
Subject: [PATCH] block layer: elv_iosched_show should get elv_list_lock

Posted by [Anonymous Coward](#) on Wed, 11 Oct 2006 11:19:43 GMT

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elv_iosched_show function iterates other elv_list,
hence elv_list_lock should be got.

Also the question is: in elv_iosched_show, elv_iosched_store
q->elevator->elevator_type construction is used without locking q->queue_lock.
Is it expected?..

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--- linux-2.6.18/block/elevator.c.orig 2006-10-11 11:00:34.000000000 +0400

+++ linux-2.6.18/block/elevator.c 2006-10-11 15:08:20.000000000 +0400

```
@@ -892,7 +892,7 @@ ssize_t elv_iosched_show(request_queue_t
    struct list_head *entry;
    int len = 0;
```

```
- spin_lock_irq(q->queue_lock);
+ spin_lock_irq(&elv_list_lock);
    list_for_each(entry, &elv_list) {
        struct elevator_type *__e;
```

```
@@ -902,7 +902,7 @@ ssize_t elv_iosched_show(request_queue_t
    else
        len += sprintf(name+len, "%s ", __e->elevator_name);
    }
- spin_unlock_irq(q->queue_lock);
+ spin_unlock_irq(&elv_list_lock);
```

```
- spin_unlock_irq(q->queue_lock);
+ spin_unlock_irq(&elv_list_lock);
```

```
len += sprintf(len+name, "\n");
return len;
```
