WireGuard (VPN)

WireGuard® is an extremely simple yet fast and modern VPN that utilizes state-of-the-art cryptography. It aims to be faster, simpler, leaner, and more useful than IPsec, while avoiding the massive headache. It intends to be considerably more performant than OpenVPN.

- WireGuard

WireGuard

- Each Ultra.cc service comes with a total of five different peer configurations that you can use to connect to your WireGuard service.
- This means that at one time, you can have a total of 5 different devices connected to your WireGuard service.

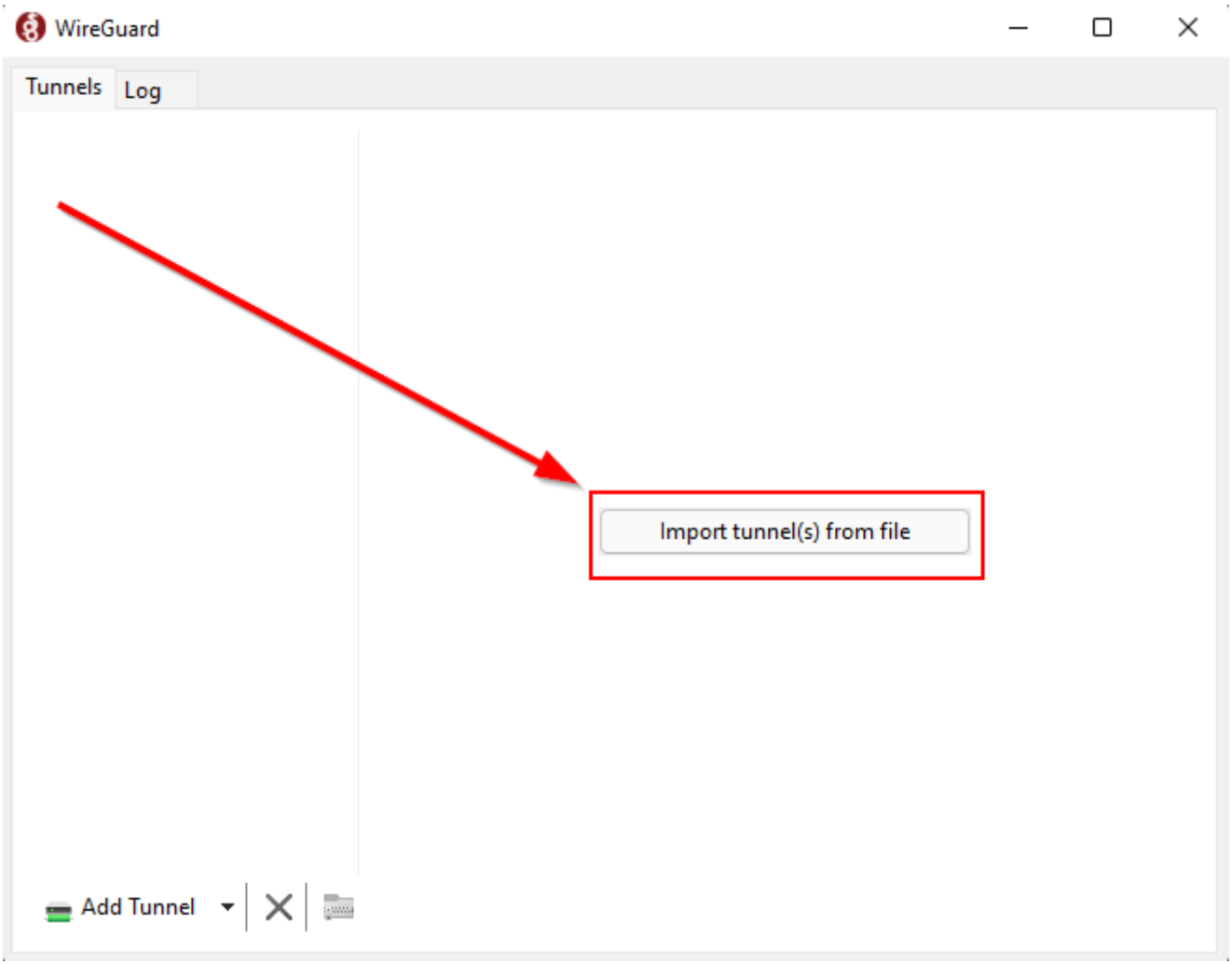
Install WireGuard on your Ultra.cc Service

- Login to your Ultra Control Panel.
- Go to the `Installers` tab and install `WireGuard`.

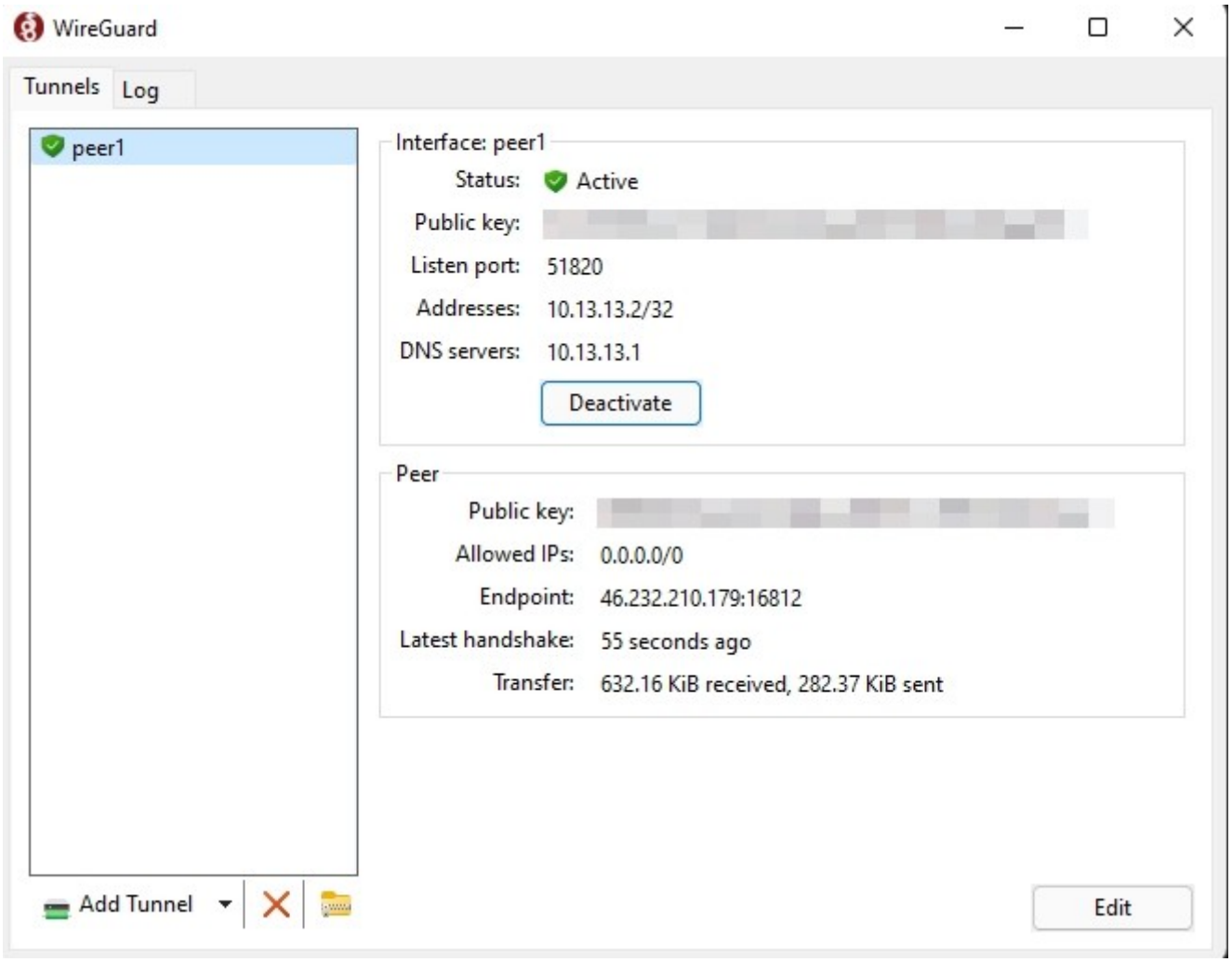
Setup WireGuard on your Device

Windows

- Login to your Ultra Control Panel.
- Go to the `Apps Tab -> WireGuard` and click on `Show info`.
- Click on `View Config (#)` for one of the configurations and save it on your PC by clicking on the `Download` button.
- Download WireGuard for Windows here and install it.
- Launch WireGuard and click on `Import tunnel(s) from file`.



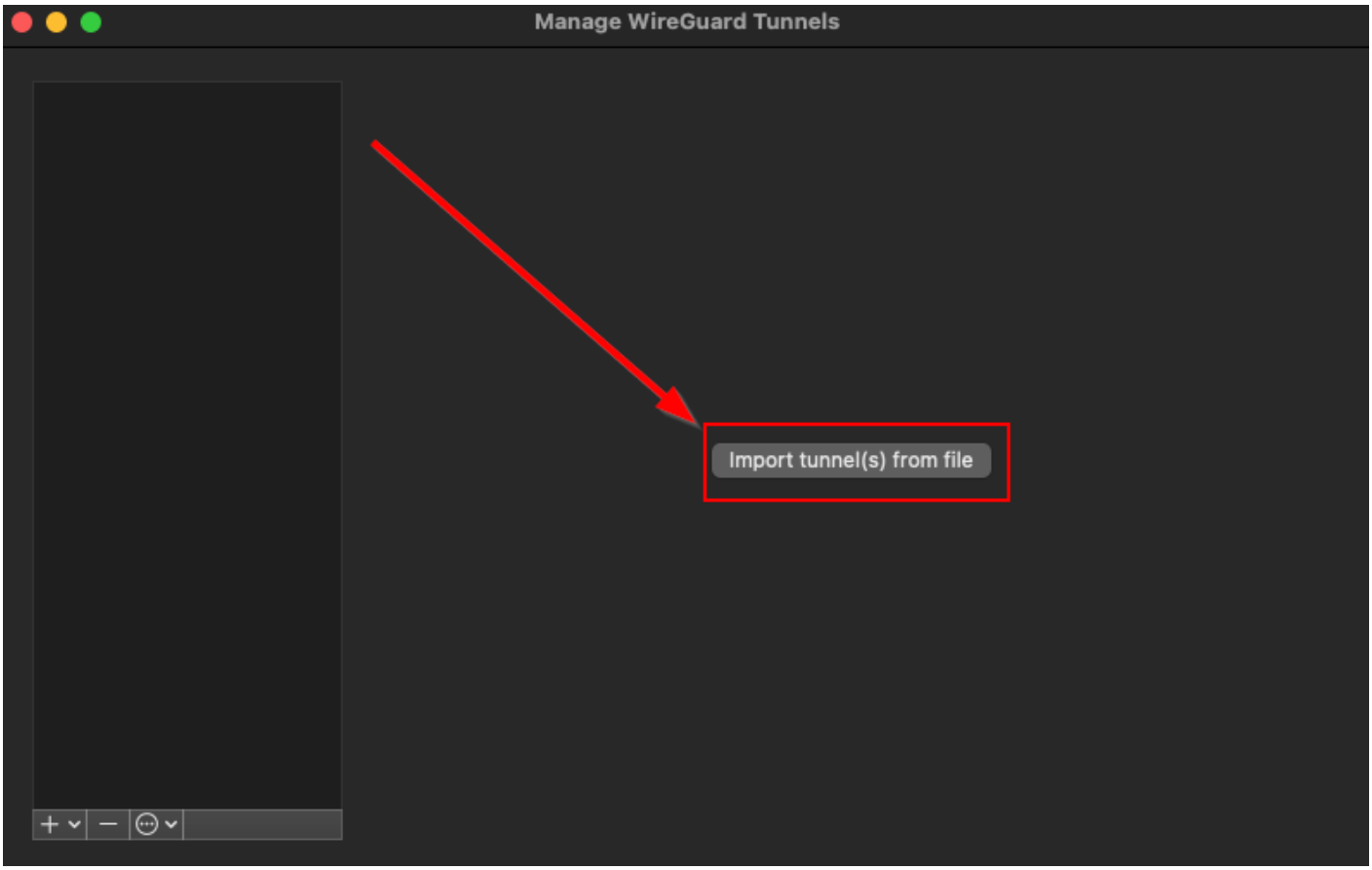
- Choose the `wireguard-config-peer#.zip` file that you downloaded. In the example given below, we are using `peer1`.
- Click on `Activate`.



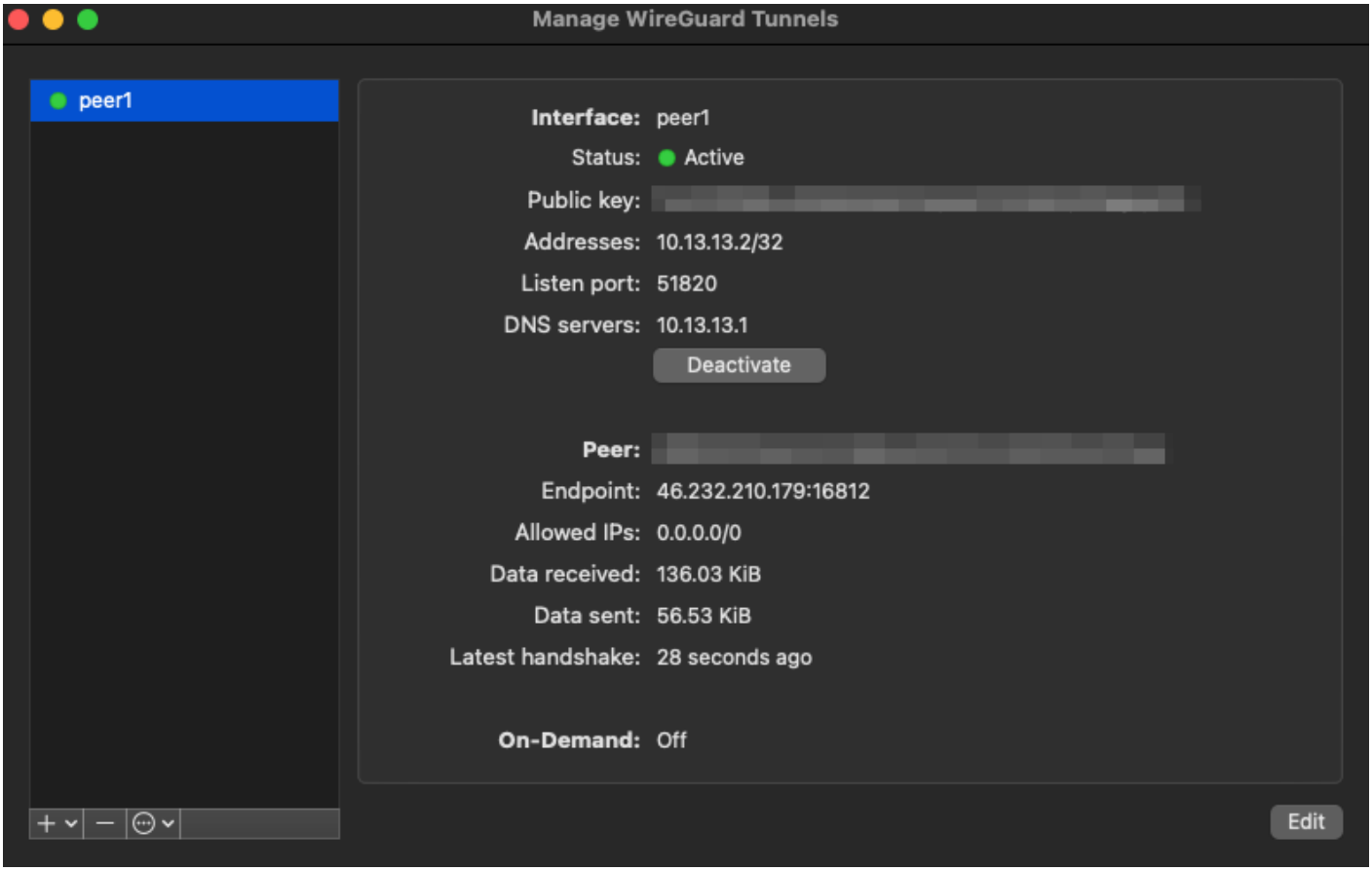
- Check your IP address from What is my IP address to confrim that the VPN connection is working.

MacOS

- Login to your Ultra Control Panel.
- Go to the `Apps Tab -> WireGuard` and click on `Show info`.
- Click on `View Config (#)` for one of the configurations and save it on your Mac by clicking on the `Download` button.
- Launch the `App Store` and seach for `WireGuard`.
- Click on `Get` and then `Install`.
- Launch `WireGuard` using SpotLight Search or by using the `Open` button in the `App Store`.
- Click on `Import tunnel(s) from file`.



- Choose the `wireguard-config-peer#.zip` file that you downloaded. In the example given below, we are using `peer1`.
- Click on `Activate`.



- Check your IP address from What is my IP address to confrim that the VPN connection is working.

Linux (Ubuntu)

- Specific install instructions for `Ubuntu 20.04 LTS` have been described below. They may differ slightly for other Linux Distros.
- You can view install instructions for other Linux distros over here.
- Login to your Ultra Control Panel.
- Go to the `Apps Tab -> WireGuard` and click on `Show info`.
- Click on `View Config (#)` for one of the configurations and save it on your PC by clicking on the `Download` button.
- Launch a `Terminal` window to execute some commands.
- Install `WireGaurd`, `resolvconf` & `unzip`:

```
sudo apt install wireguard resolvconf unzip
```

- Navigate to the directory that you downloaded your WireGuard configuration to and extract the `*.conf` file from it. Let us assume that the download was made to `~/Downloads` and that `Config (1)` was downloaded:

```
cd ~/Downloads/
unzip wireguard-config-peer1.zip *.conf

Note: The wireguard-config-peer# will change depending on the configuration that you have downloaded.
```

- Move the extracted configuration file `peer1.conf` to `/etc/wireguard/`.

```
sudo mv peer1.conf /etc/wireguard/

Note: The peer# will change depending on the configuration that you have downloaded.
```

- Reload systemd daemon and then start the WireGuard service:

```
sudo systemctl daemon-reload
sudo systemctl start wg-quick@peer1

Note: The peer# will change depending on the configuration that you have downloaded.
```

- Check the status of WireGuard, it should look similar to the screenshot given below:

```
sudo wg
```

```
[ultradocs@roxy ~]$ cd ~/Downloads/
[ultradocs@roxy Downloads]$ unzip wireguard-config-peer1.zip *.conf
Archive:  wireguard-config-peer1.zip
  inflating: peer1.conf
[ultradocs@roxy Downloads]$ sudo mv peer1.conf /etc/wireguard/
[ultradocs@roxy Downloads]$ sudo systemctl daemon-reload
[ultradocs@roxy Downloads]$ sudo systemctl start wg-quick@peer1
[ultradocs@roxy Downloads]$ sudo wg
interface: peer1
  public key:
  private key: (hidden)
  listening port: 51820
  fwmark: 0xca6c

peer:
  preshared key: (hidden)
  endpoint: 46.232.210.179:16812
  allowed ips: 0.0.0.0/0
  latest handshake: 12 seconds ago
  transfer: 1020 B received, 724 B sent
[ultradocs@roxy Downloads]$
```

- Check your IP address from What is my IP address to confrim that the VPN connection is working.
- Stop the WireGuard service:

```
sudo systemctl stop wg-quick@peer1


Note:  The peer# will change depending on the configuration that you have downloaded.
```

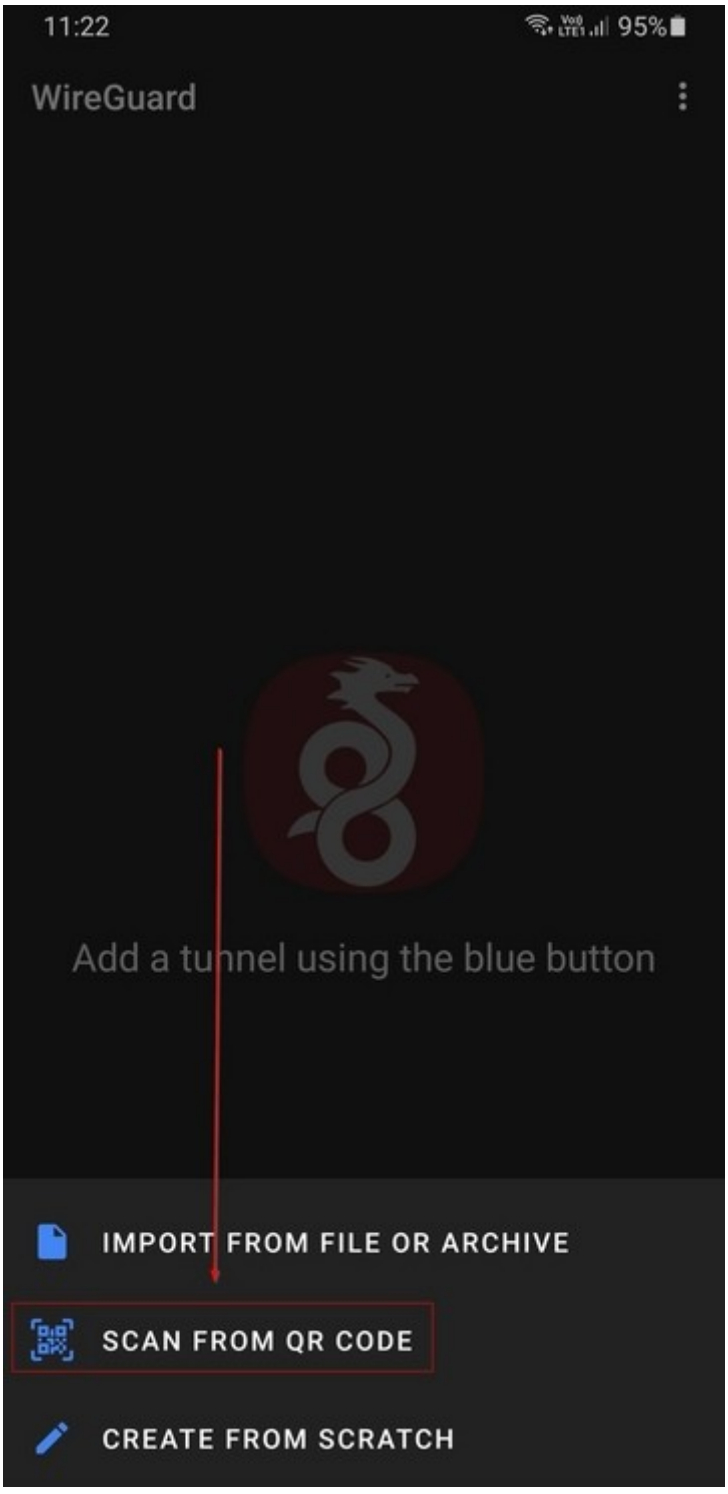
Mobile Clients

Android

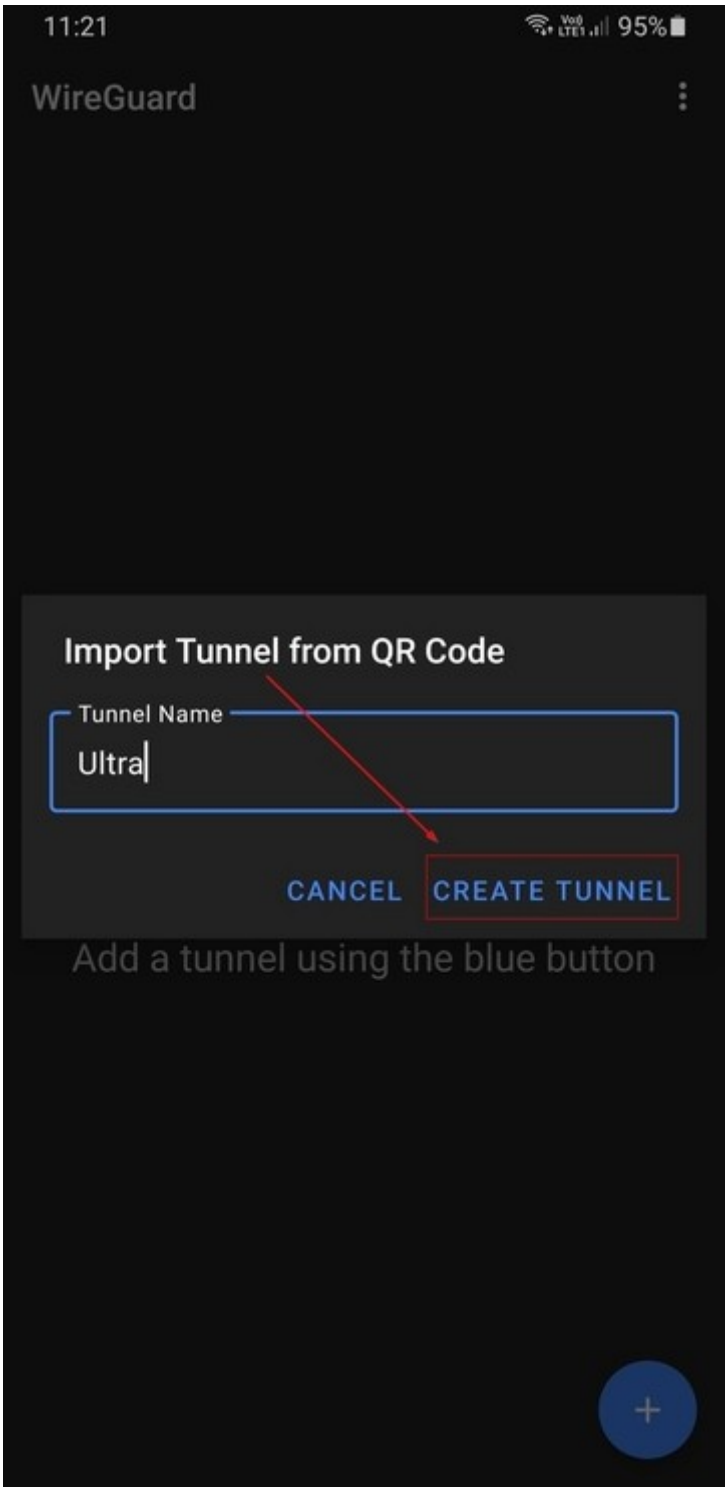
- Login to your Ultra Control Panel.
- Go to the `Apps Tab -> WireGuard` and click on `Show info`.
- Click on `View Config (#)` for one of the configurations. It will display a QR code.
- Install the WireGuard application from the Google Play Store.
- Launch it and click on the `+` button.



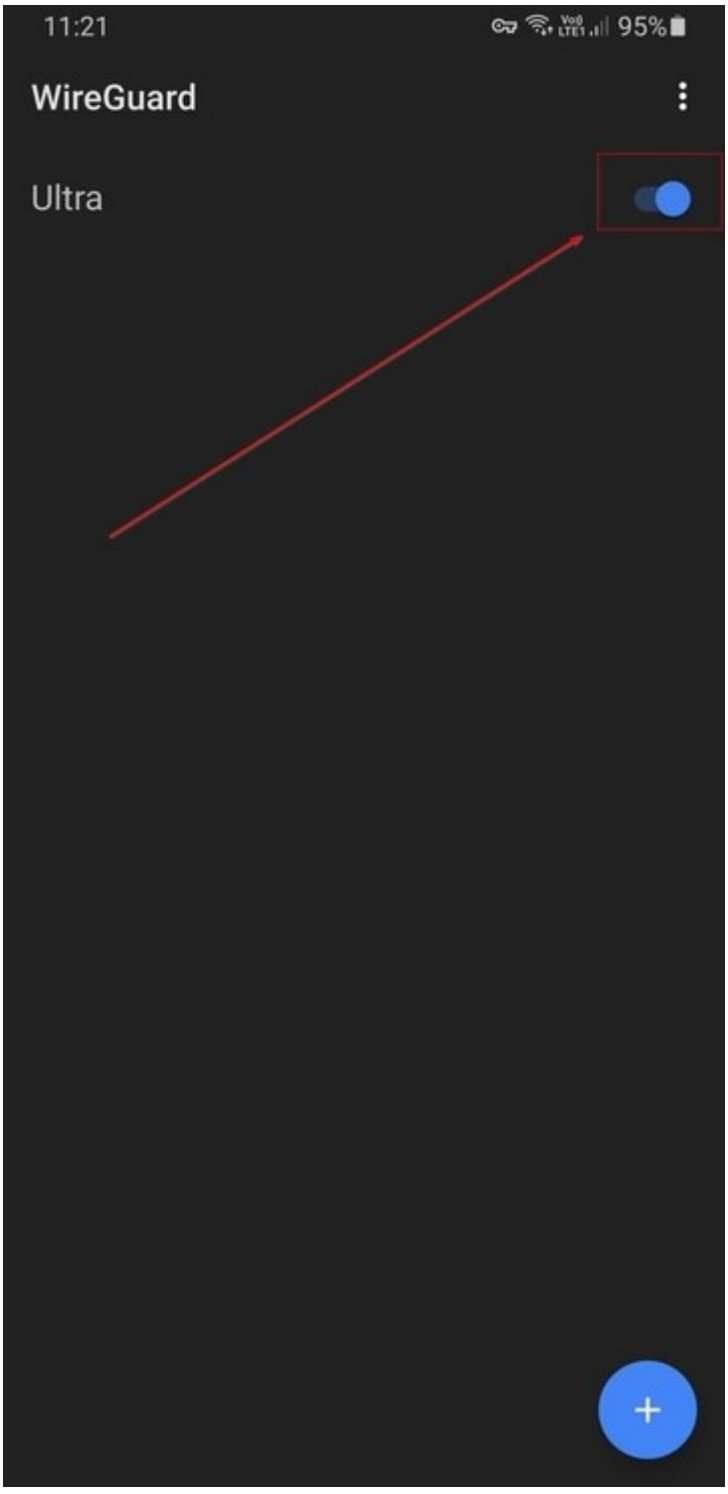
- Select `SCAN FROM QR CODE`.



- Scan the QR code of the WireGuard configuration on your screen.
- Name the tunnel as per your preference and select `CREATE TUNNEL`.

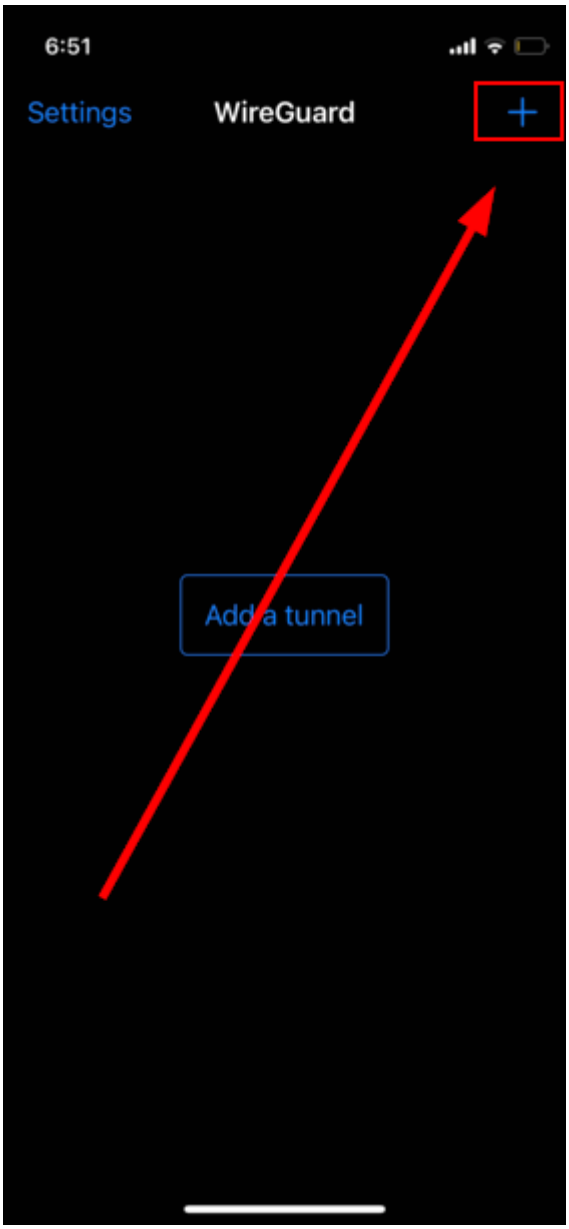


- Finally, enable the tunnel.

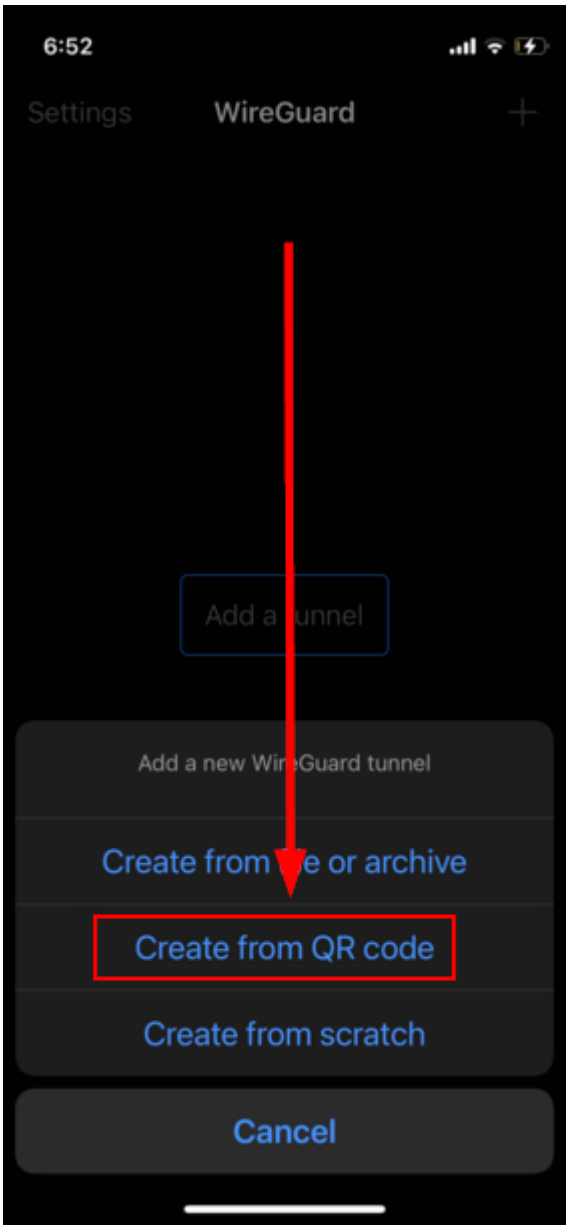


iOS

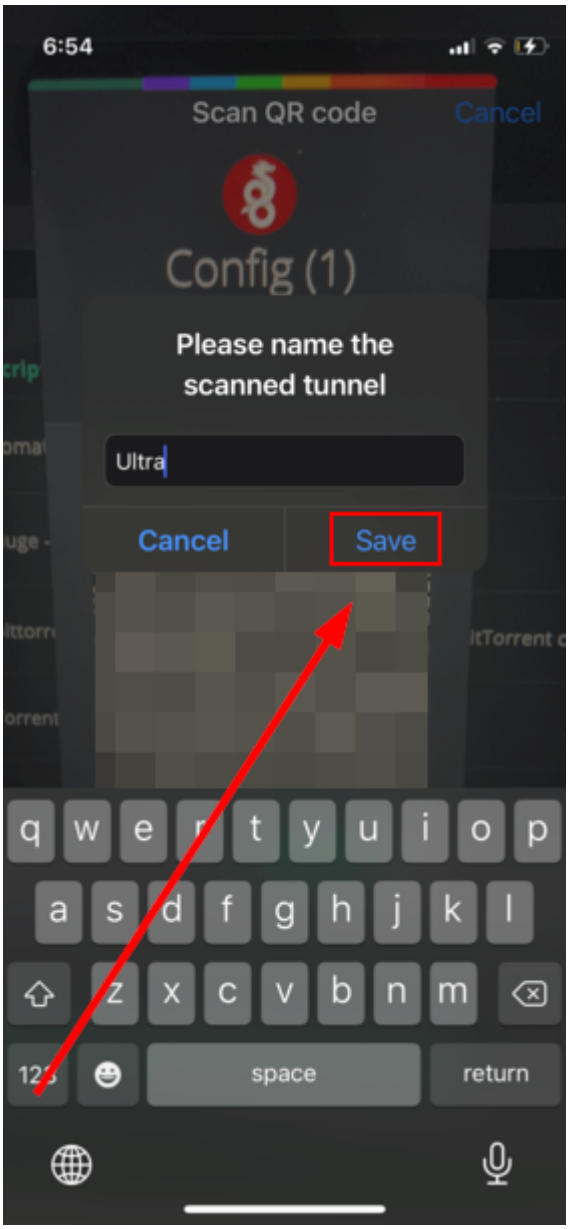
- Login to your Ultra Control Panel.
- Go to the `Apps Tab -> WireGuard` and click on `Show info`.
- Click on `View Config (#)` for one of the configurations. It will display a QR code.
- Install the WireGuard application from the App Store.
- Launch it and click on the `+` button.



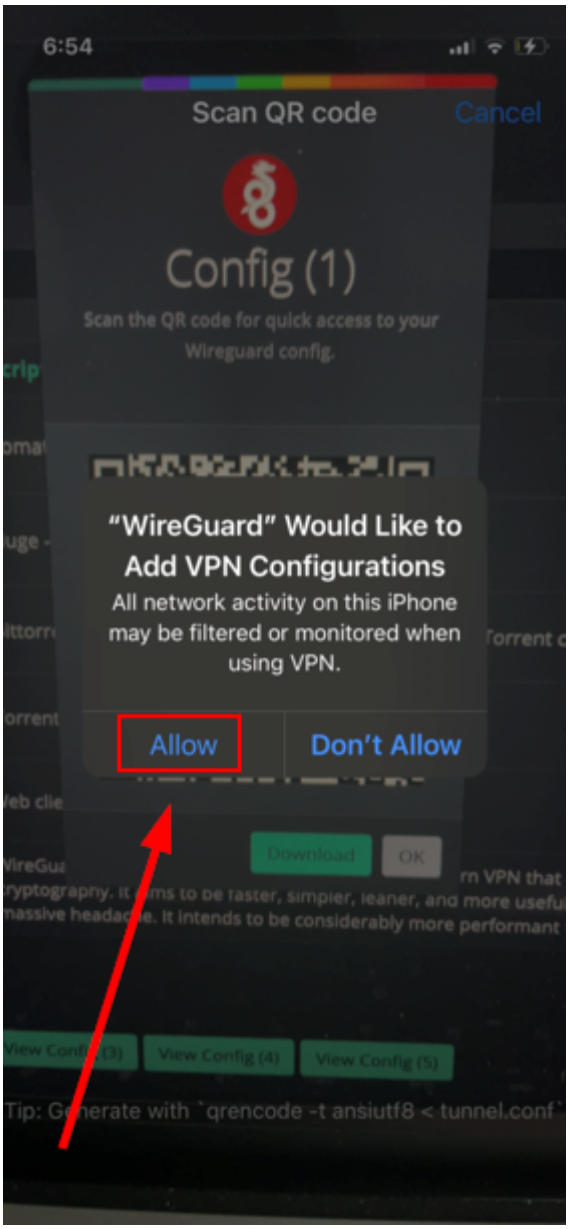
- Select `Create from QR code`.



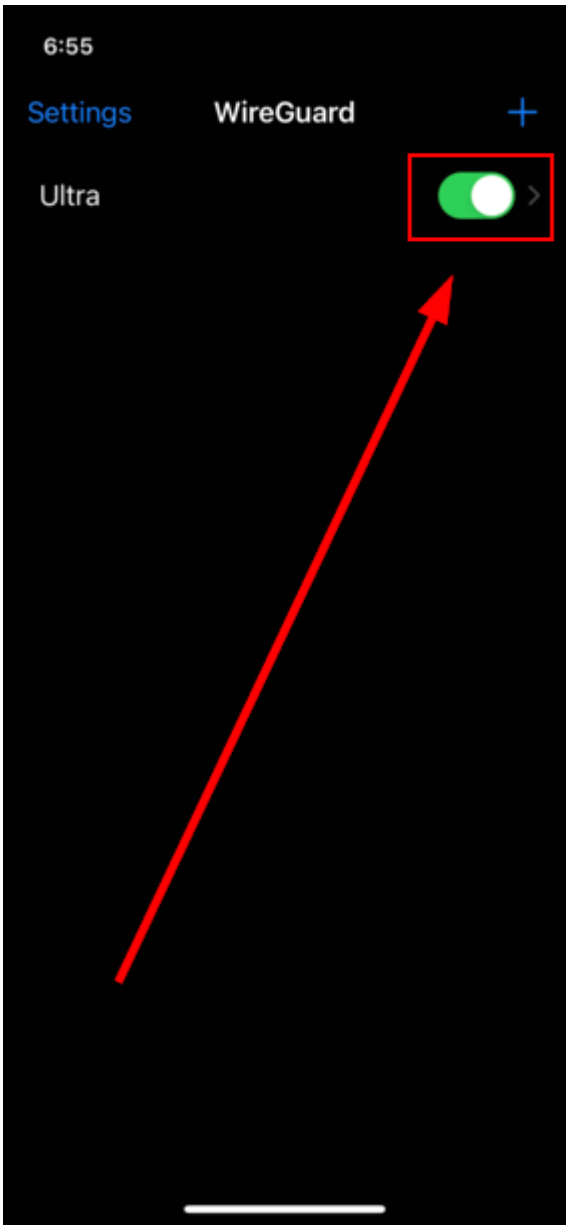
- Scan the QR code of the WireGuard configuration on your screen.
- Name the tunnel as per your preference and click on `Save`.



- Accept the permissions prompt by clicking on `Allow`.



- Finally, enable the tunnel.


6:55
Settings
WireGuard
Ultra