
Subject: [PATCH 4/7 net-2.6.25] [NETNS]: Process interface address manipulation routines in the namespace.

Posted by [den](#) on Fri, 25 Jan 2008 13:52:00 GMT

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The namespace is available when required except rtm_to_ifaddr. Add namespace argument to it.

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

net/ipv4/devinet.c | 14 ++++++-----
1 files changed, 8 insertions(+), 6 deletions(-)

diff --git a/net/ipv4/devinet.c b/net/ipv4/devinet.c
index e55c85e..6a6e92e 100644
--- a/net/ipv4/devinet.c
+++ b/net/ipv4/devinet.c
@@ -485,7 +485,7 @@ errout:
 return err;
}

-static struct in_ifaddr *rtm_to_ifaddr(struct nlmsghdr *nlh)
+static struct in_ifaddr *rtm_to_ifaddr(struct net *net, struct nlmsghdr *nlh)
{
 struct nlattr *tb[IFA_MAX+1];
 struct in_ifaddr *ifa;
@@ -503,7 +503,7 @@ static struct in_ifaddr *rtm_to_ifaddr(struct nlmsghdr *nlh)
 if (ifm->ifa_prefixlen > 32 || tb[IFA_LOCAL] == NULL)
 goto errout;

- dev = __dev_get_by_index(&init_net, ifm->ifa_index);
+ dev = __dev_get_by_index(net, ifm->ifa_index);
 err = -ENODEV;
 if (dev == NULL)
 goto errout;
@@ -571,7 +571,7 @@ static int inet_rtm_newaddr(struct sk_buff *skb, struct nlmsghdr *nlh, void
*arg
 if (net != &init_net)
 return -EINVAL;

- ifa = rtm_to_ifaddr(nlh);
+ ifa = rtm_to_ifaddr(net, nlh);
 if (IS_ERR(ifa))
 return PTR_ERR(ifa);

@@ -1189,7 +1189,7 @@ static int inet_dump_ifaddr(struct sk_buff *skb, struct netlink_callback
*cb)

```

s_ip_idx = ip_idx = cb->args[1];
idx = 0;
- for_each_netdev(&init_net, dev) {
+ for_each_netdev(net, dev) {
    if (idx < s_idx)
        goto cont;
    if (idx > s_idx)
@@ -1223,7 +1223,9 @@ static void rtmsg_ifa(int event, struct in_ifaddr* ifa, struct nlmsghdr
*nlh,
    struct sk_buff *skb;
    u32 seq = nlh ? nlh->nlmsg_seq : 0;
    int err = -ENOBUFS;
+ struct net *net;

+ net = ifa->ifa_dev->dev->nd_net;
    skb = nlmsg_new(inet_nlmsg_size(), GFP_KERNEL);
    if (skb == NULL)
        goto errout;
@@ -1235,10 +1237,10 @@ static void rtmsg_ifa(int event, struct in_ifaddr* ifa, struct nlmsghdr
*nlh,
    kfree_skb(skb);
    goto errout;
}
- err = rtnl_notify(skb, &init_net, pid, RTNLGRP_IPV4_IFADDR, nlh, GFP_KERNEL);
+ err = rtnl_notify(skb, net, pid, RTNLGRP_IPV4_IFADDR, nlh, GFP_KERNEL);
errout:
    if (err < 0)
-    rtnl_set_sk_err(&init_net, RTNLGRP_IPV4_IFADDR, err);
+    rtnl_set_sk_err(net, RTNLGRP_IPV4_IFADDR, err);
}

#ifdef CONFIG_SYSCTL
--
1.5.3.rc5

```
