
Subject: [PATCH v9 0/9] Request for inclusion: per-cgroup tcp memory pressure controls

Posted by [Glauber Costa](#) on Mon, 12 Dec 2011 07:47:00 GMT

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Hi,

This series fixes all the few comments raised in the last round, and seem to have acquired consensus from the memcg side.

Dave, do you think it is acceptable now from the networking PoV?
In case positive, would you prefer merging this trough your tree, or acking this so a cgroup maintainer can do it?

Thanks

Glauber Costa (9):

- 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

```
Documentation/cgroups/memory.txt | 46 ++++++-
include/linux/memcontrol.h        | 23 +++++
include/net/netns/ipv4.h          | 1 +
include/net/sock.h                | 244 ++++++
include/net/tcp.h                 | 4 +-
include/net/tcp_memcontrol.h      | 19 +++
init/Kconfig                      | 11 ++
mm/memcontrol.c                   | 191 ++++++
net/core/sock.c                   | 112 ++++++
net/ipv4/Makefile                 | 1 +
net/ipv4/af_inet.c                | 2 +
net/ipv4/proc.c                   | 6 +-
net/ipv4/sysctl_net_ipv4.c        | 65 ++++++-
net/ipv4/tcp.c                    | 11 +--
net/ipv4/tcp_input.c              | 12 +-
net/ipv4/tcp_ipv4.c               | 14 ++-
net/ipv4/tcp_memcontrol.c         | 272 ++++++
net/ipv4/tcp_output.c             | 2 +-
net/ipv4/tcp_timer.c              | 2 +-
net/ipv6/af_inet6.c               | 2 +
```

net/ipv6/tcp_ipv6.c | 8 +-
21 files changed, 973 insertions(+), 75 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
