Subject: [PATCH] cgroup: prefer [kv]zalloc over [kv]malloc+memset in memory controller code.
Posted by Jesper Juhl on Mon, 01 Nov 2010 19:35:54 GMT
View Forum Message <> Reply to Message

Hi (please CC me on replies),

In mem_cgroup_alloc() we currently do either kmalloc() or vmalloc() then
followed by memset() to zero the memory. This can be more efficiently
achieved by using kzalloc() and vzalloc().

Signed-off-by: Jesper Juhl <jj@chaosbits.net>
---
 memcontrol.c | 5 ++---
 1 file changed, 2 insertions(+), 3 deletions(-)

diff --git a/mm/memcontrol.c b/mm/memcontrol.c
index 9a99cfa..90da698 100644
--- a/mm/memcontrol.c
+++ b/mm/memcontrol.c
@@ -4199,14 +4199,13 @@ static struct mem_cgroup *mem_cgroup_alloc(void)

  /* Can be very big if MAX_NUMNODES is very big */
  if (size < PAGE_SIZE)
- mem = kmalloc(size, GFP_KERNEL);
+ mem = kzalloc(size, GFP_KERNEL);
  else
- mem = vmalloc(size);
+ mem = vzalloc(size);

  if (!mem)
   return NULL;

- memset(mem, 0, size);
  mem->stat = alloc_percpu(struct mem_cgroup_stat_cpu);
  if (!mem->stat) {
   if (size < PAGE_SIZE)

--
Jesper Juhl <jj@chaosbits.net>   http://www.chaosbits.net/
Plain text mails only, please   http://www.expita.com/nomime.html
Don't top-post http://www.catb.org/~esr/jargon/html/T/top-post.html

_____
Containers mailing list
Containers@lists.linux-foundation.org