
Subject: [PATCH 2/6] [IPV4]: Small style cleanup of the error path in rtm_to_ifaddr.
Posted by [den](#) on Thu, 31 Jan 2008 12:00:46 GMT

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Remove error code assignment inside brackets on failure. The code looks better if the error is assigned before condition check. Also, the compiler treats this better.

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

net/ipv4/devinet.c | 21 ++++++++-----
1 files changed, 8 insertions(+), 13 deletions(-)

diff --git a/net/ipv4/devinet.c b/net/ipv4/devinet.c

index 21f71bf..9da4c68 100644

--- a/net/ipv4/devinet.c

+++ b/net/ipv4/devinet.c

```
@@ -492,39 +492,34 @@ static struct in_ifaddr *rtm_to_ifaddr(struct nlmsg_hdr *nlh)
    struct ifaddrmsg *ifm;
    struct net_device *dev;
    struct in_device *in_dev;
-   int err = -EINVAL;
+   int err;
```

```
    err = nlmsg_parse(nlh, sizeof(*ifm), tb, IFA_MAX, ifa_ipv4_policy);
    if (err < 0)
        goto errout;
```

```
    ifm = nlmsg_data(nlh);
```

```
-   if (ifm->ifa_prefixlen > 32 || tb[IFA_LOCAL] == NULL) {
-       err = -EINVAL;
+   err = -EINVAL;
+   if (ifm->ifa_prefixlen > 32 || tb[IFA_LOCAL] == NULL)
+       goto errout;
-   }
```

```
    dev = __dev_get_by_index(&init_net, ifm->ifa_index);
```

```
-   if (dev == NULL) {
-       err = -ENODEV;
+   err = -ENODEV;
+   if (dev == NULL)
+       goto errout;
-   }
```

```
    in_dev = __in_dev_get_rtnl(dev);
```

```
-   if (in_dev == NULL) {
-       err = -ENOBUFS;
+   err = -ENOBUFS;
```

```
+ if (in_dev == NULL)
    goto errout;
- }

    ifa = inet_alloc_ifa();
- if (ifa == NULL) {
+ if (ifa == NULL)
    /*
     * A potential indev allocation can be left alive, it stays
     * assigned to its device and is destroy with it.
     */
- err = -ENOBUFS;
    goto errout;
- }

    ipv4_devconf_setall(in_dev);
    in_dev_hold(in_dev);
--
1.5.3.rc5
```
