

Re: Win2k3 R2 does not route to virtual guests

Source:

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.networking/2006-07/msg00044.html>

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 - *Date:* 7 Jul 2006 15:54:40 -0700
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Hi Philip.

1. You don't add routes. All networks are "Directly Connected Networks",...there are no routes to add.

You need to give me some context here. Are you talking about the entire setup, the firewall or the host?

2. Get rid of the registry entries you created. They don't apply to this, and they don't belong there.

Ok, no problemo.

3. ISA is a proxy server not a router.

We use an ISA as a combined firewall/router in another setup so I'm not sure what you base this statement on. I might have misunderstood the job of a router (to re-route traffic between networks?).

To use ISA this way requires three networks with three nics,... the External which would be irrelevant, and,...two different "internal" networks. The first Internal one is there by default,...you have to create the other one. Then setup a "routing relationship" between the two internal networks. Then create Access Rules to handle the traffic between the two internal networks.

I interpret what you are saying as that the ISA can't redirect traffic to a device that sits on the same interface/network that the traffic originally came from. Is this correct?

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In VMware, the ISA External Nic needs to be associated with the physical Nic that goes out to the "real world". The two Internal Nics have to be associated with two distinct "Virtual nics". All other machines in the "VM world" have to be associated with the same "virtual nic" corresponding to the particular Segment they are on,...only the ISA External nic is ever associated with the "real world". Your "real world" LAN becomes the "Internet" as far as ISA is concerned

I think you misunderstood my setup. The best way I can explain it to you is with the image I linked to in my original post.

I do not have a virtual ISA for instance. The ISA is a physical machine on the physical network that acts as the default gateway (firewall) for the physical network.

The ISA is irrelevant though as the setup still doesn't work even if I add a route to my client's local routing table that tells it to use 192.168.0.201 as a gateway for all traffic aimed at the 192.168.194.x network.

And as far as terminology goes — feel free to help me use the correct one. It would probably make life easier for all of us. ;)

— Martin

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