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Subject: Re: [PATCH 4/5] blk-throttle: track buffered and anonymous pages

Posted by [Vivek Goyal](#) on Tue, 22 Feb 2011 20:49:28 GMT

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On Tue, Feb 22, 2011 at 10:42:41AM -0800, Chad Talbott wrote:

> On Tue, Feb 22, 2011 at 9:12 AM, Andrea Righi <arighi@develer.com> wrote:

> > Add the tracking of buffered (writeback) and anonymous pages.

> ...

> > ---

> > block/blk-throttle.c | 87 ++++++

> > include/linux/blkdev.h | 26 ++++++

> > 2 files changed, 111 insertions(+), 2 deletions(-)

> >

> > diff --git a/block/blk-throttle.c b/block/blk-throttle.c

> > index 9ad3d1e..a50ee04 100644

> > --- a/block/blk-throttle.c

> > +++ b/block/blk-throttle.c

> ...

> > +int blk\_throtl\_set\_anonpage\_owner(struct page \*page, struct mm\_struct \*mm)

> > +int blk\_throtl\_set\_filepage\_owner(struct page \*page, struct mm\_struct \*mm)

> > +int blk\_throtl\_copy\_page\_owner(struct page \*npage, struct page \*opage)

>

> It would be nice if these were named blk\_cgroup\_\*. This is arguably

> more correct as the id comes from the blkio subsystem, and isn't

> specific to blk-throttle. This will be more important very shortly,

> as CFQ will be using this same cgroup id for async IO tracking soon.

Should this really be all part of blk-cgroup.c and not blk-throttle.c

so that it can be used by CFQ code also down the line? Anyway all this

is not throttle specific as such but blkio controller specific.

Though function naming convention is not great in blk-cgroup.c But

functions either have blkio\_ prefix or blkicg\_ prefix.

Functions which are not directly dealing with cgroups or in general are called by blk-throttle.c and/or cfq-iosched.c I have marked as prefixed with "blkio\_". Functions which directly deal with cgroup stuff and register with cgroup subsystem for this controller are generally having "blkicg\_" prefix.

In this case probably we can use probably blkio\_ prefix.

Thanks

Vivek

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Containers mailing list

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