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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