Routers DD-WRT

a) Installing DD-WRT

DD-WRT is an alternative Linux based firmware for many today routers. It has many useful functions including OpenVPN client.

Well supported routers are for example ASUS RT-N66U, ASUS RT-N16, ASUS RT-N18U, TP-LINK TL-WR842ND and others. You can see the full list <u>here</u>. You should look for routers with at least 8MB of Flash memory as you need to use Big or Mega version of DD-WRT to get OpenVPN client running.

You can see compare DD-WRT firmware versions here.

The latest Firware (beta) can be found at their <u>FTP</u>. All versions are not always available via web.

Please read the <u>instructions</u> for flashing carefully as improper installation can brick you router.

I have used factory-to-ddwrt.bin on my TP-LINK TL-WR842ND as this image is the first DD-WRT installation.

So we are up and running.

dd.vet-		Tim	Firmware: DD-WRT v3.0-r29048 std (02/05/16) e: 19:51:20 up 5:29, load average: 0.01, 0.02, 0.04
Setup Wireless Se	ervices Security Access Restrict	tions NAT / QoS Admi	WAN IP: 192.168.0.1
System Information	1		
Router		Services	
Router Name	DD-WRT	WRT-radauth	Disabled
Router Model	TP-Link TL-WR842ND v2	CIFS Automount	Disabled
LAN MAC	60:E3:27:B5:A2:18	Sputnik Agent	Disabled
WAN MAC	60:E3:27:B5:A2:18	USB Support	Disabled
Wireless MAC	60:E3:27:B5:A2:18		
WAN IPv4	192.168.0.11	Memory	
LAN IP	192.168.1.1	Total Available	28.6 MB / 32.0 MB
		Free	5.6 MB / 28.6 MB
Wireless		Used	22.9 MB / 28.6 MB
Radio	Radio is On	Buffers	2.9 MB / 22.9 MB
Mode	AP	Cached	8.5 MB / 22.9 MB
Network	Mixed	Active	6.6 MB / 22.9 MB
SSID	dd-wrt	Inactive	6.4 MB / 22.9 MB
Channel	11 (2462 MHz)	Space Usage	
TX Power	16 dBm	NVD AM	22 19 KB / 54 KB
Rate	144. 444 Mb/s		Alat manatal
Wireless Packet Info			(Not mounted)
Received (PV)	0.0K, polerror	211.32	(NOL MOUTHED)
	15718 OK no error		
Wireless			
Clients			
MACAdd	torface listing Turn i sur		
	ternace optime IX Rate RX Rat	- None -	Noise Sivik Signal Quality
DHCP			
DHCP Clients			
Hostname	IP Address	MAC Address	Client Lease Time
WIN-ESI86DP2EEB	192.168.1.109	xx:xx:xx:03:0D	1 day 00:00:00
Petr-PC	192.168.1.114	xx:xx:xx:4D:AC	1 day 00:00:00
Auto-Refresh is On			
		DD-WRT	
PayPal			

b) Using DD-WRT OpenVPN Client

Please follow these instructions for using Identity Cloaker OpenVPN:

1) Click the "VPN" tab in the "Services" section, or just scroll down the "Services" page if you are using an old version of DD-WRT.

2) Enable the OpenVPN Client.

3) Set the Server IP/name to SERVER_NAME.identitycloaker.net * (Server Names described below the tutorial)

- 4) Set "Port" to 443.
- 5) Set "Tunnel Device" to TUN.
- 6) Set "Tunnel Protocol" to UDP.
- 7) Set "Encryption Cipher" to AES-256
- 8) Set "Hash Algorithm" to SHA1
- 9) Set the option "User Pass Authentication" to Enabled

10) Fill up your Identity Cloaker username and password (please see your Welcome mail).

Please note that Identity Cloaker username needs to be entered in lowercase. And it is not your email address. Identity Cloaker password is case sensitive.

- 11) Enable "Advanced Options"
- 12) Set TLS Cipher to "None"
- 13) Enable "LZO Compression" (Yes option)
- 14) Enable "NAT"
- 15) Disable Firewall protection option
- 16) Set Tunnel UDP Fragment to 1450.
- 17) Enable the option Tunnel UDP Fragment
- 18) Keep "nsCertType" unchecked
- 19) In the "Additional Config" copy and paste the following:

persist-key persist-tun tls-client

19) Copy and paste the contents of "ca.crt" into the CA cert field.

You can get it from this package (keys folder)



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20) Click the "Apply settings" button and check VPN status at Status menu -> OpenVPN . You should see Connected notice there.

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You can test your IP address <u>here</u>.

Your IP address is:

78.129.183.80

Your Real IP address is cloaked with Identity Cloaker

*Available servers (enter instead of the SERVER_NAME in step 5):

AU2, AT1, CA2, CZ1, FR5, DE3, IE4, IT2, NL2, NO1, PL1, PT1, RU1, SG1, SP1, SE2, CH1, UK4, UK9, UK12, UK13, UK14, US4, US7

Updated version of our servers list can be found at your member area.

Unique solution ID: #1014 Author: Petr Munzar Last update: 2017-08-01 12:33