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Subject: [PATCH v6 0/8] per-cgroup tcp memory pressure handling  
Posted by [Glauber Costa](#) on Mon, 10 Oct 2011 10:24:20 GMT  
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Hi Guys,

I hope we have it all sorted this time. Main differences from v5:

- \* using res\_counters for tcp\_memory\_allocated
- \* tried to get maximum consistency with the rest of memcg files
- Now files appear even in root memcg, but we can't set any limits on it. (comes more or less for free with re-use of the files)
- \* softlimit and failcnt are not shown, but I intend to introduce them in a followup series (failcnt is easy, but softlimit may need some more network-side work, at least testing)

I will be happy to address any comments you may have.

Glauber Costa (8):

Basic kernel memory functionality for the Memory Controller socket: initial cgroup code.

foundations of per-cgroup memory pressure controlling.

per-cgroup tcp buffers control

per-netns ipv4 sysctl\_tcp\_mem

tcp buffer limitation: per-cgroup limit

Display current tcp memory allocation in kmem cgroup

Disable task moving when using kernel memory accounting

Documentation/cgroups/memory.txt | 38 +----

crypto/af_alg.c	8 +-
include/linux/memcontrol.h	49 +++++
include/net/netns/ipv4.h	1 +
include/net/sock.h	130 ++++++-----
include/net/tcp.h	30 +---
include/net/udp.h	4 +-
include/trace/events/sock.h	10 +-
init/Kconfig	14 ++
mm/memcontrol.c	375 ++++++-----
net/core/sock.c	104 +++++---
net/decnet/af_decnet.c	22 +-
net/ipv4/proc.c	7 +-
net/ipv4/sysctl_net_ipv4.c	71 +++++-
net/ipv4/tcp.c	60 +----
net/ipv4/tcp_input.c	12 +-
net/ipv4/tcp_ipv4.c	23 +-
net/ipv4/tcp_output.c	2 +-
net/ipv4/tcp_timer.c	2 +-
net/ipv4/udp.c	21 +-

```
net/ipv6/tcp_ipv6.c      | 20 +--  
net/ipv6/udp.c          |  4 +-  
net/sctp/socket.c       | 37 +++-  
23 files changed, 912 insertions(+), 132 deletions(-)
```

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1.7.6.4

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