

Re: arplookup problems

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2005-09/0225.html>

From: Daemon (*daemon_at_foxchat.net*)

Date: 09/27/05

Date: Tue, 27 Sep 2005 03:44:07 -0400

To: freebsd-net@freebsd.org

I'm not sure how to respond to that. I was getting the same errors on older ed0 and rl0 nic cards. I bought the intel cards because I'm using them on a production server and have had zero problems with them.

Dave+Seddon wrote:

> *There seem to be serious issues around this driver. There have been*
> *many posts on this list in the last days particularly, as well as over*
> *the last few months. People seem to be looking at it, and I guess once*
> *we all rush out and by other (e.g. broadcom) NICs intel might try to help.*
> *dave*
>
> *Daemon writes:*
>
>> *I hope this is the correct list to post to, if not, I apologize. I've*
>> *had an ongoing problem with arplookup for some months now and as of yet,*
>> *haven't been able to find anything on the web concerning my particular*
>> *problem. Every 24 hours, almost to the minute, I get the following*
>> *errors;*
>> **Note This proceeds each arplookup failure*
>> *em0: Link is Down*
>> *em0: Link is up 100 Mbps Full Duplex*
>> *Sep 25 01:32:49 thisbox kernel: arplookup 169.0.0.1 failed: host is not*
>> *on local network*
>> *Sep 25 01:33:05 thisbox kernel: arplookup 10.32.240.171 failed: host is*
>> *not on local network*
>> *Sep 26 01:23:37 thisbox kernel: arplookup 169.0.0.1 failed: host is not*
>> *on local network*
>> *Sep 26 01:23:49 thisbox kernel: arplookup 10.32.240.171 failed: host is*
>> *not on local network*
>> *Sep 27 01:23:35 thisbox kernel: arplookup 169.0.0.1 failed: host is not*
>> *on local network*
>> *Sep 27 01:23:48 thisbox kernel: arplookup 10.32.240.171 failed: host is*
>> *not on local network*
>> *When this happens, one by one, each of my (ssh, gaim, irc, etc.)*
>> *connections time out until every connection is dead. I'm using*
>> *RoadRunner Business Class with a static IP on em0 and an internal subnet*
>> *172.16.XXX.XXX on em1. I was getting the errors on two older nics I*

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>> had, so I bought new nics in hopes that would correct the problem. I
>> was running FreeBSD 5.4-Release p7 and switched to FreeBSD 5.4-STABLE
>> about a week ago. I'm running the most current DHCP server, IPFW2, and
>> NATD.
>> I have the following in /etc/sysctl.conf
>> kern.polling.enable=1
>> net.inet.tcp.syncookies=0
>> net.inet.udp.blackhole=1
>> net.inet.tcp.blackhole=2
>> # TCP send and receive spaces
>> net.inet.tcp.sendspace=1048576
>> net.inet.tcp.recvspace=1048576
>> # Socket queue defense against SYN attacks
>> kern.ipc.somaxconn=1024
>> # Redirects
>> net.inet.icmp.drop_redirect=1
>> net.inet.icmp.log_redirect=1
>> net.inet.ip.redirect=0
>> # Subnet
>> net.link.ether.bridge_cfg=em0,em1
>> net.link.ether.bridge.enable=0
>> net.link.ether.bridge.ipfw=0
>> net.link.ether.ipfw=1
>> # ARP cleanup
>> net.link.ether.inet.max_age=1200
>> # Source routing
>> net.inet.ip.sourceroute=0
>> net.inet.ip.accept_sourceroute=0
>> # Broadcast ECHO response
>> net.inet.icmp.bmcastecho=0
>> # Other broadcast probes
>> net.inet.icmp.maskrepl=0
>> net.inet.ip.fw.dyn_ack_lifetime=3600
>> net.inet.ip.fw.dyn_buckets=1024
>> net.inet.ip.fw.one_pass=0
>> I have the following in my kernel conf;
>> # Firewall Stuff
>> options IPFIREWALL_DEFAULT_TO_ACCEPT
>> options IPFIREWALL
>> options IPFIREWALL_FORWARD
>> options IPFIREWALL_FORWARD_EXTENDED
>> options IPFIREWALL_VERBOSE
>> options IPFIREWALL_VERBOSE_LIMIT=10
>> options IPDIVERT
>> options DUMMYNET
>> options BRIDGE
>> options IPSTEALTH
>> options HZ=1000
>> options DEVICE_POLLING
>> It is probably a bad idea to post my /etc/rc.conf ifconfig info here,
>> but since I'm almost positive that in order for someone to help me track

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>> *this down, they're going to want/need to know what is in there, I'll*

>> *wait in hopes of a response first.*

>>

>> *Regards,*

>> *Mark*

>>

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