

RE: device polling takes more CPU hits??

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2004-07/0168.html>

From: Kelly Yancey (*kbyanc_at_posi.net*)

Date: 07/26/04

Date: Mon, 26 Jul 2004 13:18:46 -0700 (PDT)

To: Don Bowman <don@sandvine.com>

On Mon, 26 Jul 2004, Don Bowman wrote:

```
> kern.polling.burst: 1000
> kern.polling.each_burst: 80
> kern.polling.burst_max: 1000
> kern.polling.idle_poll: 1
> kern.polling.poll_in_trap: 0
> kern.polling.user_frac: 5
> kern.polling.reg_frac: 120
> kern.polling.short_ticks: 29
> kern.polling.lost_polls: 55004
> kern.polling.pending_polls: 0
> kern.polling.residual_burst: 0
> kern.polling.handlers: 4
> kern.polling.enable: 1
> kern.polling.phase: 0
> kern.polling.suspect: 50690
> kern.polling.stalled: 25
```

Out of curiosity, what sort of testing did you do to arrive at these settings? I did some testing a while back with a SmartBits box pumping packets through a FreeBSD 2.8Ghz box configured to route between two em gigabit interfaces; I found that changing the burst_max and each_burst parameters had almost no effect on throughput (maximum 1% difference). That was completely contrary to expectations and would love to hear how I could improve my test setup to see how changing those values are supposed to affect performance.

Thanks,

Kelly

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Kelly Yancey - kbyanc@{posi.net,FreeBSD.org} - kelly@nttmcl.com
"The information of the people at large can alone make them the safe as they are the sole depository of our political and religious freedom."

-- Thomas Jefferson to William Duane, 1810. ME 12:417

freebsd-net@freebsd.org mailing list

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