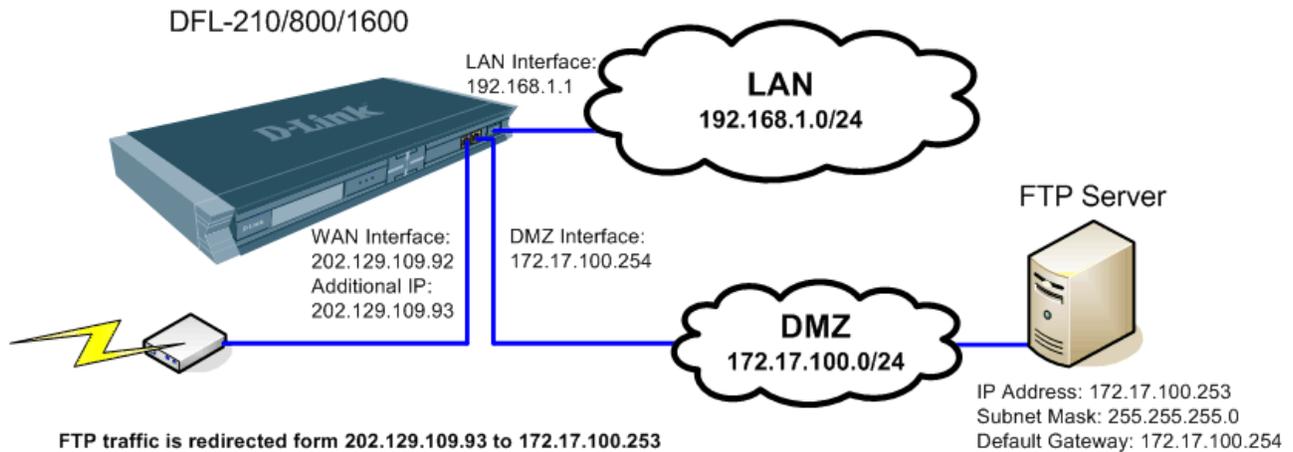


## DFL-210, DFL-800, DFL-1600 How to open ports for FTP server on DMZ

This setup example uses the following network settings:



In our example the WAN interface has an additional public IP address. The modem is in bridge mode (no NAT). The FTP server is connected to the DMZ network.

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

**Note:** If you are setting up a WEB server which uses HTTP port 80, it is advisable to change the default management port of your firewall from 80 to something else. You can set it to be accessed via HTTPS only (port 443) <https://192.168.1.1>. This can be set under System > Remote Management. If you want to leave HTTP management active but change the port to something different for port 80 (e.g. port 88), select "Modify Advanced Settings" under System > Remote Management.

**Step 2.** Go to Objects > Address Book > Interface Addresses. Click on Add and select "IP4 Host/Network".

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Building Networks for People

Logged in as administrator  
admin - 192.168.1.2

Home Configuration Tools Status Logout Help

DFL-210

- System
- Objects
  - Address Book
    - InterfaceAddresses
  - Application Layer Gateways
  - Services
  - Schedule Profiles
  - X.509 Certificates
  - VPN Objects
- Rules
- Interfaces
- Routing
- IDS / IDP
- User Authentication
- Traffic Shaping

### InterfaceAddresses

Use an Address Folder to group related address objects for a better overview.

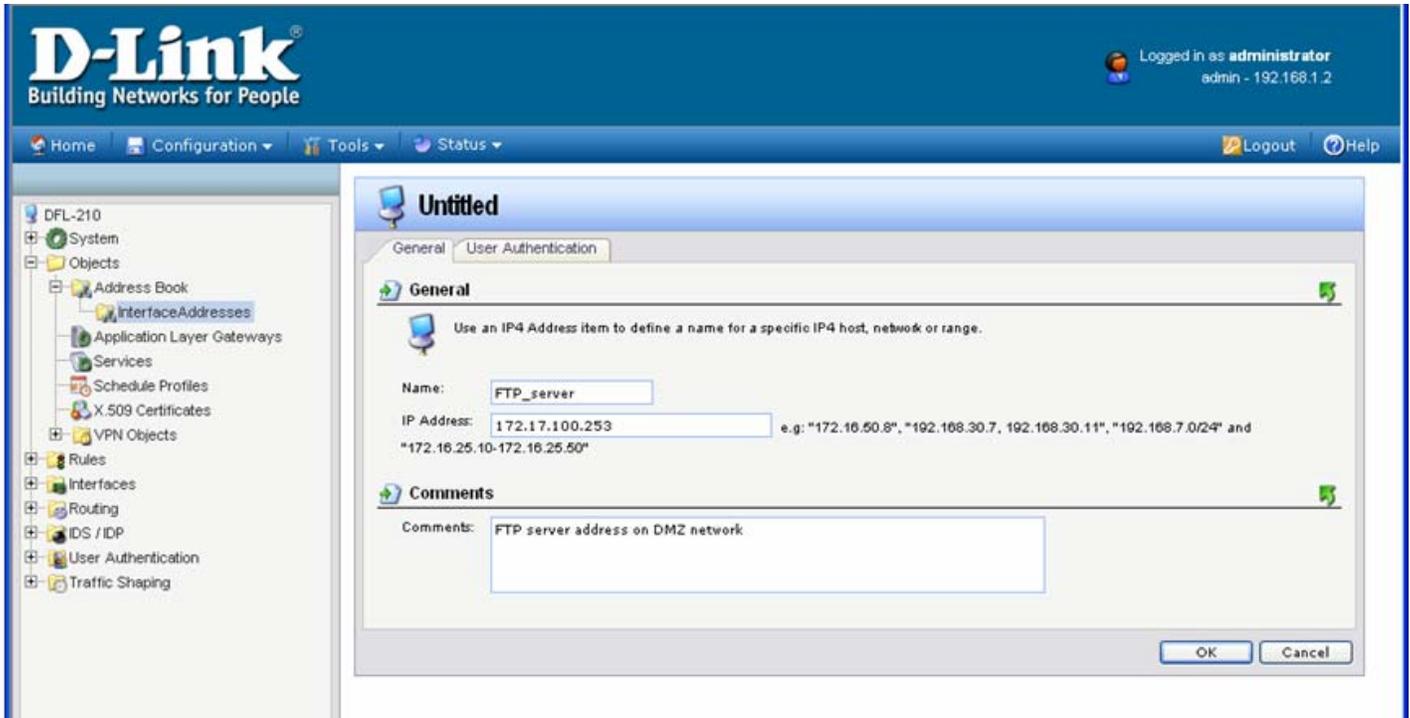
Edit the settings for this folder

Add

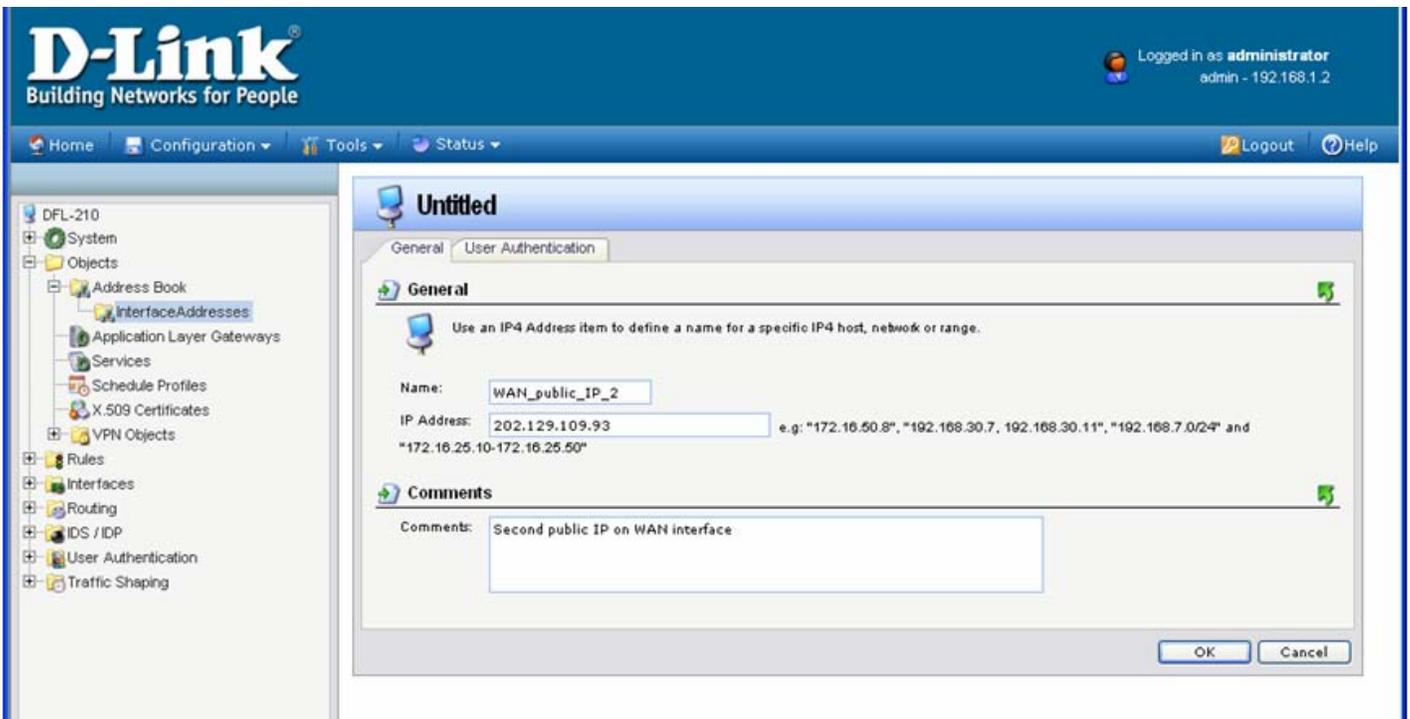
- IP4 Host/Network
- IP4 Address Group
- Ethernet Address
- Ethernet Address Group
- Address Folder

	Address	UserAuthGroups	Comments
1	192.168.1.1		IPAddress of interface lan
2	192.168.1.0/24		The network on interface lan
3	172.17.100.254		IPAddress of interface dmz
4	172.17.100.0/24		The network on interface dmz
5	202.129.109.92		IPAddress of interface wan
6	202.129.109.64/27		The network on interface wan
7	202.129.109.65		
8	4.2.2.2		
9	4.2.2.3		
10	192.168.1.100-192.168.1.200		
11	255.255.255.0		
12	192.168.1.1		
13	4.2.2.2		

**Step 3.** Under Name enter "FTP\_Server" and under IP Address specify the IP address of the server on your DMZ network. In our example it is 172.17.100.253. Click on OK when done.



**Step 4.** Add another IP4 Host/Network. This entry is for the additional public IP which will be used to access your FTP server. Under Name enter "WAN\_Public\_IP\_2" and under IP Address specify the second public IP address. Click on OK when done.



**Step 5.** In the menu on the left select Interfaces > ARP Table. Click on Add > ARP Entry. Add new ARP Entry. Under Mode select Publish. Interface – WAN. Under IP Address select the WAN\_public\_IP\_IP\_2 created in Step 4. Click on OK when done.



**Step 6.** In the menu on the left select IP Rules > WAN to DMZ. Click on Add > IP Rule.

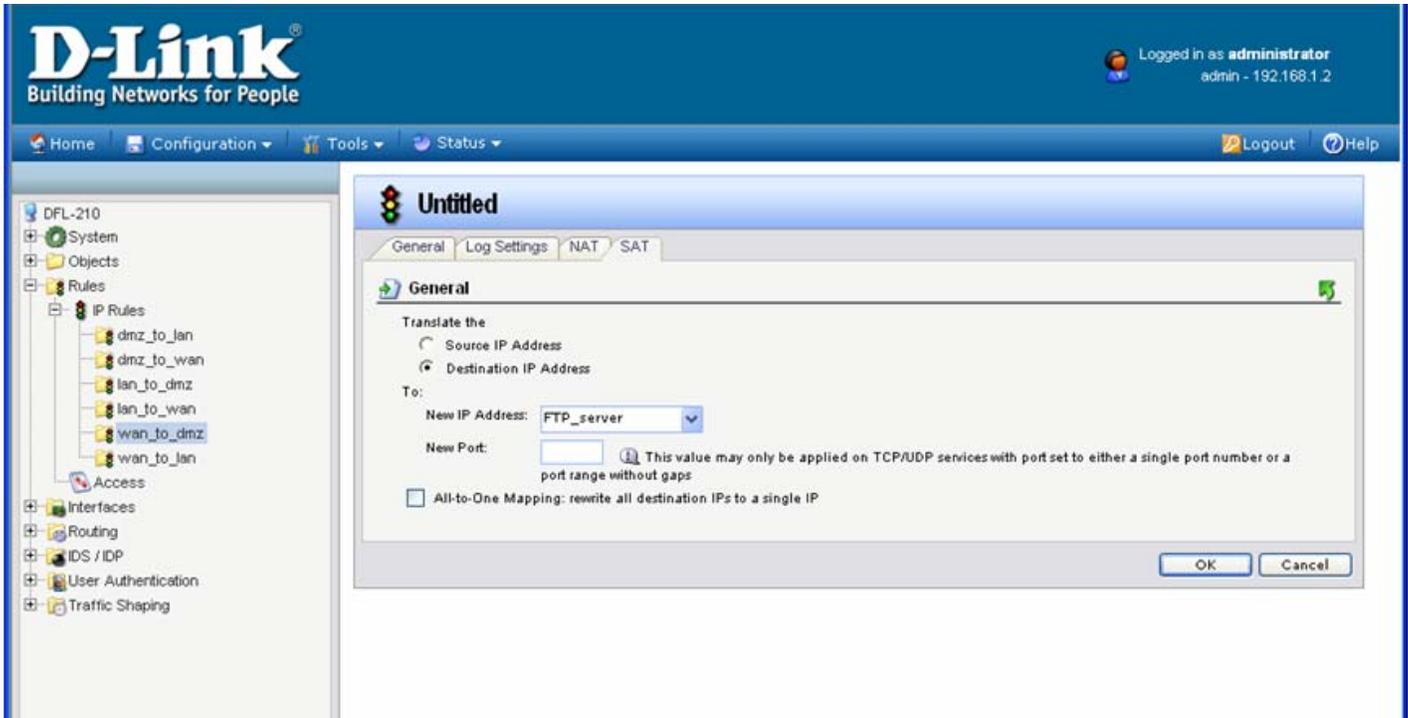
Set a rule "FTP\_map". Under Action select SAT. Since in our example we are setting up an FTP server, under Service we are selecting "ftp-inbound".

Set Source Interface as "any", Source Network: "all-nets". Destination Interface: "WAN", Destination Network: "WAN\_public\_IP\_2".

The screenshot displays the D-Link web management interface for a DFL-210 device. The user is logged in as 'administrator' with IP '192.168.1.2'. The navigation menu on the left shows the 'IP Rules' section expanded to 'WAN to DMZ'. The main configuration window, titled 'Untitled', is open to the 'SAT' tab. It contains three sections: 'General', 'Address Filter', and 'Comments'. The 'General' section has fields for Name ('FTP\_map'), Action ('SAT'), Service ('ftp-inbound'), and Schedule ('(None)'). The 'Address Filter' section has Source Interface ('any') and Network ('all-nets'), and Destination Interface ('wan') and Network ('WAN\_public\_IP\_2'). The 'Comments' section contains the text 'SAT rule for incoming FTP on second Public IP'. 'OK' and 'Cancel' buttons are at the bottom right.

**Step 7.** Click on SAT tab on top. Select the Destination IP Address option. Under New IP Address select the “FTP\_Server” option.

Click on OK when done.



**Step 8.** Create another IP Rule to allow FTP traffic.

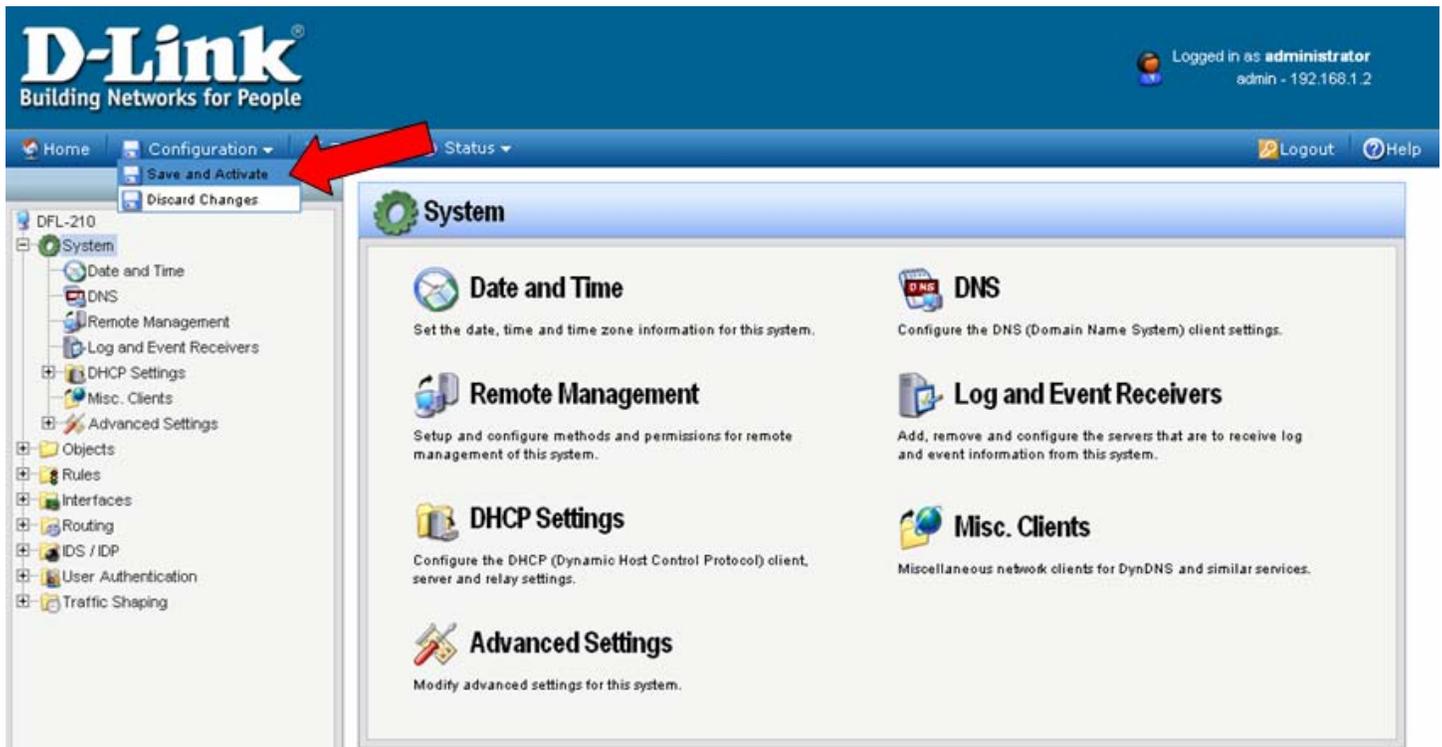
Set Name as Allow\_FTP. Under Action select Allow. Under Service choose "FTP-inbound".

Set Source Interface as "any", Source Network: "all-nets". Destination Interface: "WAN", Destination Network: "WAN\_public\_IP\_2".

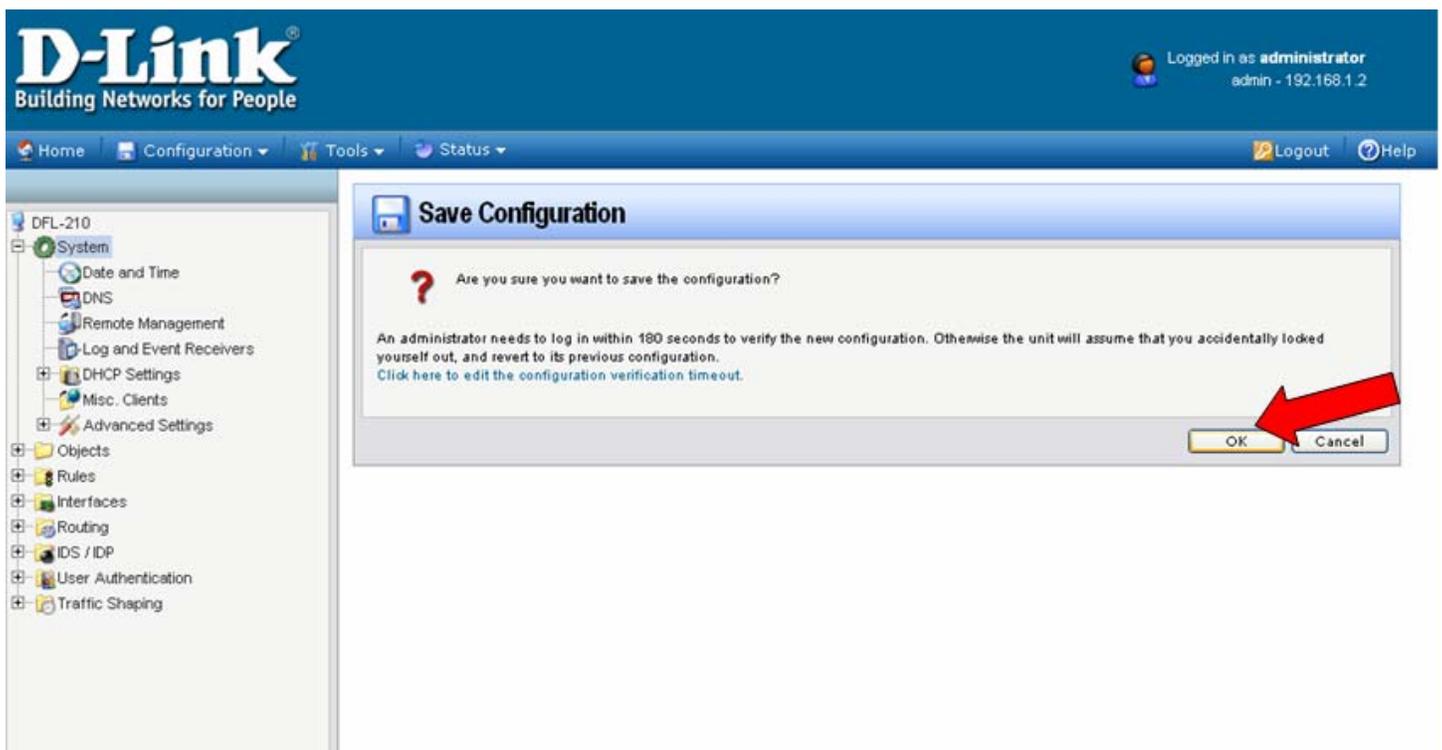
Click on OK when done.

The screenshot displays the D-Link web management interface. The top navigation bar includes 'Home', 'Configuration', 'Tools', and 'Status'. The user is logged in as 'administrator' with IP '192.168.1.2'. The left sidebar shows a tree view of the configuration menu, with 'IP Rules' expanded to show various rule types like 'dmz\_to\_lan', 'lan\_to\_wan', etc. The main content area is titled 'Untitled' and shows the configuration for a new IP rule. The 'General' tab is active, showing the rule name 'allow\_FTP', action 'Allow', service 'ftp-inbound', and schedule '(None)'. The 'Address Filter' section is also visible, with source interface 'any', source network 'all-nets', destination interface 'wan', and destination network 'WAN\_public\_IP\_2'. A 'Comments' field contains the text 'Rule to allow FTP traffic in'. 'OK' and 'Cancel' buttons are at the bottom right.

**Step 9.** 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.