

Re: ISA dropping Internet Gateway

Source: <http://www.tech-archive.net/Archive/ISA/microsoft.public.isa/2007-03/msg00111.html>

- *From:* "Lim Siew Yin" <limsyn.nospam@xxxxxxxxxx>
 - *Date:* Tue, 13 Mar 2007 10:49:56 +0800
-

Thank you for the info. I'll check that out.

However, to be honest, i dont really understand what you mean... *sweat drop*

(am a total noob regarding network.... *sob*)

But i'll try to check that out. And no, we're not using HP Proliant.

Its just a normal PC... i am suspecting this is a mistake... bcos our internet is very slow and sluggish now... *sigh*

Just for more info. Our network is just a simple setting,

Internet – Router – External NIC of Gateway – Gateway/ISA – Internal NIC of Gateway – Switch of Internal LAN – PCs inside LAN

(sorry as its not a technically correct diagram ... but i hope you get the idea)

To make things simple... Both External NIC and Internal NIC of gateway has FIXED IP.

The main purpose is to allow some form of monitoring as well as internal routing (actually, we have 3 separate internal LAN).

Thanks again for your time.

Limsy the noob ... obviously.

"Nick Domukhovsky" <ndomukhovsky@xxxxx> wrote in message news:e1HA49FZHHA.3268@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Lim Siew Yin ĐÉÛÂÔ:

hi ppl,

Since i don't know the correct term for my problem, i am reusing the subject

used previously in this newsgroup (Oct 2004).

This problem was raised in this newsgroup before but no solution was found.

(as in why it occurred and how to correct it)

Rather the result was a workaround which involves "repair" / "reset" the

Re: ISA dropping Internet Gateway

NIC.

I am hoping the reason(s) has since been found along with the proper correction.

Problem:

On an ISA server with 2 or more NIC. The external NIC (connected to a router with internet connection) keeps dying.

External NIC status shows CONNECTED with no error, however, if i tried to ping any external sites, I will get Timeout or destination host unreachable. Once i repair / "disable n enable" the NIC, the problem is solved ... temporary...

Previous posted temp solution for the above problem:

If I do an Ipconfig /registerdns thee gateway comes back. I have a program
I run every 60 seconds to ping the gateway, if the program gets no response,
it calls a batch file that performs an ipconfig /registerdns. This gets the
gateway back up. Not sure why it still drops occasionally, but this keeps it
going if it does.

Please help... Thank you for your time.

Limsy the noob... obviously.

I've encountered similar problem, when using ISA 2004 EE connected to trunc interface of the commutator. My opinion that it is caused by NIC's driver stack wich hasn't strictly defined dependencies between each driver. In our case we saw, that ISA server wasn't able to determine it's default gateway MAC. We saw on a span port, that outgoing frames wasn't properly tagged (in 802.1q terms), so ARP request wasn't get to DG. To determine that your problem is same to my, try arp -a command, when connection drops. I think that you should see something like

```
<Your DG IP> 00-00-00-00-00-00 Invalid
```

One way of resolving this problem – not to use some extensions to basic driver stack (like VLANs support from NIC's vendor, or teaming support). Another way – try to find how to set this strict dependencies between drivers (when I was encountered such a problem, I hadn't enough time to resolve it, and now I hadn't access to that problematic server :()

Re: ISA dropping Internet Gateway

By the way, are you using HP Proliant?

--

With best regards

Nickolay Domukhovsky, MCSA

.