

Re: 2 NICs Configuration Problem

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2007-04/msg00170.html>

- *From:* "Bill Grant" <not.available@online>
 - *Date:* Wed, 11 Apr 2007 20:48:55 +1000
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It also explains why your server cannot access the Internet. The firewall provides NAT for the LAN machines, allowing them to reach the Internet using the firewall's public IP. Machines in the DMZ are not behind the NAT, so they need a routable public IP to access the Internet directly. Private IPs cannot cross the Internet. The Internet routers are programmed to drop packets with private IP addresses.

"Bill Grant" <not.available@online> wrote in message news:ujpccDBfHHA.2396@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

That clears up the setup, but it doesn't really mean that you are not bypassing the firewall. Connecting a server to the DMZ port is effectively bypassing firewall filtering to that server. That is what it is for – to allow a direct connection to the Internet. If that server also has a NIC in the LAN, then the LAN is at risk.

"Paul" <paulbockmann@xxxxxxxxxxxxxx> wrote in message news:3B644E6F-2C5B-4ADF-8881-E3BED511E56C@xxxxxxxxxxxxxxxxxxxx

Firstly, nothing is bypassing the firewall – SB2003 server (192.168.16.2) is behind the firewall on the LAN port (192.168.16.1); The multihome server (192.168.16.3 internal & 192.168.20.2 external) is behind the firewall on the DMZ port (192.168.20.1).

The SBS2003 server is physically connected to the LAN switch. The multihome's internal nic is connected to the switch and its external is connected to the DMZ port on the firewall. The switch is connected to the LAN port on the firewall.

Hope this clears things up. Again, no errors, all lan connectivity is good, just cant get the multihome to get out to the internet on its external nic.

Talked to Sonicwall and they inform me that there is nothing blocking the DMZ

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outbound – so it should go.

Thanks

Paul

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Paul Bockmann

"Bill Grant" wrote:

That all looks pretty dicey to me. Having a server on the LAN which bypasses the firewall is never a good idea. What is the external NIC on the multihomed server physically connected to? Is the 192.168.20 network your DMZ?

"Paul" <paulbockmann@xxxxxxxxxxxxxx> wrote in message news:E0CB6183-B201-4D92-A24D-737A4F1C8857@xxxxxxxxxxxxxx

I have seen a number of write-ups on this – good and bad, but none seem to make my situation work. So, I have an SBS2003 (no ISA) with 1 nic > switch > Firewall LANport > Internet as follows:

Host Name : thor
Primary Dns Suffix :
Removersgroup.local
Node Type : Unknown
IP Routing Enabled. : Yes
WINS Proxy Enabled. : Yes
DNS Suffix Search List. :
Removersgroup.local

PPP adapter RAS Server (Dial In) Interface:

Connection-specific DNS Suffix . :
Description : WAN
(PPP/SLIP) Interface
Physical Address. :
00-53-45-00-00-00
DHCP Enabled. : No
IP Address. : 192.168.16.19
Subnet Mask :

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255.255.255.255
Default Gateway :
NetBIOS over Tcip. : Disabled

Ethernet adapter Server Local Area
Connection:

Connection-specific DNS Suffix . :
Description : Intel(R)
PRO/1000 MT Dual Port
Network Co
nnection
Physical Address. :
00-03-47-30-63-68
DHCP Enabled. : No
IP Address. : 192.168.16.2
Subnet Mask : 255.255.255.0
Default Gateway : 192.168.16.1
DNS Servers : 192.168.16.2
Primary WINS Server :
192.168.16.2

I would like to add amember server2003
with 2 nics – 1 for Internal >
switch(WSUS, Backup Exec, Aux storage)
and 1 for External > Firewall
DMZ
port (websites, WSUS updates) as follows:

Host Name : Quigley
Primary Dns Suffix :
Removersgroup.local
Node Type : Hybrid
IP Routing Enabled. : No
WINS Proxy Enabled. : No
DNS Suffix Search List. :
Removersgroup.local

Ethernet adapter DMZ:
Connection-specific DNS Suffix . :
Description : Intel(R)
PRO/1000 MT Dual Port
Network Co
nnection
Physical Address. :
00-03-47-32-EE-EF
DHCP Enabled. : No
IP Address. : 192.168.20.2
Subnet Mask : 255.255.255.0
Default Gateway : 192.168.20.1
DNS Servers : 192.168.16.2

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NetBIOS over Tcpi. : Disabled

Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix . :
Description : Intel(R)
PRO/1000 MT Dual Port
Network Co
nnection #2
Physical Address. :
00-03-47-32-EE-EE
DHCP Enabled. : No
IP Address. : 192.168.16.3
Subnet Mask : 255.255.255.0
Default Gateway :
DNS Servers : 192.168.16.2
Primary WINS Server :
192.168.16.2

Right now I am unable to connect to the internet via the External nic on the webserver, although website service runs fine. I can also tie into the webserver over the LAN with no problems. All in all, everything but the ability to call out to the internet via the webserver's external nic (192.168.20.2) works great; Unfortunately I would like to have WSUS updates follow this path. I do not have DNS, WINS, or RRAS setup on the member server2003. I am getting no errors to post here so I am somewhat at a loss – please help.
Thanks
Paul

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Paul Bockmann

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