

Re: IP conflict in my network

Source: <http://www.derkeiler.com/Newsgroups/comp.security.firewalls/2006-12/msg00151.html>

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In article <1165374705.291574.32470@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, mailcmw@xxxxxxxx says...

I dont know if i fully agree with the lease running out while the machines are turned off

If a lease was to run out while a pc was turned off and then consequently this lease was given to another computer, the original computer when it is turned on should be requesting a new lease as it knows that its lease has run out

Below is a url to dhcp guide

http://www.tcpipguide.com/free/t_DHCPLeasesLeaseLengthPoliciesandManagement-3.htm

It is still obviously a good idea to work out a good lease time that suits your needs but the dhcp server should handle the machines leases running out while turned off without problems

I would be looking to see that you dont have any pcs or printers or any other devices with static ip addresses and, if you are still having problems i would look at your pool of addresses and see if it is big enough for all your pcs and devices

Also I would check to see that you dont have 2 devices setup for dhcp, ie if you have a broadband modem/router it would most likely be by default setup for dhcp.

There can be weird issues with Windows and DHCP.

I work from home, and use a software VPN to connect to work. At night, I turn off the computer and the router (Linksys BEFSX41, the VPN on it is no longer used) and the modem (Motorola 5120). The router is set up with standard DHCP, using 192.168.3.xxx. The usual .1.xxx and .2.xxx addresses are set up for my backup DSL connection which has it's own modem and router (an identical Linksys BEFX41, but configured differently due to issues trying to communicate with the Siemens 4100 DSL modem). I don't use both simultaneously, but wanted to keep the

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routers separate.

For weeks, I had issues where the computer (running Win2K) would sit at 'Preparing Network connections' for as long as 2–3 minutes. I originally thought this was due to it being part of a corporate domain and trying to look for something.

Also, every once in awhile, my VPN would drop and pop up the VPN login. A clue came when I looked at the VPN log, and saw a note that it had dropped because the IP address had changed to 0.0.0.0. I also realized that this once happened exactly 24 hours after having turned on the computer at an odd time one day. The router is set to a standard 24 hour lease.

I changed the computer to use a fixed IP (outside the DHCP range), and all my problems disappeared. It boots up fast and hasn't dropped the VPN.

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