

Re: Some theory about name resolution

Source:

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.networking/2006-07/msg00036.html>

- *From:* "Paul Bergson" <pbergson@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 7 Jul 2006 08:16:03 -0500
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The reason you can see other workstations on the same VLAN is because you are on the same subnet and when your machine goes to ping it by name it resolves the address by doing a broadcast on your subnet looking for this name. Since this broadcast only occurs on this subnet there is no way for the local host to find out information beyond this subnet without help. Either a helper server (WINS or DNS) WINS helps with NETBIOS name resolution and DNS with IP –or– you have to define a local static table on your workstation. If you want to define local name to ip addresses for your netbios machine place mappings in the LMHOST table or name to ip in the host table. Both are located at %systemroot%\system32\drivers\etc

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Paul Bergson MCT, MCSE, MCSA, Security+, CNE, CNA, CCA
<http://www.pbbergs.com>

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"misirion" <misirion@xxxxxxxxxxxx> wrote in message
<news:1152217125.762379.159050@xx>

Hello,

I'd like to understand better how the name resolution works. In my company network, we don't use WINS. If I ping a workstation name that is placed in my same VLAN, I can obtain its IP address without it being registered in DNS. But when the workstation isn't in the same VLAN, it isn't possible and I'd like to understand better why. Why does it ping in the first case? It's because of SMB protocol? And how can I obtain the IP address of a ws. placed in a _known_ VLAN, but not mine? Is there a technical way to do it?

Can you suggest me some reference to understand better the argument?

Thanks and regards,

misirion

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