

Re: Opening/Forwarding Ports in ICS

Source:

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.networking/2004-06/1064.html>

From: Dreamlax (*dreamlax_at_phreaker.nz*)

Date: 06/15/04

Date: Tue, 15 Jun 2004 00:25:18 -0700

>-----Original Message-----

>

> "DreamlaX" <*dreamlax@phreaker.net*> wrote in message

> news:*1bb2e01c4505b\$979ab100\$a001280a@phx.gbl...*

>> *Hi,*

>>

>> *I've set up ICS on Win2k Pro, with only one client*

>> *(Linux). The client and the server can both access the*

>> *internet well enough.*

>>

>> *However, since I've enabled ICS, I've noticed that*

nobody

>> *can connect to me (on the Win2k Pro machine) through*

ports

>> *6881-6889 (BitTorrent ports). Actually, nobody can*

connect

>> *to me through any port. It can make the outgoing*

>> *connection on port 6969 to the BT tracker, but when it*

>> *listens on ports 6881 through 6889 it gets nothing,*

when I

>> *know it should.*

>>

>> *I went into the ICS setup and added BitTorrent to the*

>> *applications list, saying remote server port is 6969*

(this

>> *is the default port of the BT tracker), but the incoming*

>> *connections don't come from the tracker, they come from*

>> *other IP addresses, so putting ports 6881 to 6889 in the*

>> *incoming section won't do anything.*

>>

>> *So I added 6 ports under Services (listed as 6 different*

>> *services), 6881 to 6886, and set the address of the*

server

>> *to 192.168.0.1, which is the IP of the internet sharer,*

>> *i.e. my machine.*

>>

>> *Still, though, BitTorrent can't seem to hear anything*
>> *coming through those ports.*
>>
>> *Any ideas?*
>
>*I'm intrigued why you didn't use the Linux box as the*
gateway, I would have,
>*it would be much better for your needs ...*
>
>*Anyway...*
>
>*Change it to one rule covering the range of ports*
required, you might need
>*to a second identical rule for UDP (depends on*
application requirements)...
>
>*Keep things nice and simple by opening the same ports*
used internally by the
>*application to the outside...*
>
>*Having applied the config, check the XP box can still*
access the ports on
>*the Linux box, then try it from the outside world. A*
simple test is to
>*telnet to the port required, you'll probably not see any*
data, but if you
>*connect you know the port forwarding is working...*
>
>_
>*Matt*
>
>
>
>.
>

Hi Matt,

Thanks for your reply.

Well, I didn't use the Linux box because it didn't always have Linux on it, it used to be Windows serving Windows. In the end I am going to have three machines, two running Linux, one being a router/firewall (probably going to run SmoothWall), and the Windows machine.

But in the mean time I would really like to have this working.

I can't add them as a range (to the Services), it only takes one port for input, that's why I added several. Basically, BitTorrent works like this:

1. You connect to a tracker through port 6969, using TCP.
2. BT gives the tracker all your details, IP address, what parts of the download you already have and so on.
3. The tracker gives that information to the other clients connected to it.
4. When a client sees that you have a piece of the downloaded file that it doesn't have, it attempts to upload a piece that you don't have first, so that you return the favour after. However, these pieces come in through 6881 and 6899 using TCP.

It connects to the tracker fine, but because ports 6881 through 6899 aren't open, none of the other clients can get through. I can connect to other people well, and upload, but it would be nice if they could return the favour!

There is a web site that does a port scan if you give it a range, and it will say if it got a response or not, but it ALWAYS says it never gets a response. <http://www.grc.com/>.

Any further ideas?

Cheers,
Dave.