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Subject: [PATCH 4/4] BIO tracking take2

Posted by [Hirokazu Takahashi](#) on Tue, 20 May 2008 12:04:05 GMT

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Hi,

With this patch, dm-ioband can work with the bio cgroup.

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```
diff -dupr linux-2.6.26-rc2.cg2/drivers/md/dm-ioband-type.c
linux-2.6.26-rc2/drivers/md/dm-ioband-type.c
--- linux-2.6.26-rc2.cg2/drivers/md/dm-ioband-type.c 2008-05-19 13:51:23.000000000 +0900
+++ linux-2.6.26-rc2/drivers/md/dm-ioband-type.c 2008-05-19 18:40:10.000000000 +0900
@@ -6,6 +6,7 @@
 * This file is released under the GPL.
 */
#include <linux/bio.h>
+#include <linux/biocontrol.h>
#include "dm.h"
#include "dm-bio-list.h"
#include "dm-ioband.h"
@@ -53,13 +54,13 @@ static int ioband_node(struct bio *bio)

static int ioband_cgroup(struct bio *bio)
{
- /*
-  * This function should return the ID of the cgroup which issued "bio".
-  * The ID of the cgroup which the current process belongs to won't be
-  * suitable ID for this purpose, since some BIOs will be handled by kernel
-  * threads like aio or pdflush on behalf of the process requesting the BIOs.
-  */
- return 0; /* not implemented yet */
+ struct io_context *ioc = get_bio_cgroup_iocontext(bio);
+ int id = 0;
+ if (ioc) {
+   id = ioc->id;
+   put_io_context(ioc);
+ }
+ return id;
}

struct group_type dm_ioband_group_type[] = {
```

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