

Re: Networking Problem

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2004-08/0014.html>

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To: debian-user@lists.debian.org

Jonathan Barnes wrote:

> *Hi, I'm having a very strange networking problem that has my linux
> buddies and I stumped.
>
> I'll draw a basic mud map because it makes it ALOT easier to understand
> my situation as I have two gateways due to shared housing.*

I *_thought_* you might be Australian.

>
> *[Bridged ADSL Modem]
> /
> [Firewall]
> (220.244.217.* , 10.0.1.1, 10.0.0.1)
> / /
> [DMZ] [Workstations] and [my Debian Box]
> (10.0.1.*) (10.0.0.*) (10.0.0.2, 10.1.1.1)
> /
> [my workstation]
> (10.1.1.22)
>
> *Last week my Debian Box had a hard shutdown due to a knocked out
> powercable :(and when I rebooted it could no access the internet,
> other workstations, firewall or DMZ. And neither could my Workstation.
> The
> weird thing is, that all the above mentioned machines, can still contact
> my Debian Box. eg: The Firewall can ping my Debian Box, but my Debian
> Box can't ping the firewall. My Debian Box is hosting some friends
> websites and hosts some email accounts, which all still work. From my
> workstation I can ping my Debian Box and It can ping me, but in order
> for me to get on the net with my workstation, ive had to plug in with
> the rest of the workstations (ie: not go through my Debian Box)
>
> *I have flushed all iptables rules and set policies to ACCEPT so it is
> not a firewall problem. I have tried 4 other NIC's and even put the
> hard drive in another box so it is not a hardware problem. I have also***

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> *tried switching the IP's of eth0 and eth1 around and even set eth0 to
> use DHCP (provided by the Firewall)*
>
> *I cant see anything wrong with my routing table either:*
>
>> *Kernel IP routing table*
>> *Destination Gateway Genmask Flags Metric Ref*
>> *Use Iface*
>> *10.0.0.0 0.0.0.0 255.255.255.0 U 0 0*
>> *0 eth0*
>> *10.0.0.0 0.0.0.0 255.255.255.0 U 0 0*
>> *0 eth1*
>> *0.0.0.0 10.0.0.1 0.0.0.0 UG 0 0*
>> *0 eth0*
>
>
> *It's obviously not extra urgent because people can still access their
> websites and emails from the outside, It's just a pain. I can't even
> do an 'apt-get upgrade' in the hope of overwriting whatever it
> stuffing this up.*

I don't know just that your tools are on Windows: boot Linux (Knoppix is fine) if you can. From there,

tracert x.com

ping -R -c4 x.org

and see where routing breaks.

Also, on Debbie (the Debian box)

sysctl -a | grep ip_

--

Cheers

John

-- spambait

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Tourist pics <http://portgeographe.environmentaldisasters.cds.merseine.nu/>

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