
Subject: [PATCH 1/3] [IPV6]: Event type in addrconf_ifdown is mis-used.

Posted by [den](#) on Tue, 18 Mar 2008 14:35:23 GMT

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addrconf_ifdown is broken in respect to the usage of how parameter. This function is called with (event != NETDEV_DOWN) and (2) on the IPv6 stop. In the latter case inet6_dev from loopback device should be destroyed.

Signed-off-by: Denis V. Lunev <den@openvz.org>

net/ipv6/addrconf.c | 10 ++++++--

1 files changed, 5 insertions(+), 5 deletions(-)

```
diff --git a/net/ipv6/addrconf.c b/net/ipv6/addrconf.c
index 4b86d38..d68e8f5 100644
--- a/net/ipv6/addrconf.c
+++ b/net/ipv6/addrconf.c
@@ -2457,7 +2457,7 @@ static int addrconf_ifdown(struct net_device *dev, int how)
 /* Step 1: remove reference to ipv6 device from parent device.
    Do not dev_put!
 */
- if (how == 1) {
+ if (how) {
    idev->dead = 1;

    /* protected by rtnl_lock */
@@ -2489,12 +2489,12 @@ static int addrconf_ifdown(struct net_device *dev, int how)
    write_lock_bh(&idev->lock);

    /* Step 3: clear flags for stateless addrconf */
- if (how != 1)
+ if (!how)
    idev->if_flags &= ~(IF_RS_SENT|IF_RA_RCVD|IF_READY);

    /* Step 4: clear address list */
#ifndef CONFIG_IPV6_PRIVACY
- if (how == 1 && del_timer(&idev->regen_timer))
+ if (how && del_timer(&idev->regen_timer))
    in6_dev_put(idev);

    /* clear tempaddr list */
@@ -2531,7 +2531,7 @@ static int addrconf_ifdown(struct net_device *dev, int how)

    /* Step 5: Discard multicast list */

- if (how == 1)
+ if (how)
    ipv6_mc_destroy_dev(idev);
```

```
else
    ipv6_mc_down(idev);
@@ -2540,7 +2540,7 @@ static int addrconf_ifdown(struct net_device *dev, int how)

 /* Shot the device (if unregistered) */

- if (how == 1) {
+ if (how) {
    addrconf_sysctl_unregister(idev);
    neigh_parms_release(&nd_tbl, idev->nd_parms);
    neigh_ifdown(&nd_tbl, dev);
--
```

1.5.3.rc5

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