

Re: home network multihoming (newbie)

Source:

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From: Jeff Cochran (jeff.nospam_at_zina.com)

Date: 09/19/04

Date: Sun, 19 Sep 2004 04:37:10 GMT

On Sat, 18 Sep 2004 11:09:06 -0700, "Down Mountain"
<godownfaster.com.yahoo@fixthisup.too> wrote:

>I need some help getting starting with this. Here's my
>goal: I want to use one of my computers as a file server
>on my home network. This computer (A) has ATA RAID. I'm
>going to install a 2nd NIC in it -- gigabit.

>

>I have another (faster CPU) computer that I use for my
>work. This computer (B) has 2 NICs already, and one is
>gigabit. I want to connect B and A over gigabit (probably
>using a crossover cable) so that when B needs to use A as
>a file server, it is really fast. I'm hoping file access
>will be almost as fast as local disks.

>

>The part I don't understand yet is how to define the
>required routing info

There is no routing info. You won't be routing. The second NIC gets an IP in a different subnet (you used x's in your network addresses so I can't tell you a good one to use), as does the system connected to it. They use that to communicate.

Better though would be to leave the network as is, skip the gigabit card and network them the same way you do now. You won't notice a speed difference in your situation. If you really want the speed, you'll need to have gigabit cards on both sides, and you might as well change to a gigabit switch and plug everything in. those with gigabit will communicate at the higher speeds.

Jeff

> -- because I already have a LAN set
>up and these 2 computers are on it along with several
>more computers, a wireless access point, printers, etc.
>All computers on the LAN (including A and B) have
>internet access via a cable modem. Currently, everything

>works perfectly. The network has no problems that I know
>of.
>
>The basic existing setup is like this:
>
>My cable modem connects to a Netgear FVS-318 which is a
>firewall/router/DHCP server. It is at 192.168.x.251. It
>also acts as the default gateway and DNS server.
>
>Behind this firewall/router is a 24 port 10-100 switch.
>All computers connect to the switch. All are given IP
>addresses via the FVS-318 DHCP server. The addresses are
>in the range of 192.168.x.x with a subnet mask of
>255.255.255.0. Obviously, this is all standard stuff. I
>basically don't have to make any special settings at all
>to put a computer on my home network.
>
>As I said, A and B are on this network and can connect to
>the internet (as well as any computer on the LAN).
>
>My goal is to let A also function as a file server
>because it has such a nice RAID setup with mirroring and
>a lot of free space. I want computer B to connect to A
>over gigabit for most of its file access. For now I'll
>probably use a direct crossover cable connection between
>A and B. A is running Win2K Pro. B is running XP Pro.
>
>I do not know anything about adding routes, defining
>default gateways, etc. I barely know which utilities to
>use to look at windows network settings.
>
>If anyone can give me some directions I will be most
>appreciative. The more detailed, the better, obviously,
>because I haven't done any routing stuff before.
>
>Thanks!
>Mountain
>Email = x@yahoo.com
>
>Where x is "godownfaster" (as in 'down the mountain')