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Subject: [PATCH net-2.6.25 16/19] [NETNS] Correctly fill fib\_config data.

Posted by [den](#) on Wed, 19 Dec 2007 15:24:46 GMT

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---

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

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

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 nlattr *mx, int len, int type, u32 value)
    return len + nla_total_size(4);
}
```

```
-static int rtenry_to_fib_config(int cmd, struct rtenry *rt,
```

```
+static int rtenry_to_fib_config(struct net *net, int cmd, struct rtenry *rt,
    struct fib_config *cfg)
```

```
{
    __be32 addr;
    int plen;
```

```
    memset(cfg, 0, sizeof(*cfg));
```

```
- cfg->fc_nlnfo.nl_net = &init_net;
```

```
+ cfg->fc_nlnfo.nl_net = net;
```

```
if (rt->rt_dst.sa_family != AF_INET)
```

```
    return -EAFNOSUPPORT;
```

```
@@ -373,7 +373,7 @@ static int rtenry_to_fib_config(int cmd, struct rtenry *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 rtenry_to_fib_config(int cmd, struct rtenry *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;
```

```
}
```

```

@@ -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 nlmsg_hdr *nlh,
-    struct fib_config *cfg)
+static int rtm_to_fib_config(struct net *net, struct sk_buff *skb,
+    struct nlmsg_hdr *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 nlmsg_hdr *nlh,

    cfg->fc_nlinfoid.pid = NETLINK_CB(skb).pid;
    cfg->fc_nlinfoid.nlh = nlh;
-   cfg->fc_nlinfoid.nl_net = &init_net;
+   cfg->fc_nlinfoid.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 nlmsg_hdr* 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 nlmsg_hdr* 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;
```

```
@@ -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_nflflags = NLM_F_CREATE | NLM_F_APPEND,
```

```
        .fc_nlninfo = {
```

```
-    .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
```