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
```