

Re: 2 Nics...1 Problem

Source:

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From: Matthew [MSFT] (mfresoli_at_online.microsoft.com)

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Hi John,

>From the information it sounds like you have a firewall connected via 192.16.10.x/24 network to your gateway server. Then the gateway server has another network 192.16.20.x/24. From the route print on the gateway server, it looks like there are 2 default gateways set (one on each nic). The 192.16.10.99 NIC is the only one that should have a default gateway. (although this is probably not the issue, if this is correct, I would remove the extra default gateway).

Also, you should not have to place any static routes on the gateway server since its route table already has both networks listed. I dont see the routes in the route table, so I am not sure if these are being used. (if they are there, I would remove these as well).

Since your firewall has the route back to the gateway server for 192.16.20.x/24, then it should take any packets from the clients routed to the default gateway (assume it is 192.16.10.102), then it should route the packets back.

To make sure you dont have an issue with the firewall routing packets back, I would suggest taking a machine in the 192.16.10.x network and point the default gateway back to 192.16.10.99 (or place a static route on a client to point back for 192.16.20.x). Then ping from a machine in the 192.16.20.x network and see if the packet is returned.

If it is, then there may be an issue with the firewall route. If this fails, I would suggest a tracert or pathping command to see if they return more information.

Hope this helps.

-Matt

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microsoft.public.windows.server.networking: Re: 2 Nics...1 Problem

"John McKee" <Destroyer24@hotmail.com> wrote in message
news:6d13dce0.0404080957.183b606@posting.google.com...
> I have a multi-homed system connected to 2 different networks. I also
> have a another gateway running as a nat/firewall to the outside.
>
> The gateway has 2 nics...old network is at 192.16.10.99 and the new
> network is at 192.16.20.99. The firewalled machine has 2 nics as
> well...192.16.10.102 and the other nic is the outside ip.
>
> One computer (gateway) is connected to 2 different networks,
> 192.16.20.x and 192.16.10.x I tried to config this one as a router
> between the two networks. However, when I try to ping from one network
> to the other...it doesnt work. Im only able to ping the nics on the
> gateway from the firewalled machine. If I try any other machine on the
> 10.x network it pings once...then it RTOs. After that it doesnt ping
> again.
>
> In my static routes for the gateway I have 10.99 goto the 20.99 and
> 20.99 goto the 10.99
>
> Active Routes:
> Network Destination Netmask Gateway Interface
> Metric
> 0.0.0.0 0.0.0.0 192.16.10.102 192.16.10.99
> 20
> 0.0.0.0 0.0.0.0 192.16.20.220 192.16.20.99
> 20
> 127.0.0.0 255.0.0.0 127.0.0.1 127.0.0.1
> 1
> 192.16.10.0 255.255.255.0 192.16.10.99 192.16.10.99
> 20
> 192.16.10.99 255.255.255.255 127.0.0.1 127.0.0.1
> 20
> 192.16.20.0 255.255.255.0 192.16.20.99 192.16.20.99
> 20
> 192.16.20.99 255.255.255.255 127.0.0.1 127.0.0.1
> 20
> 192.16.255.255 255.255.255.255 192.16.10.99 192.16.10.99
> 20
> 192.16.255.255 255.255.255.255 192.16.20.99 192.16.20.99
> 20
> 224.0.0.0 240.0.0.0 192.16.10.99 192.16.10.99
> 20
> 224.0.0.0 240.0.0.0 192.16.20.99 192.16.20.99
> 20
> 255.255.255.255 255.255.255.255 192.16.10.99 192.16.10.99
> 1
> 255.255.255.255 255.255.255.255 192.16.20.99 192.16.20.99
> 1
> Default Gateway: 192.16.10.102
>
> In the staic routes on the firewall I have anything going to the 20.x
> goto the 10.99
>
> Please help me.
>
> --John