

## Re: OSDL aio-stress results on latest kernels show buffered random read issue

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**Date:** 09/30/04

To: linux-kernel@vger.kernel.org

Date: Thu, 30 Sep 2004 14:54:30 -0400

Judith Lebzelter wrote:

> *Hello;*

>

> *I am running aio-stress on the most recent kernels and have  
> found that on linux-2.6.8, 2.6.9-rc2 and 2.6.9-rc2-mm4 the  
> performance of buffered random reads is poor compared to the  
> buffered random writes:*

>

> 2.6.8 2.6.9-rc2 2.6.9-rc2-mm4

> -----

> *random write 35.66 MB/s 34.80 MB/s 29.89 MB/s*

> *random read 7.69 MB/s 7.50 MB/s 7.68 MB/s*

>

> *\*\* 2CPU hosts with striped Megaraid. 1G RAM. 4G File.*

>

>

> *This shows up on our 4CPU host as well. (striped AACRAID.4G  
> RAM. 8G File):*

> 2.6.9-rc2 2.6.9-rc2-mm4 2.6.9-rc2-mm1

> -----

> *random write 31.36 MB/s 18.92 MB/s 18.97 MB/s*

> *random read 11.13 MB/s 9.74 MB/s 11.05 MB/s*

>

>

> *There seems to be an issue with the reads. Usually, reads*

> *should be at least as fast as writes of the same type.*

Usually not, since the write goes to cache in most cases while the read must really happen. The 40% slowdown is troubling, though, that's unexpected.

--

-bill davidsen (davidsen@tmr.com)

"The secret to procrastination is to put things off until the  
last possible moment - but no longer" -me

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