

dhclient doesn't respond to DHCP OFFER

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I have a small old machine I'm setting up to route for my cable connection with ool. It has two pcmcia network cards – one connected to the cable modem, the other to the local hub. Both cards work when connected to the hub – i.e. other machines on the lan can connect to them.

But...neither card works when I try to run dhclient on the cable modem. What's weird is that I moved another machine to the cable modem – also redhat 9.0. It worked! dhclient quickly got the address.

On the first machine, I've flushed iptables, blanked out my hosts.deny, and changed hosts.allow to ALL:ALL.

I got ethereal to look at what was happening. Here's a bunch of snips.

Almost all of the traffic was ARP requests from the Cisco router from ool confirming the leases. Note my machine is getting back DHCP OFFER's and DHCP ACK's (43,44,120,121,198,199) [there's no DHCPDISCOVER before the first ACK because ethereal started up a little late.] but dhclient doesn't respond – it just keeps sending DHCPDISCOVER requests.

At the end Xircom, the adapter, asks if anybody's seen the gateway. It then pings away, using the address the other machine (the one that worked) uses. No response.

WTF is happening. ool seems to be doing what it's supposed to. The adapters are working – else how could ethereal see this stuff. The firewall is flushed. Both the good machine and the bad machine are using dhclient – 3.0p12. Both adapters on the bad machine have the same problem. Both machines are using 2.4.22 kernel. The adapters on the bad machine work fine on the LAN.

Any help really appreciated.

sean

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No. Time Source Destination
Protocol Info
1 0.000000 Cisco_e3:81:56 Broadcast ARP
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comp.os.linux.networking: dhclient doesn't respond to DHCP OFFER

Who has 24.44.12.158? Tell 24.44.8.1
2 0.128525 Cisco_e3:81:56 Broadcast ARP
Who has 24.44.10.242? Tell 24.44.8.1
3 0.207890 Cisco_e3:81:56 Broadcast ARP
Who has 67.86.253.152? Tell 67.86.240.1

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43 5.515039 10.122.208.1 255.255.255.255 DHCP
DHCP Offer – Transaction ID 0x1800
44 5.684118 10.122.208.1 255.255.255.255 DHCP
DHCP ACK – Transaction ID 0x1800

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