

freebsd-performance: Re: Best disk caching method (and PGSQL performance)

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From: Jeff Roberson (jroberson_at_chesapeake.net)

Date: 09/09/03

Date: Mon, 8 Sep 2003 21:05:00 -0400 (EDT)

To: Terry Lambert <tlambert2@mindspring.com>

On Fri, 5 Sep 2003, Terry Lambert wrote:

> *Sean Chittenden wrote:*
> > > *Also, has anyone played with the other fsync options?*
> >
> > *FreeBSD only supports the default fsync option.*
>
> *And as the comments point out, it lacks the introspection to*
> *know dirty pages from clean ones, so all pages that are in*
> *core and associated with the object are written, not just*
> *the dirty ones. Avoid this, if possible.*

This is not accurate at all. Please see `vfs_subr.c's vop_stdfsync()`. We walk the dirty block head and flush those buffers that are dirty.

>
> *It would be nice if there were an `fcntl` that would `F_SYNCRANGE`*
> *or something similar, so the applicaion could hint the range it*
> *wanted written to the kernel.*
>
> -- Terry
>
> _____
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