

How Can I Configure OpenVPN on My DD-WRT Router?

For maximum control, you can always configure [OpenVPN on your DD-WRT](#) router. However, if you are not sure how to make this possible, here is what you need to do:

Things to Consider:

- Ensure you have an active internet connection
- You have a DD-WRT router
- A Premium PureVPN account (if you haven't bought it yet, [click here](#) to buy)

First, you need to [download all OpenVPN files](#). Once downloaded, extract the files.

1Open your DDWRT Control Panel and Select 'Services' then go to VPN tab and Enable '**OpenVPN Client**'

PureVPN Support

Solution of Your Problems
Insert the following info:
<https://support.purevpn.com>

- Enter your desired Country / Server address in the Server IP / Name box. Open *.ovpn file to get the server address. OR you can also get the complete server list [here](#)
- In the 'Port' field, enter 53 for UDP and 80 for TCP.
- Select 'TUN' from the Tunnel Device drop-down menu.
- In Tunnel Protocol, select UDP for port number 53 or TCP for port number 80.
- In the Encryption Cipher field, select encryption level AES-256 CBC.
- For the Hash Algorithm, select SHA1.
- Enable the Advance option.

The screenshot displays the configuration interface for the OpenVPN Client. The 'OpenVPN Server/Daemon' section at the top has 'OpenVPN' set to 'Disable'. The 'OpenVPN Client' section is active, with 'Start OpenVPN Client' set to 'Enable'. The 'Server IP/Name' field contains 'l-ovpn.purevpn.net', 'Port' is '53', 'Tunnel Device' is 'TUN', 'Tunnel Protocol' is 'UDP', 'Encryption Cipher' is 'AES-256 CBC', and 'Hash Algorithm' is 'SHA1'. The 'Advanced Options' are set to 'Disable'. There are three empty text input fields for 'CA Cert', 'Public Client Cert', and 'Private Client Key'. At the bottom, there are three buttons: 'Save', 'Apply Settings', and 'Cancel Changes'. A large 'PureVPN' watermark is visible across the center of the form.

3 Insert the following info:

- For TLS Cipher select 'None'.
- In the LZO Compression tab select 'Adaptive'.
- Disable NAT and also disable Firewall protection.

- Leave the IP address and Subnet Mask field unfilled.
- Disable the 'Tunnel UDP MSS-Fix' option.
- For TLS Auth Key, go to the downloaded OpenVPN files. Open the file titled 'WDC.key' in notepad, copy all its content and paste it in the TLS Auth Key field.
- In Additional Configuration, insert auth-user-pass /tmp/user.txt.
- For CA Cert, once again open the downloaded OpenVPN files. Now, open the file titled 'CA.crt' in notepad, copy all its content, and paste it in the CA cert field.
- Now, save and apply the settings

Note: For some Disabling NAT gives error MANAGEMENT: Client connected from [AF_INET]127.0.0.1:16 so Enable NAT then try again

⁴ Now, click on the Security Tab at the top menu bar. Select Firewall tab and go to SPI firewall and disable the option. Once again, click on 'Save' and 'Apply settings'

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The screenshot shows the DD-WRT control panel interface. At the top, there are navigation tabs: Setup, Wireless, Services, Security (highlighted with a green arrow), Wireless Restrictions, NAT / QoS, Administration, and Status. Below these, there are sub-tabs: Firewall (highlighted with a green arrow) and Passthrough. The main content area is titled 'Security' and contains several sections: 'Firewall Protection' with 'SPI Firewall' set to 'Disable' (indicated by a green arrow), 'Additional Filters' with checkboxes for Filter Proxy, Filter Cookies, Filter Java Applets, and Filter ActiveX, 'Block WAN Requests' with checkboxes for Block Anonymous WAN Requests (ping), Filter Multicast, Filter WAN NAT Redirection, Filter IDENT (Port 113), and Block WAN SNMP access, and 'Impede WAN DoS/Bruteforce' with a checkbox for Limit SSH Access. A 'Help' button is visible on the right side.

5 Now, click on the “Administration” tab and select the ‘Command’ tab. Enter the following script in command box:

```
#!/bin/sh
touch /tmp/user.txt
echo -e "purevpn username\npurevpn password" > /tmp/user.txt
```

OR use alternate script

```
echo username >> /tmp/user.txt
echo password >> /tmp/user.txt
/usr/bin/killall openvpn
/usr/sbin/openvpn --config /tmp/openvpncl/openvpn.conf --route-up /tmp/openvpncl/route-up.sh
```

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```
–down-pre /tmp/openvpncl/route-down.sh –daemon
```

There are some changes that you need to make in text box such as:

Change PureVPN username with the actual username provided to you by PureVPN.

Change the PureVPN password with the actual password provided to you by PureVPN.

In the end, click on 'Save Startup'



The screenshot shows the dd-wrt.com control panel. The top navigation bar includes tabs for Setup, Wireless, Services, Security, Access Restrictions, NAT, Administration (highlighted with a green arrow), and Status. Below this is a secondary navigation bar with Management, Keep Alive, Commands (highlighted with a green arrow), WOL, Factory Defaults, Firmware Upgrade, and Backup. The main content area is titled 'Diagnostics' and contains a 'Command Shell' section. A text box in the Command Shell contains the following commands:

```
#!/bin/sh
touch /tmp/user.txt
echo -e "purevpn username\npurevpn password" > /tmp/user.txt
```

Below the text box are five buttons: Run Command (highlighted with a green arrow), Save Startup, Save Shutdown, Save Firewall, and Save Custom Script. A large 'PureVPN' watermark is visible over the Command Shell area.

Now, click on 'Management Tab' go to the bottom and click on 'Save' and then 'Apply settings'. You need to reboot your router, once the router reboots, open the control panel and click on 'Status' and select 'OpenVPN'. You can see your VPN status from this window.

[Wouter](#) — A Router with Built-In Security & Accessibility. Get It Now!

Please use the **comment box** for your suggestions & feedback. For additional help, please **submit** a [support ticket](#) with errors and screenshots (if possible) or contact our 24/7 live chat.