

microsoft.public.isa: Re: When do I choose for OUTBOUND or INBOUND in a protocol?

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From: Ori Yosefi [MSFT] (oriy_at_online.microsoft.com)

Date: 01/25/05

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Herm hi,

Regarding INBOUND and OUTBOUND.

The usual meaning of INBOUND is when you have a server in your "internal" network (or any other network for that matter), usually being NATed, that you want to expose to the world. In that case you would create a publishing rule (hence inbound) which would allocate a port on ISA's external network interface card, and would direct all received traffic to the "published server". Please note that the scenario I have described is only one scenario and the published server can be on other networks (including the localhost) and the scenario between the client's network and the server's network may also be route.

An OUTBOUND traffic is usually meant when you have a client application in the "internal" network (again, this is just an example – can be any other network) and you want to allow the client application access to the outside world (hence OUTBOUND). In this case you would create an access rule that would allow a specific traffic outside. In this case ISA does not have to allocate a port, it only has to pass the traffic sent from the client application to the outside server, as the server is usually not NATed.

In your example, if you want to allow access to a specific port on ISA itself, adding an access rule from the external network to the local host should work. If the rule doesn't work, I suggest that you check the logging information and see that the traffic indeed matches the policy rule that you have defined. If it does not, you can see in the logging which fields are mismatched.

Regarding the Firewall client, I'm not sure that I understand what you are trying to do.

Are you trying to "expose" an application running on your workstation to the outside world? This should be easily done by creating a protocol that defines the ports used by the application and then creating a publishing rule that would publish the application on your workstation. This would

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cause the ISA to listen on those ports and forward the traffic to your application.

If I have not answered your question, please tell me what I have misunderstood and I will try again.

Hope this helps,

Ori.

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Ori Yosefi[MSFT] ISA Server Team

"Herm" <mighty_herm@hotmail.com> wrote in message

news:%23ZiS5hiAFHA.3376@TK2MSFTNGP12.phx.gbl...

> Hi,

>

> Maybe this should be the first technologie to get familiar with, but

> somehow

> I lost the edge here...

> I am a beginner on ISA 2004 and try to figure this box out!

>

> I am a little confused with the terms OUTBOUND and INBOUND when I create a

> protocol. And also using the FW client is not clear to me (strange

> behaviour)...

>

> Example;

>

> Running Windows Server 2003 with ISA 2004 on the same box. Now I want

> allow

> an application using port 2004-2006 for example, to accept incoming

> traffic.. Must I setup INBOUND ports or OUTBOUND ports? The the Acces-Rule

> for the selected protocols should be from EXTERNAL to LOCAL HOST, isnt it?

>

> The second problem I have is how to get my workstation listening to this

> ports also. Cause the workstation runs the application. I asume installing

> the FW client is needed here?

>

> But somehow it still not works. The ports are open (tested with shields

> up!), The application on my worstation is assuming the external IP address

> is bound to the workstation. But still the analyzer detects a firewall!

> And

> the ports are denied in the ISA-loggin. I had it working 2 times now!

> meaning on a sudden moment without even look at the ISA (no changes) it

> worked. Restarting the application is enough to make it fail again.

>

> I am getting a bit frustrated here cause I hate when I dont see the light!

>

> Any suggestions ?

>

> Kind Regards,

> Herm

>

>

>

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