Subject: [PATCH net-2.6.26 5/6][IPV4][NETNS]: Display per-net info in sockstat file.
Posted by Pavel Emelianov on Mon, 31 Mar 2008 12:19:01 GMT
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Besides, now we can see per-net fragments statistics in the
same file, since this stats is already per-net.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

---
 net/ipv4/proc.c |   41 ++++++++++++++++++++++++++++++++---------
 1 files changed, 34 insertions(+), 7 deletions(-)

diff --git a/net/ipv4/proc.c b/net/ipv4/proc.c
index 24ae23b..552169b 100644
--- a/net/ipv4/proc.c
+++ b/net/ipv4/proc.c
@@ -51,27 +51,54 @@
  */
 static int sockstat_seq_show(struct seq_file *seq, void *v)
 {
+ struct net *net = seq->private;
+
  socket_seq_show(seq);
  seq_printf(seq, "TCP: inuse %d orphan %d tw %d alloc %d mem %d\n",
-     sock_prot_inuse_get(&init_net, &tcp_prot),
+     sock_prot_inuse_get(net, &tcp_prot),
      atomic_read(&tcp_orphan_count),
      tcp_death_row.tw_count, atomic_read(&tcp_sockets_allocated),
      atomic_read(&tcp_memory_allocated));
  seq_printf(seq, "UDP: inuse %d mem %d\n",
-     sock_prot_inuse_get(&init_net, &udp_prot),
+     sock_prot_inuse_get(net, &udp_prot),
      atomic_read(&udp_memory_allocated));
  seq_printf(seq, "UDPLITE: inuse %d\n",
-     sock_prot_inuse_get(&init_net, &udplite_prot));
+     sock_prot_inuse_get(net, &udplite_prot));
  seq_printf(seq, "RAW: inuse %d\n",
-     sock_prot_inuse_get(&init_net, &raw_prot));
+     sock_prot_inuse_get(net, &raw_prot));
  seq_printf(seq,  "FRAG: inuse %d memory %d\n",
-   ip_frag_nqueues(&init_net), ip_frag_mem(&init_net));
+   ip_frag_nqueues(net), ip_frag_mem(net));
  return 0;
 }

 static int sockstat_seq_open(struct inode *inode, struct file *file)
 {

```
- return single_open(file, sockstat_seq_show, NULL);
+ int err;
+ struct net *net;
+
+ err = -ENXIO;
+ net = get_proc_net(inode);
+ if (net == NULL)
+  goto err_net;
+
+ err = single_open(file, sockstat_seq_show, net);
+ if (err < 0)
+  goto err_open;
+
+ return 0;
+
+err_open:
+ put_net(net);
+err_net:
+ return err;
+}
+
+static int sockstat_seq_release(struct inode *inode, struct file *file)
+{
+ struct net *net = ((struct seq_file *)file->private_data)->private;
+
+ put_net(net);
+ return single_release(inode, file);
 }

 static const struct file_operations sockstat_seq_fops = {
@@ -79,7 +106,7 @@ static const struct file_operations sockstat_seq_fops = {
  .open  = sockstat_seq_open,
  .read  = seq_read,
  .llseek  = seq_lseek,
- .release = single_release,
+ .release = sockstat_seq_release,
 };

 /* snmp items */
--
1.5.3.4
```