
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

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Containers@lists.linux-foundation.org

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