

## Re: Ghosting clients

**Source:**

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.general/2004-11/1790.html>

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**From:** GMA257 (GMA257\_at\_discussions.microsoft.com)

**Date:** 11/23/04

Date: Tue, 23 Nov 2004 03:55:01 -0800

Good IP address information. All parameters from "ipconfig /all" look as they should. The DHCP handed out an IP address a subnet mask and a default gateway. It also handed out a Primary DNS server. There is no WINS server but then there isn't a WINS server configured.

"Mark-Allen Perry" wrote:

- > Cool. Ok, what does the network information look like on the DOS machine under DOS?
- >
- > Are there IP address(es), mask, default gateway, WINS, DNS, etc.?
- >
- > Have you check that the other machine can be reach easily?
- >
- > It's been a long time for DOS but there has to be a simple reason for the bad one way traffic.
- >
- > Keep me informed.
- >
- > --
- > Always try the MS KB first before posting.
- > MS KB: <http://support.microsoft.com/default.aspx?scid=fh;EN-US;KBHOWTO>
- > And the answer could have already been posted, so try searching this and other newsgroups first.
- > -----
- > Mark-Allen Perry
- > ALPHA Systems
- > Marly, Switzerland
- > mark-allen\_AT\_mvps\_DOT\_org
- >
- > "GMA257" <GMA257@discussions.microsoft.com> wrote in message  
news:A71F33A8-028A-4EAF-B05C-A8D7816B0A6A@microsoft.com...
- > I checked the server and also found that the network cards were set to auto.
- > I changed both the internet and intranet card configuration but still no go.
- >
- > "GMA257" wrote:
- >
- >> That was an excelent point that was posted just as I was starting an incident
- >> with Microsoft Tech Support so I called off the incident knowing that I
- >> hadn't configured the card for anything and knowing that Auto mode does

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> > *indeed assume some of the worse settings. Anyway I configured the card for*  
> > *full duplex 100Mb in the protocol.ini file, rebooted the client, and that*  
> > *didn't seem to help. The W2K3 server has the defaults in it for network*  
> > *connectivity so I'm not for certain that it is also full duplex 100Mb. I'll*  
> > *have to check that tonight but I'm not certain that it could be an issue on*  
> > *the server side because the same network connection between the server and*  
> > *the ethernet switch is shared between this DOS client and the other Windows*  
> > *clients which are showing no network throughput problems. Unless the card*  
> > *reconfigures itself between seperate packets of information depending on*  
> > *which client is do the packet transmission.?*  
> >  
> > *"Mark-Allen Perry" wrote:*  
> >  
> > > *Are the network settings under DOS set to the same as under WinZZZZZ?*  
> > >  
> > > *Meaning: network speed, duplex settings, etc.*  
> > >  
> > > *And are the network settings under DOS (IP address, mask, DNS, etc.) the same also?*  
> > >  
> > > *I have seen the DOS settings go to either half-duplex or 'Auto' and then the network is hosed if you try*  
> > > *to push it since the routing can't handle the difference between the two boxes.*  
> > >  
> > > *Just a thought.*  
> > >  
> > > --  
> > > *Always try the MS KB first before posting.*  
> > > *MS KB: <http://support.microsoft.com/default.aspx?scid=fh;EN-US;KBHOWTO>*  
> > > *And the answer could have already been posted, so try searching this and other newsgroups first.*  
> > > ----  
> > > *Mark-Allen Perry*  
> > > *ALPHA Systems*  
> > > *Marly, Switzerland*  
> > > *mark-allen\_AT\_mvps\_DOT\_org*  
> > >  
> > > *"GMA257" <GMA257@discussions.microsoft.com> wrote in message*  
> > > *news:0733489B-4989-485C-A9F4-71B7F1A94744@microsoft.com...*  
> > > *I have everything in place to begin ghosting except fast network throughput*  
> > > *from the DOS machine to the W2K3 server. If I copy any file from the DOS*  
> > > *machine to the server it is painfully slow (45 seconds for 1.4Mb). However*  
> > > *if I copy a file from the server to the DOS machine all is as it should be.*  
> > > *I can reboot the DOS machine into Win95 or WinXP go to a DOS prompt and copy*  
> > > *works just fine both directions.*  
> > >  
> > > *I have followed article 263088:*  
> > > *<http://support.microsoft.com/default.aspx?scid=kb;en-us;263088>*  
> > > *then I followed article 321098:*  
> > > *<http://support.microsoft.com/?kbid=321098>*  
> > > *I have determined from article 270926:*  
> > > *<http://support.microsoft.com/kb/270926>*  
> > > *That I am dealing with the Raw Mode data copy method.*  
> > >  
> > >

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> > > *Using network monitor I'm not entirely convinced that I'm not having the  
> > > problem discussed in article 810382:  
> > > <http://support.microsoft.com/default.aspx?scid=kb;en-us;810382>  
> > > because the TCP Window size does get above the 8192 figure that was set in  
> > > the above earlier article. I did not see an entry in the registry for  
> > > SynAttackProtect so I did not create one with a value of 0 or 1 the article  
> > > nearly stated that if the values was 2 to change it to 0 or 1.  
> > >  
> > > I have found that Ping can not be used to determine speed or to generate the  
> > > needed traffic to determine TCP window size. In DOS, ping reports <50ms for  
> > > a reply whether I'm pinging 127.0.0.1 or the server. The server however  
> > > claims to ping the client in <1ms.  
> > >  
> > > I'm using NDIS 2 drivers on the client for a SIS900 network card. The boot  
> > > disk was created by Norton Ghost. I have also used "Bart's Network Boot  
> > > Disk" with no better luck.  
> > > --  
> > > G-ANDERSON*