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Subject: [PATCH net-2.6.25 16/19] [NETNS] Correctly fill fib\_config data.  
Posted by [den](#) on Wed, 09 Jan 2008 17:59:22 GMT

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Acked-by: Benjamin Thery <benjamin.thery@bull.net>

Acked-by: Daniel Lezcano <dlezcano@fr.ibm.com>

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

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net/ipv4/fib\_frontend.c | 27 ++++++-----

1 files changed, 14 insertions(+), 13 deletions(-)

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diff --git a/net/ipv4/fib_frontend.c b/net/ipv4/fib_frontend.c
index abe9f43..cecb660 100644
--- a/net/ipv4/fib_frontend.c
+++ b/net/ipv4/fib_frontend.c
@@ -305,14 +305,14 @@ static int put_rtax(struct nla_attr *mx, int len, int type, u32 value)
    return len + nla_total_size(4);
}

-static int rtentry_to_fib_config(int cmd, struct rtentry *rt,
+static int rtentry_to_fib_config(struct net *net, int cmd, struct rtentry *rt,
    struct fib_config *cfg)
{
    __be32 addr;
    int plen;

    memset(cfg, 0, sizeof(*cfg));
- cfg->fc_nlinfo.nl_net = &init_net;
+ cfg->fc_nlinfo.nl_net = net;

    if (rt->rt_dst.sa_family != AF_INET)
        return -EAFNOSUPPORT;
@@ -373,7 +373,7 @@ static int rtentry_to_fib_config(int cmd, struct rtentry *rt,
    colon = strchr(devname, ':');
    if (colon)
        *colon = 0;
- dev = __dev_get_by_name(&init_net, devname);
+ dev = __dev_get_by_name(net, devname);
    if (!dev)
        return -ENODEV;
    cfg->fc_oif = dev->ifindex;
@@ -396,7 +396,7 @@ static int rtentry_to_fib_config(int cmd, struct rtentry *rt,
    if (rt->rt_gateway.sa_family == AF_INET && addr) {
        cfg->fc_gw = addr;
        if (rt->rt_flags & RTF_GATEWAY &&
-         inet_addr_type(&init_net, addr) == RTN_UNICAST)
+         inet_addr_type(net, addr) == RTN_UNICAST)
            cfg->fc_scope = RT_SCOPE_UNIVERSE;
```

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}

@@ -453,7 +453,7 @@ int ip_rt_ioctl(unsigned int cmd, void __user *arg)
    return -EFAULT;

    rtnl_lock();
- err = rtentry_to_fib_config(cmd, &rt, &cfg);
+ err = rtentry_to_fib_config(&init_net, cmd, &rt, &cfg);
    if (err == 0) {
        struct fib_table *tb;

@@ -494,8 +494,8 @@ const struct nla_policy rtm_ipv4_policy[RTA_MAX+1] = {
 [RTA_FLOW] = { .type = NLA_U32 },
};

-static int rtm_to_fib_config(struct sk_buff *skb, struct nlmsghdr *nlh,
-    struct fib_config *cfg)
+static int rtm_to_fib_config(struct net *net, struct sk_buff *skb,
+    struct nlmsghdr *nlh, struct fib_config *cfg)
{
    struct nlattr *attr;
    int err, remaining;
@@ -519,7 +519,7 @@ static int rtm_to_fib_config(struct sk_buff *skb, struct nlmsghdr *nlh,
    cfg->fc_nlinfo.pid = NETLINK_CB(skb).pid;
    cfg->fc_nlinfo.nlh = nlh;
- cfg->fc_nlinfo.nl_net = &init_net;
+ cfg->fc_nlinfo.nl_net = net;

    if (cfg->fc_type > RTN_MAX) {
        err = -EINVAL;
@@ -575,7 +575,7 @@ static int inet_rtm_delroute(struct sk_buff *skb, struct nlmsghdr* nlh, void
 *ar
    if (net != &init_net)
        return -EINVAL;

- err = rtm_to_fib_config(skb, nlh, &cfg);
+ err = rtm_to_fib_config(net, skb, nlh, &cfg);
    if (err < 0)
        goto errout;

@@ -600,7 +600,7 @@ static int inet_rtm_newroute(struct sk_buff *skb, struct nlmsghdr* nlh,
void *ar
    if (net != &init_net)
        return -EINVAL;

- err = rtm_to_fib_config(skb, nlh, &cfg);
+ err = rtm_to_fib_config(net, skb, nlh, &cfg);

```

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if (err < 0)
    goto errout;

@@ -667,6 +667,7 @@ out:

static void fib_magic(int cmd, int type, __be32 dst, int dst_len, struct in_ifaddr *ifa)
{
+ struct net *net = ifa->ifa_dev->dev->nd_net;
    struct fib_table *tb;
    struct fib_config cfg = {
        .fc_protocol = RTPROT_KERNEL,
@@ -677,14 +678,14 @@ static void fib_magic(int cmd, int type, __be32 dst, int dst_len, struct
in_ifad
        .fc_oif = ifa->ifa_dev->dev->ifindex,
        .fc_nlflags = NLM_F_CREATE | NLM_F_APPEND,
        .fc_nlinfo = {
-        .nl_net = &init_net,
+        .nl_net = net,
        },
    };
}

if (type == RTN_UNICAST)
- tb = fib_new_table(&init_net, RT_TABLE_MAIN);
+ tb = fib_new_table(net, RT_TABLE_MAIN);
else
- tb = fib_new_table(&init_net, RT_TABLE_LOCAL);
+ tb = fib_new_table(net, RT_TABLE_LOCAL);

if (tb == NULL)
    return;
--
```

1.5.3.rc5

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