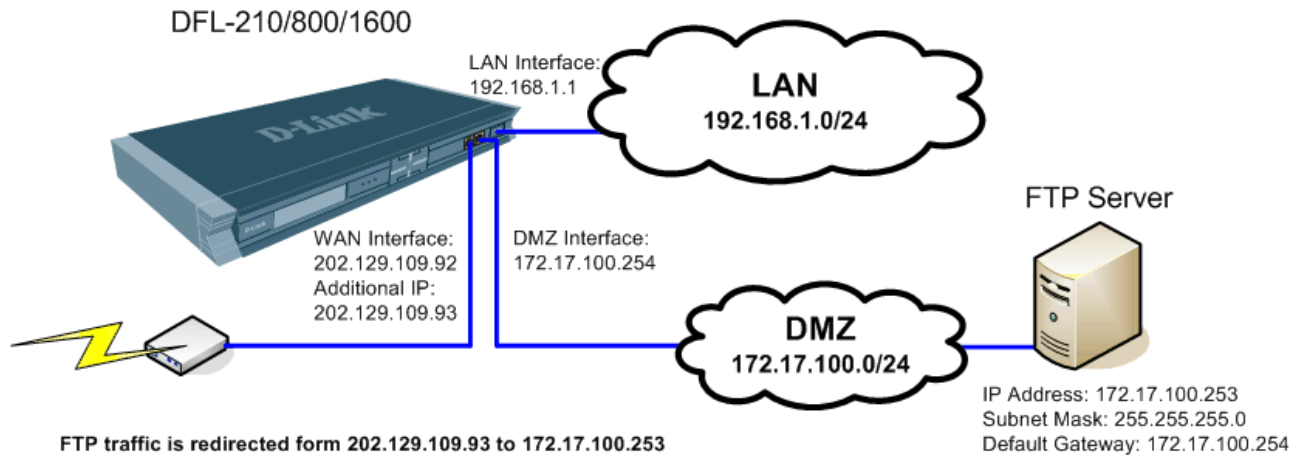


DFL-210, DFL-600, DFL-1600 How to open ports for FTP server on DMZ

This setup example uses the following network settings:



In our example the WAN interface has an additional public IP address. The 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".

D-Link®
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.

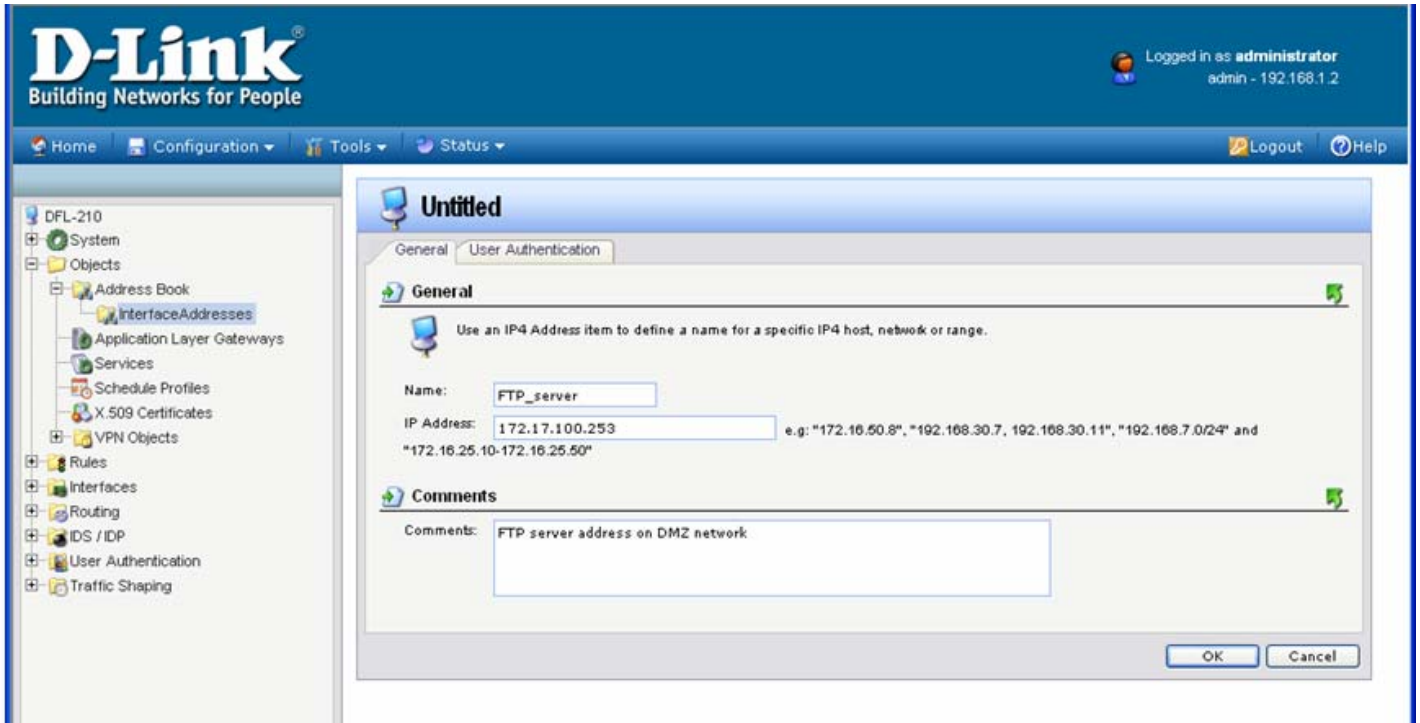
Edit the settings for this folder

Add

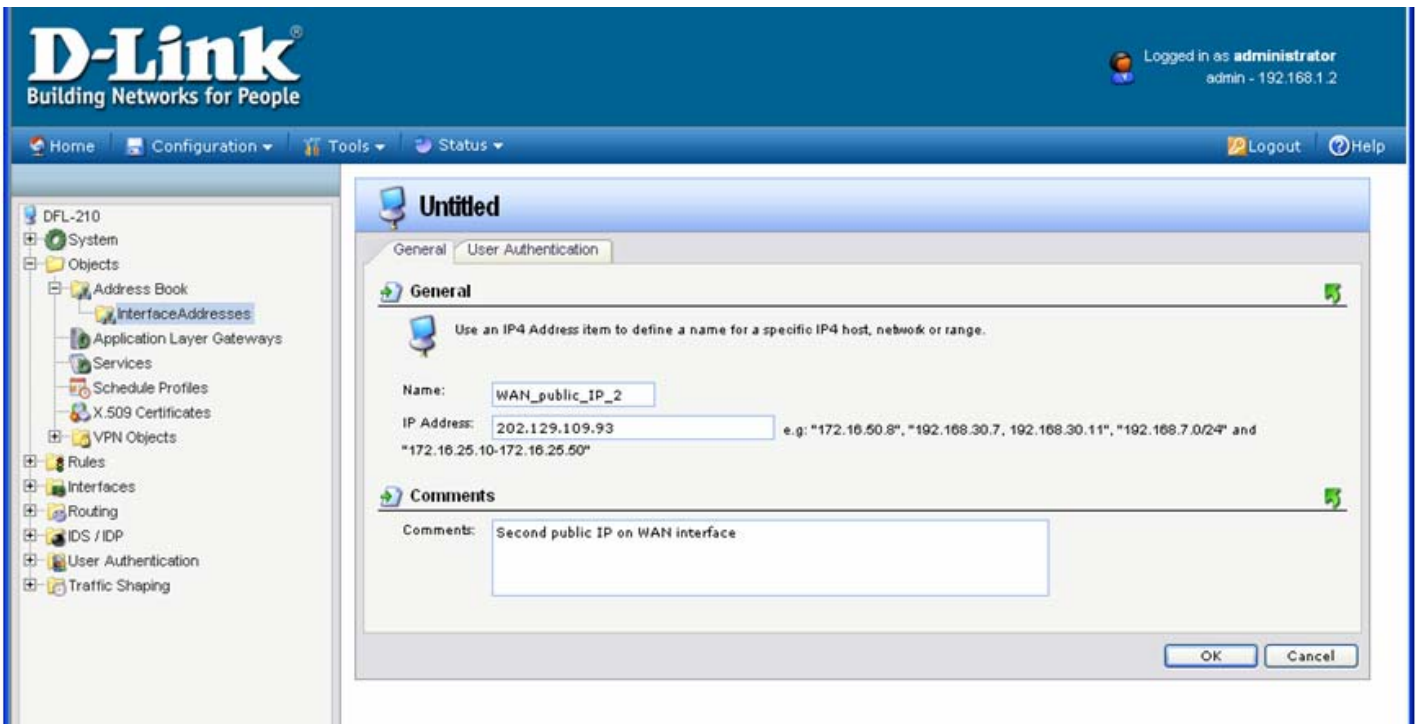
- IP4 Host/Network
- IP4 Address Group
- Ethernet Address
- Ethernet Address Group
- Address Folder

	Address	UserAuthGroups	Comments
	192.168.1.1		IPAddress of interface lan
	192.168.1.0/24		The network on interface lan
	172.17.100.254		IPAddress of interface dmz
	172.17.100.0/24		The network on interface dmz
4	wan_ip		IPAddress of interface wan
5	wannet		The network on interface wan
6	wan_defaultgw_ip		
7	dnsserver1_ip		4.2.2.2
8	dnsserver2_ip		4.2.2.3
9	dhcpserver_range		192.168.1.100-192.168.1.200
10	dhcpserver_netmask		255.255.255.0
11	dhcpserver_defaultgw		192.168.1.1
12	dhcpserver_dns1		4.2.2.2

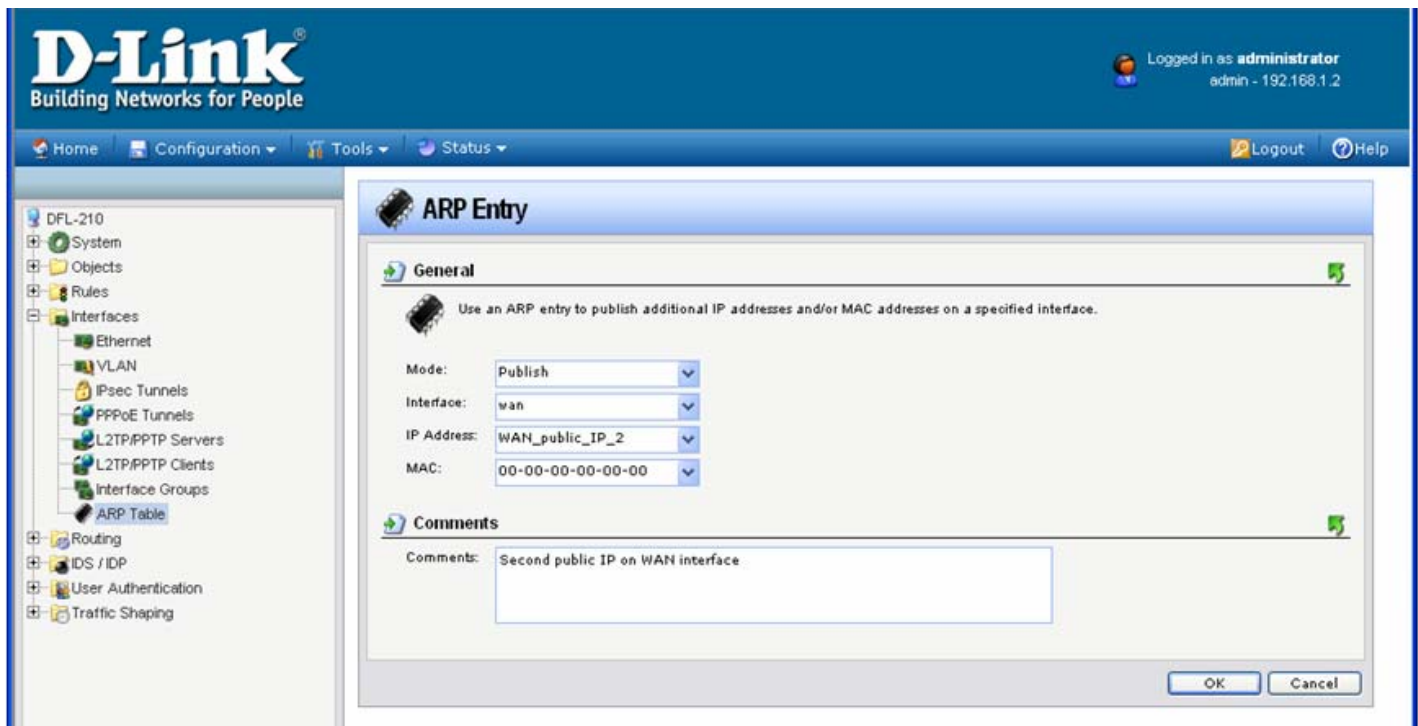
Step 3. Under Name enter "FTP_Server" and under IP Address specify the IP address of the server on your DMZ network. In our example it is 172.17.100.253. Click on OK when done.



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.



The screenshot displays the D-Link web management interface. The top navigation bar includes the D-Link logo, the slogan "Building Networks for People", and the user status "Logged in as administrator admin - 192.168.1.2". The main menu contains "Home", "Configuration", "Tools", and "Status". A left-hand sidebar lists various configuration categories, with "Interfaces" expanded to show "ARP Table" selected. The main content area is titled "ARP Entry" and contains two sections: "General" and "Comments".

General

Use an ARP entry to publish additional IP addresses and/or MAC addresses on a specified interface.

Mode: Publish
Interface: wan
IP Address: WAN_public_IP_2
MAC: 00-00-00-00-00-00

Comments

Comments: Second public IP on WAN interface

Buttons: OK, Cancel

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

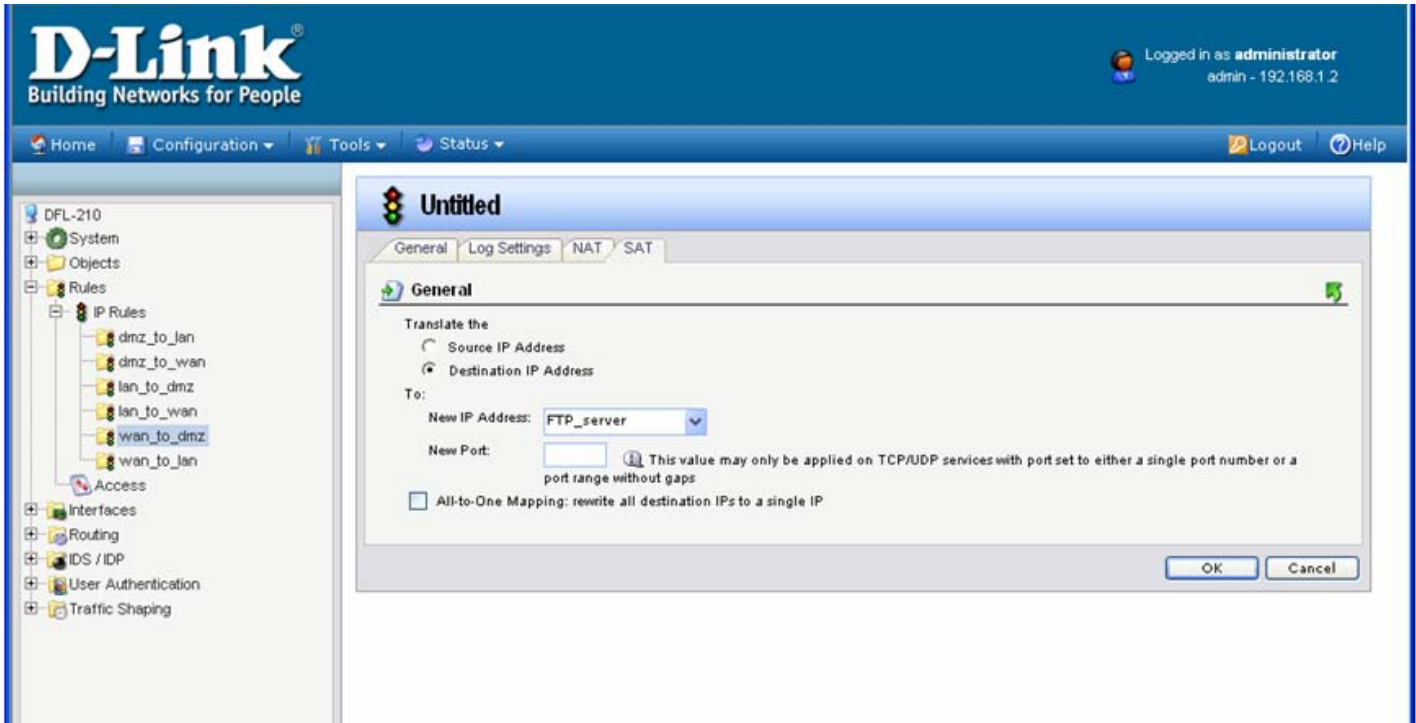
Set a rule "FTP_map". Under Action select SAT. Since in our example we are setting up an FTP server, under Service we are selecting "ftp-inbound".

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 device labeled 'DFL-210'. The user is logged in as 'administrator' with IP '192.168.1.2'. The navigation menu on the left shows the path: IP Rules > WAN to DMZ. The main configuration window, titled 'Untitled', is open to the 'General' tab. The 'General' section contains the following fields: Name: 'FTP_map', Action: 'SAT', Service: 'ftp-inbound', and Schedule: '(None)'. The 'Address Filter' section is also visible, with Source Interface set to 'any', Source Network to 'all-nets', Destination Interface to 'wan', and Destination Network to 'WAN_public_IP_2'. A 'Comments' field at the bottom contains the text: 'SAT rule for incoming FTP on second Public IP'. 'OK' and 'Cancel' buttons are located at the bottom right of the configuration window.

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 for a device named 'DFL-210'. The user is logged in as 'administrator' with IP '192.168.1.2'. The navigation menu includes Home, Configuration, Tools, and Status. The left sidebar shows a tree view of the configuration tree, with 'IP Rules' expanded to show various rule categories 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 following settings:

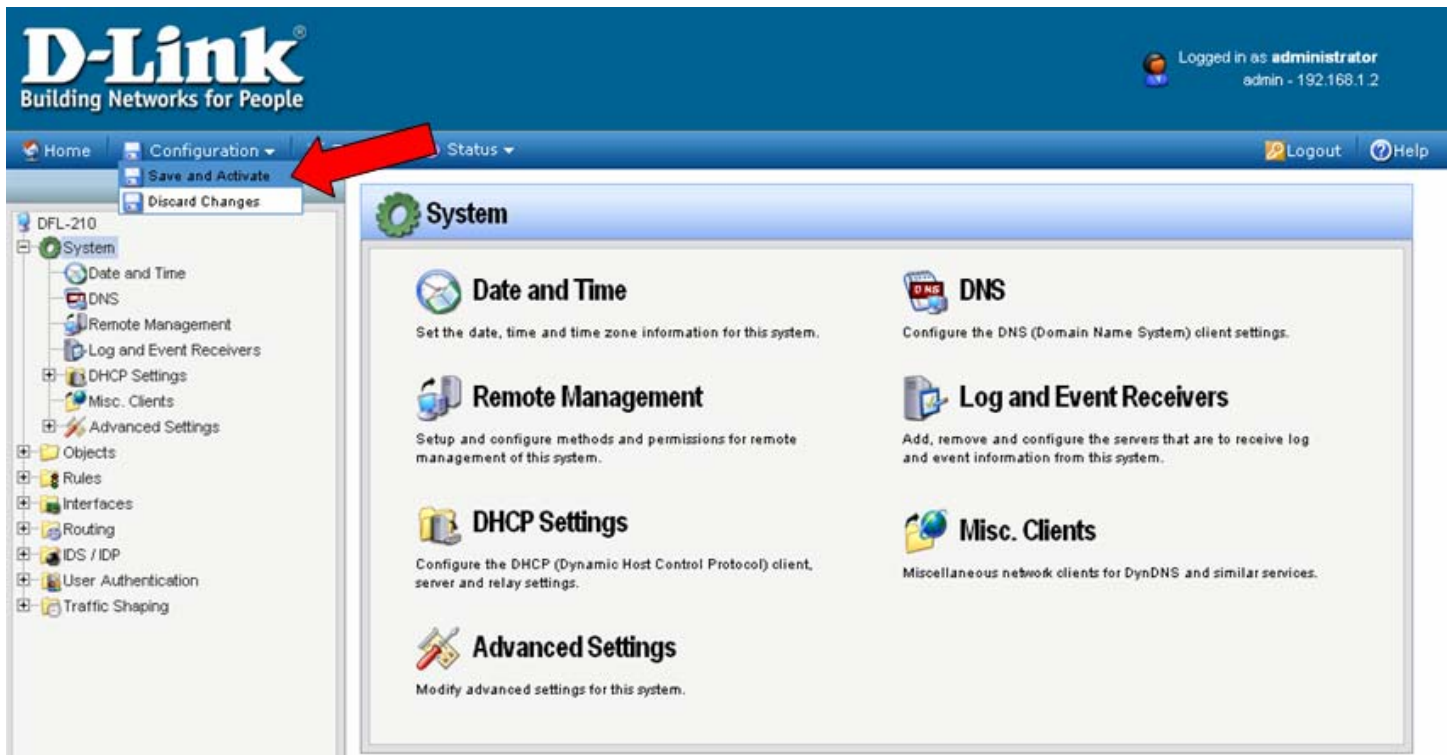
- Name:** allow_FTP
- Action:** Allow
- Service:** ftp-inbound
- Schedule:** (None)

The 'Address Filter' section is also visible, with the following settings:

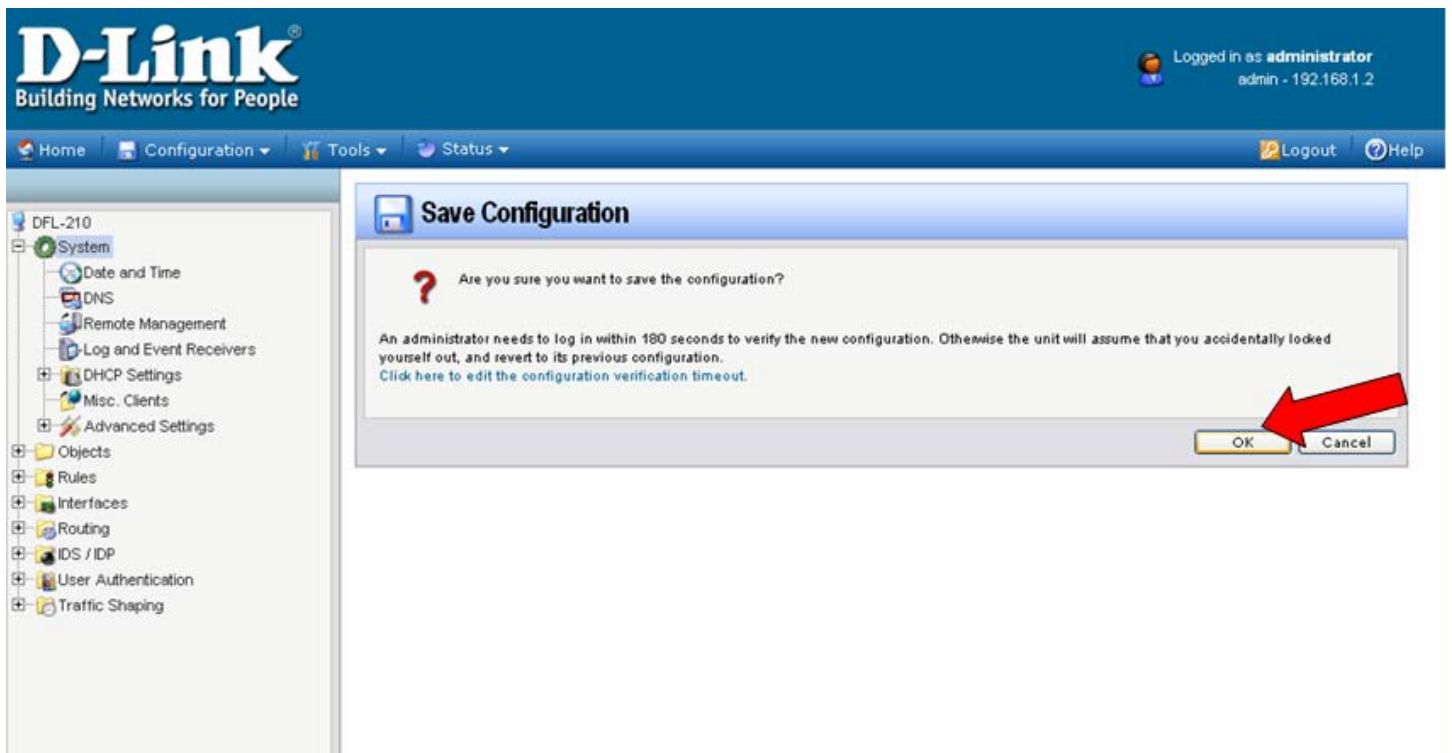
Source		Destination	
Interface:	any	Interface:	wan
Network:	all-nets	Network:	WAN_public_IP_2

The 'Comments' section contains the text: 'Rule to allow FTP traffic in'. At the bottom right, there are 'OK' and 'Cancel' buttons.

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.