.4.x in terms of networking on a

> uniprocessor

> > system. Just bridging packets through the

> > machine, 2.6.12 starts dropping packets at

> > ~100Kpps, whereas 2.4.x doesn't start

> dropping

> > until over 350Kpps on the same hardware

> (2.0Ghz

> > Opteron with e1000 driver). This is pitiful

> > performance for this hardware. I've

> > increased the rx ring in the e1000 driver to

> 512

> > with little change (interrupt moderation is

> set

> > to 8000 Ints/second). Has "tuning" for MP

> > destroyed UP performance altogether, or is

> there

> > some tuning parameter that could make a

> 4-fold

> > difference? All debugging is off and there

> are

> > no messages on the console or in the error

> logs.

> > The kernel is the standard kernel.org download

> > config with SMP turned off and the intel

> ethernet

> > card drivers as modules without any other

> > changes, which is exactly the config for my

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> 2.4  
> > *kernels.*  
> >  
>  
> *If you have preemption enabled you could disable*  
> *it. Low latency comes*  
> *at th*