

Re: Bad performance of 7.0 nfs client with Solaris nfs server

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2008-02/msg00142.html>

- *From:* Chuck Swiger <cswiger@xxxxxxx>
 - *Date:* Wed, 20 Feb 2008 10:35:35 -0800
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Hi--

On Feb 20, 2008, at 3:23 AM, Valerio Daelli wrote:

99904 total packets received

[...]

61441 fragments received

[...]

34819 output datagrams fragmented
208914 fragments created

Take a look at the level of packet fragmentation you are encountering; yes, this is expected and things will work but there is extra latency added when the IP stack has to reassemble packets before the data can be delivered. Try setting the NFS rsize/wsize to 1024 or perhaps 1400 and see whether that improves performance.

Or, if your switch and NICs support it, see whether you can get Gb Ethernet jumbo frames working so that you don't have to fragment for 2K or 4K data packets....

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-Chuck

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