

eth0 does not start during boot, but can be started manually

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2005-09/3943.html>

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To: debian-user@lists.debian.org

this is probably a simple error but I'm stuck.

System: IBM ThinkPad 570E, Debian Sarge, KDE, w/ most current updates (I think). Kernel version 2.4.27-2-386. NB. on this machine, networking is via a plugin PCMCIA card.

After some upgrades:-
(kernel 2.4.27-1-386 to 2.4.27-2-386, but many other package upgrades as well, via aptitude), networking behavior has changed.

Now, networking no longer starts at boot time, but can be started (and runs normally) after system is up (via /etc/init.d/networking start, or via the kde network admin panel). (this behavior is now the same with either kernel version)

Since I can start networking manually, I'm guessing that configurations are correct (see 'interfaces' content below), though I don't understand 2 aspects of the file :-
1) the split 'auto' statement (tried replacing with a single 'auto lo eth0' at top of file, but made no difference
2) the hotplug reference to eth0 (is this related to pcmcia?)

```
polyphony:/etc/network# cat interfaces
-----start of interfaces-----
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

# The loopback network interface
auto lo
```

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```
iface lo inet loopback
```

```
# This is a list of hotpluggable network interfaces.
```

```
# They will be activated automatically by the hotplug subsystem.
```

```
mapping hotplug
```

```
    script grep
```

```
    map eth0
```

```
# The primary network interface
```

```
iface eth0 inet static
```

```
    # dns-* options are implemented by the resolvconf package, if  
installed
```

```
    dns-nameservers 207.217.126.81 207.69.188.85
```

```
    name Ethernet LAN card
```

```
    address 192.168.2.101
```

```
    netmask 255.255.255.0
```

```
    broadcast 192.168.2.255
```

```
    network 192.168.2.0
```

```
    gateway 192.168.2.1
```

```
auto eth0
```

```
-----end of interfaces-----
```

So might it be a runlevel script problem?

I'd much appreciate some help in diagnosing and repairing this.

Thanks!

Richard

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