

Re: Back-to-Back Firewall Pix & ISA Server 2004

Source:

<http://www.tech-archive.net/Archive/ISA/microsoft.public.isa.configuration/2008-03/msg00017.html>

- *From:* "Phillip Windell" <philwindell@xxxxxxxxxxx>
 - *Date:* Tue, 11 Mar 2008 11:53:05 -0500
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You're pretty much doing it backwards.

The fast-packet-switching firewall (the PIX) should be on the outer-most side. This firewall runs faster because it has less to do.

The most security intense, authenticating, with the most decision-making firewall (ISA) should be toward the inner-most side. This firewall runs slower because it has a lot more to do.

—
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The views expressed, are my own and not those of my employer, or Microsoft, or anyone else associated with me, including my cats.

Understanding the ISA 2004 Access Rule Processing
http://www.isaserver.org/articles/ISA2004_AccessRules.html

Troubleshooting Client Authentication on Access Rules in ISA Server 2004
http://download.microsoft.com/download/9/1/8/918ed2d3-71d0-40ed-8e6d-fd6eeb6cfa07/ts_rules.doc

Microsoft Internet Security & Acceleration Server: Partners
<http://www.microsoft.com/isaserver/partners/default.mspx>

Microsoft ISA Server Partners: Partner Hardware Solutions
<http://www.microsoft.com/forefront/edgesecurity/partners/hardwarepartners.mspx>

"Habibalby" <hms__25@xxxxxxxxxxx> wrote in message
news:5E9125AC-1DD4-4C0E-AFCA-2D1CF3F8949E@xxxxxxxxxxxxxxxxxxx

Hi All,

I have implemented a Setup companion of Pix as a Back-end Firewall and ISA Server as a front-end Firewall.

Re: Back-to-Back Firewall Pix & ISA Server 2004

Pix has got the Public Interface static IP Address from ISP

Pix has got Internal IP Address 192.168.1.0 Network and Interface is assigned 192.168.1.1

No Access rules are defined in Pix, it means everything is allowed from the Network Behind Pix.

ISA has got two interfaces, External and Internal

External Interface has got an IP Address as part of the Internal Interface of Pix Firewall 192.168.1.50

Internal Interface has got an IP Address as part of the Corporate Network 128.104.30.12

All internal Clients has got the 128.104.30.12 as the default Gateway.

Internet is working fine, but the DNS is configured in the External Interface of ISA Server " Which is result in wrong Setup of ISA Server"

All the DNS query out to External should be done via the DNS Server which is located in the Corporate Network on 128.104.30.40. and this DNS Server is configured to forward DNS Queries to the ISP DNS Servers.

The internal Interface of ISA Server is configured with the Corporate Network DNS Server 128.104.30.40, it can nslookup, but when i query another external DNS Server from any clients it won't work. Also, from the DNS Server itself the NSLookup to external Domain it doesn't work.

I have the same setup Back-to-Back Firewall, with two ISA Servers and everything works great.

What is the problem with the pix Firewall then?

Any help or input please welcome