

# Re: Cable and Router AARGH!!!!

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2006-07/msg00233.html>

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- *From:* CJT <[abujlehc@xxxxxxxxxxx](mailto:abujlehc@xxxxxxxxxxx)>
  - *Date:* Fri, 14 Jul 2006 01:31:12 GMT
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Candace Sparks wrote:

The problem is fixed. The router needed to have a firmware upgrade.

Ahhh ... Linksys!

"Mike Lowery" <[selfspam@xxxxxxxxxxxxxxxx](mailto:selfspam@xxxxxxxxxxxxxxxx)> wrote in message [news:Oqf1yjppGHA.4196@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:Oqf1yjppGHA.4196@xxxxxxxxxxxxxxxxxxxxxxxx)

Normally the DHCP server is running on the router, not from another device on your network (Win2003 in this case.) And you never want two DHCP servers running on the same LAN.

You can verify whether it's a DNS issue by using IP addresses instead of domain names. For example, instead of using "ping www.google.com" use "ping 216.239.37.104". If you get a response from the latter but not the prior then it's a DNS issue. Otherwise it's a routing/connection issue.

You can also try to ping your static Internet IP address from an outside client (one of us could try.) If that doesn't work then your router isn't even visible on the Internet.

"Candace Sparks" <[consultants1@xxxxxxxxxxx](mailto:consultants1@xxxxxxxxxxx)> wrote in message [news:9N6dnfB1fpZnUijZnZ2dnUVZ\\_vmdnZ2d@xxxxxxxxxxxxxxxx](mailto:news:9N6dnfB1fpZnUijZnZ2dnUVZ_vmdnZ2d@xxxxxxxxxxxxxxxx)

We decided to get a static IP address because we have a VPN set up between two locations, and were having problems when the IP address changed.

We are using a static IP address through Qwest and the other location, and have not had any problems.

I did have the fixed IP address in the router. The ISP asked me to set it up to Automatic DHCP and the static IP address

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would be picked up by the router. Either way, the internet cannot be accessed.

The workstations look to the local server for DNS, and get ip addresses from the Server. I have set up networks the same way, and have not had any problems.

The laptop does not have a fixed IP address, it is getting it through DHCP.

"CJT" <abujlehc@xxxxxxxxxxxx> wrote in message  
[news:44B5C48A.8070406@xxxxxxxxxxxx](mailto:news:44B5C48A.8070406@xxxxxxxxxxxx)

CJT wrote:

Candace Sparks wrote:

We are running a windows 2003 server network with a Linksys router and cable modem. A few days ago, the Internet went down, we were able to get it online again, but it dropped again. We decided to get a static ip address from our provider. We have not been able to get

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on the  
Internet  
since. I  
talked with  
Linksys,  
and they  
said it was a  
DNS  
problem  
with the  
provider.  
The  
provider  
thinks it is  
the router. I  
tried  
another  
router with  
the same  
results. I  
can ping the  
static IP  
address and  
teh  
gateway,  
but cannot  
ping the  
ISP's DNS  
servers or  
any ip  
addresses  
on the  
Internet. I  
am very  
frustrated!!!  
The ISP can  
see the  
Cable  
Modem,  
and if I  
connect  
directly to  
the Modem  
with my  
laptop, I am  
able to get  
on the  
Internet. If I  
try to get  
out with my  
laptop

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going  
through  
either  
router, no  
Internet.  
Help!!!!

The server  
is running  
DNS and  
DHCP!

Does  
anyone  
have any  
ideas!

Thank you  
for your  
help in  
advance!!!

Candace  
Sparks

It sounds like you have the  
router(s) set up wrong. You  
probably want  
the router to have the fixed  
address as its WAN address  
(why you decided  
to go with a fixed address is  
beyond me -- it's probably  
not worth  
whatever extra you're  
paying for it unless you  
have a specialized need,  
and if you did, you'd know  
about all this), and then  
provide local  
addresses to the laptop, etc.  
via LAN-side DHCP. You  
also need to  
figure out who is  
responsible for login  
protocols (e.g. the cable  
modem,  
the router, or the laptop) and  
make sure all the devices

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honor that  
decision.

If you've set your laptop to  
the fixed address when the  
router is in  
the tree, that's your problem  
-- you don't understand  
what a router is  
for.

BTW, are you by any chance running ICS?  
And what does your network  
topology look like?

And how are DNS and DHCP configured on  
the W2003 server?

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The e-mail address in our reply-to line is  
reversed in an attempt to  
minimize spam. Our true address is of the  
form che...@xxxxxxxxxxxxx

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The e-mail address in our reply-to line is reversed in an attempt to  
minimize spam. Our true address is of the form che...@xxxxxxxxxxxxx  
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