

Configuring WireGuard for D-Link Routers

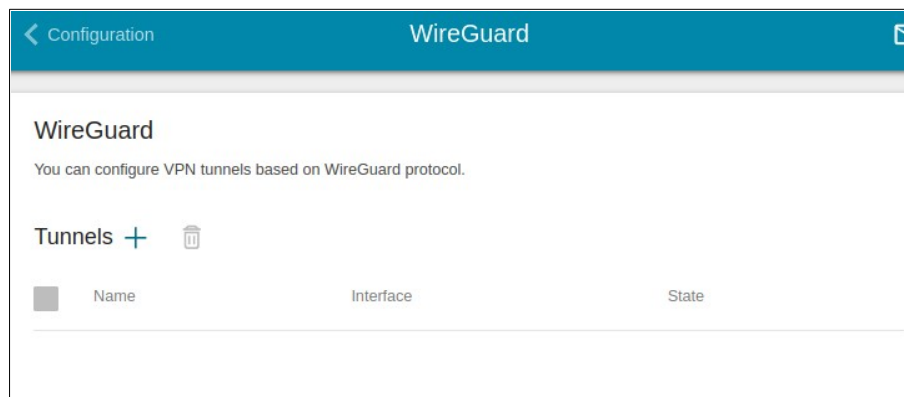
WireGuard Configuration File

Please download the configuration file from your VPN provider. Then replace the AllowedIPs: type «0.0.0.0/1, 128.0.0.0/1» instead of «0.0.0.0/0» for further loading to the router settings.

```
Test_conf_1.conf x
1 [Interface]
2 Address = 10.7.0.6/24
3 DNS = 8.8.8.8, 8.8.4.4
4 PrivateKey = WpC84X0nYUNRYwmcG4bD4s2gQpBfKqtj8Y+HwCxvdUg=
5
6 [Peer]
7 PublicKey = sZhE1m3cLEpu7z4AQ/DBbhevdf2ZpsFBle/eLjXc0AY=
8 PresharedKey = hiin8604NrEc2vHGnl0mdmPT44fMU/ejmWJ33kqn7wM=
9 PersistentKeepalive = 25
10 Endpoint = 33.29.104.24:4565
11 AllowedIPs = 0.0.0.0/1, 128.0.0.0/1
```

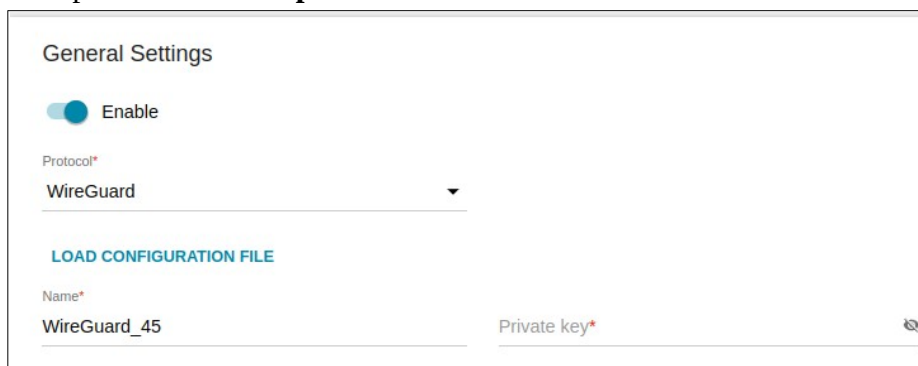
Creating Wireguard Connection

1. On the left of the main menu, at the **VPN** section, click the **WireGuard** page. Then click «+» to add a new tunnel.





2. Click **Protocol** → **WireGuard** or **AmneziaWG**, depending on what your VPN provider delivers.

3. Click **LOAD CONFIGURATION FILE**, and then locate the prepared configuration file from your VPN provider. Click **Upload**.



Please note! When loading a configuration file with a great amount of AllowedIPs, the router settings can be temporary unavailable. Please wait until all the specified sub-networks will be added by the router. We recommend not to use more than 100 AllowedIPs due to hardware restriction.

4. After the configuration file is loaded, a new WireGuard connection will appear in the table, with the «Enabled» state and a green mark.

WireGuard			
You can configure VPN tunnels based on WireGuard protocol.			
Tunnels + 			
<input type="checkbox"/>	Name	Interface	State
<input type="checkbox"/>	WireGuard_40	Default gateway	Enabled 

General Settings

Enable

Protocol*
WireGuard

LOAD CONFIGURATION FILE

Name*
WireGuard_40

Private key*
.....

IPv4 address*
10.7.0.6/24

IPv6 address

Interface*
Default gateway

NAT


Port*
51820


MTU*
1420

GENERATE KEY


Public key
unq39j68g#SRIC7gG+6BNB/GQfSO8Kyaxcl+jVpTi0=

DNS servers

8.8.8.8 

8.8.4.4 

ADD SERVER

Peers + 

<input type="checkbox"/>	Name	Port	Remote host	Remote subnets
<input type="checkbox"/>	-	4565	33.29.104.24	0.0.0.0/1, 128.0.0.0/1

5. Switch to **Statistics** → **Network Statistics** and make sure the values of Rx/Tx counters for WireGuard connection are not zeros.

6. Check whether all the clients directly connected to a D-Link router can connect to the Internet through the Wire-Guard VPN tunnel.

The configuration is complete.