

Can't get network to work

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2004-11/3813.html>

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To: debian-user@lists.debian.org

Hi all, I'm a complete debian newbie; I decided to delete my slack distro and install deb instead because of all the rave reviews, but the rewards have yet to materialize. Deb is more "hard core" (and therefore presumably better) than slack, as evidenced by how hard it is to set up!

Problem:

On a fresh install of Debian 3.0r3 Woody (2.2.20–idepci kernel) off the .iso from the server, the networking doesn't work. I'm on an AMD Athlon with a 21140–based on–board ethernet chip (lspci and WinXP both say so)

The story:

During installation, it was able to connect to the network just fine and download updates and stuff. Just to make sure, I opened a terminal during install and pinged google. SO I KNOW IT CAN WORK.

HOWEVER, after booting, eth0 is only configured for a 192.168 address, NOT what the dhcp in my dsl modem should be giving it. I run ifup eth0 and I get a series of "SIOCSIFADDR: No such device" errors. Ditto if I run dhclient directly.

Other people have had this problem, and it seems to be an issue with the network (tulip) modules. So I say, "insmod tulip" and I get "Unresolved symbol pci_drv_register"

Again, more research, and I am told to type, "modprobe tulip". Ok, now there is no error. (apparently, insprobe pci_scan and then insprobe tulip does the same thing)

I type, "ifdown eth0" and then "ifup eth0", and nope, still the same SIOCSIFADDR errors.

I added 'alias /dev/eth0 tulip' in the /etc/modutils/aliasas file and then ran update–modules. /etc/modules.conf has this entry. Reboot, and same problems.

During boot, it appears to find the network card just fine (tulip.o comes up, and lspci gives all the details about the card). Also, the

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SIOCSIFADDR messages are repeated there as the dhcp tries to come up. Then during modprobe in boot it says "Can't locate module eth0:0", with a bunch of IO types errors (all-caps).

Is this a kernel problem? Should I go back to nice, warm slackware? Or continue using Win XP, which is the only way I can actually get *anything* to work, including this email?! :) How did the install program know how to get the network card running?

Any help is wonderful,
thanks
michelle

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