

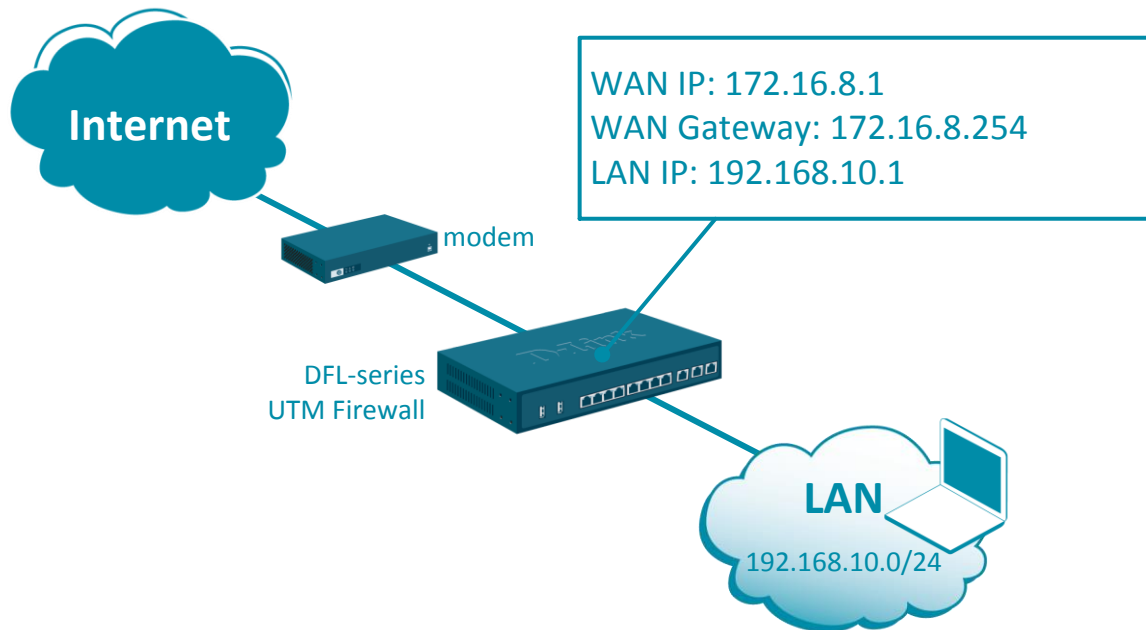
NETDEFEND

Configuration examples for the D-Link NetDefend Firewall series



How to setup WAN with static IP address

This configuration example is based on the following setup:



Step 1. Log into the firewall. The default access to LAN is via <https://192.168.10.1>. Default username is “admin” and password is “admin”.

Step 2. Go to Network > Ethernet > WAN1 and make sure that “DHCP Client” option is not enabled.

The screenshot shows the D-Link firewall configuration interface. The "Network" tab is selected, and the "Interfaces and VPN" sub-tab is active. The "Ethernet" section is expanded, showing a table of interfaces:

#	Name	IPv4
1	wan1	4
2	wan2	4
3	dmz	4
4	lan	4

The "wan1" interface configuration window is open, showing the "General" tab. The "Name" is set to "wan1". Under the "IPv4" section, the "IP address" is set to "wan1_ip", the "Network" is set to "wan1net", and the "Default Gateway" is set to "wan1_gw". The "Receive Multicast Traffic" is set to "Auto". A red arrow points to the "Enable DHCP Client" checkbox, which is unchecked. Below this checkbox, a note states: "Enabling the DHCP Client will create and use the objects needed by the DHCP client and don't exist in the dynamically updated."

Step 3. Go to Objects > Address Book > Interface Addresses.

Assign the required IP addresses to “wan_ip”, “wannet” and “wan_gw”.

#	Name	Address
1	wan1_ip	172.16.8.1
2	wan1net	172.16.8.0/24
3	wan1_gw	172.16.8.254
4	wan1_dns1	4.2.2.2
5	wan1_dns2	61.88.88.88

If “wan_gw” is not present - add new “IP4 Address” object.

The screenshot shows the 'Add' dropdown menu with the following options: IP6 Address, IP6 Group, Ethernet Address, Ethernet Address Group, IP4 Group, and IP4 Address (highlighted). Below the menu is the configuration form for a new IP4 Address object.

General | User Authentication

Name: wan1_gw

Address: 172.16.8.254 IP address, e.g. "172.16.8.1"

Comments: Default gateway for interface wan1.

Step 4. Go to Network > Ethernet > WAN.

Verify that WAN has IP Address, Network and Default Gateway assigned to it.

Go to Advanced and make sure the “Add default route if default gateway is specified” is enabled.

The image shows two overlapping screenshots of a D-Link network configuration interface for a WAN interface named 'wan1'.

The top screenshot shows the 'General' tab. The interface name is 'wan1'. Under the 'IPv4' section, the following fields are highlighted with a red box:

- IP address: wan1_ip
- Network: wan1net
- Default Gateway: wan1_gw

The bottom screenshot shows the 'Advanced' tab. Under the 'Automatic Route Creation' section, the following options are highlighted with a red box:

- Automatically add a route for this interface using the given network.
- Automatically add a default route for this interface using the given default gateway.

Below these options, the 'Route metric' is set to 100, with a note: 'Specifies the metric for the auto-created route.'

Go to Policies > Main IP Rules > LAN_to_WAN. You should see the default “Allow_Standard” rule that performs Network Address Translation (NAT) for all outgoing traffic.

If required, create additional rules to block or allow desired traffic. Choose the necessary Action, Service, Interface and Network for the rules.

allow_standard

An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.

General Log Settings NAT SAT Multiplex SAT SLB SAT SLB

Name:

Action: **i** NAT, SAT, SLB SAT and Multiplex SAT are not usable with

Service:

Schedule:

Address Filter

Specify source interface and source network, together with destination interface and destination network

Source: Interface: Network:

Destination:

Step 5. After the configuration is done, click “Configuration” in main bar and select “Save and Activate”. Then click OK to confirm. Wait for 15 sec. You will be automatically redirected to the firewall’s LAN IP address.

NOTE: If you do not re-login into the firewall within 30 sec, the configuration is reverted to its previous state. The validation timeout can be adjusted under System > Remote Management > Advanced Settings.

Setup Wizard Configuration Notifications 0 admin

Status System

Run-time Information M

Save Configuration

Save and activate changes n

Save and Activate

Are you sure you want to save the configuration?

An administrator needs to log in within 30 seconds to verify the new configuration. Otherwise the unit will assume that you accidentally locked yourself out, and revert to its previous configuration.

Note: Due to configuration changes the currently active user admin (192.168.10.151) will no longer be automatically logged on after the activation of the new configuration. You will need to manually login with an administrator user account to verify the new configuration.

OK Cancel