

Is my routing table right?

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Hi

I'm running ISA Server 2000 (SP2) with Win 2K Server (SP4). This box is our LAN's gateway to the outside world from our internal LAN. It is pretty much a "bog standard" set up. The internal network card links to our internal network, and the external network card links to an ADSL router. The sole purpose of the box is a firewall, a proxy and an SMTP router.

My Internal LAN is set up OK, and I've configured my NIC's as per the recommendations. Functionally ISA is working fine as a proxy, clients are picking it up.

But there is a problem. It takes a very long time to ping or connect to anything on the internal network from the server (it looks like the connection waits for a timeout). I'm wondering if there is something wrong with my routing table (below)?

My hunch is that the default gateway could be getting in the way here. I didn't put it in, and neither NIC cards have this shown under Network and dialup connections TCP/IP properties. I can't seem to remove the gateway anyway. It got there by me putting in the persistent routing address of 0.0.0.0 which makes everything work, but somehow bungs in a default gateway setting (should this happen?).

Note the external NIC has the ISP's DNS addresses allocated. The internal network does not have a DNS allocated (I believe this is the recommendation with ISA?)

Does anybody know what I need to do here, and the syntax of the ROUTE command I need to make any alterations?

Could you please review the below routing table; for my peace of mind anyway?

Many thanks!

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Key:

[INT NIC] = Primary IP address allocated to the Internal NIC

[INT NIC2] = A secondary IP address allocated to the NIC

[EXT NIC] = Primary External network card IP address

[EXT NIC2] = Secondary External network card IP address (SMTP server)

[NW Address] = Network address (First IP Address allocated to me by my ISP)

X = Used to cover up any other sensitive info.

Active Routes:

Dest Netmask Gateway Interface Metric

0.0.0.0 0.0.0.0 [ROUTER IP] [EXT NIC] 1

[INT NIC] 255.255.255.0 [INT NIC] [INT NIC] 1

[INT NIC] 255.255.255.255 127.0.0.1 127.0.0.1 1

[INT NIC2] 255.255.255.255 127.0.0.1 127.0.0.1 1

X.255.255.255 255.255.255.255 [INT NIC] [INT NIC] 1

[NW Address] 255.255.255.248 [EXT NIC] [EXT NIC] 1

[EXT NIC] 255.255.255.255 127.0.0.1 127.0.0.1 1

[EXT NIC2] 255.255.255.255 127.0.0.1 127.0.0.1 1

X.255.255.255 255.255.255.255 [EXT NIC] [EXT NIC] 1

127.0.0.0 255.0.0.0 127.0.0.1 127.0.0.1 1

224.0.0.0 224.0.0.0 [INT NIC] [INT NIC] 1

224.0.0.0 224.0.0.0 [EXT NIC] [EXT NIC] 1

255.255.255.255 255.255.255.255 [EXT NIC] [EXT NIC] 1

Default Gateway: [ROUTER IP]

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Persistent Routes:

NW Address Netmask Gateway Metric

0.0.0.0 0.0.0.0 [ROUTER IP] 1

Many thanks again!

Alex