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Frontier Bridge Mode Setup



by lightnin93

on Oct 13, 2016 at 1:48 PM

Solved General Networking

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I have a Frontier Branded Netgear Model: D2200D-1FRNAS modem/router. I need to get it in Bridge mode so I can use my Firewall to route the traffice. I have an Exchange Server, MS VPN, and 3CX server.

I'm using Charter Cable as my main internet connection and it's working fine right now.

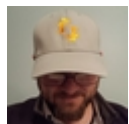
Setting up Frontier as the backup internet. I called Frontier support and the main number is a bunch of untrained people. They tell me I have to pay for Premium Security services to get the higher end support people to help me configure the modem the way it needs.

This is really weak to me since the DSL connection is worthless to me in the default configuration. I'm not only paying for service I also have to pay extra to get support for a one time configuration so I can actually use what I'm paying for. It feels like I'm buying a car without tires and that I need to pay extra for the tires.. Rant over.

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Best Answer



Habanero

CrashFF 

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Oct 13, 2016 at 3:10 PM

General Networking expert

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from what I could dig up, the firmware and configuration for the older 7550 and the D2200D are supposed to be the same, or at least very similar.

For the 7550, these were the instructions:

Open your web browser and log into the router. The default address is 192.168.254.254. The default user ID is admin and the default password is either admin or password. Once you have logged into the route click on My Connected Home > Network Connections > Broadband (DSL) > PPPoE (edit)>VC1 Configuration click on the down arrow where Protocol is listed and select Bridge, click Apply. You have now placed the router in bridge mode.

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Fast Answers!



Cayenne

Mark6597 Oct 26, 2016

I'm going to update my original post above, but I was able to (finally) resolve the issue and wanted to share the solution. Thanks to some Internet searching, I learned of some settings in the Frontier/Netgear DSL modem/routers that is (as far as I can tell) designed to aid in forwarding various services through the router/firewall. From there, I was able to track it to the "ALG" setting in the Port Forwarding area of the modem/router firmware. Here's what I did:

1. Login to the DSL modem/router via the web interface
2. Click on "Advanced" at the top menu
3. Click on "ALG" under the section to the left denoted by the red toolbox icon
4. Remove the checkmark for IPSec and click "Apply"
5. Reboot the modem/router

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Tabasco

Tom2338 Nov 15, 2015

After doing this, I was able to successfully connect using the Cisco VPN Client software- hope this helps the next poor soul that runs into this! Hopefully it will save you that many hours over many days of troubleshooting it took me...

EDIT: Additional note, my home DSL router/modem is a Netgear 7550 model, while it appears that both of the employees were issued the (presumably newer) Netgear D2200D model. The VPN seemed to pass through the 7550 model without an issue, so this may be an issue that's model specific. We have Frontier at home and dealt with horrible speeds over the past few days. The most annoying thing is that they "update" settings and prompt for reboots between 4pm and 8pm. WTF! I complained about it and asked why they don't do system upgrades in the early morning hours. Of course, no response.

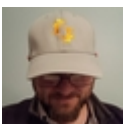
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Best Answer



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Anaheim

lightnin93 Oct 13, 2016 at 4:07 PM

That is right. I think I had a quirky modem/router. The WAN Gateway changed on me a few times which seems odd to me. I had tried Factory Resets and reboots after making configuration changes. I was ready to give up on bridge mode so I tried to setup a DMZ to my firewall which didn't get the job done. I decided to try the Bridge mode one more time before taking a break from it. I configured it for Bridge mode and the Firewall connected and worked. I don't know that I did any one thing to make it work. I'm going to do a setup instructions from what I learned and post it.

Thank you so much for your reply. I was feeling pretty lost for a while. I spent close to 7 hours researching, trying, and pushing support for help which they weren't.



Anaheim

lightnin93 Oct 14, 2016 at 1:45 PM

Here are the settings I used to get it working. Watch the Gateway and subnet mask. I had it change on me after power cycles and/or factory reset. The last thing I changed was added my firewall to the DMZ. After that I tried the Bridge mode again and it worked. I doubt it had anything to do with it, just coincidence but I thought I'd mention it. See the PDF with screen shots of what I have setup.



Frontier - DSL Settings - Spiceworks.pdf (2.92 MB)



Pimiento

StreamLAN Apr 10, 2017 at 12:00 PM

Lightnin93,

I just wanted to chime in here, I read your DSL settings and I've got the Frontier branded Netgear 2200D working with our PFSense firewall.

We weren't assigned a PPPoE username and password apparently, so all I did was change the circuit to Bridged, and assigned PFSense our static and we started routing packets.

Thanks!

P.S. I can't wait till another CLEC that knows what their doing arrives!

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