

Re: SBS R2 ISA2004 Dark Arts

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2007-08/msg03190.html>

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Marcus wrote:

I'm having problems. I've posted on the ISA TecNet and it's not helped (perhaps due to a SBS prejudice).

Some ISA experts do have very large anti-SBS chips on their shoulders.

My infrastructure is this.
SBS2003 R2 Premium in the back-end fire wall configuration.

SBS has no concept of "back-end firewall". It's the edge firewall, pure and simple. That you may layer another firewall in front of it is irrelevant to SBS.

Internal network
NIC IP is 10.0.32.1 and perimeter (internet facing) NIC IP is 192.168.1.2.
There is a front firewall which has a perimeter (intranet facing) NIC IP of 192.168.1.1. It has an external static (internet facing) NIC IP of W.X.Y.Z.
For the purposes of this discussion the front firewall is merely acting as a front router (as I have disabled all of its firewall functionality).

That's all fine. You just tell SBS that it's internal network is 10.0.32.x, and everything else is external.

I have installed SBS2003 R2 (and all service packs and WSUS updates).
I have configured the (non-ISA) Windows firewall, E-mail and remote working using CEICW.

So far, so good. Everything works. WSUS is fine. I get web pages (on the server and clients). E-mail is fine, including embedded images.

I install ISA2004 following the instructions exactly. I also downloaded and installed all of the service packs and WSUS updates, rebooting between each

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when prompted to do so.

It creates a proxy for IE clients. The proxy is also used by WSUS. However, I can't reach the internet from IE from the localhost or clients. WSUS fails to sync. E-mail arrives and goes out but I no longer get embedded images.

I look at the ISA Management Console policies and rules. It doesn't reflect the back-firewall configuration I have so I run the back-firewall template granting full access. Still no joy.

I manually set the Computer->Front Firewall to 192.168.1.1 and the perimeter network to be 192.168.1.0 to 192.168.1.254.

No, no, *no*. The CEICW sets up ISA just the way you need it for SBS. At this point, I'd start by deleting all the ISA rules, and rerun the CEICW. If that doesn't reset ISA, you may need to uninstall/reinstall to clear the bad configuration.

None of the template generated rules includes either the perimeter network or the front fire wall. IE, WSUS and embedded images still don't work.

I bought Tom Shinder's book. It doesn't cover SBS and hints that SBS is a bad idea (waste of money for me). I went to isaserver.org (following advice from the ISA Server TechNet) and read all five parts of his series on ISA and SBS, but I was waiting for parts 6 onwards which don't exist. Parts 1 to 5 were no help either.

Tom knows ISA very well, but his site has had no good SBS-specific content for a while. The articles he does have mostly apply to SBS2000 only.

I have visited every blog and site I can find and none tell me how to write rules or policies to get traffic out and back through the perimeter network and the front firewall.

You don't need to. The default SBS configuration does all you need to ISA. Beyond that, it's up to the other firewall.

I can't be the only person who has encountered this problem. How do I get out and back? Is there a site with examples of policies and rules which work in this configuration?

Finally, for clients which use the proxy, how do I ensure that the experimental changes I make via ISA Server Management Console are actually employed when I test from a client? Do I have to log off and on each time I make changes, or is there something else I can do?

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The ISA rules that will be applied are those in force at the time. IOW, as soon as you click the big Apply in the ISA console.

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Steve Foster [SBS MVP]

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