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Subject: [RFC][PATCH 1/4] res\_counter set\_limit and -EBUSY.  
Posted by [KAMEZAWA Hiroyuki](#) on Fri, 18 Jul 2008 10:34:37 GMT  
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Add an interface to set limit. This is necessary to memory resource controller because it shrinks usage at set limit.

(\*) Other controller may not need this interface to shrink usage because shrinking is not necessary or impossible.

This is an enhancement.  
named as res\_counter-limit-change-ebusy.patch

Changelog v1->v2  
- fixed white space bug.

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

include/linux/res\_counter.h | 15 ++++++  
1 file changed, 15 insertions(+)

Index: linux-2.6.26-rc8-mm1/include/linux/res\_counter.h

```
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--- linux-2.6.26-rc8-mm1.orig/include/linux/res_counter.h  
+++ linux-2.6.26-rc8-mm1/include/linux/res_counter.h  
@@ -176,4 +176,19 @@ static inline bool res_counter_can_add(s  
    return ret;  
}  
  
+static inline int res_counter_set_limit(struct res_counter *cnt,  
+ unsigned long long limit)  
+{  
+ unsigned long flags;  
+ int ret = -EBUSY;  
+  
+ spin_lock_irqsave(&cnt->lock, flags);  
+ if (cnt->usage < limit) {  
+ cnt->limit = limit;  
+ ret = 0;  
+ }  
+ spin_unlock_irqrestore(&cnt->lock, flags);  
+ return ret;  
+}  
+  
#endif
```

Containers mailing list  
Containers@lists.linux-foundation.org  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

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