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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](mailto:den@openvz.org)>

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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 nlmsghdr *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

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