
Subject: [PATCH v7 00/10] Request for Inclusion: per-cgroup tcp memory pressure
Posted by [Glauber Costa](#) on Tue, 29 Nov 2011 23:56:51 GMT

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Hi,

This patchset implements per-cgroup tcp memory pressure controls. It did not change significantly since last submission: rather, it just merges the comments Kame had. Most of them are style-related and/or Documentation, but there are two real bugs he managed to spot (thanks)

Please let me know if there is anything else I should address.

Glauber Costa (10):

Basic kernel memory functionality for the Memory Controller foundations of per-cgroup memory pressure controlling.
socket: initial cgroup code.

tcp memory pressure controls

per-netns ipv4 sysctl_tcp_mem

tcp buffer limitation: per-cgroup limit

Display current tcp memory allocation in kmem cgroup

Display current tcp failcnt in kmem cgroup

Display maximum tcp memory allocation in kmem cgroup

Disable task moving when using kernel memory accounting

Documentation/cgroups/memory.txt | 52 +++++++

include/linux/memcontrol.h | 19 +++

include/net/netns/ipv4.h | 1 +

include/net/sock.h | 298 ++++++-----

include/net/tcp.h | 4 +-

include/net/tcp_memcontrol.h | 19 +++

init/Kconfig | 14 ++

mm/memcontrol.c | 202 ++++++-----

net/core/sock.c | 120 ++++++-----

net/ipv4/Makefile | 1 +

net/ipv4/af_inet.c | 2 +

net/ipv4/proc.c | 7 +-

net/ipv4/sysctl_net_ipv4.c | 65 +++++++

net/ipv4/tcp.c | 11 +-

net/ipv4/tcp_input.c | 12 +-

net/ipv4/tcp_ipv4.c | 13 +-

net/ipv4/tcp_memcontrol.c | 268 ++++++-----

net/ipv4/tcp_output.c | 2 +-

net/ipv4/tcp_timer.c | 2 +-

net/ipv6/af_inet6.c | 2 +

net/ipv6/tcp_ipv6.c | 7 +-

21 files changed, 1036 insertions(+), 85 deletions(-)

```
create mode 100644 include/net/tcp_memcontrol.h
create mode 100644 net/ipv4/tcp_memcontrol.c
```

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1.7.6.4
