
Subject: [PATCH v7 7/8] Display current tcp memory allocation in kmem cgroup
Posted by [Glauber Costa](#) on Thu, 13 Oct 2011 13:09:41 GMT
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This patch introduces kmem.tcp_current_memory file, living in the kmem_cgroup filesystem. It is a simple read-only file that displays the amount of kernel memory currently consumed by the cgroup.

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Documentation/cgroups/memory.txt | 1 +
mm/memcontrol.c | 5 +++++
2 files changed, 6 insertions(+), 0 deletions(-)

diff --git a/Documentation/cgroups/memory.txt b/Documentation/cgroups/memory.txt
index e773bd7..b937a99 100644

--- a/Documentation/cgroups/memory.txt
+++ b/Documentation/cgroups/memory.txt
@@ -79,6 +79,7 @@ Brief summary of control files.
memory.independent_kmem_limit # select whether or not kernel memory limits are
independent of user limits
memory.kmem.tcp.limit_in_bytes # set/show hard limit for tcp buf memory
+ memory.kmem.tcp.usage_in_bytes # show current tcp buf memory allocation

1. History

diff --git a/mm/memcontrol.c b/mm/memcontrol.c
index b696267..1ba318d 100644
--- a/mm/memcontrol.c
+++ b/mm/memcontrol.c
@@ -543,6 +543,11 @@ static struct cftype tcp_files[] = {
.read_u64 = mem_cgroup_read,
.private = MEMFILE_PRIVATE(_KMEM_TCP, RES_LIMIT),
},
+ {
+ .name = "kmem.tcp.usage_in_bytes",
+ .read_u64 = mem_cgroup_read,
+ .private = MEMFILE_PRIVATE(_KMEM_TCP, RES_USAGE),
+ },
};

static void tcp_create_cgroup(struct mem_cgroup *cg, struct cgroup_subsys *ss)

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1.7.6.4
