

## Re: Network Stack Locking

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2004-05/0098.html>

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**From:** Luigi Rizzo ([rizzo\\_at\\_icir.org](mailto:rizzo_at_icir.org))

**Date:** 05/25/04

Date: Tue, 25 May 2004 11:32:08 -0700

To: Matthew Dillon <[dillon@apollo.backplane.com](mailto:dillon@apollo.backplane.com)>

On Tue, May 25, 2004 at 11:20:49AM -0700, Matthew Dillon wrote:

...

> :Actually, this was the specific point I was making also :-). The question  
> :I was asking was about the depth of the message queues between protocol  
> :stack layers in actual measurements -- are you observing substantial  
> :coallescing between layers as a result of the queues at this point? I'm

...

> It should also be noted that since today's processors are so damn fast,  
> actually maxing out the cpu before maxing out the PCI bus(es), at least  
> on a standard workstation, is difficult.

that's where the soekris comes handy :)

(yes i understand that much of the issues here are related to SMP,  
but there lot of evidence that a non-smp 5.x kernel is significantly  
slower than the equivalent 4.x code, even on heavy network i/o  
loads, so there is certainly something to clean up there too).

cheers

luigi

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