



User manual:

OpenVPN Installation and Configuration
(Windows, Linux, MacOS)



Index

Using Windows:	1
Step 1 – Download the client	1
Step 2 – Run the installer	1
Step 3 – Download the configuration files	2
Step 4 – Connect to the VPN server	2
Using Linux	3
Step 1 – Download the client	3
Step 2 – Download the configuration files	3
Step 3 – Connect to the VPN server	4
Using MacOS	5
Step 1 – Download the client	5
Step 2 – Download the configuration files	5
Step 3 – Install the program/configuration	5
Step 4 – Connect to the VPN server	6

Using Windows:

Step 1 – Download the client

Go to <https://openvpn.net/community-downloads> and download the Installer.

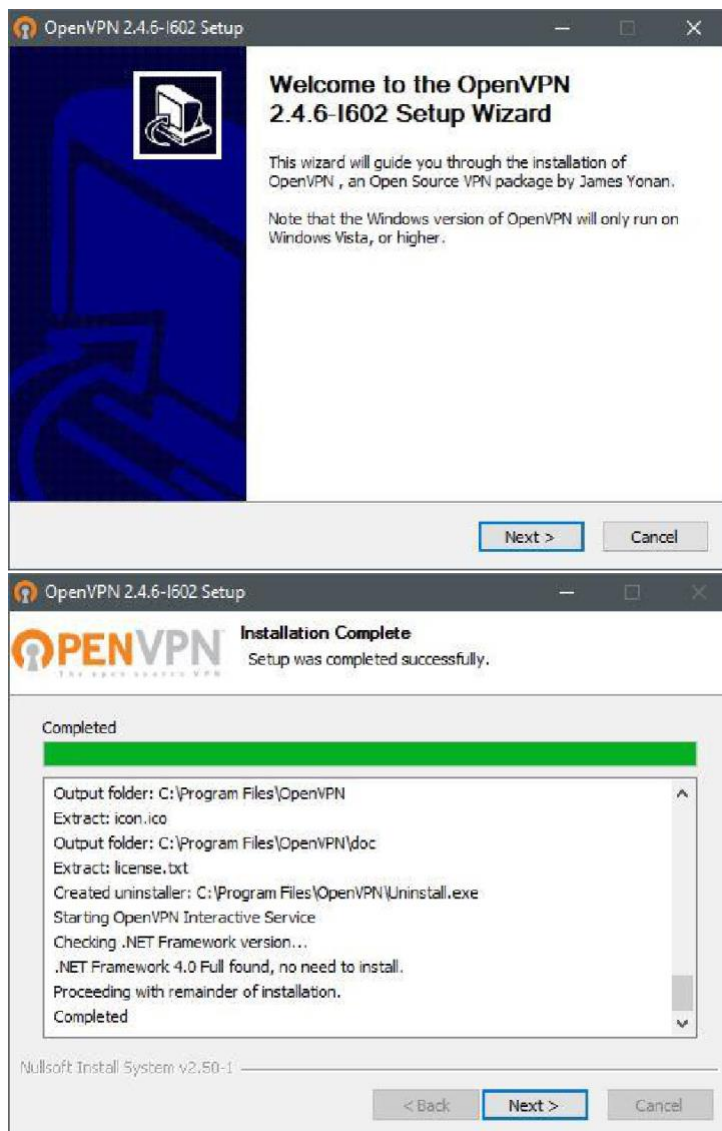
For Windows choose the Windows Installer (NSIS) option.

SOURCE TARBALL (GZIP)	GnuPG Signature	openvpn-2.4.6.tar.gz
SOURCE TARBALL (XZ)	GnuPG Signature	openvpn-2.4.6.tar.xz
SOURCE ZIP	GnuPG Signature	openvpn-2.4.6.zip
WINDOWS INSTALLER (NSIS)	GnuPG Signature	openvpn-install-2.4.6-I602.exe

Step 2 – Run the installer

After downloading, click on the installer (openvpn-install-2.4.6-I602 .exe) and follow the steps.

No changes are needed during installation (Accept and install when asked).



Step 3 – Download the configuration files

Download: https://engageska-portugal.pt/theme/files/SKA_VPN.zip

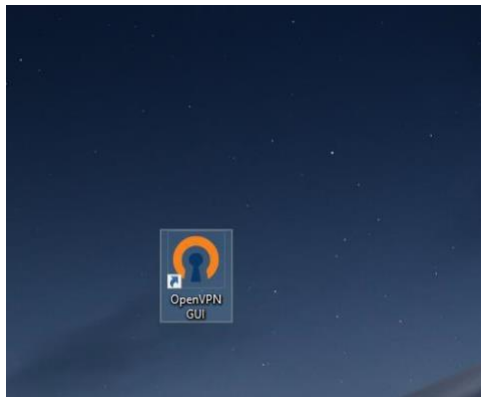
The ZIP contains 3 files: Certificate, OpenVPN Config File and the Key File.

Extract to **C:\Program Files\OpenVPN\config**

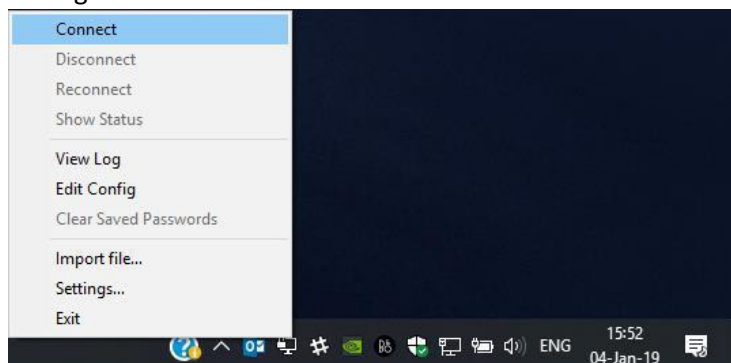
Delete the previous files in the “config” folder.

Step 4 – Connect to the VPN server

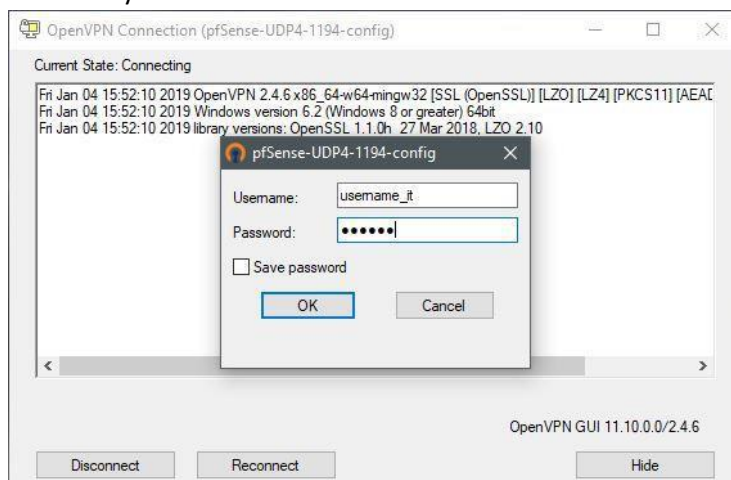
4.1 To start click the desktop shortcut created during the installation.



4.2 Right click on the taskbar icon and **Connect**.



4.3 Enter your SKA credentials and click **OK**.



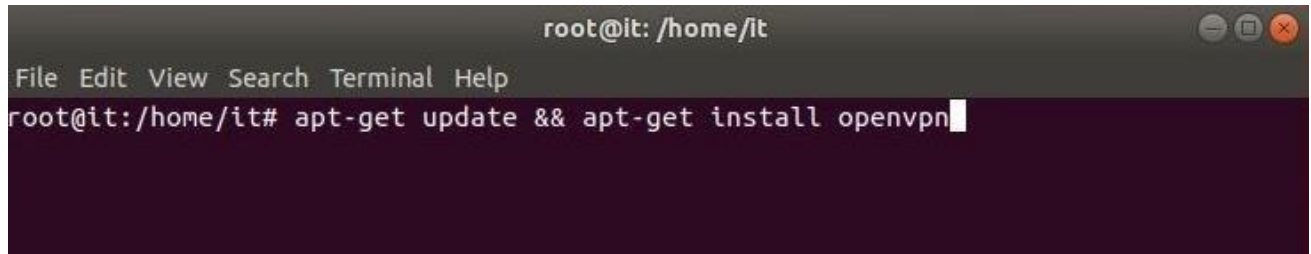
----- WINDOVS ENDS HERE -----

Using Linux

Step 1 – Download the client

On Debian/Ubuntu run the following command:

```
apt-get update && apt-get install openvpn
```



```

root@it: /home/it
File Edit View Search Terminal Help
root@it:/home/it# apt-get update && apt-get install openvpn

```

Step 2 – Download the configuration files

Download: https://engageska-portugal.pt/theme/files/SKA_VPN.zip

The ZIP contains 3 files: Certificate, OpenVPN Config File and the Key File.

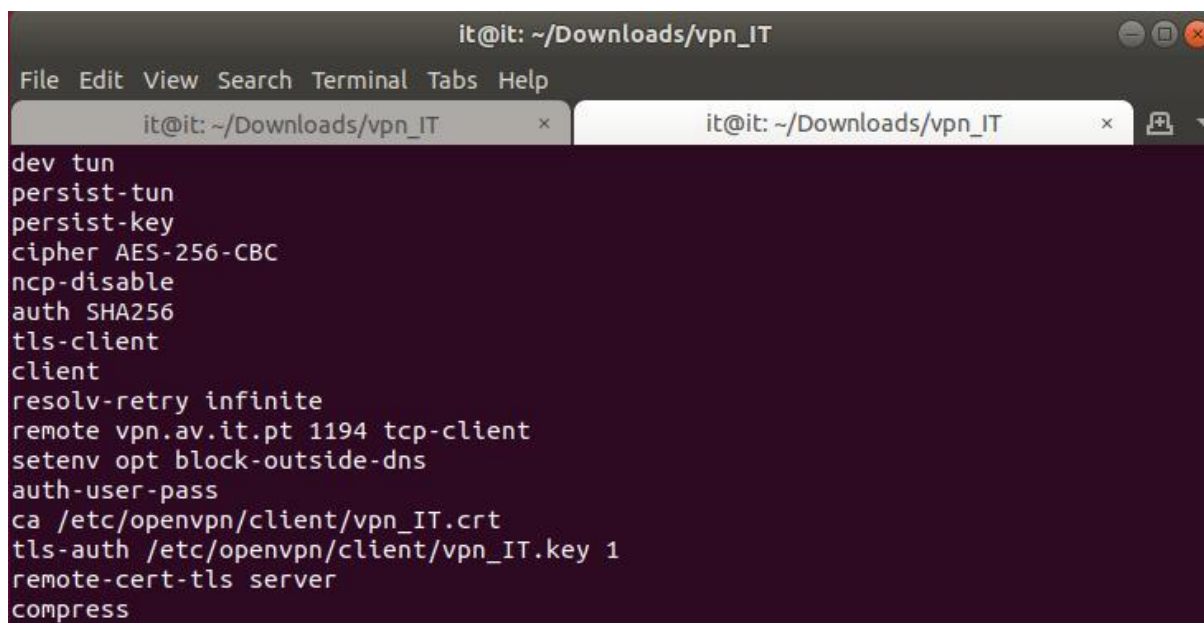
Extract the files to **/etc/openvpn/client**

Delete the previous files in the “client” folder.

IMPORTANT: Edit the file **SKA.ovpn** and enter the full path of the CA and Key.

```
ca /etc/openvpn/client/SKA.crt
```

```
tls-auth /etc/openvpn/client/SKA.key 1
```



```

it@it: ~/Downloads/vpn_IT
File Edit View Search Terminal Tabs Help
it@it: ~/Downloads/vpn_IT x it@it: ~/Downloads/vpn_IT x
dev tun
persist-tun
persist-key
cipher AES-256-CBC
ncp-disable
auth SHA256
tls-client
client
resolv-retry infinite
remote vpn.av.it.pt 1194 tcp-client
setenv opt block-outside-dns
auth-user-pass
ca /etc/openvpn/client/vpn_IT.crt
tls-auth /etc/openvpn/client/vpn_IT.key 1
remote-cert-tls server
compress

```

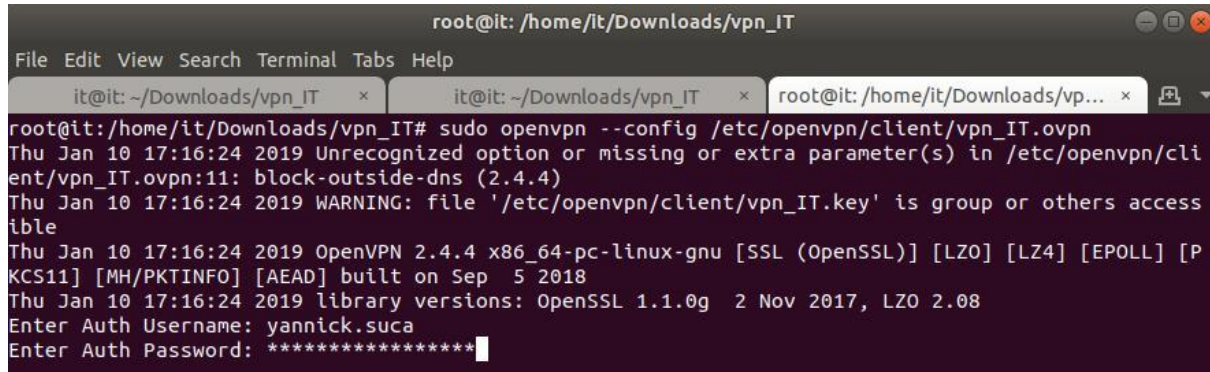
(Image does not correspond to the final result. This tutorial is a modified version of another VPN tutorial)

Step 3 – Connect to the VPN server

Run this command to start the connection:

```
sudo openvpn --config /etc/openvpn/client/SKA.ovpn
```

Enter your SKA username and password.



```
root@it: /home/it/Downloads/vpn_IT
File Edit View Search Terminal Tabs Help
it@it: ~/Downloads/vpn_IT x it@it: ~/Downloads/vpn_IT x root@it: /home/it/Downloads/vp... x
root@it:/home/it/Downloads/vpn_IT# sudo openvpn --config /etc/openvpn/client/vpn_IT.ovpn
Thu Jan 10 17:16:24 2019 Unrecognized option or missing or extra parameter(s) in /etc/openvpn/client/vpn_IT.ovpn:11: block-outside-dns (2.4.4)
Thu Jan 10 17:16:24 2019 WARNING: file '/etc/openvpn/client/vpn_IT.key' is group or others accessible
Thu Jan 10 17:16:24 2019 OpenVPN 2.4.4 x86_64-pc-linux-gnu [SSL (OpenSSL)] [LZO] [LZ4] [EPOLL] [PKCS11] [MH/PKTINFO] [AEAD] built on Sep 5 2018
Thu Jan 10 17:16:24 2019 library versions: OpenSSL 1.1.0g 2 Nov 2017, LZO 2.08
Enter Auth Username: yannick.suca
Enter Auth Password: *****
```

(Image does not correspond to the final result. This tutorial is a modified version of another VPN tutorial)

----- LINUX ENDS HERE -----

Using MacOS

Step 1 – Download the client

Download the client using this link: https://tunnelblick.net/release/Latest_Tunnelblick_Stable.dmg
or

go to the website and download the latest stable release: <https://tunnelblick.net>



Step 2 – Download the configuration files

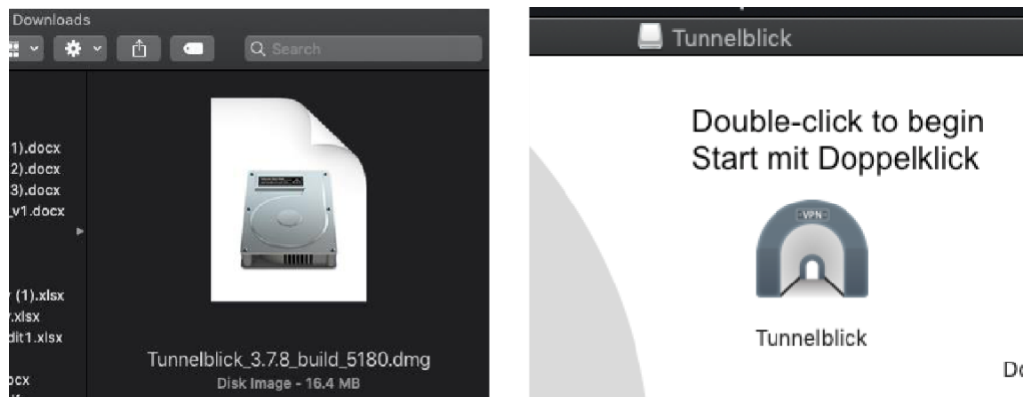
Download: https://engageska-portugal.pt/theme/files/SKA_VPN.zip

The ZIP contains 3 files: Certificate, Key File and the OpenVPN Config File.

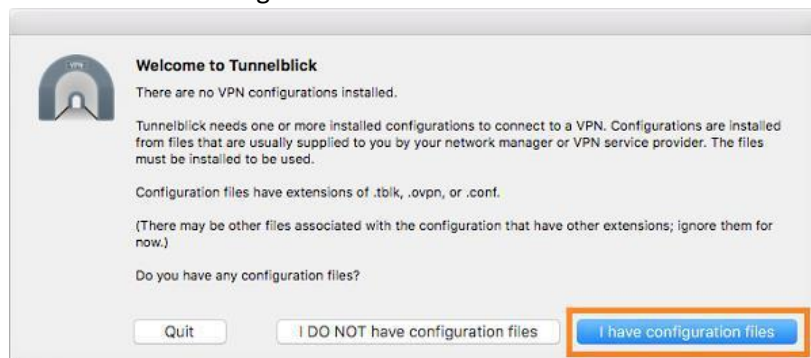
Extract the files to a folder.

Step 3 – Install the program/configuration

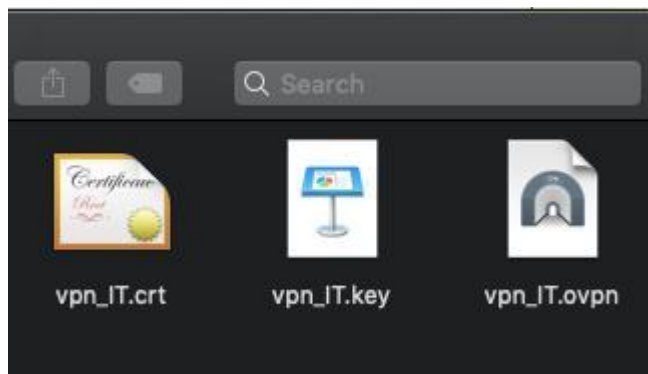
After downloading, click on the installer (Tunnelblick_3.7.8_build_5180.dmg) and follow the steps. (Accept and install when asked).



Click on “I have configuration files”.



Open/Double click on the extracted file “SKA.ovpn” to install the configuration.



(Image does not correspond to the final result. This tutorial is a modified version of another VPN tutorial)

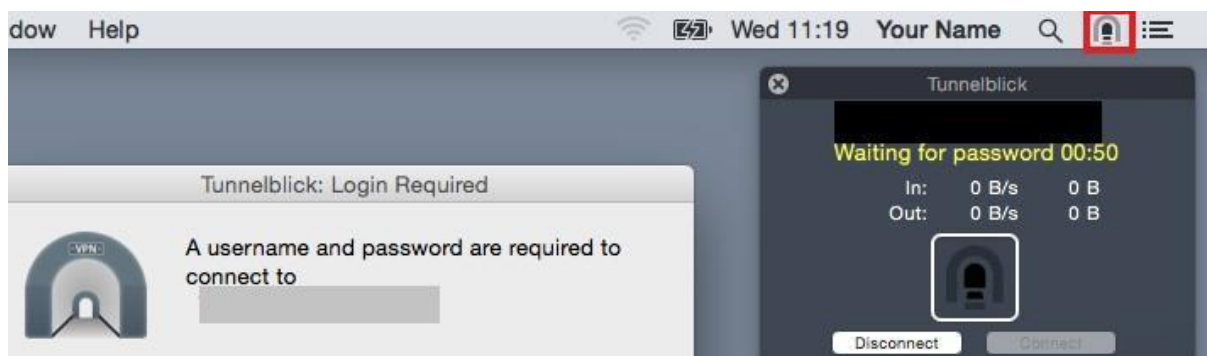
Step 4 – Connect to the VPN server

Open **Tunnelblick**, under the **configurations** click on the SKA VPN and **connect**.

or

Click on the **Tunnelblick icon** in the taskbar and **connect**.

Enter your SKA **username** and **password**. (Optional) **Save in keychain** to remember the user/password.



----- MACOS ENDS HERE -----