OpenVPN Configuration Guide for Ubuntu 16.04 and other derived distributions

Before you begin, please make sure that you have a working internet connection.

Here is how you can configure OpenVPN on the desktop:

1. Click on Dash, Search for Terminal and open it.

2. Run command (hit enter after typing this line into the terminal):

sudo apt-get install network-manager-openvpn network-manager-openvpn-gnome networkmanager-pptp network-manager-vpnc

3. When prompted to continue with the installation of the software hit the "Y" key, then enter to continue.

4. Once installation completes, close Terminal and download the required OpenVPN Files from:

https://www.thinkpenguin.com/files/penguinvpn-desktop-configuration-files.tar.gz

5. Extract the downloaded files.

6. Click on "Network Connection Icon..."

- 7. Go to VPN Connections and select "Configure VPN..."
- 8. Click on "Add" button
- 9. Click on the drop down menu and select "OpenVPN", then click "Create"



10. Insert the following info:

- Insert Connection name: PenguinVPN
- Insert Gateway: germany.penguinvpn.com
- Select Type: Password from drop down menu
- Insert Username provided by PenguinVPN
- Insert Password provided by PenguinVPN
- Select the CA Certificate file from the extracted penguinvpn-desktop-configurationfiles folder

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Connection name:	Penguir	IVPN	
General	VPN	IPv4 Settings	IPv6 Settings
General			
Gateway: ger	many.peng	uinvpn.com	
Authentication			
Type: Passwo	ord		•
User name:	penguin	s12913242	
Password:	••••••		ů <u>s</u>
CA Certificate:	a.crt		_
Show	password	s	
			🔀 Advanced
Export			Cancel Save

11. Click on "Advanced."

12. From General tab select following options:

- Check Use custom gateway port: 80
- Check Use LZO data compression
- Select "Use a TCP connection"

	Security	TLS Authenti	cation	Proxies		
Use custon	n gateway port:	80 - +				
Use custon	n renegotiation in	nterval: 0	- +			
Use LZO da	ta compression					
Use a TCP o	onnection					
Set virtual	device type: TU	JN - and name:	(automat	ic)		
Use custon	n tunnel Maximu	m Transmission Un	it (MTU):	1500 -	+	
Use custon	1 UDP fragment s	size: 1300 –	+			
Restrict tu	inel TCP Maximu	im Segment Size (N	1SS)			
Randomize	remote hosts					
	k ninterval: 30	- +				
 IPv6 tun lin Specify pin 	gintervat. 50					
 IPv6 tun lin Specify pin Specify exil 	: or restart ping:	ping-restart 🔻	30	- +		
 IPv6 tun lin Specify pin Specify exil Accept aut 	t or restart ping: henticated packe	ping-restart 🔻	30 ss (Float)	- +		

13. From Security tab select following options:

- From Cipher: Select AES-256-CBC or desired encryption
- From HMAC Authentication: Select SHA-1

General	Security	TLS Authentical			Proxies		
	Cipher:	AES-256-C	BC	•			
Use custom	size of cipher key:	128		+			
нм	AC Authentication:	SHA-1		•			

14. Form TLS Authentication tab:

- Select Use additional TLS authentication
- · Click on folder icon next to Key File

15. Go to extracted folder,

Select the Wdc.key file from the extracted penguinvpn-desktop-configuration-files folder and click "Open".

General	Security	TLS Authentication	Proxies	
Subject Match:				
	Connect only to : Example: /CN=m	servers whose certificate ma yvpn.company.com	tches the given subject.	
Verify peer (se	erver) certificat	e usage signature		
Remote peer cert	ificate TLS type	: Server 🔻		
🗌 Verify peer (se	erver) certificat	e nsCertType designation		
Remote peer cert	ificate nsCert d	esignation: Server 🔻		
Use additiona	l TLS authentic	ation		
Key File:	😨 Wdc.key			i P
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16. Do the following:

- Select "1" from Key Direction
- Click on "OK"

17. Click on "Save..." and close the "Network Connections" window

18. Now:

- Click on "Network Connection Icon..."
- Go to VPN Connections and select newly created "PenguinVPN" connection.

	Ethernet Network	
	disconnected	
	Wi-Fi Networks	
	🖷 libreCMC-VPN	
	Disconnect	
	More networks	۲
	Connect to Hidden Wi-Fi Network Create New Wi-Fi Network	
PenguinVPN	VPN Connections	×
Configure VPN	Enable Networking	
Disconnect VPN	🗹 Enable Wi-Fi	
	Connection Information	
	Edit Connections	

19. Now check your connection by visiting

http://www.infosniper.net/

