

Weird behavior with /dev/mem

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2003-10/1590.html>

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Date: 10/31/03

Date: Fri, 31 Oct 2003 17:31:33 -0200

To: Current <current@freebsd.org>, Sam Leffler <sam@freebsd.org>, Poul-Henning Kamp <phk@freebsd.

Weird thing. I updated my system today (October 31), and now I can't list routes from syscons. But I still can list routes from Konsole, on X. Following a suggestion by Genesys, I checked permissions of /dev/mem and netstat and... for some reason, I can't stat /dev/mem under syscons! Here are a couple of typescripts I got:

```
[0] dcs@dcs:/opt/home/dcs$ cat from_konsole
Script started on Fri Oct 31 17:25:04 2003
dcs@dcs:/opt/home/dcs$ ls -ld /dev
dr-xr-xr-x 4 root wheel 512 Oct 31 13:56 /dev
dcs@dcs:/opt/home/dcs$ ls -l /dev/mem
crw-r----- 1 root kmem 2, 0 Oct 31 15:54 /dev/mem
dcs@dcs:/opt/home/dcs$ ls -l /usr/bin/netstat
-r-xr-sr-x 1 root kmem 108664 Oct 31 13:18 /usr/bin/netstat
dcs@dcs:/opt/home/dcs$ netstat -nr
Routing tables
```

Internet:

```
Destination Gateway Flags Refs Use Netif Expire
default 10.0.11.1 UGSc 0 0 fxp0
10/16 link#1 UC 0 0 fxp0
10.0.2.72 00:04:23:2a:13:7b UHLW 0 1 fxp0 881
10.0.11.1 00:10:54:cd:58:40 UHLW 28 0 fxp0 1197
10.0.12.131 00:01:30:26:e0:00 UHLW 0 0 fxp0 1186
10.0.14.20 00:02:55:58:22:0a UHLW 6 39928 fxp0 975
127.0.0.1 127.0.0.1 UH 0 6 lo0
dcs@dcs:/opt/home/dcs$ exit
exit
```

Script done on Fri Oct 31 17:25:20 2003

```
[0] dcs@dcs:/opt/home/dcs$ cat from_syscons
Script started on Fri Oct 31 17:26:01 2003
root@dcs:/root$ ls -ld /dev
dr-xr-xr-x 4 root wheel 512 Oct 31 13:56 /dev
root@dcs:/root$ ls -l /dev/mem
ls: /dev/mem: Permission denied
root@dcs:/root$ ls -l /usr/bin/netstat
```

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```
-r-xr-sr-x 1 root kmem 108664 Oct 31 13:18 /usr/bin/netstat
root@dcs:/root$ netstat -nr
netstat: kvm not available
Routing tables
rt_tables: symbol not in namelist
root@dcs:/root$ exit
exit
```

Script done on Fri Oct 31 17:26:18 2003

```
[0] dcs@dcs:/opt/home/dcs$ which ls
/bin/ls
[0] dcs@dcs:/opt/home/dcs$ type ls
ls is aliased to `ls -G'
[0] dcs@dcs:/opt/home/dcs$ unalias ls
[0] dcs@dcs:/opt/home/dcs$ ls -l /dev/mem
crw-r----- 1 root kmem 2, 0 Oct 31 15:54 /dev/mem
```

I'm CCing phk on the grounds of Mr Devfs, and Sam as I blamed the networking code earlier... :-)

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Ignisecond, n.:

The overlapping moment of time when the hand is locking the car door even as the brain is saying, "my keys are in there!"

-- Rich Hall, "Sniglets"

freebsd-current@freebsd.org mailing list

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