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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

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