
Subject: [PATCH 10/11] [NETNS]: Create tcp control socket in the each namespace.

Posted by [den](#) on Fri, 28 Mar 2008 09:08:57 GMT

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Signed-off-by: Denis V. Lunev <den@openvz.org>

```
include/net/netns/ipv4.h | 1 +
net/ipv4/tcp_ipv4.c      | 26 ++++++++
2 files changed, 25 insertions(+), 2 deletions(-)
```

diff --git a/include/net/netns/ipv4.h b/include/net/netns/ipv4.h

index af685f7..34ee348 100644

--- a/include/net/netns/ipv4.h

+++ b/include/net/netns/ipv4.h

```
@@ -28,6 +28,7 @@ struct netns_ipv4 {
    struct sock *fibnl;
```

```
    struct sock **icmp_sk;
+ struct sock *tcp_sock;
```

```
    struct netns_frags frags;
```

```
    #ifdef CONFIG_NETFILTER
```

diff --git a/net/ipv4/tcp_ipv4.c b/net/ipv4/tcp_ipv4.c

index 2ee7fb9..14944af 100644

--- a/net/ipv4/tcp_ipv4.c

+++ b/net/ipv4/tcp_ipv4.c

```
@@ -2491,11 +2491,33 @@ struct proto tcp_prot = {
    REF_PROTO_INUSE(tcp)
};
```

+

```
+static int __net_init tcp_sk_init(struct net *net)
+{
+ int err;
+ err = inet_csk_ctl_sock_create(&net->ipv4.tcp_sock,
+ PF_INET, SOCK_RAW, IPPROTO_TCP);
+ if (err < 0)
+ return err;
+ sk_change_net(net->ipv4.tcp_sock, net);
+ return 0;
+}
+
+static void __net_exit tcp_sk_exit(struct net *net)
+{
+ sk_release_kernel(net->ipv4.tcp_sock);
+}
+
```

```
+static struct pernet_operations __net_initdata tcp_sk_ops = {
+    .init = tcp_sk_init,
+    .exit = tcp_sk_exit,
+};
+
+void __init tcp_v4_init(void)
+{
+    if (inet_csk_ctl_sock_create(&tcp_sock, PF_INET, SOCK_RAW,
+        IPPROTO_TCP) < 0)
+    if (register_pernet_device(&tcp_sk_ops))
+        panic("Failed to create the TCP control socket.\n");
+    tcp_sock = init_net.ipv4.tcp_sock;
+}

EXPORT_SYMBOL(ipv4_specific);
--
1.5.3.rc5
```

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
