

Re: 2 Nic's 1 Dial

Source:

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.networking/2005-01/0499.html>

From: newsreader (mailmsstuff_at_noemail.nospam)

Date: 01/12/05

Date: Tue, 11 Jan 2005 19:42:06 -0500

No, the program I wrote solves the problem, because it works. ;-)

>Not **to** the modem. You want to go to the desired destination **via** the
> modem.

not "to" vs. "via" (that's just wording)

in RRAS if I create from scratch (dialog verbosity skipped), Internet
Connection Server -> NAT -> demand-dial (service starts)
create demand dial name (remote router), modem, pick them modem, phone
number etc , route IP packets (checked), account info
finish

IP Routing section create a static entries
(select the Remote router) and enter the destination IP that I want to
target say for example 111.111.111.111 with
a mask of 255.255.255.255 the entry that gets created is (even though I
enter and IP and mask in the dialog) is

```
Destination,Network mask,Gateway,Interface,Metric,Protocol  
0.0.0.0,0.0.0.0,0.0.0.0,Remote Router,1,Static
```

with no entry created for the specific IP I entered,
even after the connection is established the specific IP never appears in
the route table

on the other hand if I disable RRAS,
create a standard dialup connection, let it connect, get and IP and then
create my route
for 111.111.111.111 to the IP address that the dial connection was provided
such as
route add 111.111.111.111 mask 255.255.255.255 xxx.xxx.xxx.xxx
where xxx is the ip the connection obtained when it connected.

after adding that route everyone (server and all workstations) can see the
normal gateway (outside world) and the specific ip
that has been redirected with the route entry at the server.

as I understand RRAS, it should work as you describe, but it never seems to create the route.

I am going to suggest that the reason it does not is because the ip we are targeting is 111.111.111.111

and the IPs being assigned are not in that range. don't ask that is part of their (the 3rd party) security.

I think RRAS silently fails with the same type of message you would get it as if you did a

route add 111.111.111.111 mask 255.255.255.255 122.122.122.122

that is that "the gateway does not lie on the same network interface."

That is true, and always will be. So I don't think RRAS will ever work in this case.

at any rate, what I have works, and that is really all I need it to do.

Thanks very much for your response, I do appreciate it.

"Phillip Windell" <@.> wrote in message

news:u\$YX5bA%23EHA.3700@tk2msftngp13.phx.gbl...

> "newsreader" <mailmsstuff@noemail.nospam> wrote in message

> news:uQjLhA49EHA.1544@TK2MSFTNGP11.phx.gbl...

>> Interesting,

>> I tried this creating a static route to the modem device, it did not seem

> to

>> do what I needed.

>

> Not *to* the modem. You want to go to the desired destination *via* the

> modem.

>

>> the server itself appeared to see the route, but workstations using the

>> server as the gateway never got there.

>

> Define "seeing the route".

>

> If the route was correct and the Server contacted the destination properly

> over the proper route but the other machines did not,...then you LAN's

> routing scheme isn't properly designed.

>

>> meanwhile, I wrote a little VB app that reads the route table

>> GetIpForwardTable looks for what I need and adds the appropriate route

>> CreateIpForwardEntry, it works. both the server and all workstations can

>> access the required ip on the appropriate dial interface.

>

> That only hides the problem,...it doesn't solve it.

>

> --

>

> Phillip Windell [MCP, MVP, CCNA]

> www.wandtv.com

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