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Subject: [PATCH net-2.6.25 2/3]sysctl: prepare core tables to point to netns variables

Posted by [Pavel Emelianov](#) on Fri, 07 Dec 2007 13:10:49 GMT

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Some of ctl variables are going to be on the struct net. Here's the way to adjust the ->data pointer on the ctl\_table-s to point on the right variable.

Since some pointers still point on the global variables, I keep turning the write bits off on such tables.

This looks to become a common procedure for net sysctls, so later parts of this code may migrate to some more generic place.

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

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```
diff --git a/net/core/sysctl_net_core.c b/net/core/sysctl_net_core.c
index 57a7ead..dc4cf7d 100644
--- a/net/core/sysctl_net_core.c
+++ b/net/core/sysctl_net_core.c
@@ -167,8 +167,13 @@ static __net_init int sysctl_core_net_init(struct net *net)
     if (tbl == NULL)
         goto err_dup;

-    for (tmp = tbl; tmp->procname; tmp++)
-        tmp->mode &= ~0222;
+    for (tmp = tbl; tmp->procname; tmp++) {
+        if (tmp->data >= (void *)&init_net &&
+            tmp->data < (void *)&init_net + 1))
+            tmp->data += (char *)net - (char *)&init_net;
+        else
+            tmp->mode &= ~0222;
+    }
}

net->sysctl_core_hdr = register_net_sysctl_table(net,
--
1.5.3.4
```

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Subject: Re: [PATCH net-2.6.25 2/3]sysctl: prepare core tables to point to netns variables

Posted by [davem](#) on Sat, 08 Dec 2007 08:12:05 GMT

From: Pavel Emelyanov <xemul@openvz.org>

Date: Fri, 07 Dec 2007 16:10:49 +0300

> Some of ctl variables are going to be on the struct  
> net. Here's the way to adjust the ->data pointer on the  
> ctl\_table-s to point on the right variable.  
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> I keep turning the write bits off on such tables.  
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> This looks to become a common procedure for net sysctls,  
> so later parts of this code may migrate to some more  
> generic place.  
>  
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Applied, but please see if you can find a more pretty way to  
do this, thanks.

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