

## Re: DHCP Issues. Very strange

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-02/msg04146.html>

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- *From:* "AllenM" <[allen.miyake@xxxxxxxxxx](mailto:allen.miyake@xxxxxxxxxx)>
  - *Date:* Wed, 22 Feb 2006 09:18:18 -0800
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Hi Crina,

Thanks again for your reply and suggestions. You can read from my response to Anna my issues have been resolved. However if I may call upon your expertise and knowledge I do have one more question to ask. You've responded to a few of my posted issues and I'm not expecting you to remember them all but there is a pattern and it involves ISA 2004 and the order of the rules. My question "Is there a document or place I can go to that will give me the "default" order of the rules when ISA 2004 is first installed with SBS 2003 Premium. I believe if I can get it back to the default order things will work like they used to instead of me having to create new rules or make adjustments to the order. Thanks.

""Crina Li"" <[v-crinal@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:v-crinal@xxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:St63qO4NGHA.768@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:St63qO4NGHA.768@xxxxxxxxxxxxxxxxxxxxxxxx)

Hi Allen,

Thank you for posting in SBS newsgroup.

From the description, I understand the issue to be: some client computers can not obtain IP from SBS server. If I have misunderstood your concerns, please do not hesitate to let me know.

You may try removing the computer from Domain and then rejoin it to the domain in client computer. To do that, please perform the following steps:

1. In client computer, right-click My Computer and then select Properties.
2. In Computer Name tab, click Change and then change the computer from Domain to Workgroup.
3. Reboot the machine.
4. Log on as a local administrator account.
5. In client computer, open IE and run <http://servername/connectcomputer>.
6. Follow the wizard to finish.

If it still occurs, the most possible of this is the Windows XP SP2 firewall or third-party firewall program block the DHCP traffic.

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At the current stage, it is most possible a client side issue of Windows XP; however, since you have join it to SBS domain and the Windows XP SP2 firewall may be controlled by Group Policy of SBS server, I would like to help you troubleshoot in this newsgroup.

Before we start troubleshooting, I would like you to double check that the other workstations in the SBS network could receive IP address by DHCP service on the SBS server so that we can confirm the DHCP service is functioning well. Then, to troubleshoot this issue, I would like to suggest you following steps.

1. On the Windows XP SP2 workstation, please uninstall any third-party antivirus and firewall program.
2. On the Windows XP SP2 workstation, please disable the Windows XP SP2 Windows Firewall.

However, if you find the Windows Firewall is enabled and with options grayed out (cannot be disabled), you may need following process to configure the SBS server group policy for Windows XP SP2 firewall.

Generally, you could try to edit the ' Small Business Server Windows Firewall' to enable or disable the firewall on client. However, before the operation, you need to confirm the following things first.

After you install the Windows XP SP2 in your SBS 2k3 network, you may need to install the Update for SBS 2k3 server first, please refer to the following article.

872769 You cannot configure Windows Firewall settings or Security Center  
<http://support.microsoft.com/?id=872769>

If you want to modify the Group Policy setting that is configured when you installed the Windows Small Business Server 2003 Update for Windows XP SP2, install the hotfix on the SBS server that is described in the following Microsoft Knowledge Base article:

842933 "The following entry in the [strings] section is too long and has been truncated" error message when you edit or view Group Policy in Windows Server 2003, in Windows XP, or in Windows 2000  
<http://support.microsoft.com/default.aspx?kbid=842933>

After installing the above 2 hotfixes, please use the following steps to edit the GPO

1. Start -> Administrative Tools -> Group Policy Management.
2. Expand Domains -> Your Domain.
3. Right click the Small Business Server Windows Firewall and click Edit.
4. Computer configuration>Administrative templates>Network>Network

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connections> Windows Firewall> Domain Profile.

5. In "Windows Firewall: Protect all network connections" should be set to 'Disable'.
6. Run Gpupdate /force on your XP2 client.
7. Logon and logoff your client and test your issue again.

The following image may help you to configure it.

<http://www.sbslinks.com/XPsp2.htm>

After disable the XP SP2 firewall, please try to IPconfig /release and /renew again to see if this issue is resolved.

For managing the Windows XP SP2 firewall under SBS network, you may also need the following article

Windows XP Service Pack 2 and Windows Small Business Server  
[http://www.microsoft.com/technet/prodtechnol/sbs/2003/deploy/sbs\\_xpsp2.mspx](http://www.microsoft.com/technet/prodtechnol/sbs/2003/deploy/sbs_xpsp2.mspx)

If the issue still occurs, please try to configure the client computer manually as following:

1. Right click My Network Places and select Properties.
2. Right click Local Area Connection and select Properties.
3. On General tab, high light TCP/IP and then select Properties.
4. Select Use the following IP address and input an IP and set internal IP of SBS as default gateway.
5. Set internal IP of SBS as DNS server.
6. Try to see if it works.

Also I provide the following general steps to configure SBS and client computers:

On SBS:

1. Leave the Default Gateway of the internal NIC blank.
2. Configure both the internal NIC and the external NIC to use the internal DNS Service as the DNS Server.
3. On the DNS Server, create the DNS Forwarder to forward the external DNS resolution requests to the ISP's DNS server. See:

323380 How to configure DNS for Internet access in Windows Server 2003  
<http://support.microsoft.com/?id=323380>

4. Strictly followed the instructions in the KB article below to run CEICW:

825763 How to configure Internet access in Windows Small Business Server 2003  
<http://support.microsoft.com/?id=825763>

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Then, you can bring all the computers from "workgroup" to "Domain" as following:

1. Make sure the client computers get the IP addresses and DNS configurations from the SBS 2003 DHCP service correctly
2. In Server computer, Create a user account and computer account for each user by using the Add Users and Computers Wizard
3. Log on a client workstation using its local administrator account
4. In client computer, open IE and run <http://servername/connectcomputer>
5. Follow the wizard to finish.

If you have any questions or concerns related to this issue, please let me know.

I appreciate your time and look forward to hearing from you.

Best regards,

Crina Li (MSFT)

Microsoft CSS Online Newsgroup Support

Get Secure! – [www.microsoft.com/security](http://www.microsoft.com/security)

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This newsgroup only focuses on SBS technical issues. If you have issues regarding other Microsoft products, you'd better post in the corresponding newsgroups so that they can be resolved in an efficient and timely manner. You can locate the newsgroup here:  
<http://www.microsoft.com/communities/newsgroups/en-us/default.aspx>

When opening a new thread via the web interface, we recommend you check the "Notify me of replies" box to receive e-mail notifications when there are any updates in your thread. When responding to posts via your newsreader, please "Reply to Group" so that others may learn and benefit from your issue.

Microsoft engineers can only focus on one issue per thread. Although we provide other information for your reference, we recommend you post different incidents in different threads to keep the thread clean. In doing so, it will ensure your issues are resolved in a timely manner.

For urgent issues, you may want to contact Microsoft CSS directly. Please check <http://support.microsoft.com> for regional support phone numbers.

Any input or comments in this thread are highly appreciated.

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| From: "AllenM" <allen.miyake@xxxxxxxx>  
| Subject: DHCP Issues. Very strange  
| Date: Tue, 21 Feb 2006 09:37:04 -0800  
| Lines: 16  
| X-Priority: 3  
| X-MSMail-Priority: Normal  
| X-Newsreader: Microsoft Outlook Express 6.00.2900.2180  
| X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.2180  
| X-RFC2646: Format=Flowed; Original  
| Message-ID: <O852u1wNGHA.3196@xxxxxxxxxxxxxxxxxxxxxx>  
| Newsgroups: microsoft.public.windows.server.sbs  
| NNTP-Posting-Host: h-67-100-73-186.snvacaid.covad.net 67.100.73.186  
| Path:  
TK2MSFTNGXA01.phx.gbl!TK2MSFTNGXA03.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP0  
9.phx.gbl  
| Xref: TK2MSFTNGXA01.phx.gbl microsoft.public.windows.server.sbs:246226  
| X-Tomcat-NG: microsoft.public.windows.server.sbs  
|  
| All of a sudden out of nowhere I'm having problems with some clients not  
| being able to obtain an DHCP lease from the server. At first I had  
thought  
| that maybe it was a hub issue as I do have two of them and clients are  
| plugged into either or. But I reloved that by taking a bad client and  
| switching hubs with same results. I only have 1 DHCP server on my  
network.  
| When I go to the bad clients workstations and do an ipconfig /all here's  
is  
| what is returned.  
|  
| I get IP's that are on a 169.254.xx.xx network with a subnet mask of  
| 255.255.0.0. I cannot do an ipconfig /release and obviously cannot do a  
| renew. I've tried restarting the DHCP client service on the  
workstations.  
| Does not help. I can input "static" 192.168.16.xx (my internal network  
IP)  
| and no problem. However it appears that when I do this those clients  
cannot  
| access <http://companyweb>. Help!!!  
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