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Subject: [PATCH] Remove /proc/net/stat/\*\_arp\_cache upon module removal  
Posted by [Alexey Dobriyan](#) on Thu, 01 Nov 2007 13:52:35 GMT  
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neigh\_table\_init\_no\_netlink() creates them, but they aren't removed anywhere.

Steps to reproduce:

```
modprobe clip
rmmod clip
cat /proc/net/stat/clip_arp_cache
```

BUG: unable to handle kernel paging request at virtual address f89d7758  
printing eip: c05a99da \*pdpt = 0000000000004001 \*pde = 0000000004408067 \*pte =  
0000000000000000

Oops: 0000 [#1] PREEMPT SMP

Modules linked in: atm af\_packet ipv6 binfmt\_misc sbs sbshc fan dock battery backlight ac  
power\_supply parport loop rtc\_cmos rtc\_core rtc\_lib serio\_raw button k8temp hwmon amd\_rng  
sr\_mod cdrom shpchp pci\_hotplug ehci\_hcd ohci\_hcd uhci\_hcd usbcore

Pid: 2082, comm: cat Not tainted

(2.6.24-rc1-b1d08ac064268d0ae2281e98bf5e82627e0f0c56-bloat #4)

EIP: 0060:[<c05a99da>] EFLAGS: 00210256 CPU: 0

EIP is at neigh\_stat\_seq\_next+0x26/0x3f

EAX: 00000001 EBX: f89d7600 ECX: c587bf40 EDX: 00000000

ESI: 00000000 EDI: 00000001 EBP: 00000400 ESP: c587bf1c

DS: 007b ES: 007b FS: 00d8 GS: 0033 SS: 0068

Process cat (pid: 2082, ti=c587b000 task=c5984e10 task.ti=c587b000)

Stack: c06228cc c5313790 c049e5c0 0804f000 c45a7b00 c53137b0 00000000 00000000

00000082 00000001 00000000 00000000 00000000 ffffffff c58d6780 c049e437

c45a7b00 c04b1f93 c587bfa0 00000400 0804f000 00000400 0804f000 c04b1f2f

Call Trace:

[<c049e5c0>] seq\_read+0x189/0x281

[<c049e437>] seq\_read+0x0/0x281

[<c04b1f93>] proc\_reg\_read+0x64/0x77

[<c04b1f2f>] proc\_reg\_read+0x0/0x77

[<c048907e>] vfs\_read+0x80/0xd1

[<c0489491>] sys\_read+0x41/0x67

[<c04080fa>] sysenter\_past\_esp+0x6b/0xc1

=====

Code: e9 ec 8d 05 00 56 8b 11 53 8b 40 70 8b 58 3c eb 29 0f a3 15 80 91 7b c0 19 c0 85 c0 8d  
42 01 74 17 89 c6 c1 fe 1f 89 01 89 71 04 <8b> 83 58 01 00 00 f7 d0 8b 04 90 eb 09 89 c2 83 fa  
01 7e d2 31

EIP: [<c05a99da>] neigh\_stat\_seq\_next+0x26/0x3f SS:ESP 0068:c587bf1c

Signed-off-by: Alexey Dobriyan <[adobriyan@sw.ru](mailto:adobriyan@sw.ru)>

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net/core/neighbour.c | 2 ++

1 file changed, 2 insertions(+)

--- a/net/core/neighbour.c

+++ b/net/core/neighbour.c

@ @ -1435,6 +1435,8 @ @ int neigh\_table\_clear(struct neigh\_table \*tbl)

    kfree(tbl->phash\_buckets);

    tbl->phash\_buckets = NULL;

+ remove\_proc\_entry(tbl->id, init\_net.proc\_net\_stat);

+

    free\_percpu(tbl->stats);

    tbl->stats = NULL;

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