Subject: [patch 06/38][IPV6] inet6_addr - ipv6_chk_same_addr namespace aware
Posted by Daniel Lezcano on Mon, 03 Dec 2007 16:16:42 GMT
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This patch makes ipv6_chk_same_addr function to be aware of the network
namespace. The addresses not belonging to the network namespace are
discarded.

Signed-off-by: Daniel Lezcano <dlezcano@fr.ibm.com>
Signed-off-by: Benjamin Thery <benjamin.thery@bull.net>
---
 net/ipv6/addrconf.c |   10 +++++++---
 1 file changed, 7 insertions(+), 3 deletions(-)

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
@@ -141,7 +141,8 @@ static void ipv6_ifa_notify(int event, s

 static void inet6_prefix_notify(int event, struct inet6_dev *idev,
     struct prefix_info *pinfo);
-static int ipv6_chk_same_addr(const struct in6_addr *addr, struct net_device *dev);
+static int ipv6_chk_same_addr(struct net *net, const struct in6_addr *addr,
+         struct net_device *dev);

 static ATOMIC_NOTIFIER_HEAD(inet6addr_chain);

@@ -535,7 +536,7 @@ ipv6_add_addr(struct inet6_dev *idev, co
  write_lock(&addrconf_hash_lock);

  /* Ignore adding duplicate addresses on an interface */
- if (ipv6_chk_same_addr(addr, idev->dev)) {
+ if (ipv6_chk_same_addr(idev->dev->nd_net, addr, idev->dev)) {
   ADBG(("ipv6_add_addr: already assigned\n"));
   err = -EEXIST;
   goto out;
@@ -1205,12 +1206,15 @@ int ipv6_chk_addr(struct net *net, struc
 EXPORT_SYMBOL(ipv6_chk_addr);

 static
-int ipv6_chk_same_addr(const struct in6_addr *addr, struct net_device *dev)
+int ipv6_chk_same_addr(struct net *net, const struct in6_addr *addr,
+         struct net_device *dev)
 {
  struct inet6_ifaddr * ifp;
  u8 hash = ipv6_addr_hash(addr);

```
  for(ifp = inet6_addr_lst[hash]; ifp; ifp=ifp->lst_next) {
+  if (ifp->idev->dev->nd_net != net)
+   continue;
   if (ipv6_addr_equal(&ifp->addr, addr)) {
    if (dev == NULL || ifp->idev->dev == dev)
     break;
```

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