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Subject: [patch 09/38][IPV6] inet6\_addr - make ipv6\_chk\_home\_addr namespace aware

Posted by [Daniel Lezcano](#) on Mon, 03 Dec 2007 16:16:45 GMT

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Looks if the address is belonging to the network namespace, otherwise discard the address for the check.

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```
include/net/addrconf.h | 3 +-
net/ipv6/addrconf.c    | 4 +++-
net/ipv6/exthdrs.c     | 2 +-
3 files changed, 6 insertions(+), 3 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
@@ -64,7 +64,8 @@ extern int ipv6_chk_addr(struct net *n
     int strict);
```

```
#if defined(CONFIG_IPV6_MIP6) || defined(CONFIG_IPV6_MIP6_MODULE)
-extern int ipv6_chk_home_addr(struct in6_addr *addr);
+extern int ipv6_chk_home_addr(struct net *net,
+    struct in6_addr *addr);
#endif
extern struct inet6_ifaddr *ipv6_get_ifaddr(struct net *net,
    struct in6_addr *addr,
```

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
@@ -2848,13 +2848,15 @@ void if6_proc_exit(void)

#if defined(CONFIG_IPV6_MIP6) || defined(CONFIG_IPV6_MIP6_MODULE)
/* Check if address is a home address configured on any interface. */
-int ipv6_chk_home_addr(struct in6_addr *addr)
+int ipv6_chk_home_addr(struct net *net, struct in6_addr *addr)
{
    int ret = 0;
    struct inet6_ifaddr * ifp;
    u8 hash = ipv6_addr_hash(addr);
    read_lock_bh(&addrconf_hash_lock);
    for (ifp = inet6_addr_lst[hash]; ifp; ifp = ifp->lst_next) {
+ if (ifp->idev->dev->nd_net != net)
+ continue;
```

```
if (ipv6_addr_cmp(&ifp->addr, addr) == 0 &&
    (ifp->flags & IFA_F_HOMEADDRESS)) {
    ret = 1;
}
```

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

```
=====
--- linux-2.6-netns.orig/net/ipv6/exthdrs.c
+++ linux-2.6-netns/net/ipv6/exthdrs.c
@@ -467,7 +467,7 @@ looped_back:
     kfree_skb(skb);
     return -1;
 }
- if (!ipv6_chk_home_addr(addr)) {
+ if (!ipv6_chk_home_addr(&init_net, addr)) {
     IP6_INC_STATS_BH(ip6_dst_idev(skb->dst),
                     IPSTATS_MIB_INADDRERRORS);
     kfree_skb(skb);
}
```

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