

Re: Using two DSL modems

Source: <http://linux.derkeiler.com/Newsgroups/comp.os.linux.networking/2004-11/0521.html>

From: Tauno Voipio (*tauno.voipio_at_iki.fi.NOSPAM.invalid*)

Date: 11/14/04

Date: Sun, 14 Nov 2004 21:00:01 GMT

James S. Singleton wrote:

- > *I have a DSL line at home, and five IP addresses reserved for me. I am*
- > *currently using only one IP address, but I have the need to start using at*
- > *least another. At the same time, I would like to have network access from*
- > *two different rooms at home.*
- >
- > *I am aware that I could do this with a home LAN and a PC with two NICs,*
- > *but that's not what I want. What I want to know is, would it be possible*
- > *for me to have a PC connected to a DSL modem A, with IP address I1, and*
- > *another PC connected to a DSL modem B, with IP address I2? The DSL line is*
- > *the same in both cases.*
- >
- > *My feeling is that this can't be done, but I wonder if someone with far*
- > *better savvy than me could give me feedback?*
- >

For two DSL modems you'll need two telephone lines. A DSL connection will use all the capacity there is in the line (outside the normal speech band).

Depending on the modem setup (bridged, routing, NAT) you may succeed in branching the Ethernet line coming out of the modem with a switch / hub.

You do not have an internal modem – I hope. With an internal modem the only way is to route or NAT the network from the computer with the modem.

Many external modems do have a multi-port Ethernet connection (switch / hub). They usually also know to branch even a single IP address to multiple computers at the local network.

The routed network is easier to firewall than multiple computers with direct connections to the Net. Please do not attempt to run a DSL connection without a firewall, especially if there are any Microsoft operating systems in the network. The active content creeping from the Net is fast – a freshly installed Windows 2000 was broken in in the time it took to load the

comp.os.linux.networking: Re: Using two DSL modems

service pack from the Microsoft site.

HTH

--

Tauno Voipio
tauno voipio (at) iki fi