
Subject: [PATCH 6/12 net-2.6.25] [NETNS]: Add namespace parameter to ip_route_output_slow.

Posted by [den](#) on Tue, 22 Jan 2008 15:59:23 GMT

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This function needs a net namespace to lookup devices, fib tables, etc. in, so pass it there.

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

net/ipv4/route.c | 22 ++++++++-----

1 files changed, 11 insertions(+), 10 deletions(-)

diff --git a/net/ipv4/route.c b/net/ipv4/route.c

index 674575b..c1f9950 100644

--- a/net/ipv4/route.c

+++ b/net/ipv4/route.c

@@ -2248,7 +2248,8 @@ static inline int ip_mkroute_output(struct rtable **rp,
 * Major route resolver routine.
 */

-static int ip_route_output_slow(struct rtable **rp, const struct flowi *oldflp)

+static int ip_route_output_slow(struct net *net, struct rtable **rp,

+ const struct flowi *oldflp)

{
 u32 tos = RT_FL_TOS(oldflp);
 struct flowi fl = { .nl_u = { .ip4_u =

@@ -2260,7 +2261,7 @@ static int ip_route_output_slow(struct rtable **rp, const struct flowi
 *oldflp)

RT_SCOPE_UNIVERSE),
 } },

.mark = oldflp->mark,

- .iif = init_net->loopback_dev->ifindex,

+ .iif = net->loopback_dev->ifindex,

.oif = oldflp->oif };

struct fib_result res;

unsigned flags = 0;

@@ -2282,7 +2283,7 @@ static int ip_route_output_slow(struct rtable **rp, const struct flowi
 *oldflp)

goto out;

/* It is equivalent to inet_addr_type(saddr) == RTN_LOCAL */

- dev_out = ip_dev_find(&init_net, oldflp->fl4_src);

+ dev_out = ip_dev_find(net, oldflp->fl4_src);

if (dev_out == NULL)

goto out;

@@ -2322,7 +2323,7 @@ static int ip_route_output_slow(struct rtable **rp, const struct flowi

*oldflp)

```
    if (oldflp->oif) {
-   dev_out = dev_get_by_index(&init_net, oldflp->oif);
+   dev_out = dev_get_by_index(net, oldflp->oif);
        err = -ENODEV;
        if (dev_out == NULL)
            goto out;
@@ -2356,15 +2357,15 @@ static int ip_route_output_slow(struct rtable **rp, const struct flowi
*oldflp)
    fl.fl4_dst = fl.fl4_src = htonl(INADDR_LOOPBACK);
    if (dev_out)
        dev_put(dev_out);
-   dev_out = init_net.loopback_dev;
+   dev_out = net->loopback_dev;
    dev_hold(dev_out);
-   fl.oif = init_net.loopback_dev->ifindex;
+   fl.oif = net->loopback_dev->ifindex;
    res.type = RTN_LOCAL;
    flags |= RTCF_LOCAL;
    goto make_route;
}

- if (fib_lookup(&init_net, &fl, &res)) {
+ if (fib_lookup(net, &fl, &res)) {
    res.fi = NULL;
    if (oldflp->oif) {
        /* Apparently, routing tables are wrong. Assume,
@@ -2403,7 +2404,7 @@ static int ip_route_output_slow(struct rtable **rp, const struct flowi
*oldflp)
        fl.fl4_src = fl.fl4_dst;
        if (dev_out)
            dev_put(dev_out);
-   dev_out = init_net.loopback_dev;
+   dev_out = net->loopback_dev;
    dev_hold(dev_out);
    fl.oif = dev_out->ifindex;
    if (res.fi)
@@ -2419,7 +2420,7 @@ static int ip_route_output_slow(struct rtable **rp, const struct flowi
*oldflp)
        else
    #endif
        if (!res.prefixlen && res.type == RTN_UNICAST && !fl.oif)
-   fib_select_default(&init_net, &fl, &res);
+   fib_select_default(net, &fl, &res);

    if (!fl.fl4_src)
```

```
    fl.fl4_src = FIB_RES_PREFSRC(res);
@@ -2469,7 +2469,7 @@ int __ip_route_output_key(struct rtable **rp, const struct flowi *flp)
}
    rcu_read_unlock_bh();

- return ip_route_output_slow(rp, flp);
+ return ip_route_output_slow(&init_net, rp, flp);
}

EXPORT_SYMBOL_GPL(__ip_route_output_key);
--
1.5.3.rc5
```
