

Re: Lan setup 2 nic

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2005-06/msg07971.html>

- *From:* "Marina Roos [SBS-MVP]" <marina@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 28 Jun 2005 23:30:57 +0200
-

Hi RD,

The internal nic has Client for MS Networks, File and Printersharing and TCP/IP enabled and QOS if available.

The external nic only has TCP/IP enabled. I really have no clue what you mean with the higher level service. You simply uncheck the other services.

Ipnconfig of the server is looking good, but the client is still missing the dns suffix. In DHCP, Scope Options, 015 should point to your local AD domain name.

On the clients the same services should be enabled as on the internal nic of the server.

you did rerun CEICW, right? Can you look at the icwlog.txt file in \program files\microsoft small business server\support, drill down to the end, the post the lines with 'Error' in it here.

—

Regards,

Marina Roos
Microsoft SBS-MVP
One of the Magical M&M's
www.smallbizserver.net
Take part in SBS forum:
<http://www.smallbizserver.net/Default.aspx?tabid=53>

"RD Wirr" <RDWirr@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> schreef in bericht
news:3F4419BF-6E04-4280-BB35-9139B0FB1A0B@xxxxxxxxxxxxxxxxxxxxxxxx

> Hi Marina,

> I have taken Frank McCallister's advice and added a router to our external
> connection so we have a 2 nic with router setup now. Also this allows us
to

> failover to a direct connection to the internet to a particular
workstation

> (swapping cables) in case of server problems (the server has been
> problematic). In any case, I have set this system up according to the 2
nic

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> router setup indicated on your website. We have connection to the internet
> and the workstations can see the server however the server still cannot
see
> the workstations. Moreover, the ICW fails for the network setup when I run
it
> (repeatedly) and also there are no web services to configure in that
screen
> of the ICW. No remote web workplace, outlook web access, etc. I have tried
> setting up both with the UPNP enabled and disabled on the router but
always
> failing.
>
> In this new setup we have the DHCP range is excluding 192.168.16.1–9
> (automatically added by the server). I have checked the TCP/IP binding for
> the external nic and there are two choices (like the internal nic) both
are
> subordinate to the service (client for MS networks or file sharing), it is
> not possible to select only the TCP/IP. The higher level service
> automatically is selected.
>
> What to do? I have pasted a new version of the IPconfigs from server and
> workstation here FYI.
>
> SBS 2003 Server IP Configuration
>
> Host Name : romanholiday
> Primary Dns Suffix : romanfun.local
> Node Type : Unknown
> IP Routing Enabled. : Yes
> WINS Proxy Enabled. : Yes
> DNS Suffix Search List. : romanfun.local
>
> Ethernet adapter Server Local Area Connection:
>
> Connection-specific DNS Suffix . :
> Description : Linksys LNE100TX Fast Ethernet
> Adapter(LN
> E100TX v4)
> Physical Address. : 00-0C-41-F1-46-6A
> DHCP Enabled. : No
> IP Address. : 192.168.16.2
> Subnet Mask : 255.255.255.0
> Default Gateway :
> DNS Servers : 192.168.16.2
> Primary WINS Server : 192.168.16.2
>
> Ethernet adapter WAN Connection:
>
> Connection-specific DNS Suffix . :
> Description : Intel(R) PRO/1000 MT Network
Connection

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> Physical Address. : 00-0C-F1-CA-6A-8D
> DHCP Enabled. : No
> IP Address. : 192.168.1.10
> Subnet Mask : 255.255.255.0
> Default Gateway : 192.168.1.1
> DNS Servers : 192.168.16.2
> NetBIOS over Tcpi. : Disabled
>
>
>
> Workstation IP Configuration
>
> Host Name : rosy
> Primary Dns Suffix :
> Node Type : Hybrid
> IP Routing Enabled. : No
> WINS Proxy Enabled. : No
> DNS Suffix Search List. : romanfun.local
>
> Ethernet adapter Local Area Connection:
>
> Connection-specific DNS Suffix . : romanfun.local
> Description : CNet PRO200WL PCI Fast
Ethernet
> Adapter
> Physical Address. : 00-08-A1-0A-5F-86
> Dhcp Enabled. : Yes
> Autoconfiguration Enabled : Yes
> IP Address. : 192.168.16.11
> Subnet Mask : 255.255.255.0
> Default Gateway : 192.168.16.2
> DHCP Server : 192.168.16.2
> DNS Servers : 192.168.16.2
> Primary WINS Server : 192.168.16.2
> Lease Obtained. : Tuesday, June 28, 2005 9:53:38
AM
> Lease Expires : Wednesday, July 06, 2005
9:53:38
> AM
>
> Thanks for sticking with this...
> Regards,
> RD
>
> "Marina Roos [SBS-MVP]" wrote:
>
>> Hi RD,
>>
>> You should be able to only check TCP/IP on the external nic. It doesn't
need
>> that Client for Networks checked.

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>>
>> Delete the WINS on the external nic and disable NetBIOS over TCP/IP.
>>
>> I don't think your DHCP is setup right. Default you should have the first 10
>> IP's excluded from the scope, but your client is getting a 192.168.0.2
and
>> it is not getting DNS suffix information. Check the Scope Options.
>> Run the Change IP wizard to change the internal nic IP, which will
>> automagically also change WINS, DNS and DHCP.
>>
>> --
>> Regards,
>>
>> Marina Roos
>> Microsoft SBS-MVP
>> One of the Magical M&M's
>> www.smallbizserver.net
>> Take part in SBS forum:
>> <http://www.smallbizserver.net/Default.aspx?tabid=53>
>>
>> "RD Wirr" <RDWirr@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> schreef in bericht
>> news:1000BCC8-3A41-48D5-83CC-4D97A7D0E64A@xxxxxxxxxxxxxxxxxxxxx
>>> Hi Marina
>>>
>>> I am pasting the IP config info below some of the names and ip info
have
>>> been changed to protect the connection... I have looked at your
website as
>>> Frank McCallister suggested and followed your instructions on the 2
nic no
>>> router config setup but I still can't get it to work. Now when I go to
the
>>> internet connection wizard, it proceeds correctly until the web
services
>>> configuration, it is not showing any web services such as remote web
>>> workplace, etc. so cannot proceed past that point.
>>>
>>> I also note that in the bindings, there is no stand alone TCP/IP
binding
>> for
>>> the external connection, only in conjunction with Client for Microsoft
>>> Networks
>>>
>>> SBS 2003 Server IP Configuration
>>>
>>> Host Name : romanholiday
>>> Primary Dns Suffix : romanfun.local
>>> Node Type : Unknown
>>> IP Routing Enabled. : Yes
>>> WINS Proxy Enabled. : Yes

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```
>>> DNS Suffix Search List. . . . . : romanfun.local
>>>
>>> Ethernet adapter Server Local Area Connection:
>>>
>>> Connection-specific DNS Suffix . :
>>> Description . . . . . : Linksys LNE100TX Fast Ethernet
>>> Adapter(LN
>>> E100TX v4)
>>> Physical Address. . . . . : 00-0C-41-F1-46-6A
>>> DHCP Enabled. . . . . : No
>>> IP Address. . . . . : 192.168.0.10
>>> Subnet Mask . . . . . : 255.255.255.0
>>> Default Gateway . . . . . :
>>> DNS Servers . . . . . : 192.168.0.10
>>> Primary WINS Server . . . . . : 192.168.0.10
>>>
>>> Ethernet adapter WAN Connection:
>>>
>>> Connection-specific DNS Suffix . :
>>> Description . . . . . : Intel(R) PRO/1000 MT Network
>> Connection
>>> Physical Address. . . . . : 00-0C-F1-CA-6A-8D
>>> DHCP Enabled. . . . . : No
>>> IP Address. . . . . : 66.159.241.104
>>> Subnet Mask . . . . . : 255.255.255.0
>>> Default Gateway . . . . . : 66.159.241.1
>>> DNS Servers . . . . . : 192.168.0.10
>>> Primary WINS Server . . . . . : 192.168.0.10
>>>
>>>
>>> Windows XP workstation IP Configuration
>>>
>>> Host Name . . . . . : rosy
>>> Primary Dns Suffix . . . . . :
>>> Node Type . . . . . : Hybrid
>>> IP Routing Enabled. . . . . : No
>>> WINS Proxy Enabled. . . . . : No
>>> DNS Suffix Search List. . . . . : romanfun.local
>>>
>>> Ethernet adapter Local Area Connection:
>>>
>>> Connection-specific DNS Suffix . : romanfun.local
>>> Description . . . . . : CNet PRO200WL PCI Fast
>> Ethernet
>>> Adap
>>> ter
>>> Physical Address. . . . . : 00-08-A1-0A-5F-86
>>> Dhcp Enabled. . . . . : Yes
>>> Autoconfiguration Enabled . . . . : Yes
>>> IP Address. . . . . : 192.168.0.2
>>> Subnet Mask . . . . . : 255.255.255.0
```

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>>> Default Gateway : 192.168.0.10
>>> DHCP Server : 192.168.0.10
>>> DNS Servers : 192.168.0.10
>>> Primary WINS Server : 192.168.0.10
>>> Lease Obtained. : Saturday, June 25, 2005
>> 4:53:40 PM
>>> Lease Expires : Sunday, July 03, 2005
4:53:40
>> PM
>>>
>>> any help is much appreciated.
>>> Thanks,
>>> RD
>>>
>>> "Marina Roos [SBS-MVP]" wrote:
>>>
>>>> Can you post the ipconfig/all from the server and one from a client?
>>>>
>>>> --
>>>> Regards,
>>>>
>>>> Marina Roos
>>>> Microsoft SBS-MVP
>>>> One of the Magical M&M's
>>>> www.smallbizserver.net
>>>> Take part in SBS forum:
>>>> <http://www.smallbizserver.net/Default.aspx?tabid=53>
>>>>
>>>> "RD Wirr" <RDWirr@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> schreef in bericht
>>>> news:B151DC9B-974E-4A00-9240-7AB6CEB4FD16@xxxxxxxxxxxxxxxxxxxxx
>>>>> Yes Greg, I have connected all clients and the server to the
switch
>> ports.
>>>>> The WAN port is empty. I should mention though, that the router
setup
>> is
>>>>> still acting as though it is ready to connect with the WAN. I can
see
>> no
>>>>> way
>>>>> the disable the WAN connection setup (dynamic IP, PPOE, LPT2, etc)
but
>> I
>>>>> have
>>>>> disabled the DHCP service and the DNS relaying in the router. I
guess
>> the
>>>>> other WAN setup items just become irrelevant nif there is nothing
>>>>> connected
>>>>> to the WAN physical port.
>>>>>

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>>>> "Gregg Hill" wrote:
>>>>
>>>>> Did you connect the server and clients to the router's switch
ports,
>> or
>>>> did
>>>>> you connect the server to the router's WAN port? They should all
be
>> on
>>>> the
>>>>> switch ports.
>>>>>
>>>>> If you have the server connected to the WAN port, the clients
would
>> be
>>>>> behind the firewall, just as though the server were an Internet
>> computer
>>>>> trying to attack them via the WAN port.
>>>>>
>>>>> Gregg Hill
>>>>>
>>>>>
>>>>>
>>>>> "RD Wirr" <RDWirr@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
>>>>> <news:BEFB93A1-9C9A-40D2-927D-304D7744F89C@xxxxxxxxxxxxxxxxxxxx>
>>>>>> I am trying to change from a single nic internet/lan setup on
sbs
>> 2003
>>>> to a
>>>>>> two nic setup directly connecting to a dsl modem from the
server,
>>>> using
>>>>>>> the
>>>>>>> SBS firewall (standard version) and then using the existing
router
>>>> just as
>>>>>>> a
>>>>>>> switch for connecting to the internal network. I have made the
>>>> changeover
>>>>>>> almost without problems, I can get to the internet from the
server
>> and
>>>> the
>>>>>>> clients and can connect to the server from the clients however
the
>>>> clients
>>>>>>> are invisible from the server. I have tried repairing the
>> connection
>>>> on
>>>>>>> the
>>>>>>> server but I always get an error message saying "failed to

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flush

>> ARP

>>>>>> cache".

>>>>>> I have installed the DHCP service on the server and also the DNS

>> on

>>>> the

>>>>>> server (disabled on the router). I am using the same IP as the

>> server

>>>>>> address

>>>>>> for the DHCP, DNS servers and also for the gateway settings on the

>>>>>> clients.

>>>>>> Anyone have any idea what I am doing wrong here?

>>>>>> Thanks in advance RD Wirr

>>>>>>

>>>>>>

>>>>>>

>>>>

>>>>

>>>>

>>

>>

>>

>>

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• *Follow-Ups:*

◆ **Re: Lan setup 2 nic**

◇ From: RD Wirr

• *References:*

◆ **Lan setup 2 nic**

◇ From: RD Wirr

◆ **Re: Lan setup 2 nic**

◇ From: Gregg Hill

◆ **Re: Lan setup 2 nic**

◇ From: RD Wirr

◆ **Re: Lan setup 2 nic**

◇ From: Marina Roos [SBS-MVP]

◆ **Re: Lan setup 2 nic**

◇ From: RD Wirr

◆ **Re: Lan setup 2 nic**

◇ From: Marina Roos [SBS-MVP]

◆ **Re: Lan setup 2 nic**

◇ From: RD Wirr

• Prev by Date: **Re: 3gb memory add on DDK5594**

Re: Lan setup 2 nic

- Next by Date: ***Re: Deploying Application***
- Previous by thread: ***Re: Lan setup 2 nic***
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- Index(es):
 - ◆ ***Date***
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