

## Re: sharing DSL

**Source:** <http://linux.derkeiler.com/Newsgroups/comp.os.linux.networking/2005-10/0643.html>

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**From:** CJT ([abujleh\\_c\\_at\\_prodigy.net](mailto:abujleh_c_at_prodigy.net))

**Date:** 10/25/05

Date: Tue, 25 Oct 2005 00:25:55 GMT

Joe R wrote:

> *On Mon, 24 Oct 2005 17:24:20 GMT, CJT wrote:*

>

>>*Joe R wrote:*

>>

>>>*On Sun, 23 Oct 2005 05:37:35 GMT, CJT wrote:*

>>>

>>>

>>>>*Joe R wrote:*

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>>>>

>>>>

>>>>>*I just hooked a Westell 327W to access my new Verizon DSL service. I can*

>>>>>*start the DSL connection from my Linux box using an ethernet connection or*

>>>>>

>>>>>*from my iBook using its built in wireless. No problems here.*

>>>>>

>>>>>>*But... If I start the DSL connection from the Linux box the iBook can't*

>>>>>>*see the net or if the DSL connection is made from the iBook the Linux box*

>>>>>>*can't see the net. What's up?*

>>>>>>

>>>>>>

>>>>>

>>>>>*Does the Westell include a router function? If not, you need a router*

>>>>>*(or, if you prefer, a change in configuration so one of your other*

>>>>>*machines acts as router). If the Westell already has a router, it's*

>>>>>*misconfigured. Since you gave no details, there's no way to tell what*

>>>>>*the problem might be.*

>>>>>

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>>>>

>>>>*Yes, it's a modem/router. My old network was simple, jjust a dumb hub this*

>>>>*thing has me confused. Yes, I have the manual but don't understand most of*

>>>>*it.*

>>>>

>>>>*BTW, the 327W is configure by pointing a browser to 192.168.1.1 but my*

>>>>*linux box and XP are refused connection but my iBook gets through and I've*

>>>>*been using that to configure the 327W.*

>>>  
>>>*thanks,*  
>>>*joe*  
>>>  
>>  
>>*First, make sure your IP addresses and netmasks are set appropriately*  
>>*(i.e. either via DHCP or fixed with unique addresses in the subnet*  
>>*specified by the netmasks which are set all the same; e.g. 192.168.1.2,*  
>>*3, and 4 with netmask 255.255.255.0). Then you should be able to ping*  
>>*each box from the other, and connect to the router from anywhere (unless*  
>>*it's configured to only respond to certain IP or MAC addresses).*  
>>  
>>*At that point, with the 327W's manual at your side, you should be able*  
>>*to set it up to do NAT in conjunction with routing; not much else is*  
>>*likely to be needed -- nothing fancy.*  
>>  
>  
>  
>  
> *I set up the iBook to use DHCP and now I get:*  
>  
> *IP Address: 192.168.1.46*  
> *Subnet Mask: 255.255.255.0*  
> *Router: 192.168.1.1*  
>  
>  
> *From /var/log/syslog the Linux box is at IPA 71.246.66.132*  
>  
> *The iBook can ping the 327W but not the Linux box.*  
>  
> *When I installed DSL on the Linux box I used the Mandrake tools and may be*  
> *using PPPoE, is that my problem? Can you walk me through staighting it*  
> *out?*

Yes, that's your problem. Your router is already doing PPPoE. You should have a local address (i.e. 192.168.1.n) on your Linux box.

>  
> *Thanks,*  
> *Joe*  
>  
> <http://users.erols.com/jringer3/astro1.htm>

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The e-mail address in our reply-to line is reversed in an attempt to minimize spam. Our true address is of the form che...@prodigy.net.