
Subject: [PATCH net-2.6.25 1/2][NEIGH] Cleanup the neigh_sysctl_register
Posted by [Pavel Emelianov](#) on Fri, 30 Nov 2007 17:23:20 GMT

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This mainly removes the err variable, as this call always return the same error code (-ENOBUFS).

Besides, I moved the call to kmalloc() from the *t declaration into the code (this is confusing when a variable is initialized with the result of some call) and removed unneeded comment near the error path.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

```
---
diff --git a/net/core/neighbour.c b/net/core/neighbour.c
index a8b72c1..5dbe26f 100644
--- a/net/core/neighbour.c
+++ b/net/core/neighbour.c
@@ -2652,14 +2652,14 @@ int neigh_sysctl_register(struct net_device *dev, struct neigh_parms
 *p,
     int p_id, int pdev_id, char *p_name,
     proc_handler *handler, ctl_handler *strategy)
 {
- struct neigh_sysctl_table *t = kmemdup(&neigh_sysctl_template,
-     sizeof(*t), GFP_KERNEL);
+ struct neigh_sysctl_table *t;
   const char *dev_name_source = NULL;
   char *dev_name = NULL;
- int err = 0;

+ t = kmemdup(&neigh_sysctl_template, sizeof(*t), GFP_KERNEL);
   if (!t)
- return -ENOBUFS;
+ goto err;
+
   t->neigh_vars[0].data = &p->mcast_probes;
   t->neigh_vars[1].data = &p->ucast_probes;
   t->neigh_vars[2].data = &p->app_probes;
@@ -2717,10 +2717,8 @@ int neigh_sysctl_register(struct net_device *dev, struct neigh_parms
 *p,
 }

   dev_name = kstrdup(dev_name_source, GFP_KERNEL);
- if (!dev_name) {
- err = -ENOBUFS;
+ if (!dev_name)
```

```

    goto free;
- }

    t->neigh_dev[0].procname = dev_name;

@@ -2735,20 +2733,18 @@ int neigh_sysctl_register(struct net_device *dev, struct neigh_parms
*p,
    t->neigh_root_dir[0].child    = t->neigh_proto_dir;

    t->sysctl_header = register_sysctl_table(t->neigh_root_dir);
- if (!t->sysctl_header) {
- err = -ENOBUFS;
+ if (!t->sysctl_header)
    goto free_procname;
- }
+
    p->sysctl_table = t;
    return 0;

- /* error path */
- free_procname:
+free_procname:
    kfree(dev_name);
- free:
+free:
    kfree(t);
-
- return err;
+err:
+ return -ENOBUFS;
}

void neigh_sysctl_unregister(struct neigh_parms *p)
--
1.5.3.4

```
