
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 */

#ifdef 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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