

Single-NIC configuration

Source: <http://www.tech-archive.net/Archive/ISA/microsoft.public.isaserver/2005-03/0229.html>

From: David King (*davidking_at_devnull.spamcop.net*)

Date: 03/15/05

Date: Tue, 15 Mar 2005 11:06:44 -0800

Hi, there, I seem to have some basic misunderstandings about ISA's purpose, functionality, name, rank, and serial number, so please correct me if I'm wrong.

We have a SonicWall firewall appliance that accepts our internet connection, performs NAT routing for the internal machines, and performs one-to-one NAT for six external IP addresses. He's a busy guy.

Since we will eventually need to perform more than six services, we'd like to start forwarding ports instead of using one-to-one NAT for those services. Doing this using the SonicWall is fine, but I'd like to leverage ISA server, since it gives some finer controls over that.

So basically I'd like to place a machine (the ISA server) in the DMZ of the SonicWall, and assign that DMZ an outside IP address. Then it would pick up requests for, say, port 143, and pass that off to the internal network. If I'm not mistaken, ISA calls this "Server Publishing," and only supports this in a multiple-NIC environment, where it is actually performing the routing instead of the SonicWall. Am I wrong?

A caching proxy server would also be nice, and according to the literature I've seen, is the only supported purpose for a single-NIC'd ISA server. Is this accurate?

Would it be possible to go ahead and give the ISA server two NICs, attach them to the same switch, and place that switch in the DMZ of the SonicWall, and then have it perform routing for these ports? Would this serve any purpose? Does this offer any immediately visible drawbacks?

Thank you for any input.

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David King
ISA far-from-expert