

Re: ISA in SBS2k Painfully Slow

Source:

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From: Andy Nestor (*ABNestor_at_BellSouth.net*)

Date: 03/09/04

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John,

I've considered this as well. However, the hub was in place before I implemented ISA and it wasn't a problem then so the hub can't be causing the problem. At some point I will probably recommend replacing the 24 port hub with a switch, but I don't think that will be the solution to this problem. It may be that ISA is generating much more "chatter" on the internal network and if so, this is the problem that needs to be resolved.

By the way, your configuration will work (having all the devices connected to a single switch). I've even seen this done with hubs! Unfortunately your DMZ ports (the LAN port on your router and the External NIC on your SBS server) are susceptible to broadcast storms on your LAN unless you have a VLAN configured on your switch.

Andy

"John" <john@dontreply.net> wrote in message news:Hp73c.44\$Nj.42@fed1read01...

> *You mentioned a Hub. I would think getting a Switch might improve*

> *performance. Are your cards 100Mbps or 10mbps?*

>

> *If you have a switch, is it managed or unmanaged?*

>

> *Your collision rate might be pretty high.*

>

> *Here is one of my setups where a cable line is involved,*

>

> *1. ISP Line connected to WAN port on external router*

> *2. External Router, via LAN port, connected to the switch*

> *3. SBS2K, both NICs, connected to the same switch*

> *4. All PCs connected to the same switch*

>

> *Don't have the sbs2k server connected to the LAN port of the router. Server*

> *is connected to the switch like a PC on the lan.*

>

> *John*

>

> *"Andy Nestor" <ABNestor@bellsouth.net> wrote in message*

> *news:003QxgUBEHA.916@tk2msftmgp13.phx.gbl...*

>> *I just enabled the ISA Server on an SBS2K server this past weekend. This*

> > upgrade also involved reconfiguring the network. Prior to the upgrade the
> > network was flat with the Default Gateway for all the computers being the
> > ISP's router and the SBS server had only one NIC enabled.
> >
> > When I upgraded, I installed ISA Server, enabled the 2nd NIC and connected
> > it to the LAN port on the router. The 1st NIC (and all of the client
> > computers) is connected to a 10 Mbps hub. Basically it is the "Two NICs,
> > a
> > static IP address, ISA, router" setup as recommended by
> > SmallBizServer.net.
> > I did remember to update the Local Address Table. The internal network is
> > 192.168.116.x/24 and the DMZ network is 192.168.1.x/24. I also installed
> > the firewall client and verified that IE was configured to use the proxy
> > server on all client computers.
> >
> > When I left my client's office on Saturday, everything seemed to be
> > working
> > fine (but then I was about the only one here). Today things seem to be
> > painfully slow. There also appear to be some problems with an application
> > that retrieves XML files from the internet.
> >
> > I have also observed extremely high utilization spikes on the internal
> > network (on the hub). My client is very frustrated (and so am I).
> >
> > Does anyone have any suggestions?
> >
> > Andy Nestor
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