

Re: How do I fix the problem of 'duplicate IP address' ?

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2005-06/msg01633.html

- *From:* "Peter G" <PeterG@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 25 Jun 2005 00:12:02 -0700
-

Now I understand!

The trouble caused by our sons ... cant we trade them in or something :)

Peter G

"O Noah" wrote:

- > Hello Peter,
- >
- > Just few minutes ago SBC technician came by and tested all of our phone
- > outlets and the line traps and found one phone outlet bad (highly resistive
- > due to rusting but not fully shorted). Our DSL speed supposed to be at
- > 3 Mbps range, but it was running barely 1.2 Mbps. After replacing the
- > phone outlet the DSL is running at 2.5 Mbps now. We are about 1.5 mile
- > away from the phone exchange.
- >
- > Friend of mine is a professor of Electronics Engineering at the local university.
- > He helped the way our network is set up. Apparanly he does not trust the
- > 'Wireless' systems, neither do we.
- >
- > Yes, the 'wireless' router does have DHCP running and the Gateway PC is also
- > acting as a DHCP server thru hard wired lines. It is serving the rest of our PCs
- > thru phonline network. (Yes we do run Zone Alarm, AVG, Norton AntiVirus,
- > Ad-Aware, SpyBot Spy Blocker and Microsoft AntiSpyware on each PC).
- >
- > The reason for setting a double network at home is this – we have a grown up
- > kid who needs to be on a different network with his friends and their Laptops.
- > As soon as they come to visit us, at our home, they should not have facilities to
- > view and transfer files form our PCs to their Laptops. I am sure one of these
- > days they will find a way thru VPN or something else. But until then we are
- > 'secure'. You are absolutely right, we want keep the wireless access outside
- > the control of the gateway PC and the home network. We transfer files thru
- > USB ports of the Laptops and PCs which is coupled temporarily.
- >
- > Thank you so much.

Re: How do I fix the problem of 'duplicate IP address' ?

>
> O Noah
>
> |"Peter G" <PeterG@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
> |news:A7BFE688-3179-4571-9918-BCADBF5E69B1@xxxxxxxxxxxxxxxxxxxx
> | I am glad it is working again but John is correct that your network topology
> | is unorthodox. You actually appear to have two separate networks running
> | side-by-side. Your wireless router must have DHCP running and is issuing IP
> | addresses to any wireless PCs, and likewise your Gateway PC is acting as a
> | DHCP server and is issuing IPs to any PCs linked through it. Unless you set
> | this up carefully to prevent overlap of the IP addresses issued you can have
> | the situation where both DHCP servers issue the same IP address to two
> | different PCs. If the network doesnt change much it will hang together once
> | different IPs are given but it may fall over again with any change to the IP
> | assignment.
> |
> | This how I have set up my mini-network:
> |
> | ADSL modem -> router (192.168.1.1 range) -> "gateway" SBServer 2003
> | (192.168.0.1 range for LAN clients, 192.168.1.2 on router side)->switch/hub->
> | wireless AP with distinct IP and all other PCs (192.168.0.1 range)
> |
> | This way the PCs and the wireless AP all take advantage of the servers
> | gateway firewall as well as the NAT offered by the router (as well as a
> | software firewall).
> | If I want non-authenticated access to the internet (customer PCs) I plug in
> | directly to the router
> |
> | In your case you could substitute the router for your wireless router
> | (wireless access would be outside the control of the gateway PC)
> |
> | Peter G
> |
> |
> |
> | "O Noah" wrote:
> |
> | > Thank you for the excellent suggestions. You are absolutely right,
> | > about the static IP address, but I am used to it, and have tripple
> | > set of protections, such as firewall and other stuff for each PC &
> | > the Laptop. We had this setup since later part of 1999, and still
> | > working OK. Trouble started just days ago.
> | >
> | > Well, so far all I did is, reload software for the D-Link DWL-650
> | > Cardbus Adapter for my Laptop, and it is working OK now !
> | > Thanks again for your comments.
> | >
> | > "John R Weiss" <jrweiss98155(at)[NOSPAM].comcast(dot).net> wrote in message
> | > |news:eR4A1n5dFHA.3712@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
> | > | "O Noah" <o_noah@xxxxxxxxxxxx> wrote...
> | > | > Explanation :-

Re: How do I fix the problem of 'duplicate IP address' ?

> |> |> I have a DSL modem (SpeedStream), and its output RJ-45 is
> |> |> plugged into a Ethernet switch (D-link DSS-5+, 10/100 Mbits).
> |> |> From the Ethernet Switch first output is plugged into my
> |> |> 'gateway' PC, and the second output is plugged into a Wireless
> |> |> Router (D-link DI-524). The 'gateway' PC is the local server
> |> |> for the rest of my home PCs. I keep the Wireless Router on
> |> |> all the time, to connect the Wireless once in a while, through a
> |> |> D-Link Wireless Cardbus Adapter (DWL-650) for my Laptop.
> |> |
> |> | You should have the DSL modem connected to the router, then everything else
> |> | downstream of that. If the router is wireless only (a Wireless Access Point
> |> | instead of a Wired/Wireless router) replace it with a proper router.
> |> |
> |> |
> |> |> Since this was the easiest way to keep snoopers out of the
> |> |> home network, for sometime all was working well.
> |> |>
> |> |> Nope. Your wired segment is unprotected. It may work, but is very vulnerable,
> |> |> especially if your DSL connection is via a static IP address.
> |> |>
> |> |>
> |> |> Problem :-
> |> |> Now when I turn on the Laptop, the common 'gateway' server
> |> |> complains that it cannot serve a duplicate IP address, which is
> |> |> (198.168.0.100), and the Internet stops on all PCs and the
> |> |> Laptop.
> |> |>
> |> |> The DHCP server in your router may be serving an address that you also are using
> |> |> in your wired segment.
> |> |>
> |> |>
> |> |> The local file transfer works. The IP address happens to be the
> |> |> Laptop's IP address, created by the Cardbus Adapter within
> |> |> the Laptop. The remaining PCs are using different IP addresses
> |> |> and the number of the 'gateway' is (198.168.0.1) as usual.
> |> |> Gateway also has a regular IP for the DSLs address.
> |> |>
> |> |> I wonder why does the 'gateway' pc sometime complains about
> |> |> the duplicate IP address but as soon as I turn off the Laptop,
> |> |> it quits complaining.
> |> |>
> |> |> How is your "gateway" computer serving the rest of your wired network?
> |> |>
> |> |>
> |> |> Help :-
> |> |> Is there a way to re-allocate the IP address on the Laptop,
> |> |> if so, do I need to remove and then re-load the CardBus
> |> |> Adapter Software, or there is an easy way to do this?
> |> |>
> |> |> Any suggestion will be highly appreciated.
> |> |>

