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
===
--- 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

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