

Re: freebsd-performance Digest, Vol 4, Issue 7

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From: Petri Helenius (*pete_at_he.iki.fi*)

Date: 06/19/03

To: "Jin Guojun [DSD]" <j_guojun@lbl.gov>

Date: Thu, 19 Jun 2003 09:57:35 +0300

- > *But this seems to have different problem. At least write to RAID 1 requires*
- > *twice bus bandwidth for soft RAID 1. So, read should be faster than write.*
- > *But current read is 67 MB/s, write is 10 MB/s. Something is not working.*

Might be that whatever you're using for the write waits for the second write to complete before it issues a write on the first drive again. vinum does this, it does not dispatch both writes at the same time. (I argued about this being "broken" for a while but then gave up, I understand why doing this differently does complicate the code, but at the same time improves performance)

- >
- > *Yes, but adaptec guy says that go find one if you could because 5400 is good.*
- > *They told that 2xxxS has lower performance than 5400.*
- >

This would require faith in the fact that the aac driver will get fixed. It should be noted that I have not tested it with 5400 but tests with 2120S have random failures (shutdowns never complete, containerconfig gets read only sporadically, some operations hang for a relatively long time, etc.) so although I would like to use something like the above mentioned cards, it would jump in a dark, even compared with usually downplayed ATA RAID based solutions.

- > > *And currently there are also the reliability issues with drivers like aac*
- > > *(Adaptec 2120S and 2200S, etc.) "no frills" SCSI or ATA controllers*
- > > *run much more reliably and have more user base so the issues get ironed*
- > > *out quicker.*

- >
- > *They are fixing the driver now, hopefully we will get newer one next week.*
- >

Scottl fixed a bug related to the aaccli interface about two weeks ago, haven't heard from him since. It's good news that the driver is getting actively worked on. (although I keep hearing that his is not exactly getting paid on fixing it)

Pete

freebsd-performance@freebsd.org mailing list

freebsd-performance: Re: freebsd-performance Digest, Vol 4, Issue 7

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