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Subject: [PATCH net-2.6.25 1/3][IPV4] Cleanup the devinet\_sysctl\_register

Posted by [Pavel Emelianov](#) on Fri, 30 Nov 2007 18:21:00 GMT

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I moved the call to kmallocc() 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. Just like I did with the neigh ctl-s.

Besides, I fixed the goto's and the labels - they were indented with spaces :(

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

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

index 1ae7dcf..34c34c6 100644

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

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

@@ -1507,12 +1507,13 @@ static void devinet\_sysctl\_register(struct in\_device \*in\_dev,

{  
 int i;  
 struct net\_device \*dev = in\_dev ? in\_dev->dev : NULL;

- struct devinet\_sysctl\_table \*t = kmemdup(&devinet\_sysctl, sizeof(\*t),  
- GFP\_KERNEL);

+ struct devinet\_sysctl\_table \*t;  
 char \*dev\_name = NULL;

+ t = kmemdup(&devinet\_sysctl, sizeof(\*t), GFP\_KERNEL);  
 if (!t)

- return;

+ goto out;

+

for (i = 0; i < ARRAY\_SIZE(t->devinet\_vars) - 1; i++) {  
 t->devinet\_vars[i].data += (char \*)p - (char \*)&ipv4\_devconf;  
 t->devinet\_vars[i].extra1 = p;

@@ -1533,7 +1534,7 @@ static void devinet\_sysctl\_register(struct in\_device \*in\_dev,

\*/  
 dev\_name = kstrdup(dev\_name, GFP\_KERNEL);  
 if (!dev\_name)

- goto free;

+ goto free;

t->devinet\_dev[0].procname = dev\_name;  
t->devinet\_dev[0].child = t->devinet\_vars;

@@ -1543,16 +1544,16 @@ static void devinet\_sysctl\_register(struct in\_device \*in\_dev,

```

t->sysctl_header = register_sysctl_table(t->devinet_root_dir);
if (!t->sysctl_header)
- goto free_procname;
+ goto free_procname;

p->sysctl = t;
return;

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

```

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1.5.3.4

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Subject: Re: [PATCH net-2.6.25 1/3][IPV4] Cleanup the devinet\_sysctl\_register  
 Posted by [Herbert Xu](#) on Sat, 01 Dec 2007 13:18:16 GMT  
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On Fri, Nov 30, 2007 at 09:21:00PM +0300, Pavel Emelyanov wrote:

> I moved the call to kcalloc() 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. Just like I did with the neigh ctl-s.

>

> Besides, I fixed the goto's and the labels - they were indented  
 > with spaces :(

>

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

Applied to net-2.6.25. Thanks.

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