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Subject: Re: [PATCH 4/5] blk-throttle: track buffered and anonymous pages  
Posted by [Chad Talbott](#) on Tue, 22 Feb 2011 18:42:41 GMT  
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On Tue, Feb 22, 2011 at 9:12 AM, Andrea Righi <[arighi@develer.com](mailto: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.

`is_kernel_io()` is a good idea, it avoids a bug that we've run into with CFQ async IO tracking. Why isn't `PF_KTHREAD` sufficient to cover all kernel threads, including `kswapd` and those marked `PF_MEMALLOC`?

Thanks,  
Chad

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[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)  
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