

Re: sharing a firewall?

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2004-08/3354.html

From: Liz Murphy (*LizMurphy_at_discussions.microsoft.com*)

Date: 08/22/04

Date: Sun, 22 Aug 2004 14:49:02 -0700

Norman thank you for the thorough and thoughtful response!

I did repost this message on the XP networking net board with a different title "firewall sharing/basic networking?", thank you for cross-posting it as well, I'll subscribe to that thread, too.

Your reply includes the answers I've been looking for, specific and concise.

I guess this was the right board after all. LOL

Thanks again, and if I have any questions about your reply, I know where to come.

*off to google a translation of your signature...

Liz

"N. Miller" wrote:

> *In article <FF94B027-055B-41A8-A8CA-35D2DDB0147C@microsoft.com>, =?Utf-8?B?*

> *TG16IE11cnBoeQ==?= says...*

>

> *In your follow up post you apologized for getting this sent to the wrong*

> *group. I have, hopefully, fixed that by a cross post with follow up to set.*

> *There were three networking groups to choose from; but I selected the*

> *Windows XP group because that is the computer you are considering running*

> *ICS on.*

>

> > *I have an xp pro that I want to network with two 98s and a 95 computer at*

> > *home, so we can all share one dial-up connection. (so the kids can access the*

> > *internet without tying up my work computer)*

> > *the xp has an ethernet card, and we use dial-up*

> > *I am new to networking and have some basic questions:*

> > *(I don't even know the terminology for networking, so please be patient.)*

>

> > *If I use the xp pro as the host computer, can I configure the other*

> > *computers to access the internet through it's firewall, or does each computer*

> > *have to run it's own firewall app?*

>

> *Use a firewall application on each computer. If you use the XP as a host,*

> *you will wire an Ethernet adapter on the XP to a hub, or a switch. The*

> *prices are about the same, and the switch should provide better performance.*

> *You will have to set up ICS, sharing the modem adapter with the LAN.*

- >
- > *Also, if you enable "File and printer sharing for Microsoft Networks" on the*
- > *XP, only bind it to the Ethernet adapter; do not bind "Client for Microsoft*
- > *Networks" or "File and printer sharing for Microsoft Networks" to the modem!*
- > *If you need more detail, just ask.*
- >
- >> *or do I have to buy a router with it's own firewall?*
- >> *do they even work on dial-up connections?*
- >
- > *There are a few out there; I think D-Link has one. One of the pricier*
- > *Netgear wireless firewall/routers appears to have one (FWG114P; would that*
- > *they had done that on the FR114P!). And the SMC Barricade 7004ABR. It is the*
- > *successor to the SMC Barricade 7004BR, which I used for two years; the*
- > *difference seems to be that the BR has to be manually switched to dial-up*
- > *mode while the ABR can be set to automatically switch in a 'fail-over' mode.*
- > *Only a factor for people with HSI connections. You could just configure it*
- > *to use a modem in your circumstance.*
- >
- >> *if I do that, do I have to disable my xp's onboard trend firewall?*
- >
- > *If you are going to run a third party software firewall application,*
- > *disabling ICF might be a good idea; or not. I haven't played with such a*
- > *combination, so I don't know what kind of conflicts that might cause.*
- >
- >> *Does anyone know a link to a site which could help me determine what*
- >> *hardware (cords, adapters, switches-whatever) I will need to buy to create a*
- >> *network?*
- >
- > <http://www.broadbandreports.com/>
- > <http://www.practicallynetworked.com/>
- >
- >> *I'm hoping for maybe a vendor site where I can input what I want to do and*
- >> *it will try to sell me the required hardware.*
- >
- > *For the SMC Barricade 7004BR:*
- > <http://www.smc.com/> {First time visit should let you pick a region.}
- >
- > *For the D-Link DI-707:*
- > <http://www.dlink.com/products/?pid=64> {DI-707; has an RS-232 port.}
- >
- > *For the Netgear FWG114P:*
- > http://www.netgear.com/products/prod_details.php?prodID=220&view=
- >
- > *The SMC link will let you pick the region of the world where you are; I*
- > *didn't take you directly to the Barricade 7004ABR because I don't know if it*
- > *would jump there after asking for your region. Navigating to that product*
- > *shouldn't be hard. The other two products have a DB-9 RS-232 port, according*
- > *to the product descriptions; but the 7 port switch (D-Link) and wireless*
- > *router (Netgear) probably make them a bit higher in price than the SMC*
- > *Barricade 7004ABR. You will have to visit each site and make your own*
- > *comparison. Maybe a Google search on "dial-up router" might turn up others.*

- > Or try "Asante"; they are an OEM source for the 7004BR, and maybe the
- > 7004ABR as well.
- >
- > I've used the SMC Barricade 7004BR (not the ABR; which is newer, and a
- > replacement), and the Netgear FR114P (which is not wireless, and does not
- > have the RS-232 port, alas; but is otherwise identical, and a very nice unit
- > with Stateful Packet Inspection (SPI) filters); both were easy to configure,
- > and afford better than average options of most routers.
- >
- >> does each of the non-host computers have to have a network card?
- >> or can they be networked through their modems with a phone line to the xp's
- >> ethernet card?
- >
- > Phoneline networking exists, but I don't know what equipment is required for
- > PN-to-Ethernet conversion. Ethernet network adapters are cheap enough, and
- > it would be easier to add them and a switch. If you actually decide to
- > spring for one of those routers I mentioned, they have the RJ-45 ports to
- > link up at least four computers (the D-Link will link up at least seven
- > computers). If you need more ports than those devices have, you just add a
- > switch; use a CAT 5 patch cord from one of the router ports to the uplink
- > port of the switch.
- >
- >> when we convert to cable or dsl will I have to buy a whole new set of
- >> networking cords and adapters to upgrade the dial-up sharing to cable/dsl?
- >
- > Not for the Ethernet adapters in each computer; those are the same
- > regardless of the means of connecting to the Internet. If you obtain one of
- > the routers I listed, the ones with the RS-232 port for a modem connection,
- > the switch to HSI is just a switch from a serial cable between the router
- > and the dial-up modem to a CAT 5 patch cord from the router to the cable/dsl
- > modem. No new equipment at all.
- >
- > If you used ICS on the XP, you would disable ICS, and add a router; wiring
- > all computers to the new router. If you used a switch with ICS first, the
- > switch becomes an excess piece of equipment; unless you exceed the port
- > capacity of the router. If you find one of the three routers with dial-up
- > support worth the cost, it would be smart to pick one of those. In that way,
- > you get to share your dial-up connection right now; and have nothing extra,
- > but the cable/DSL modem, when you switch to HSI. The Netgear has the
- > advantage of wireless connections, if you don't want to pull CAT 5
- > throughout your house.
- >
- >> from what I've read, I assume I have to create the entire network before
- >> enabling internet connection sharing, is this the only way to do it, or can
- >> I add one or two computers initially, then add the others later without too
- >> many glitches/reconfigurations?
- >
- > You would only need to set up ICS once, and only if you don't want to spring
- > for one of those dial-up supporting routers. You should be able to add
- > additional computers without doing anything to the ICS computer; it should
- > pick up the new computers without a hitch. Configuring the new computer

> *properly can always be an adventure, though; even with a router instead of*
> *ICS.*
>
> > *any comments, suggestions or links would be appreciated*
>
> *I hope that you can find something useful in my comments. Personally, I*
> *would go with a router that has dial-up modem support if I were at the point*
> *that you are. Especially if you plan to upgrade to HSI any time soon. You*
> *will have the equipment, except for the cable/DSL modem, already at hand.*
>
> --
> *Norman*
> *~Win dain a lotica, En vai tu ri, Si lo ta*
> *~Fin dein a loluca, En dragu a sei lain*
> *~Vi fa-ru les shutai am, En riga-lint*
>