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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

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