

# Re: Browsing Subnets

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<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.dns/2006-09/msg00090.html>

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- *From:* nesdog <[nesdog@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:nesdog@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Fri, 15 Sep 2006 11:06:01 -0700
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Thanks for the info. Sorry if I posted it incorrectly.. I knew what I meant to say!

Sheldon

"Herb Martin" wrote:

"nesdog" <[nesdog@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:nesdog@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:297C9649-9D63-4DCA-8148-6C14D58B263F@xxxxxxxxxxxxxxxxxxxx](mailto:news:297C9649-9D63-4DCA-8148-6C14D58B263F@xxxxxxxxxxxxxxxxxxxx)

Hi Herb,

As it happens, we have two DC's on our site, with one providing AD integrated DNS. Another server at the 2nd site also provides the DNS. We set up both addresses in our DHCP scope, first ours then the remote one.

That is a better setup than you original (incorrect) report.

Also you might wish to set ALL DCs to be "GCs" – this is much better for single domains and many SMALL multi-domain forests.

WINS? That would be moving backwards, would it not?

No because you wish Browsing to work and browsing (as well as some other stuff) is still a NetBIOS legacy application.

It seems to me that DNS should be able to offer up the name resolution for this.

Name resolution possibly (although inefficiently for NetBIOS names)

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but not the actual BROWSING.

The "Master Browsers" use NetBIOS, and to find each other across routers (where broadcasts will not work) they need to all be registered with the same WINS "database" (i.e., same server or a replicated set of WINS servers.)

It actually was working okay before so I thought perhaps something got zapped out of the DNS database.

If you cannot BROWSE you have a NetBIOS problem.

If you cannot RESOLVE names to IP addresses you may have either (or both) a WINS or DNS resolution problem.

You cannot expect browsing to work across multiple subnets unless you install and set EVERY computer to use the WINS server(s.)

The machines are not browsing via Network Neighborhood; rather we could open Start, Run, \\machine name\share.

That is not "browsing" but mere name resolution and will work without WINS or NetBIOS if you DNS is setup correctly.

Adding the entry into the hosts files solved this issue temporarily and is manageable as we are small but are kind of a pain to get to everyone.

That explains your misreport in the original post (and subject) since you don't actually have a "Browsing" problem.

Anyway, any other ideas?

Yes: The one from my original answer:

Post your "IPconfig /all" from both a "missing server" and an "affected client". Send command output to a text file and post unedited as TEXT, not graphics.

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Herb Martin, MCSE, MVP  
Accelerated MCSE  
<http://www.LearnQuick.Com>  
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Thanks for your help.

Sheldon

"Herb Martin" wrote:

"nesdog" <nesdog@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote  
in message  
<news:F6A520FB-C741-4C43-8625-FE4A08B15C42@xxxxxxxxxxxxxxxxxxxx>

We have two subnets at our location. Win2K  
AD, two DC's, one with DNS.  
(we  
have another site with DNS, DC's, etc across  
a T-1).

Not related to your problem, but both DCs should run DNS  
or you really don't have full fault tolerance. (It costs almost  
nothing in both setup and network traffic.)

We are suddenly experiencing a situation  
where a computer on one subnet  
cannot browse to shared resources on the  
other subnet via UNC ie;  
\\machine1\share will no longer appear. I  
suspect a DNS problem but  
not  
sure  
how to check this. It all worked fine in the  
past.

Generally BROWSING is a NETBIOS issue to focus your  
troubleshooting on NetBIOS (broadcasts and WINS server).

Since broadcasts don't work across subnets (i.e. across  
routers)  
you have a practical need for WINS server(s).

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In that case (using WINS Server) EVERY COMPUTER (client or server) must be set as a WINS client -- this includes DCs and even WINS servers themselves.

As a work around, I've had to scramble to update some hosts files while I resolve this. A bit of help, please? :)

That would not fix a BROWSING problem -- you would need the more complicated LMHOSTS file for browsing -- so perhaps you have misstated your problem....

Name resolution can take place by either DNS or NetBIOS methods most of the time, but Browsing PER SE is a NetBIOS application.

(BTW: If you have more than one WINS server they need to be replicated.)

Post your "IPconfig /all" from both a "missing server" and an "affected client". Send command output to a text file and post unedited as TEXT, not graphics.

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