

Re: Network Topology

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- *From:* Chuck <none@xxxxxxxxxxx>
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On Thu, 19 Oct 2006 21:27:43 -0500, "Harkhof" <hark@xxxxxxxx> wrote:

I have what I suppose is a fairly elementary question. I have a network with 3 PCs. I have a cable modem connected to a Linksys BEFSR41 4 port router. Out of port 1, I have a cable going to a netgear gigabit network switch, to which I have the 3 PCs connected. One is in a different room.

I want to add another PC in the 'different room'. My questions are:

- 1) Does the fact that I have the Netgear switch connected to the #1 port on the router instead of the uplink impact network performance in any way?
- 2) Rather than run another network cable to the 'different room', can I just plug the existing cable into a port on the netgear switch and add another gigabit switch in the 'different room' and run both computers off of the new switch?

Thanks in advance,
Hark

Hark,

1) The "Uplink" port on a router is typically a straight-thru port to allow it to connect to another router. If it works, then it won't damage performance. The ports on the switches are probably auto-MDIX, which means they work with either a cross-over or straight-thru port at the other end of the cable.

2) You can indeed connect the 2 computers in the other room with a GB switch. You'll probably get GB performance between them; depending upon what cables you are using, you may or may not get the same between that room and the computers in the room with the router. You won't get GB performance with anything connected to the router.

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Cheers,
Chuck, MS-MVP [Windows – Networking]

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<http://nitecruzr.blogspot.com/>

Paranoia is not a problem, when it's a normal response from experience.

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