
Subject: [PATCH RFC 26/31] net: Make the netlink methods in rtnetlink handle multiple network namespaces

Posted by [ebiederm](#) on Thu, 25 Jan 2007 19:00:28 GMT

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From: Eric W. Biederman <ebiederm@xmission.com> - unquoted

It turns out after a quick audit that except for removing the checks there is really nothing to do here.

Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

net/core/rtnetlink.c | 21 +++-----

1 files changed, 3 insertions(+), 18 deletions(-)

diff --git a/net/core/rtnetlink.c b/net/core/rtnetlink.c

index 29a81bf..0a42258 100644

--- a/net/core/rtnetlink.c

+++ b/net/core/rtnetlink.c

@@ -409,9 +409,6 @@ static int rtnl_dump_ifinfo(struct sk_buff *skb, struct netlink_callback *cb)
int s_idx = cb->args[0];
struct net_device *dev;

- if (!net_eq(net, init_net()))

- return 0;

-

read_lock(&per_net(dev_base_lock, net));

for (dev=per_net(dev_base, net), idx=0; dev; dev = dev->next, idx++) {

if (idx < s_idx)

@@ -446,9 +443,6 @@ static int rtnl_setlink(struct sk_buff *skb, struct nlmsg_hdr *nlh, void *arg)
struct nlattr *tb[IFLA_MAX+1];
char ifname[IFNAMSIZ];

- if (!net_eq(net, init_net()))

- return -EINVAL;

-

err = nlmsg_parse(nlh, sizeof(*ifm), tb, IFLA_MAX, ifla_policy);

if (err < 0)

goto errout;

@@ -622,9 +616,6 @@ static int rtnl_getlink(struct sk_buff *skb, struct nlmsg_hdr *nlh, void *arg)

int iw_buf_len = 0;

int err;

- if (!net_eq(net, init_net()))

- return -EINVAL;

-

err = nlmsg_parse(nlh, sizeof(*ifm), tb, IFLA_MAX, ifla_policy);

if (err < 0)

```

    return err;
@@ -673,13 +664,9 @@ errout:

static int rtnl_dump_all(struct sk_buff *skb, struct netlink_callback *cb)
{
- net_t net = skb->sk->sk_net;
  int idx;
  int s_idx = cb->family;

- if (!net_eq(net, init_net()))
- return 0;
-
  if (s_idx == 0)
    s_idx = 1;
  for (idx=1; idx<NPROTO; idx++) {
@@ -701,6 +688,7 @@ static int rtnl_dump_all(struct sk_buff *skb, struct netlink_callback *cb)

void rtmsg_ifinfo(int type, struct net_device *dev, unsigned change)
{
+ net_t net = dev->nd_net;
  struct sk_buff *skb;
  int err = -ENOBUFS;

@@ -712,10 +700,10 @@ void rtmsg_ifinfo(int type, struct net_device *dev, unsigned change)
  /* failure implies BUG in if_nlmsg_size() */
  BUG_ON(err < 0);

- err = rtnl_notify(skb, init_net(), 0, RTNLGRP_LINK, NULL, GFP_KERNEL);
+ err = rtnl_notify(skb, net, 0, RTNLGRP_LINK, NULL, GFP_KERNEL);
errout:
  if (err < 0)
- rtnl_set_sk_err(init_net(), RTNLGRP_LINK, err);
+ rtnl_set_sk_err(net, RTNLGRP_LINK, err);
}

/* Protected by RTNL semaphore. */
@@ -862,9 +850,6 @@ static int rtnetlink_event(struct notifier_block *this, unsigned long event, voi
{
  struct net_device *dev = ptr;

- if (!net_eq(dev->nd_net, init_net()))
- return NOTIFY_DONE;
-
  switch (event) {
  case NETDEV_UNREGISTER:
    rtmsg_ifinfo(RTM_DELLINK, dev, ~0U);
--

```

1.4.4.1.g278f

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