
Subject: [PATCH 3/3] Implement failcounter reset
Posted by [Pavel Emelianov](#) on Thu, 13 Mar 2008 11:39:55 GMT
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Merge two resets into one mem_cgroup_reset() function to demonstrate how multiplexing work.

Besides, I have plans to move the files, that correspond to res_counter to the res_counter.c file and somehow "import" them into controller. I don't know how to make it gracefully yet, but merging resets of max_usage and failcnt in one function will be there for sure.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

```
---
include/linux/res_counter.h | 8 ++++++++
mm/memcontrol.c             | 14 ++++++++----
2 files changed, 19 insertions(+), 3 deletions(-)

diff --git a/include/linux/res_counter.h b/include/linux/res_counter.h
index df8085a..3c05d6d 100644
--- a/include/linux/res_counter.h
+++ b/include/linux/res_counter.h
@@ -141,4 +141,12 @@ static inline void res_counter_reset_max(struct res_counter *cnt)
    spin_unlock_irqrestore(&cnt->lock, flags);
}

+static inline void res_counter_reset_failcnt(struct res_counter *cnt)
+{
+ unsigned long flags;
+
+ spin_lock_irqsave(&cnt->lock, flags);
+ cnt->failcnt = 0;
+ spin_unlock_irqrestore(&cnt->lock, flags);
+}
#endif
diff --git a/mm/memcontrol.c b/mm/memcontrol.c
index d3ec3e3..5852b23 100644
--- a/mm/memcontrol.c
+++ b/mm/memcontrol.c
@@ -868,12 +868,19 @@ static ssize_t mem_cgroup_write(struct cgroup *cont, struct cftype *cft,
    mem_cgroup_write_strategy);
}

-static int mem_cgroup_max_reset(struct cgroup *cont, unsigned int event)
+static int mem_cgroup_reset(struct cgroup *cont, unsigned int event)
{
```

```

struct mem_cgroup *mem;

mem = mem_cgroup_from_cont(cont);
- res_counter_reset_max(&mem->res);
+ switch (event) {
+ case RES_MAX_USAGE:
+ res_counter_reset_max(&mem->res);
+ break;
+ case RES_FAILCNT:
+ res_counter_reset_failcnt(&mem->res);
+ break;
+ }
return 0;
}

@@ -927,7 +934,7 @@ static struct cftype mem_cgroup_files[] = {
{
.name = "max_usage_in_bytes",
.private = RES_MAX_USAGE,
- .trigger = mem_cgroup_max_reset,
+ .trigger = mem_cgroup_reset,
.read_u64 = mem_cgroup_read,
},
{
@@ -939,6 +946,7 @@ static struct cftype mem_cgroup_files[] = {
{
.name = "failcnt",
.private = RES_FAILCNT,
+ .trigger = mem_cgroup_reset,
.read_u64 = mem_cgroup_read,
},
{
--
1.5.3.4

```

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