

---

Subject: [RFC][ only for review ] memory controller bacground reclaim [1/5] spinlock fix in res\_counter modif

Posted by [KAMEZAWA Hiroyuki](#) on Wed, 28 Nov 2007 08:51:35 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

spinlock is necessary when someone changes res\_counter value.

splited out from YAMAMOTO's background page reclaim for memory cgroup set.

Signed-off-by: KAMEZAWA Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>

From: YAMAMOTO Takashi <yamamoto@valinux.co.jp>

kernel/res\_counter.c | 5 +++--

1 file changed, 3 insertions(+), 2 deletions(-)

Index: linux-2.6.24-rc3-mm1/kernel/res\_counter.c

```
=====
--- linux-2.6.24-rc3-mm1.orig/kernel/res_counter.c 2007-11-27 14:07:44.000000000 +0900
+++ linux-2.6.24-rc3-mm1/kernel/res_counter.c 2007-11-27 14:09:40.000000000 +0900
@@ -98,7 +98,7 @@
 {
     int ret;
     char *buf, *end;
-    unsigned long long tmp, *val;
+    unsigned long long flags, tmp, *val;

     buf = kmalloc(nbytes + 1, GFP_KERNEL);
     ret = -ENOMEM;
@@ -121,9 +121,10 @@
     if (*end != '\0')
         goto out_free;
 }
-
+ spin_lock_irqsave(&counter->lock, flags);
+ val = res_counter_member(counter, member);
+ *val = tmp;
+ spin_unlock_irqrestore(&counter->lock, flags);
     ret = nbytes;
out_free:
     kfree(buf);
```

---

Containers mailing list

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

<https://lists.linux-foundation.org/mailman/listinfo/containers>

---