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Subject: [PATCH net-next 3/9] ipv4: remove static flush\_delay variable

Posted by [den](#) on Fri, 04 Jul 2008 13:17:06 GMT

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flush\_delay is used as an external storage for net.ipv4.route.flush sysctl entry. It is write-only.

The ctl\_table->data for this entry is used once. Fix this case to point to the stack to remove global variable. Do this to avoid additional variable on struct net in the next patch.

Possible race (as it was before) accessing this local variable is removed using flush\_mutex.

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

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net/ipv4/route.c | 11 +++++++---

1 files changed, 8 insertions(+), 3 deletions(-)

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

index cedc366..790de32 100644

--- a/net/ipv4/route.c

+++ b/net/ipv4/route.c

@@ -2829,14 +2829,20 @@ void ip\_rt\_multicast\_event(struct in\_device \*in\_dev)  
{

#ifdef CONFIG\_SYSCTL

-static int flush\_delay;

-

static int ipv4\_sysctl\_rtcache\_flush(ctl\_table \*ctl, int write,  
struct file \*filp, void \_\_user \*buffer,  
size\_t \*lenp, loff\_t \*ppos)

{  
if (write) {  
+ int flush\_delay;  
+ static DEFINE\_MUTEX(flush\_mutex);  
+  
+ mutex\_lock(&flush\_mutex);  
+ ctl->data = &flush\_delay;  
proc\_dointvec(ctl, write, filp, buffer, lenp, ppos);  
+ ctl->data = NULL;  
+ mutex\_unlock(&flush\_mutex);  
+  
rt\_cache\_flush(&init\_net, flush\_delay);  
return 0;  
}

@@ -2865,7 +2871,6 @@ ctl\_table ipv4\_route\_table[] = {  
{

```
.ctl_name = NET_IPV4_ROUTE_FLUSH,  
.procname = "flush",  
- .data = &flush_delay,  
.maxlen = sizeof(int),  
.mode = 0200,  
.proc_handler = &ipv4_sysctl_rtcache_flush,  
--  
1.5.3.rc5
```

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Containers mailing list  
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