

# Re: Windows 2K3 and Virtual Server 2005 guests NAT problem

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2007-04/msg00401.html>

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- *From:* "Ace Fekay [MVP]" <PleaseAskMe@xxxxxxxxxxxxxxxxxx>
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In [news:%23CuiiokhHHA.4704@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23CuiiokhHHA.4704@xxxxxxxxxxxxxxxxxxxxxxxx),  
Bill Grant <not.available@online> typed:

It will work OK like that, Ace. The loopback network is just a virtual network which can access the host machine through the host's loopback adapter. If you put the private LAN on an internal virtual network you have to run the router on a virtual machine (with one NIC in the virtual network and one linked to the physical network) If you use the loopback adapter you can route through the host machine.

Back to the OP. I presume you want to give the private LAN access to the public LAN without changing the routing on the public network? The best way to do that is to set up the machine as a NAT router in RRAS (with the 62. NIC as the public interface and the loopback adapter as the private interface). However it won't work with the config you have given in DHCP. The vms must use private IPs from the 192.168.1.0/24 subnet. eg

```
Public network
|
62.186.122.103 dg 62.96.122.4
host RRAS/NAT
192.1681.55/24 dg blank
|
guests
192.168.1.x/24 dg 192.168.1.55
```

If you have configured DNS on the host and have set your vms to use this DNS you will need to set it up to forward to your 62.96 DNS server(s) if you want these machines to be able to resolve names of the LAN machines. You will also need to set them up with the correct DNS suffix if you want them to resolve these names using simple names, not FQDNs. I would just give the machines in the private LAN the DNS addresses of your 62.96 DNS servers from DHCP, but give them 192.168.1.x IP addresses and 192.168.1.55 as default gateway..

Re: Windows 2K3 and Virtual Server 2005 guests NAT problem

I had never tried it that way. Glad you saw this post and were able to help out.

Ace

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