
Subject: [RFC][PATCH 3/7] CGroup API: Use cgroup map for memcontrol stats file
Posted by [Paul Menage](#) on Fri, 15 Feb 2008 20:44:21 GMT
[View Forum Message](#) <> [Reply to Message](#)

Remove the seq_file boilerplate used to construct the memcontrol stats map, and instead use the new map representation for cgroup control files

Signed-off-by: Paul Menage <menage@google.com>

mm/memcontrol.c | 30 ++++++-----
1 file changed, 6 insertions(+), 24 deletions(-)

Index: cgroupmap-2.6.24-mm1/mm/memcontrol.c

```
=====
--- cgroupmap-2.6.24-mm1.orig/mm/memcontrol.c
+++ cgroupmap-2.6.24-mm1/mm/memcontrol.c
@@ -974,9 +974,9 @@ static const struct mem_cgroup_stat_desc
 [MEM_CGROUP_STAT_RSS] = { "rss", PAGE_SIZE, },
 };

-static int mem_control_stat_show(struct seq_file *m, void *arg)
+static int mem_control_stat_show(struct cgroup *cont, struct cftype *cft,
+    struct cgroup_map_cb *cb)
 {
- struct cgroup *cont = m->private;
- struct mem_cgroup *mem_cont = mem_cgroup_from_cont(cont);
- struct mem_cgroup_stat *stat = &mem_cont->stat;
- int i;
@@ -986,8 +986,7 @@ static int mem_control_stat_show(struct

    val = mem_cgroup_read_stat(stat, i);
    val *= mem_cgroup_stat_desc[i].unit;
- seq_printf(m, "%s %lld\n", mem_cgroup_stat_desc[i].msg,
-    (long long)val);
+ cb->fill(cb, mem_cgroup_stat_desc[i].msg, val);
 }
 /* showing # of active pages */
 {
@@ -997,29 +996,12 @@ static int mem_control_stat_show(struct
    MEM_CGROUP_ZSTAT_INACTIVE);
    active = mem_cgroup_get_all_zonestat(mem_cont,
    MEM_CGROUP_ZSTAT_ACTIVE);
- seq_printf(m, "active %ld\n", (active) * PAGE_SIZE);
- seq_printf(m, "inactive %ld\n", (inactive) * PAGE_SIZE);
+ cb->fill(cb, "active", (active) * PAGE_SIZE);
+ cb->fill(cb, "inactive", (inactive) * PAGE_SIZE);
```

```

    }
    return 0;
}

-static const struct file_operations mem_control_stat_file_operations = {
- .read = seq_read,
- .llseek = seq_lseek,
- .release = single_release,
-};
-
-static int mem_control_stat_open(struct inode *unused, struct file *file)
-{
- /* XXX __d_cont */
- struct cgroup *cont = file->f_dentry->d_parent->d_fsdata;
-
- file->f_op = &mem_control_stat_file_operations;
- return single_open(file, mem_control_stat_show, cont);
-}
-
-
-
static struct cftype mem_cgroup_files[] = {
{
.name = "usage_in_bytes",
@@ -1044,7 +1026,7 @@ static struct cftype mem_cgroup_files[]
},
{
.name = "stat",
- .open = mem_control_stat_open,
+ .read_map = mem_control_stat_show,
},
};

--

```

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