

RE: SP1 7 DHCP Challenges?

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2005-09/msg03242.html>

- *From:* v-brancee@xxxxxxxxxxxxxxxxxxxxxxxx ("Brandy Nee [MSFT]")
 - *Date:* Wed, 14 Sep 2005 10:26:44 GMT
-

Hello Kelly,

Thank you for posting back!

Now I understand that the IP configuration result on 11th Sep was from Workstation. From the IP configuration result, I notice the following information:

Autoconfiguration IP Address. . . : 169.254.73.205

>From this information, it seems that your DHCP server does not function well.

After the network adapter has been assigned an IP address, the computer can use TCP/IP to communicate with any other computer that is connected to the same LAN and that is also configured for APIPA or has the IP address manually set to the 169.254.x.y (where x.y is the client's unique identifier) address range with a subnet mask of 255.255.0.0. Note that the computer cannot communicate with computers on other subnets, or with computers that do not use automatic private IP addressing. Automatic private IP addressing is enabled by default. This is the reason workstations can ping each other, but cannot ping to Server.

For detailed information and steps, please see the following KB article:

220874 How to Use Automatic TCP/IP Addressing Without a DHCP Server
<http://support.microsoft.com/?id=220874>

If the issue persists after you perform the steps in the article, please help to gather more detailed information for troubleshooting:

1. Can you ping to the Workstations from server? Try ping servername and IP address, what are the results?
2. Do you enable the DHCP service on the router or SBS 2K3 server?
3. Just a double check, you Network Topology is :

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{Internet} {Router} {SBS 2K3 + Internal Network on the same subnet}

I am appreciated your time and co-operation, and am looking forward to hearing from you!

Best regards,

Brandy Nee

Microsoft CSS Online Newsgroup Support

Get Secure! – www.microsoft.com/security

=====
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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>Thread-Topic: SP1 7 DHCP Challenges?
>thread-index: AcW404L37MaVxrInQ3mX6iv/y/pHeg==
>X-WBNR-Posting-Host: 203.100.252.26
>From: "=?Utf-8?B?S2VsbHk=?" <Kelly@xxxxxxxxxxxxxxxxxxxxxxxx>
>References: <47CB369D-72CF-4DE8-AF0E-723ED00A357A@xxxxxxxxxxxx>
<i6QzW01tFHA.780@xxxxxxxxxxxxxxxxxxxx>
<079E909C-E67F-4AE6-9089-7CFD06EF1569@xxxxxxxxxxxx>
<mYVqcBEuFHA.4068@xxxxxxxxxxxxxxxxxxxx>
>Subject: RE: SP1 7 DHCP Challenges?
>Date: Tue, 13 Sep 2005 19:25:02 -0700
>Lines: 237

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>Message-ID: <00C134B9-C2AE-4A61-A2A7-E2C6F8BD8FF0@xxxxxxxxxxxxxx>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="Utf-8"
>Content-Transfer-Encoding: 7bit
>X-Newsreader: Microsoft CDO for Windows 2000
>Content-Class: urn:content-classes:message
>Importance: normal
>Priority: normal
>X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.0
>Newsgroups: microsoft.public.windows.server.sbs
>NNTP-Posting-Host: TK2MSFTNGXA03.phx.gbl 10.40.2.250
>Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGXA03.phx.gbl
>Xref: TK2MSFTNGXA01.phx.gbl microsoft.public.windows.server.sbs:153138
>X-Tomcat-NG: microsoft.public.windows.server.sbs
>
>Hi Brandy
>
>Here is the ipconfig /all from the server itself, that previous one was
from
>a workstation
>
> Windows IP Configuration
> Host Name : gml-sbs
> Primary Dns Suffix : GML.local
> Node Type : Unknown
> IP Routing Enabled. : Yes
> WINS Proxy Enabled. : Yes
> DNS Suffix Search List. : GML.local
>Ethernet adapter Server Local Area Connection:
> Connection-specific DNS Suffix . :
> Description : Intel(R) PRO/1000 MT Network
Connection
> Physical Address. : 00-04-23-88-B7-5F
> DHCP Enabled. : No
> IP Address. : 192.168.10.10
> Subnet Mask : 255.255.255.0
> Default Gateway : 192.168.10.1
> DNS Servers : 192.168.10.10
> Primary WINS Server : 192.168.10.10
>
>I have also realised I cannot ping the server from any workstation (even
>those with current DHCP leases). Workstations can ping each other.
>
>The default gateway is the router's address, and the DNS settings are
correct.
>
>Any other suggestions? From what I can find online it looks like the SBS
>firewall is on, but its definitely not. What else should I check for?
>
>Thank you again for your help.

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>
>""Brandy Nee [MSFT]"" wrote:
>
>> Hello Kelly,
>>
>> Thank you for posting back!
>>
>> From your reply, I noticed some problems. Please see:
>>
>> 1> I understand there is only One NIC installed on the server, and your
>> Network Topology is:
>>
>> {Internal} {Router} {SBS + Internal Client}
>>
>> 2> You mentioned only One NIC installed on the SBS 2K3 server, so the
>> Default Gateway IP address should be the Router Internal IP address.
>>
>> 3> From the Windows IP Configuration result, I cannot find the DNS
>> servers
>> IP address, so I wonder which command did you typed, "ipconfig" or
>> "ipconfig /all".
>>
>> 4> Please make sure that the DNS Server IP address on your SBS 2K3
>> server
>> must be exact same as server NIC address and the DNS server IP address
>> on
>> the client workstations.
>>
>> I suggest you that strictly following the KB article to rerun the CEICW:
>>
>> 825763 How to configure Internet access in Windows Small Business Server
>> 2003
>> <http://support.microsoft.com/?id=825763>
>>
>> Thanks for your time. If anything is unclear, please feel free to post
>> back. I am looking forward to hearing from you!
>>
>> Best regards,
>>
>> Brandy Nee
>>
>> Microsoft CSS Online Newsgroup Support
>>
>> Get Secure! – www.microsoft.com/security
>> =====
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>>
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>>
>>
>>
>> -----
>> >Thread-Topic: SP1 7 DHCP Challenges?
>> >thread-index: AcW3YQeBkTDRbkDIT/usmbmG1z5stQ==
>> >X-WBNR-Posting-Host: 203.100.252.26
>> >From: "=?Utf-8?B?S2VsbHk=?" <Kelly@xxxxxxxxxxxxxxxxxxxxxxxx>
>> >References: <47CB369D-72CF-4DE8-AF0E-723ED00A357A@xxxxxxxxxxxx>
>> <i6QzW01tFHA.780@xxxxxxxxxxxxxxxxxxxxxxxx>
>> >Subject: RE: SP1 7 DHCP Challenges?
>> >Date: Sun, 11 Sep 2005 23:13:01 -0700
>> >Lines: 147
>> >Message-ID: <079E909C-E67F-4AE6-9089-7CFD06EF1569@xxxxxxxxxxxx>
>> >MIME-Version: 1.0
>> >Content-Type: text/plain;
>> > charset="Utf-8"
>> >Content-Transfer-Encoding: 7bit
>> >X-Newsreader: Microsoft CDO for Windows 2000
>> >Content-Class: urn:content-classes:message
>> >Importance: normal
>> >Priority: normal
>> >X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.0
>> >Newsgroups: microsoft.public.windows.server.sbs
>> >NNTP-Posting-Host: TK2MSFTNGXA03.phx.gbl 10.40.2.250
>> >Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGXA02.phx.gbl!TK2MSFTNGXA03.phx.gbl

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>> >Xref: TK2MSFTNGXA01.phx.gbl microsoft.public.windows.server.sbs:152528
>> >X-Tomcat-NG: microsoft.public.windows.server.sbs
>> >
>> >THANKYOU so much Brandy for your time in helping with this. Here are
the
>> >answers to your questions.
>> >
>> >
>> >> I understand that after you installed SBS 2K3 SP1, three workstations
>> >> cannot connect to the Internet, and you manually configure IP address
on
>> >> these three workstations. If I have misunderstood your concern,
please
>> let
>> >> me know.
>> >
>> >As the day has worn on we have also had several printers which people
had
>> >turned off lose their IP addresses, their configs say "BOOTP/DHCP in
>> >progress" but they never gain an IP.
>> >
>> >> Based on my experience, this issue can be caused by varies of
factors.
>> From
>> >> the information you have applied, we cannot decide whether this is
DHCP
>> >> problem. To find out the root cause, please help to gather the
following
>> >> information for research:
>> >>
>> >> 1. Firstly, use DHCP to assign IP address on these problematic
>> >> workstations, can you reproduce the issue?
>> >
>> >If I run ipconfig /release and then try to /renew on one of the
'working'
>> >workstations, it also loses its IP (obviously) but cannot gain a new
one.
>> If
>> >I take off the static IP from the workstations which will not acquire
IP's
>> >(and then reboot), they gain an incorrect IP (out of my range, as below
in
>> >the ipconfig /all paste I have done)
>> >
>> >> 2. After enable DHCP to assign IP address, open command window on the
>> SBS
>> >> 2K3 server and one of the problematic workstation, run "ipconfig
/all"
>> >> (without quotation marks), copy and paste the full result to the
>> Newsgroup.
>> >

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>> >Windows IP Configuration
>> >
>> > Host Name : S-FelicityW
>> > Primary Dns Suffix : <domain>.local
>> > Node Type : Broadcast
>> > IP Routing Enabled. : No
>> > WINS Proxy Enabled. : No
>> >
>> >Ethernet adapter Local Area Connection:
>> >
>> > Connection-specific DNS Suffix . :
>> > Description : Intel(R) PRO/1000 MT
Network
>> >Connect
>> >ion
>> > Physical Address. : 00-11-43-01-57-7A
>> > Dhcp Enabled. : Yes
>> > Autoconfiguration Enabled : Yes
>> > Autoconfiguration IP Address. . . : 169.254.73.205
>> > Subnet Mask : 255.255.0.0
>> > Default Gateway :
>> >
>> >(the default gateway is empty, I have not cut off the text)
>> >
>> >Our internal IP range is 192.168.10.xx so that IP is very strange.
>> >
>> >> 3. What is your Network Topology? For example:
>> >>
>> >> {Internet} {Router} {NIC1} {SBS 2K3} {NIC2} {Internal Clients}
>> >>
>> >Internet – Router – NIC1 – SBS 2K3 – NIC1 – Internal Clients (does not
>> have
>> >2 NICS)
>> >
>> >> 4. Please explain in detail "workstations which will not connect". I
>> need
>> >> to know when the issue happened, could these workstations connect to
>> >> internal resource, for example: RWW, Companyweb, Remote Desktop,
Share
>> >> Folders, etc?
>> >>
>> >>The workstations can only log on 'locally' (not to the domain), and
then
>> >>have no access to any network resources (email, shared folders and
>> printers
>> >>are really the only resources they would use)
>> >>
>> >>> 5. Also, please explain in detail "I installed Windows Server 2003
SP1,
>> >>> then the SBS SP1 onto my SBS 2003 server". I need to know whether you
>> have

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- Next by Date: ***RE: Where to install the TS License Server***
- Previous by thread: ***RE: SP1 7 DHCP Challenges?***
- Next by thread: ***Sharepoint, Company Web & Email***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***