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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.

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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

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