
Subject: [patch 08/38][IPv6] inet6_addr - remove ipv6_get_ifaddr wrapper

Posted by [Daniel Lezcano](#) on Mon, 03 Dec 2007 16:16:44 GMT

[View Forum Message](#) <> [Reply to Message](#)

The previous patch introduced a new parameter to the `ipv6_get_ifaddr` function and made a wrapper around it in order to reduce the impact of the patch and to facilitate code review.

This patch removes the wrapper and propagate the function change to all callers.

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

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

```
include/net/addrconf.h | 15 ++++-----
net/ipv6/addrconf.c    | 10 +++++-----
net/ipv6/ip6_output.c  |  3 +-
net/ipv6/ndisc.c       |  9 +++++----
4 files changed, 16 insertions(+), 21 deletions(-)
```

Index: linux-2.6-netns/include/net/addrconf.h

=====

--- linux-2.6-netns.orig/include/net/addrconf.h

+++ linux-2.6-netns/include/net/addrconf.h

```
@@ -66,17 +66,10 @@ extern int  ipv6_chk_addr(struct net *n
#ifdef CONFIG_IPV6_MIP6 || defined(CONFIG_IPV6_MIP6_MODULE)
extern int  ipv6_chk_home_addr(struct in6_addr *addr);
#endif
```

```
-extern struct inet6_ifaddr  *__ipv6_get_ifaddr(struct net *net,
- struct in6_addr *addr,
- struct net_device *dev,
- int strict);
-
```

```
-static inline struct inet6_ifaddr *ipv6_get_ifaddr(struct in6_addr *addr,
- struct net_device *dev,
- int strict)
```

```
-{
- return __ipv6_get_ifaddr(&init_net, addr, dev, strict);
-}
```

```
+extern struct inet6_ifaddr  *ipv6_get_ifaddr(struct net *net,
+ struct in6_addr *addr,
+ struct net_device *dev,
+ int strict);
```

```
extern int  ipv6_get_saddr(struct dst_entry *dst,
                          struct in6_addr *daddr,
```

Index: linux-2.6-netns/net/ipv6/addrconf.c

=====

```

--- linux-2.6-netns.orig/net/ipv6/addrconf.c
+++ linux-2.6-netns/net/ipv6/addrconf.c
@@ -1223,8 +1223,8 @@ int ipv6_chk_same_addr(struct net *net,
    return ifp != NULL;
}

-struct inet6_ifaddr * __ipv6_get_ifaddr(struct net *net, struct in6_addr *addr,
-    struct net_device *dev, int strict)
+struct inet6_ifaddr *ipv6_get_ifaddr(struct net *net, struct in6_addr *addr,
+    struct net_device *dev, int strict)
{
    struct inet6_ifaddr * ifp;
    u8 hash = ipv6_addr_hash(addr);
@@ -1715,7 +1715,7 @@ void addrconf_prefix_rcv(struct net_devi

```

ok:

```

- ifp = ipv6_get_ifaddr(&addr, dev, 1);
+ ifp = ipv6_get_ifaddr(dev->nd_net, &addr, dev, 1);

    if (ifp == NULL && valid_lft) {
        int max_addresses = in6_dev->cnf.max_addresses;
@@ -3103,7 +3103,7 @@ inet6_rtm_newaddr(struct sk_buff *skb, s
    /* We ignore other flags so far. */
    ifa_flags = ifm->ifa_flags & (IFA_F_NODAD | IFA_F_HOMEADDRESS);

- ifa = ipv6_get_ifaddr(pfx, dev, 1);
+ ifa = ipv6_get_ifaddr(net, pfx, dev, 1);
    if (ifa == NULL) {
        /*
         * It would be best to check for !NLM_F_CREATE here but
@@ -3410,7 +3410,7 @@ static int inet6_rtm_getaddr(struct sk_b
    if (ifm->ifa_index)
        dev = __dev_get_by_index(&init_net, ifm->ifa_index);

- if ((ifa = ipv6_get_ifaddr(addr, dev, 1)) == NULL) {
+ if ((ifa = ipv6_get_ifaddr(net, addr, dev, 1)) == NULL) {
    err = -EADDRNOTAVAIL;
    goto errout;
}

```

Index: linux-2.6-netns/net/ipv6/ip6_output.c

```

=====
--- linux-2.6-netns.orig/net/ipv6/ip6_output.c
+++ linux-2.6-netns/net/ipv6/ip6_output.c
@@ -936,7 +936,8 @@ static int ip6_dst_lookup_tail(struct so
    struct flowi fl_gw;
    int redirect;

```

```

- ifp = ipv6_get_ifaddr(&fl->fl6_src, (*dst)->dev, 1);
+ ifp = ipv6_get_ifaddr(&init_net, &fl->fl6_src,
+     (*dst)->dev, 1);

    redirect = (ifp && ifp->flags & IFA_F_OPTIMISTIC);
    if (ifp)
Index: linux-2.6-netns/net/ipv6/ndisc.c
=====
--- linux-2.6-netns.orig/net/ipv6/ndisc.c
+++ linux-2.6-netns/net/ipv6/ndisc.c
@@ -557,7 +557,7 @@ static void ndisc_send_na(struct net_dev
};

/* for anycast or proxy, solicited_addr != src_addr */
- ifp = ipv6_get_ifaddr(solicited_addr, dev, 1);
+ ifp = ipv6_get_ifaddr(&init_net, solicited_addr, dev, 1);
if (ifp) {
    src_addr = solicited_addr;
    if (ifp->flags & IFA_F_OPTIMISTIC)
@@ -617,7 +617,8 @@ void ndisc_send_rs(struct net_device *de
    * suppress the inclusion of the sllao.
    */
    if (send_sllao) {
- struct inet6_ifaddr *ifp = ipv6_get_ifaddr(saddr, dev, 1);
+ struct inet6_ifaddr *ifp = ipv6_get_ifaddr(&init_net, saddr,
+     dev, 1);
    if (ifp) {
        if (ifp->flags & IFA_F_OPTIMISTIC) {
            send_sllao = 0;
@@ -742,7 +743,7 @@ static void ndisc_rcv_ns(struct sk_buff

    inc = ipv6_addr_is_multicast(daddr);

- if ((ifp = ipv6_get_ifaddr(&msg->target, dev, 1)) != NULL) {
+ if ((ifp = ipv6_get_ifaddr(&init_net, &msg->target, dev, 1)) != NULL) {

    if (ifp->flags & (IFA_F_TENTATIVE|IFA_F_OPTIMISTIC)) {
        if (dad) {
@@ -900,7 +901,7 @@ static void ndisc_rcv_na(struct sk_buff
    return;
}
}
- if ((ifp = ipv6_get_ifaddr(&msg->target, dev, 1))) {
+ if ((ifp = ipv6_get_ifaddr(&init_net, &msg->target, dev, 1))) {
    if (ifp->flags & IFA_F_TENTATIVE) {
        addrconf_dad_failure(ifp);
        return;

```

--

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
