Subject: [PATCH 2.6.25] [IPV6] Always pass a valid nl_info to inet6_rt_notify.
Posted by den on Thu, 13 Dec 2007 13:57:47 GMT
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[IPV6] Always pass a valid nl_info to inet6_rt_notify.

This makes the code in the inet6_rt_notify more straightforward and provides
groud for namespace passing.

Signed-off-by: Denis V. Lunev <den@openvz.org>
---
 net/ipv6/ip6_fib.c | 3 ++-
 net/ipv6/route.c | 27 +++++++++++++++++----------
 2 files changed, 15 insertions(+), 15 deletions(-)

```
diff --git a/net/ipv6/ip6_fib.c b/net/ipv6/ip6_fib.c
index 5fae045..df05c6f 100644
--- a/net/ipv6/ip6_fib.c
+++ b/net/ipv6/ip6_fib.c
@@ -1315,6 +1315,7 @@ static int fib6_walk(struct fib6_walker_t *w)

 static int fib6_clean_node(struct fib6_walker_t *w)
 {
+ struct nl_info info = {};
  int res;
  struct rt6_info *rt;
  struct fib6_cleaner_t *c = container_of(w, struct fib6_cleaner_t, w);
@@ -1323,7 +1324,7 @@ static int fib6_clean_node(struct fib6_walker_t *w)
   res = c->func(rt, c->arg);
   if (res < 0) {
    w->leaf = rt;
-   res = fib6_del(rt, NULL);
+   res = fib6_del(rt, &info);
    if (res) {
 #if RT6_DEBUG >= 2
     printk(KERN_DEBUG "fib6_clean_node: del failed: rt=%p@%p err=%d\n", rt, rt->rt6i_node,
res);
diff --git a/net/ipv6/route.c b/net/ipv6/route.c
index 1530934..02354a7 100644
--- a/net/ipv6/route.c
+++ b/net/ipv6/route.c
@@ -604,7 +604,8 @@ static int __ip6_ins_rt(struct rt6_info *rt, struct nl_info *info)

 int ip6_ins_rt(struct rt6_info *rt)
 {
- return __ip6_ins_rt(rt, NULL);
+ struct nl_info info = {};
+ return __ip6_ins_rt(rt, &info);
```

```
 }

 static struct rt6_info *rt6_alloc_cow(struct rt6_info *ort, struct in6_addr *daddr,
@@ -1261,7 +1262,8 @@ static int __ip6_del_rt(struct rt6_info *rt, struct nl_info *info)

 int ip6_del_rt(struct rt6_info *rt)
 {
- return __ip6_del_rt(rt, NULL);
+ struct nl_info info = {};
+ return __ip6_del_rt(rt, &info);
 }

 static int ip6_route_del(struct fib6_config *cfg)
@@ -2238,29 +2240,26 @@ errout:
 void inet6_rt_notify(int event, struct rt6_info *rt, struct nl_info *info)
 {
  struct sk_buff *skb;
- u32 pid = 0, seq = 0;
- struct nlmsghdr *nlh = NULL;
- int err = -ENOBUFS;
-
- if (info) {
-  pid = info->pid;
-  nlh = info->nlh;
-  if (nlh)
-   seq = nlh->nlmsg_seq;
- }
+ u32 seq;
+ int err;
+
+ err = -ENOBUFS;
+ seq = info->nlh != NULL ? info->nlh->nlmsg_seq : 0;

  skb = nlmsg_new(rt6_nlmsg_size(), gfp_any());
  if (skb == NULL)
   goto errout;

- err = rt6_fill_node(skb, rt, NULL, NULL, 0, event, pid, seq, 0, 0);
+ err = rt6_fill_node(skb, rt, NULL, NULL, 0,
+     event, info->pid, seq, 0, 0);
  if (err < 0) {
   /* -EMSGSIZE implies BUG in rt6_nlmsg_size() */
   WARN_ON(err == -EMSGSIZE);
   kfree_skb(skb);
   goto errout;
  }
- err = rtnl_notify(skb, &init_net, pid, RTNLGRP_IPV6_ROUTE, nlh, gfp_any());
+ err = rtnl_notify(skb, &init_net, info->pid,
```

```
+    RTNLGRP_IPV6_ROUTE, info->nlh, gfp_any());
 errout:
  if (err < 0)
   rtnl_set_sk_err(&init_net, RTNLGRP_IPV6_ROUTE, err);
--
1.5.3.rc5
```

Subject: Re: [PATCH 2.6.25] [IPV6] Always pass a valid nl_info to inet6_rt_notify.
Posted by davem on Thu, 13 Dec 2007 17:45:35 GMT
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From: "Denis V. Lunev" <den@openvz.org>
Date: Thu, 13 Dec 2007 16:58:54 +0300

> [IPV6] Always pass a valid nl_info to inet6_rt_notify.
>
> This makes the code in the inet6_rt_notify more straightforward and provides
> groud for namespace passing.
>
> Signed-off-by: Denis V. Lunev <den@openvz.org>

Applied, thanks!
