

Jul 2021 install on Raspberry Pi 3

RPi lite OS dated 7 may 2021 flashed to SD with Balena Etcher

Vodafone router with Static IP business contract

- has static ports mapped through UDP and TCP 51820 service name wireguard.
- Under Settings Local Network has MAC-ADDRESS assigned static IP - MYIP
devicename raspberrypi

Login pi raspberry

passwd change

In Terminal:

ifconfig confirms is the MAC address in router

sudo apt update

sudo apt full-upgrade

sudo apt install curl -y

curl -L https://install.pivpn.io | bash

pivpn automated installer - Enter

static IP Needed - Enter

DHCP reservation -Yes

Local Users - Enter

Choose A User - pi OK

Installation mode - WireGuard OK

Default Wireguard port - 51820

Confirm Custom Port Number - Enter

DNS Provider - CloudFlare

Public IP or DNS - Use this public IP

Server Information - Enter

Unattended upgrades - Enter YES

Installation complete - Enter

Reboot - Yes Enter

pivpn add

Enter name for client - MYDEVICENAME

Download wireguard app to the device

On Raspberrypi - pivpn -qr DEVICENAME

On device in wireguard app Add a tunnel, create from QR code.

Point camera at QR code generated on pivpn screen and install profile.

For Macbook etc no Wireguard QR app so mounted drive on Pi to transfer file:

```
sudo lsblk -o UUID,NAME,FSTYPE,SIZE,MOUNTPOINT,LABEL,MODEL
```

```
sudo mkdir /media/pi
```

```
sudo mkdir /media/pi/tfer
```

```
sudo mount /dev/sda2 /media
```

```
sudo cp /home/pi/configs/MacBook.conf /media/pi/tfer
```

```
sudo umount /media/pi/tfer
```