

Subject: [PATCH 15/17] [NETNS]: Enable all routing manipulation via netlink inside namespace.

Posted by [den](#) on Wed, 06 Feb 2008 10:53:35 GMT

[View Forum Message](#) <> [Reply to Message](#)

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

```
---
net/ipv4/route.c | 16 ++++++-----
1 files changed, 8 insertions(+), 8 deletions(-)

diff --git a/net/ipv4/route.c b/net/ipv4/route.c
index 8a31e33..92ff622 100644
--- a/net/ipv4/route.c
+++ b/net/ipv4/route.c
@@ -2672,9 +2672,6 @@ static int inet_rtm_getroute(struct sk_buff *in_skb, struct nlmsghdr*
nlh, void
{
    int err;
    struct sk_buff *skb;

- if (net != &init_net)
- return -EINVAL;
-
    err = nlmsg_parse(nlh, sizeof(*rtm), tb, RTA_MAX, rtm_ipv4_policy);
    if (err < 0)
        goto errout;
@@ -2704,7 +2701,7 @@ static int inet_rtm_getroute(struct sk_buff *in_skb, struct nlmsghdr*
nlh, void
{
    if (iif) {
        struct net_device *dev;

- dev = __dev_get_by_index(&init_net, iif);
+ dev = __dev_get_by_index(net, iif);
        if (dev == NULL) {
            err = -ENODEV;
            goto errout_free;
@@ -2730,7 +2727,7 @@ static int inet_rtm_getroute(struct sk_buff *in_skb, struct nlmsghdr*
nlh, void
    },
    .oif = tb[RTA_OIF] ? nla_get_u32(tb[RTA_OIF]) : 0,
};

- err = ip_route_output_key(&init_net, &rt, &fl);
+ err = ip_route_output_key(net, &rt, &fl);
}

if (err)
@@ -2741,11 +2738,11 @@ static int inet_rtm_getroute(struct sk_buff *in_skb, struct nlmsghdr*
nlh, void
{
    rt->rt_flags |= RTCF_NOTIFY;
}
```

```

    err = rt_fill_info(skb, NETLINK_CB(in_skb).pid, nlh->nlmsg_seq,
-   RTM_NEWROUTE, 0, 0);
+   RTM_NEWROUTE, 0, 0);
    if (err <= 0)
        goto errout_free;

- err = rtnl_unicast(skb, &init_net, NETLINK_CB(in_skb).pid);
+ err = rtnl_unicast(skb, net, NETLINK_CB(in_skb).pid);
errout:
    return err;

```

```

@@ -2759,6 +2756,9 @@ int ip_rt_dump(struct sk_buff *skb, struct netlink_callback *cb)
    struct rtable *rt;
    int h, s_h;
    int idx, s_idx;
+ struct net *net;
+
+ net = skb->sk->sk_net;

```

```

    s_h = cb->args[0];
    if (s_h < 0)
@@ -2768,7 +2768,7 @@ int ip_rt_dump(struct sk_buff *skb, struct netlink_callback *cb)
    rcu_read_lock_bh();
    for (rt = rcu_dereference(rt_hash_table[h].chain), idx = 0; rt;
        rt = rcu_dereference(rt->u.dst.rt_next), idx++) {
-   if (idx < s_idx)
+   if (rt->u.dst.dev->nd_net != net || idx < s_idx)
        continue;
    if (rt->rt_genid != atomic_read(&rt_genid))
        continue;

```

--

1.5.3.rc5