

WireGuard clients configuring

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WireGuard Official clients

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Our solution works great with official client programs. We strongly invite you to use them.



You can download from the

<https://www.wireguard.com/install/>

Please always download latest versions. The following list is intended as a general direction only.

Windows [7, 8.1, 10, 11, 2008R2, 2012R2, 2016, 2019, 2022 – v0.5.3]

[Download Windows Installer](#)

[Browse MSIs](#)

macOS [[app store](#) – v1.0.15]

[Download from App Store](#)

Android [[play store](#) – vunknown – out of date & [f-droid](#) – v1.0.20220516]

[Download from Play Store](#)

[Download from F-Droid](#)

iOS [[app store](#) – v1.0.15]

[Download from App Store](#)

Debian/Ubuntu

```
$ sudo apt install wireguard
```

Android WireGuard client configuration

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In order to connect to a VPN, follow these steps:

1. Open the link you received in a browser to get instructions and configuration for your new VPN connection. And you will see the following page in the browser window

This is a one-time link with configuration options

2. Since we are setting up a connection for an android device, we need the WireGuard client for android. To download the client on your phone, open the link on your mobile device and click "Download client Android"

WireGuard

11:58

138K6/c



dev.softkeel.com/otl/15c825a1



3. After you click on the "Download client Android" button, your application store will open, where you need to install your client for Android. Click "Install" to install the application on your mobile device.

This is a one-time link with configuration options

12:09

1.6MB/s



Google Play



4. After completing the app installation, open the app to configure your VPN connection.

12:11

76.1KB/s



Google Play



5. This is how the main window of the application looks like, which has no configured connections. To set up a new VPN connection, you must press the plus button.

12:11

142KB/s

6. After you click on the button that allows you to create a new connection, you will be presented with several options. Now we will use the QR code scanning method. Click on the "SCAN FROM QR CODE" button to start scanning.

WireGuard



Later in this manual, in point number 13, we will look at creating a connection

using a configuration file.

7. It is worth noting that if you are using the application for the first time, your device will ask you if you can allow access to the camera. You need to allow access to the camera, otherwise scanning will not be possible.

8. After you can already start scanning and see that your device is ready, point your camera at the QR code you received.

9. After scanning the code, when the scan was successful, the application will prompt you to enter a name for the new connection. Enter a name and save the new configuration by clicking on the "CREATE TUNNEL" button.

10. After you save your new connection, you will see a list of your VPN connections. Find the required connection to activate it and switch the slider to activation mode.

11. It is worth noting that if you have activated your connection for the first time, the system will ask you if it is possible to add such a connection, you must agree that a new connection will be established in order to establish a new connection.

12. And so, now your connection is established, you can notice that the slider is in activation mode and you can see a special system icon in the notification bar, which indicates that the VPN connection is activated.

13. To create a connection using a configuration file: You need to download the configuration file to your mobile device. To download this file, click on the "Download config file" button.



- 13:42 36.4KB/s
14. Once your configuration file has been downloaded to your device, you need to proceed. You need to return to the "WireGuard" application to import your configuration file. Click "IMPORT FROM FILE OR ARCHIVE" to start importing the configuration file.

- 13:43 0.0KB/s
15. Next, you will be prompted to find your configuration file. You need to find the configuration file and select it.

- 13:44 2.4KB/s
16. After you select your configuration file, the connection will be created.

- 13:44 105KB/s
17. To connect to a new VPN connection, you need to activate the slider opposite to the activate position.

13:45 0.9KB/s

VPN

macOS WireGuard client configuration

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In order to connect to a VPN, follow these steps:

1. Open the link you received in a browser to get instructions and configuration for your new VPN connection. And you will see the following page in the browser window

2. In order to start the configuration you need to download the configuration file. To download the configuration file, click the "Download configuration file" button.

3. Save the file to downloads or any other place to import later.

4. Since we are setting up a connection for an android device, we need the WireGuard client for macOS. To download the client on your device, open the link on your device and click "Download client macOS".

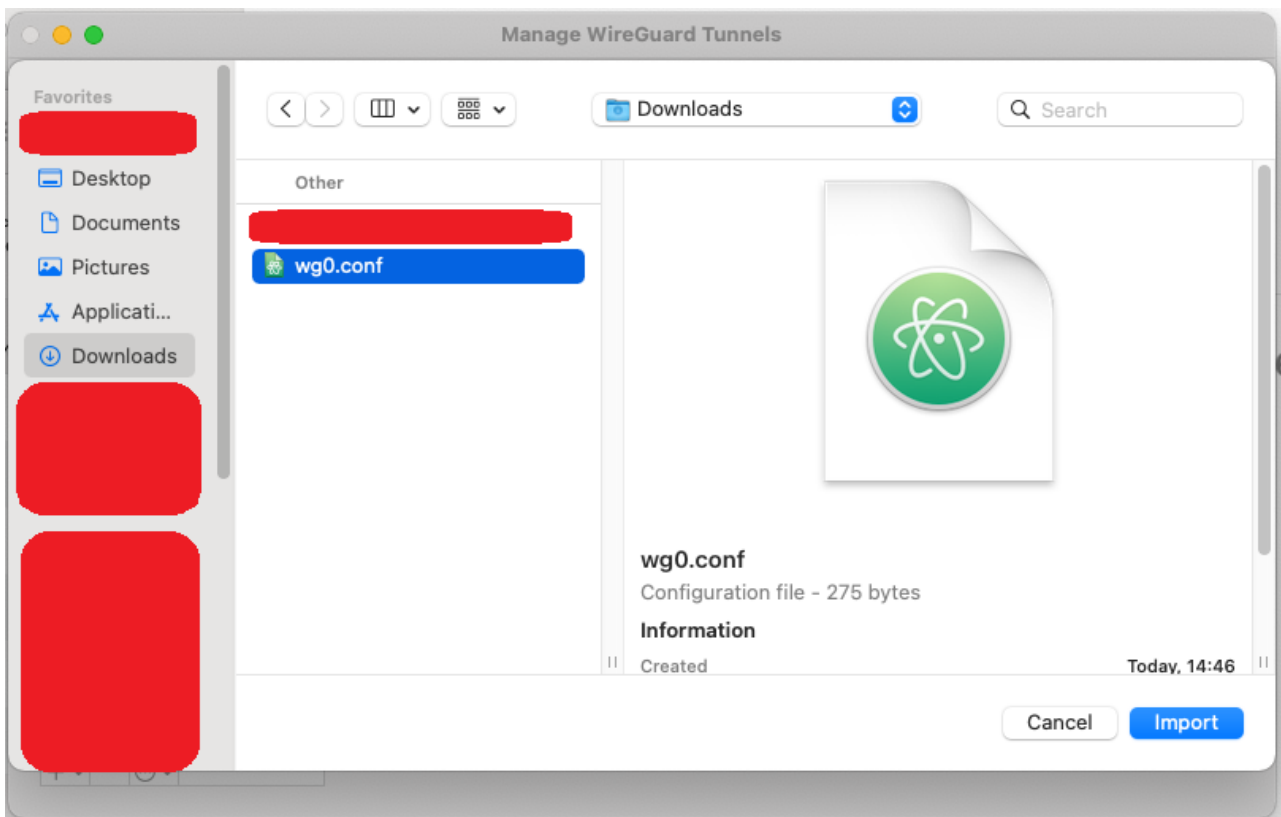
5. After you click on the "Download client macOS" button, your application store will open, where you need to install your client for macOS. Click "Get" and after "Install" to install the application on your device.

6. After completing the app installation, open the app to configure your VPN connection.

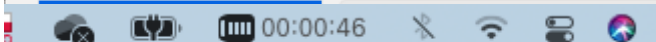
7. This is how the main window of the application looks like, which has no configured connections. To set up a new VPN connection, you must press the "Import tunnel(s) from file" button.

8. Next, you will be prompted to find your configuration file. You need to find the configuration file and select it.





9. After you select your configuration file, the connection will be created.
10. Click the "Activate" button. To activate your VPN connection.
11. Congratulations. Your VPN connection is active. We can see this by looking at the system icon bar.



Windows WireGuard client configuration

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In order to connect to a VPN, follow these steps:

1. Open the link you received in a browser to get instructions and configuration for your new VPN connection. And you will see the following page in the browser window

2. In order to start the configuration you need to download the configuration file. To download the configuration file click the "Download config file" button.

This is a one-time link with configuration options

3. Save the file to downloads or any other place to import later.
4. Since we are setting up a connection for an android device, we need the WireGuard client for Windows. To download the client on your device, open the link on your device and click "Download Client Windows".

5. Install the app on your device.

6. This is how the main window of the application looks like, which has no configured

connections. To set up a new VPN connection, you must press the "Import tunnel(s) from file" button.

7. Next you will be prompted to find your configuration file. You need to find the configuration file and select it.

8. After you select your configuration file, the connection will be created.

9. Click the "Activate" button. To activate your VPN connection.

10. Congratulations. Your VPN connection is active.

Linux WireGuard client configuration

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In order to connect to a VPN, follow these steps:

1. Open the link you received in a browser to get instructions and configuration for your new VPN connection. And you will see the following page in the browser window

2. In order to start the configuration you need to download the configuration file. To download the configuration file click the "Download config file" button

This is a one time link with configuration options

3. Save the file to downloads or any other place to import later. You can download the configuration file and move it to your server, or you can create a new file and copy the configuration text into it. We will copy the configuration text into a new file in this WireGuard client setup guide.

4. Since we are setting up a connection for an Linux device, we need the WireGuard client for Linux. To download and install the client on your device, by command `sudo apt install wireguard`

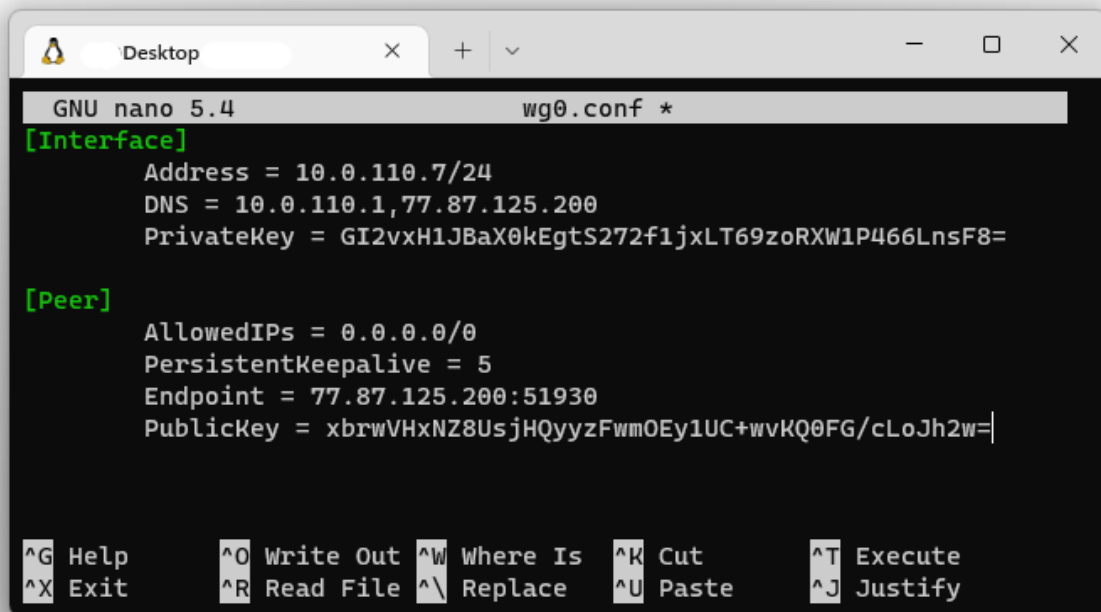
5. After installing the client, navigate to the folder `cd /etc/wireguard/` and create a configuration file. With the help of the command `nano wg0.conf`

6. Copy the configuration text into your terminal window.

```
[Interface]
Address = 10.0.110.7/24
DNS = 10.0.110.1,77.87.125.200
PrivateKey = GI2vxH1JBaX0kEgtS272f1jxLT69zoRXW1P466LnsF8=

[Peer]
AllowedIPs = 0.0.0.0/0
PersistentKeepalive = 5
Endpoint = 77.87.125.200:51930
PublicKey = xbrwVHxNZ8UsjHQyyzFwmOEy1UC+vvKQ0FG/cLoJh2w=
```





The image shows a terminal window titled 'Desktop' with a window manager bar. Inside, the GNU nano 5.4 editor is open, editing a file named 'wg0.conf'. The configuration is for a WireGuard interface and includes the following details:

```
GNU nano 5.4                               wg0.conf *
[Interface]
  Address = 10.0.110.7/24
  DNS = 10.0.110.1,77.87.125.200
  PrivateKey = GI2vxH1JBaX0kEgtS272f1jxLT69zoRXW1P466LnsF8=

[Peer]
  AllowedIPs = 0.0.0.0/0
  PersistentKeepalive = 5
  Endpoint = 77.87.125.200:51930
  PublicKey = xbrwVHxNZ8UsjHQyyzFwmOEy1UC+vvKQ0FG/cLoJh2w=

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify
```

7. Save the file, after saving the file you need to complete the connection.
Connect using the command: `sudo wg-quick up wg0`

Mikrotik WireGuard client configuration

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Configuring Mikrotik as an WireGuard Client.

Make sure you have an up to date **routerOS** system.

Version must be at least: 7.6

```
[admin@VPN-CLIENT] > system package print
Columns: NAME, VERSION
# NAME      VERSION
0 routeros  7.6
```

Open a single-use shipment on the **WireGuard** section for the client's configuration request

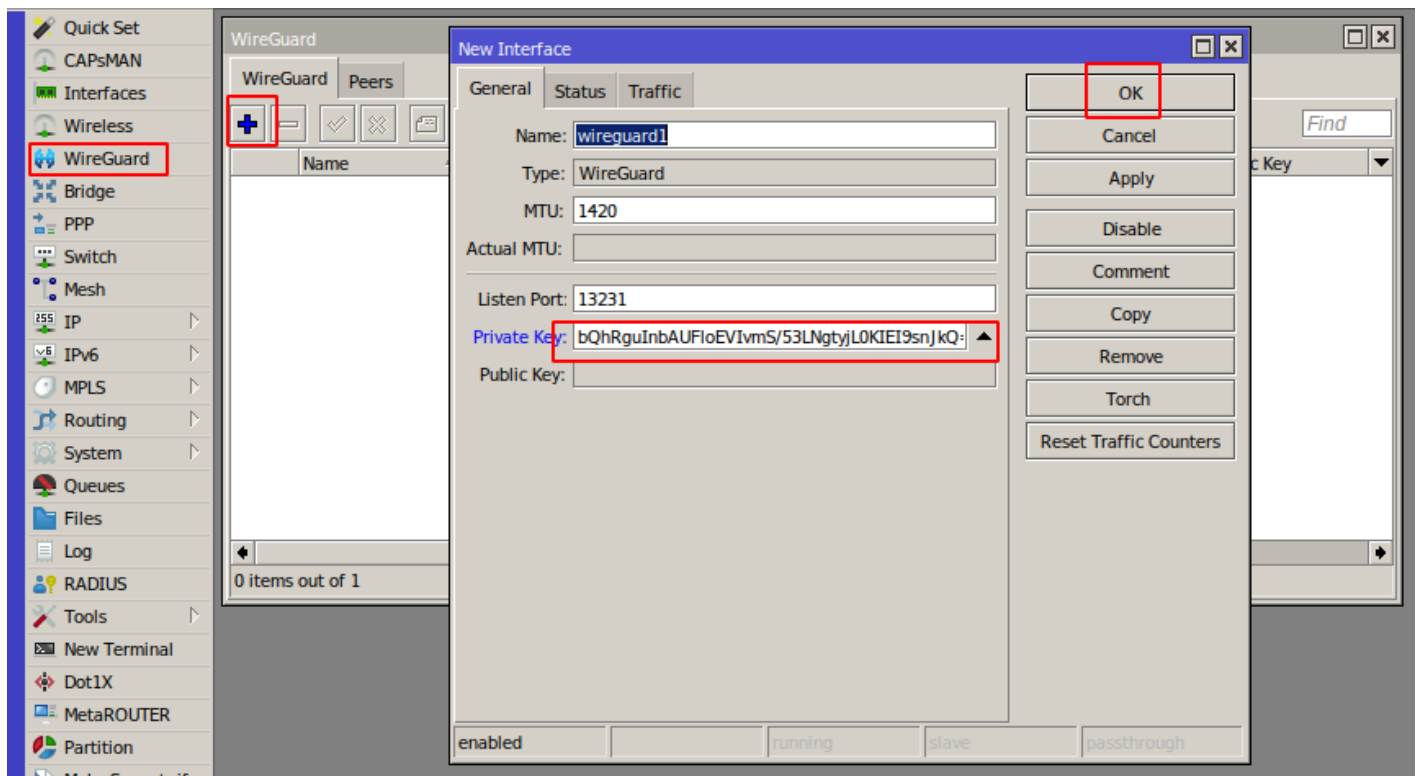
Download config file

```
[Interface]
  Address = 10.0.110.15/24
  DNS = 10.0.110.1,77.87.125.200
  PrivateKey = KgbQhRguInbAUFloEVlvmS/53LNgtYjL0KIEI9snJkQ=

[Peer]
  AllowedIPs = 0.0.0.0/0
  PersistentKeepalive = 5
  Endpoint = 77.87.125.200:51930
  PublicKey = xbrwVHxNZ8UsjHQyyzFwm0Ey1UC+vvKQ0FG/cLoJh2w=
```

Login to Mikrotik via Winbox

Click on the menu item **WireGuard** In the window that opens, in the **WireGuard** tab, click the plus to add a new **WireGuard** interface



Copy the private key from the text configuration from the **[Interface]** section to the **PrivateKey** field in the **WireGuard** interface settings in **Mikrotik**

Click **OK** to create the interface



Go to the peers tab.

Click plus to add a new peer



Interface - Select the previously created **WireGuard** interface

Public key - Copy the public key from the text configuration from the **[Peer]** section to the Public key field

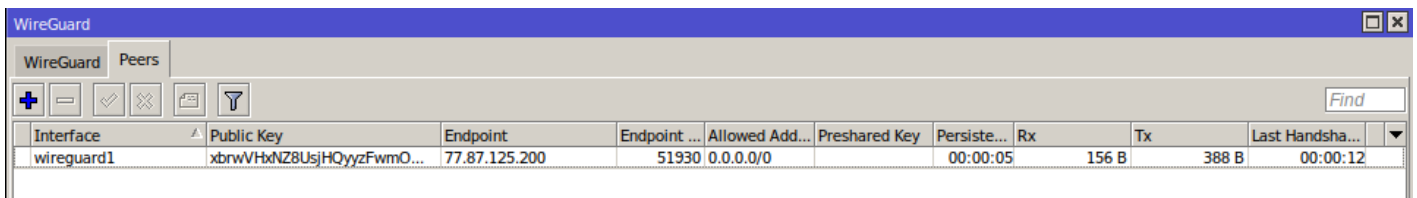
Endpoint - Copy the server **address** from the text configuration from the **[Peer]** section to the endpoint field

Endpoint Port - Copy the server **port** from the text configuration from the **[Peer]** section to the Endpoint Port field

Allowed Address - Copy **AllowedIPs** from the text configuration from the **[Peer]** section to the Allowed Address field

Persistent Keepalive - Copy the **PersistentKeepalive** from the text configuration from the **[Peer]** section to the Persistent Keepalive field

Click **OK** to create a peer



The image shows the 'WireGuard' window in Mikrotik WinBox. It has a 'WireGuard' tab and a 'Peers' tab. Below the tabs is a toolbar with icons for adding, removing, enabling, disabling, saving, and filtering. A 'Find' search bar is on the right. Below the toolbar is a table with the following columns: Interface, Public Key, Endpoint, Endpoint ..., Allowed Add..., Preshared Key, Persiste..., Rx, Tx, and Last Handsha... The table contains one entry for 'wireguard1'.

Interface	Public Key	Endpoint	Endpoint ...	Allowed Add...	Preshared Key	Persiste...	Rx	Tx	Last Handsha...
wireguard1	xbrwVHbNZ8UsjHQyyzFwmO...	77.87.125.200	51930	0.0.0.0/0		00:00:05	156 B	388 B	00:00:12

In order to have communication with the server, you need to set the address on the **WireGuard** interface

Go to the menu item **IP->Addresses** In the window that opens, click the plus to assign an IP address to the WireGuard interface



Adresse - Copy the Address from the text configuration from the **[Interface]** section to the Address field

Interface - Select the previously created **WireGuard** interface

Press the OK button to confirm



You also need to configure the traffic routes you need at your discretion.

iOS WireGuard client configuration

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In order to connect to a VPN, follow these steps:

1. Open the link you received in a browser to get instructions and configuration for your new VPN connection. And you will see the following page in the browser window

This is a one-time link with configuration options

WireGuard

[Download client Android](#)[Download client iOS](#)[Download client Windows](#)[Download client macOS](#)[Official clients WireGuard](#)[Download config file](#)

```
[Interface]
Address = 10.0.111.16/24,2a11:ff00::111/120
DNS = 10.0.111.1,2a11:ff00::101,2a11:ff00::8
PrivateKey = G0mgdb66DPex6YdP2/A4YDGtoAdAllgVAPsyhm1HQeB=

[Peer]
PersistentKeepalive = 25
Endpoint = dev.softkeel.com:51030
PublicKey = xbrwVhtN280sJH0yyzFwm0Ey1UC+vvKQ8FG/cLoJh2w=
AllowedIPs = 0.0.0.0/0, ::/0
```

IKEv2

[Download Certificate CA](#)

Server: dev.softkeel.com

Username: user_3

Password: dupa

[Download Profile](#)

2. Since we are setting up a connection for an iOS device, we need the WireGuard client for iOS. To download the client on your phone, open the link on your mobile device and click "Download client iOS".

This is a one-time link with configuration options

WireGuard

Download client Android

Download client iOS

Download client Windows

Download client macOS

Official clients WireGuard



3. After you click on the "Download client iOS" button, your application store will open, where you need to install your client for iOS. Click "Install" to install the application on your mobile device.

12:33

LTE

< Search



WireGuard

Fast, modern, secure VPN



26 RATINGS

4.2



AGE

4+

Years Old

CATEGORY



Utilities

WireC

What's New

Version 1.0.16

Small bug fixes.

[Version History](#)

5mo ago

Preview



4. After completing the app installation, open the app to configure your VPN connection.

12:33

LTE

< Search



WireGuard

Fast, modern, secure VPN

OPEN



26 RATINGS

4.2



AGE

4+

Years Old

CATEGORY



Utilities

What's New

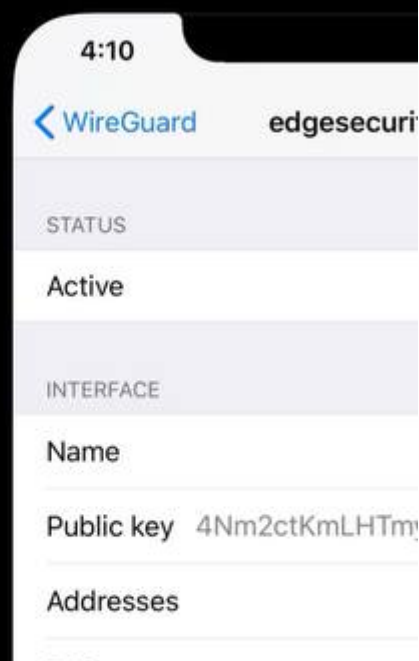
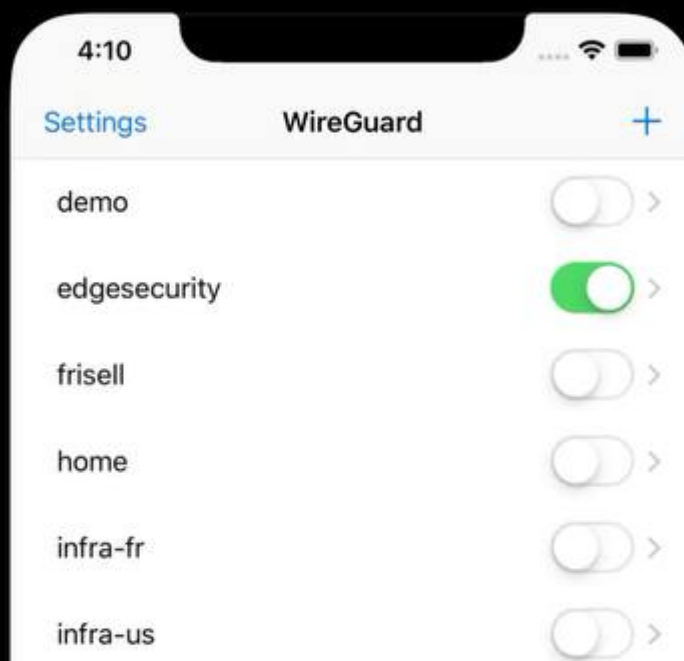
Version 1.0.16

Small bug fixes.


[Version History](#)

5mo ago

Preview



5. This is how the main window of the application looks like, which has no configured connections. To set up a new VPN connection, you must press the plus button or "Add a tunnel" button.

12:22 

 LTE 

Settings

WireGuard



Add a tunnel

6. After you click on the button that allows you to create a new connection, you will be presented with several options. Now we will use the QR code scanning method. Click on the "SCAN FROM QR CODE" button to start scanning.

Later in this manual, **in point number 10**, we will look at creating a connection using a configuration file.

12:22 

 LTE 

Settings

WireGuard



Add a tunnel

Add a new WireGuard tunnel

Create from file or archive

Create from QR code

Create from scratch

It is worth noting that if you are using the application for the first time, your device will ask you if you can allow access to the camera. You need to allow access to the camera, otherwise scanning will not be possible.

7. After you can already start scanning and see that your device is ready, point your camera at the QR code you received.

It is worth noting the system will ask your password



8. After scanning the code, when the scan was successful, the application will prompt you to enter a name for the new connection. Enter a name and save the new configuration by clicking on the "Save" button.

12:22

LTE

Scan QR code

Cancel

Download client macOS

Please name the
scanned tunnel

Cancel

Save

q w e r t y u i o p

a s d f g h j k l

↑ z x c v b n m ↵

9. After you save your new connection, you will see a list of your VPN connections. Find the required connection to activate it and switch the slider to activation mode.

12:23 



◀ Settings

Settings

WireGuard



dev.softkeel.com



10. **To create a connection using a configuration**

file: You need to download the configuration file to your mobile device. To download this file, click on the "Download config file" button.

12:47

LTE

This is a one-time link with configuration options

WireGuard

Download client Android

Download client iOS

Download client Windows

Download client macOS

Official clients WireGuard



Download config file

11. Once your configuration file has been downloaded to your device, you need to proceed. You need to return to the "WireGuard" application to import your configuration file. Click "Create from file or archive" to start importing the configuration file.



12. Next, you will be prompted to find your configuration file. You need to find the configuration file and select it.

13:15

LTE

Recents



Cancel

Search



wg0

12:47

319 bytes



jpg2png.zip

19/06/2023

70 KB



11_new_2019


-2020.zip



12/05/2020

12 MB

13. After you select your configuration file, the connection will be created.
14. To connect to a new VPN connection, you need to activate the slider opposite to the activate position.

12:47 

VPN

Settings

WireGuard



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wg0



