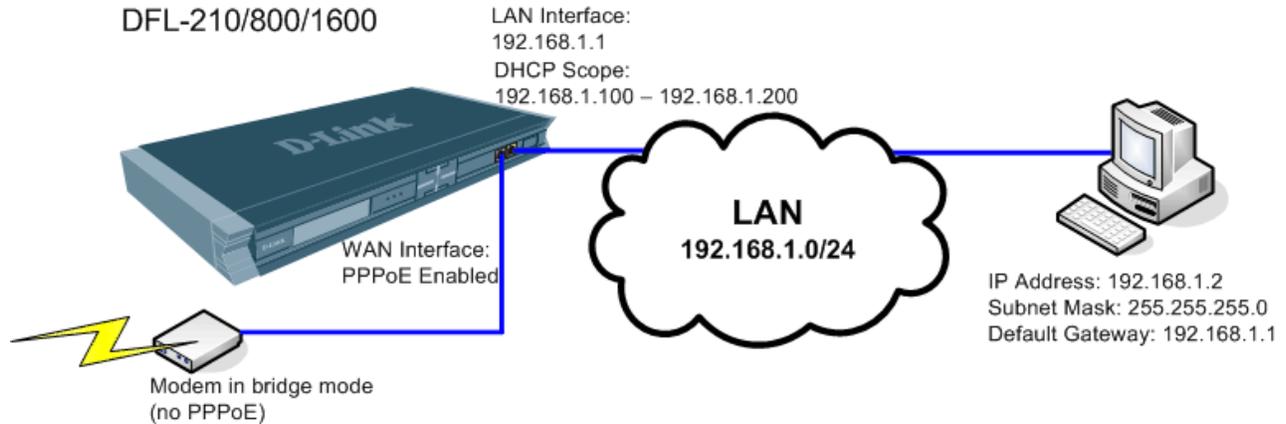


## DFL-210, DFL-800, DFL-1600 How To Setup The Firewall For Internet Access *Example: PPPoE With NAT Enabled*

This setup example uses the following network settings:



Please note that you only need to enable PPPoE on your firewall if your other devices (modem or router) do not have PPPoE enabled. It is quite common that modems have PPPoE built-in and in this case the WAN port of the firewall should be set with either Dynamic IP or Static IP option. If your modem/router is in bridge mode and does not have PPPoE enabled, in this case you can enable PPPoE on your firewall.

**Step 1.** Log into the Firewall by opening Internet Explorer and typing the LAN address of the Firewall. In our example we are using 192.168.1.1 (default IP address). Enter Username and Password which you specified during the initial setup of the Firewall.

**Step 2.** In the menu on the left side of the screen select Interfaces > PPPoE Tunnels. Click on Add > PPPoE Tunnel.

**Step 3.** In the Name field type the name you want to give to this tunnel. Under Physical Interface select WAN. Under Remote Network: "all-nets". Under Service Name you can specify the name of your ISP. In the Authentication section specify the username as required by your ISP (most common format is the account e-mail address, e.g. username@ispname.com.au. Bigpond ADSL may require shorter version: username@bigpond). Specify the password assigned for your account by the ISP.

The screenshot shows the D-Link web interface for configuring a wan\_PPpoe interface. The interface is titled "wan\_PPpoe" and has four tabs: General, Authentication, Dial-on-demand, and Advanced. The General tab is selected and contains the following fields:

- Name: wan\_PPpoe
- Physical Interface: wan
- Remote Network: all-nets
- Service Name: Internet\_Provider

The Authentication tab contains the following fields:

- Username: username@isp.com.au
- Password: [Redacted]
- Confirm Password: [Redacted]

The Comments tab contains a text area with the following text:

Comments: PPpoe connection to the Internet Provider via a modem in Bridge Mode

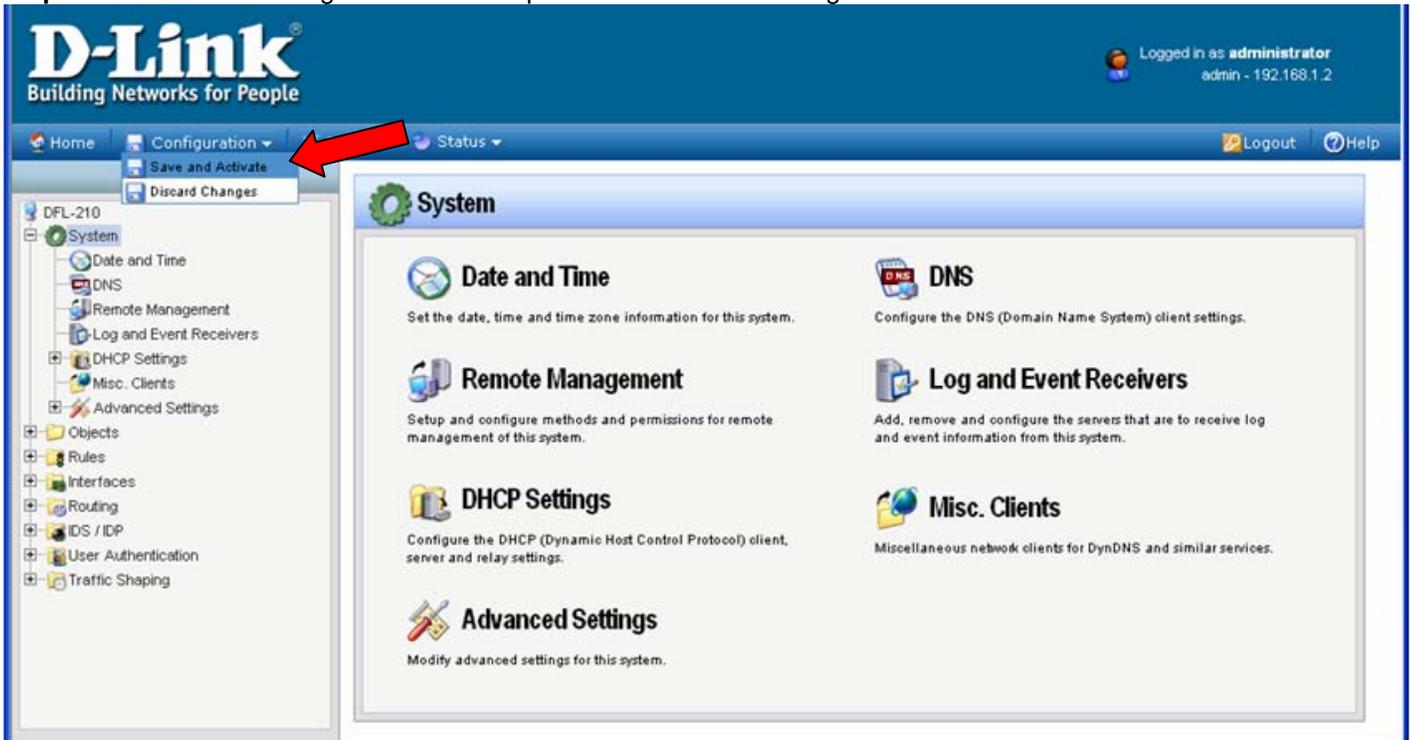
The interface also has a left sidebar with a tree view showing the configuration structure, including System, Objects, Rules, Interfaces, and Routing. The top navigation bar includes Home, Configuration, Tools, Status, Logout, and Help. The top right corner shows the user is logged in as administrator (admin - 192.168.1.2).

**Step 4.** Go to Rules > IP Rules > lan\_to\_wan and verify that you have NAT rule there which allows traffic from LAN to WAN. The rule should have NAT selected as Action, services should be set to "all\_services". LAN interface should be selected as source and WAN as destination.

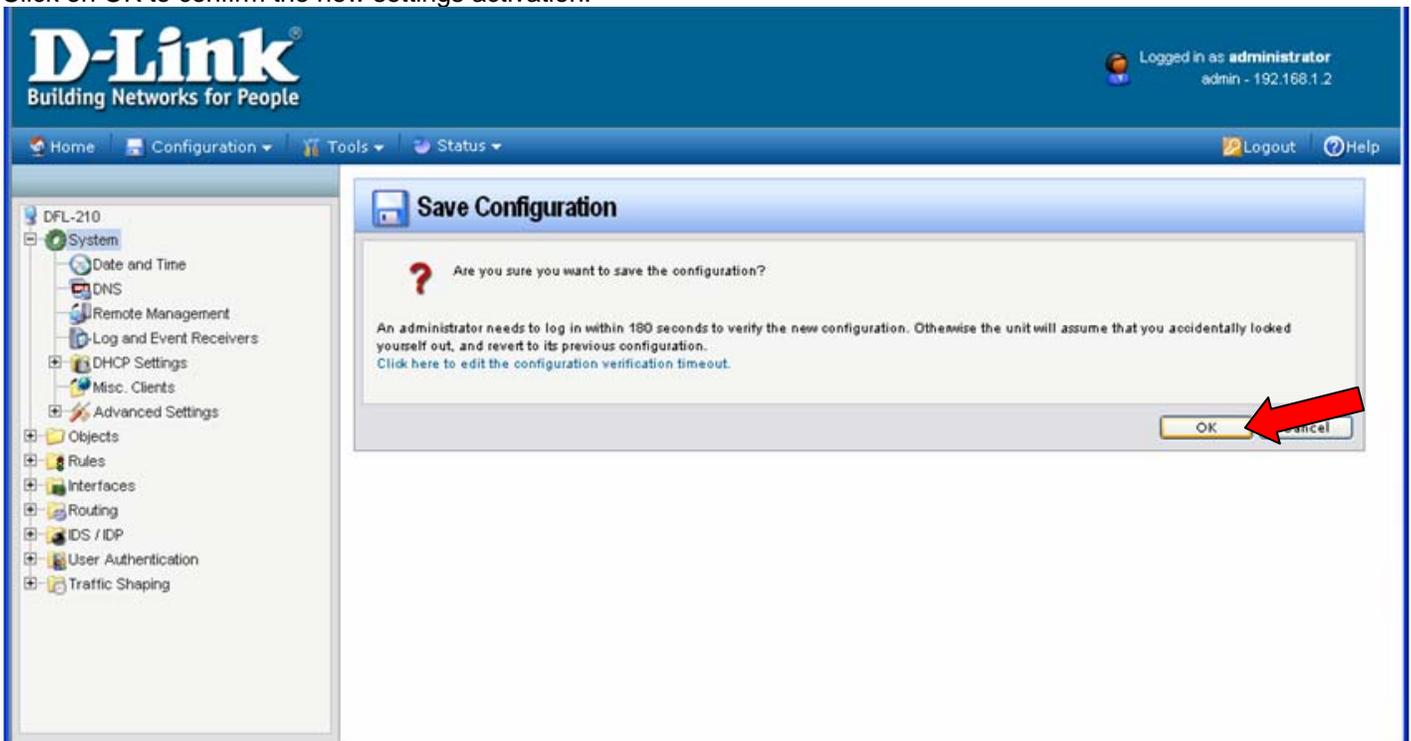
The screenshot displays the D-Link web management interface for a device named DFL-210. The user is logged in as administrator (admin - 192.168.1.2). The navigation menu includes Home, Configuration, Tools, and Status. The left sidebar shows a tree view of the configuration options, with 'IP Rules' expanded to show 'lan\_to\_wan' selected. The main content area is titled 'allow\_standard' and has tabs for General, Log Settings, NAT, and SAT. The 'General' tab is active, showing the following configuration:

- General:** Name: allow\_standard; Action: NAT; Service: all\_services; Schedule: (None).
- Address Filter:** Source Interface: lan; Source Network: lannet; Destination Interface: wan; Destination Network: all-nets.
- Comments:** A text input field for adding comments.

**Step 5.** Save the new configuration. In the top menu bar click on Configuration and select "Save and Activate".



Click on OK to confirm the new settings activation:



Wait 15 seconds for the Firewall to apply the new settings.

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