

networking bug?

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-02/msg10065.html>

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Is this desired (but odd) behavior or a bug?

The driver is 3c59x and the kernel is 2.6.13.2 if that is relevant.

eth0 has no information (the driver was just freshly loaded)

```
# ip route show table main dev eth0
# ip route show table local dev eth0
```

Bring it up with an address

```
# ifconfig eth0 1.2.3.4
# ip route show table main dev eth0
1.0.0.0/8 proto kernel scope link src 1.2.3.4
# ip route show table local dev eth0
broadcast 1.0.0.0 proto kernel scope link src 1.2.3.4
local 1.2.3.4 proto kernel scope host src 1.2.3.4
broadcast 1.255.255.255 proto kernel scope link src 1.2.3.4
```

Turn it back off

```
# ifconfig eth0 down
# ping -c 1 1.2.3.4
PING 1.2.3.4 (1.2.3.4) 56(84) bytes of data.
64 bytes from 1.2.3.4: icmp_seq=1 ttl=64 time=0.091 ms
```

--- 1.2.3.4 ping statistics ---

```
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 0.091/0.091/0.091/0.000 ms
```

The address is still pingable

```
# ip route show table main dev eth0
# ip route show table local dev eth0
local 1.2.3.4 proto kernel scope host src 1.2.3.4
```

The routing table entry was left behind.

I've had some great paranoid moments with SSH host-key errors thanks to this quirk.

networking bug?

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Jon

"RISC architecture is gonna change everything." –Kate Libby

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Description: Digital signature