

Re: MS EXchange behind NAT

Source:

<http://www.tech-archive.net/Archive/Exchange/microsoft.public.exchange.design/2005-08/msg00094.html>

- *From:* "Bharat Suneja" <bharatsuneja@xxxxxxxxxxx>
 - *Date:* Wed, 31 Aug 2005 07:22:17 -0700
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Replies inline.

Bharat Suneja
MCSE, MCT

"Tekno" <Tekno@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:4CC32186-20C6-423B-B4CC-9ECF4119E6CE@xxxxxxxxxxxxxxxxxxxx

- > Thank you very much for very useful your quick answer.
- > I need more help please.
- > Here is my situation:
- > I work for a small companies with 50-70 users, with only one Linux server
- > for the business application, and one Windows Server 2003 as a Domain
- > Controller, file server, DNS, and internal hosting only. We may add one
- > more
- > server as an Exchange server if we have to.
- >
- > Some question regarding your 4 options:
- >
- > "Bharat Suneja" wrote:
- >
- >> Depends on your environment/security policy and concerns, and what you're
- >> trying to accomplish.
- >>
- >> You can:
- >> 1) open smtp on your firewall to internal Exchange. Most people are not
- >> comfortable with that, though small companies typically end up doing
- >> this.
- >
- > Open smtp on my firewall to internal exchange, does that mean open all
- > ports
- > need by exchange? and use private ip for the exchange server?
- no, only smtp port 25 from internet to exchange server on internal
- network. exchange sits on the internal network, so yes, pvt ip for exchange.
- once again, not a very secure solution, but something small companies
- frequently end up doing.

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>> 2) Use a non-Exchange/non-domain member or linux/unit smtp box as smtp gateway in your dmz, open smtp from Internet to that box in dmz, open smtp from that particular box only to internal exchange bridgehead/mailbox server. Very common.

>
> Is this secure solution than the other? Do I need to add antispam and anti virus in that linux smtp box? What critical things do I need for this set up?

— certainly more secure than #1. Don't *need* to add antispam and antivirus to the gateway (linux or windows) smtp box, but it helps stop a lot of spam and viruses from entering your network at all.

>
>> 3) Use ISA.
>
> How I suppose to set up the ISA configuration. Behind Router firewall, can I set up the ISA setup in the same box with the Exchange server and make the exchange server in a DMZ zone?

— ISA would be dual-homed. Don't recommend setting up ISA on same box as Exchange. (For a good small business solution check out SBS 2003).

>
>> 4) Use a hosted smtp service that does antispam/antivirus, allow only their ip addresses to smtp to a dmz host, allow only dmz host to smtp to exchange

>>
> Is this # 4 option the best solution for me for security and easy to configure?

— Not very difficult, and perhaps more secure because the service provider's smtp is exposed to the internet, and saves you the trouble of setting up a smtp gateway in a dmz, and dealing with antispam and security issues. The only issue here is recurring monthly cost.

>
>
>> You do not want to put an Exchange box in the dmz – will need to open a lot of ports to talk to dcs/gcs/other exchange boxes. Typically Exchange is set up on the internal network.

>>
>> --
>> Bharat Suneja
>> MCSE, MCT

>
>
> Once again thank you very much for your help.
>

> Tekno Budi

>

>

>

>> -----

>>

>> "Tekno" <Tekno@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

>> news:6FB6A421-1D7A-4BE5-B347-3AE05BAADF7C@xxxxxxxxxxxxxxxxxxxx

>> > Can I setup my MS exchange server2003 behind NAT? Or should I put it in

>> > DMZ

>> > zone? If I can use NAT without putting in DMZ, it will only work for

>> > internal

>> > email, won't it?

>> >

>> > Thanks.

>> > Tekno

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>>

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• **References:**

◆ **MS EXchange behind NAT**

◇ From: Tekno

◆ **Re: MS EXchange behind NAT**

◇ From: Bharat Suneja

◆ **Re: MS EXchange behind NAT**

◇ From: Tekno

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