

WireGuard

How to use WireGuard VPNs on SailfishOS. Tutorials for various VPN providers

- [Installing WireGuard](#)
- [\[EXAMPLE\]: Using WireGuard with MullvadVPN](#)
- [Where's the configuration file saved?](#)

Installing WireGuard

Install necessary tools

With Sailfish OS 5.0 (2026)

Since there is no official documentation so far, there is a short how-to make WireGuard working.

```
devel-su pkcon remove wireguard-go wireguard-tools # for those whom previously installed those two packages
in a previous setup or attempt
devel-su pkcon install jolla-settings-networking-plugin-vpn-wireguard # adds Wireguard among the proposed
VPN in the settings
devel-su systemctl restart connman # restart the connexion manager to load the new Wireguard plugin
```

Then, especially for those that have been using WireGuard already, you have to forget WireGuard configs and set it from scratch or import again.

Once your file is imported, you are presented a WireGuard-VPN-connexion configuration interface and it is advised to activate two settings:

- Advanced > Remember authentication information
- Advanced > Enable IPv6 data leak protection

Thanks to @kan_ibal <https://forum.sailfishos.org/t/wireguard-in-sailfishos-5-0/22346> and @dopi04 <https://forum.sailfishos.org/t/wireguard-in-sailfishos-5-0/22346/26>

With previous versions (2024)

SailfishOS doesn't provide WireGuard functionality out-of-the-box, so we first need to install a few third-party programs from OpenRepos. You can get all of these either by downloading the RPMs manually from openrepos.net or by using [Storeman](#).

Wireguard userspace implementation

Install the package `wireguard-go` : [Download from OpenRepos](#)

Wireguard userspace tools

Install the package `wireguard-tools` : [Download from OpenRepos](#)

Connman plugin for integrating Wireguard into Sailfish network manager

Install the package "WireGuard for Sailfish (connman plugin)" (`connman-plugin-vpn-wireguard`):

[Download from OpenRepos](#)

VPN plugin for Sailfish OS settings app

Install the package "WireGuard for Sailfish (Settings UI)" (`jolla-settings-networking-plugin-vpn-wireguard`):

[Download from OpenRepos](#)

This plugin is optional but makes using WireGuard much easier.

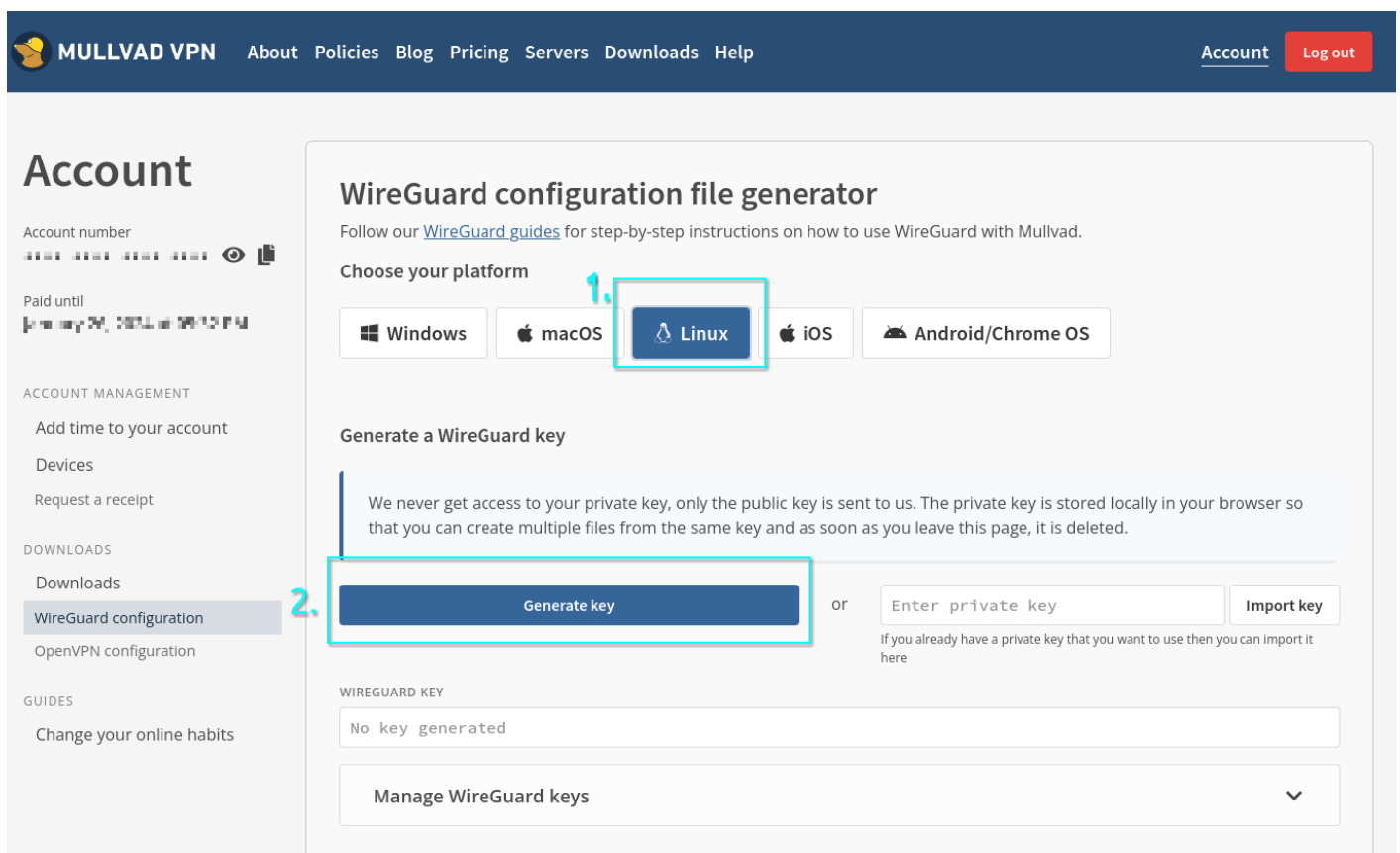
[EXAMPLE]: Using WireGuard with MullvadVPN

Step 1: Obtain a WireGuard config file from Mullvad

To get a config file, head over to <https://mullvad.net/de/account/wireguard-config> (you will need to login with your account number).

1. For the "platform" select "Linux".

2. Next, click on "Generate key" (or something like that in your language).



The screenshot shows the Mullvad VPN account page. The header includes the Mullvad VPN logo and navigation links: About, Policies, Blog, Pricing, Servers, Downloads, Help, Account, and Log out. The main content area is titled "Account" and features a sidebar with account management options (Add time to your account, Devices, Request a receipt) and download options (Downloads, WireGuard configuration, OpenVPN configuration). The "WireGuard configuration" option is highlighted with a red box and a red "2.". The main content area is titled "WireGuard configuration file generator" and includes instructions to follow the WireGuard guides. Below the instructions, there is a "Choose your platform" section with buttons for Windows, macOS, Linux, iOS, and Android/Chrome OS. The "Linux" button is highlighted with a red box and a red "1.". Below this, there is a "Generate a WireGuard key" section with a text box explaining that the private key is stored locally in the browser. Below the text box, there is a "Generate key" button highlighted with a red box and a red "2.", and an "Import key" button. Below the "Generate key" button, there is a "WIREGUARD KEY" section with a text box containing "No key generated" and a "Manage WireGuard keys" button.

3. Select a country

4. Select a city for your country

5. For the "Tunnel traffic", choose "Only IPv4"

6. Click on "Download file". You will get a `.conf`-file.

The screenshot shows the WireGuard configuration interface. At the top, there is a 'WIREGUARD KEY' field with a green checkmark. Below it is a 'Manage WireGuard keys' button. The main configuration area is divided into several sections:

- 3. Select one or multiple exit locations:** A dropdown menu is open, showing 'Austria' selected. To its right, a location dropdown shows 'Vienna'.
- 4.:** A dropdown menu is open, showing 'at-vie-wg-003' selected.
- Advanced settings:** This section is expanded and contains:
 - Multihop:** An 'Enable' checkbox is unchecked.
 - Server connection protocol:** Two buttons, 'IPv4' (selected) and 'IPv6'.
 - 5. Tunnel traffic:** Three buttons, 'Both', 'Only IPv4' (selected), and 'Only IPv6'.
 - CUSTOM PORT:** A text input field containing '1234'. Below it, a list of allowed ports: '53, 123, 4000 - 33433, 33565 - 51820, 52000 - 60000'. An 'Enable kill switch (Linux only)' checkbox is unchecked.
- Configure Content Blocking:** A section with the text 'Select the type of content to block'. It has two buttons: 'Select All' (highlighted in green) and 'None'. Below are several checkboxes: 'Ads', 'Trackers', 'Malware', 'Adult content', 'Gambling', and 'Social Media', all of which are unchecked.
- 6. Generate and download configuration:** Two buttons are visible: 'Download file' (highlighted with a red box) and 'Generate QR code'.

7. Copy the file to the storage of your SailfishOS-device

Step 2: Importing the file on Sailfish

1. Open the settings-app and navigate to "VPN"

2. In the pull-down menu, choose "Add new VPN"
3. Choose "WireGuard" for the VPN-Type (typically located at the bottom of the list)
4. On the next page, choose to import a "wg-quick.conf" file.
5. A file-chooser-dialog will open. Choose the `.conf`-file we downloaded earlier.
6. The setup will tell you that the import was successful. Now you just need to give the VPN a name.
7. I recommend to choose "Remember login credentials" (or something like that in your language) under the "Advanced"-settings
8. You can now select the VPN in the list to connect to it.
NOTE: If SailfishOS asks for credentials to login, the username is your account number and the password is just the letter "m"

Needing help?

If you run into troubles, feel free to ask for help [here](#)

Where's the configuration file saved?

[Wireguard on Sailfish OS: where's the configuration file saved?](#)

May 05, 2025 — Nico Cartron

As usual, posting it on my blog for me, but it will probably be useful to others: I was (re)configuring Wireguard on my X10iii the other day, cause it stopped working after upgrading to Sailfish OS 5.

I could not find where the configuration was saved, but Peter G. on the Sailfish OS Telegram channel pointed me to:

```
/home/defaultuser/.local/share/system/privileged/connman-vpn
```

and indeed it's there:

```
[root@Xperia10III connman-vpn]# ls -l
total 12
drwx----- 2 root  root    4096 Mar 14 09:02 provider_XXX_sailfishos_org
drwx----- 2 root  root    4096 Mar 14 09:02 vpn_XXX_sailfishos_org
```

the `provider_XXX_sailfishos_org/settings` file contains everything you've defined in the SFOS GUI (IP addresses have been hidden by me):

```
[XXX_sailfishos_org]
Name=Soucelles
Type=wireguard
Host=X.X.X.X
VPN.Domain=sailfishos.org
WireGuard.Address=D.C.B.A/32
WireGuard.DNS=A.B.C.D
```

```
WireGuard.PrivateKey=<YOUR CLIENT PRIVATE CLIENT>
WireGuard.PublicKey=<YOUR SERVER PUBLIC KEY>
WireGuard.AllowedIPs=<REMOTE NETWORK>
WireGuard.EndpointPort=<WIREGUARD PORT>
WireGuard.PersistentKeepalive=15
WireGuard.DisableIPv6=false
```

and the `vpn_XXX_sailfishos_org/settings` file itself contains:

```
[vpn_XXX_sailfishos_org]
Name=Soucelles
SplitRouting=false
AutoConnect=true
Modified=2025-03-14T09:02:04Z
IPv4.method=fixed
IPv4.netmask_prefixlen=32
IPv4.local_address=D.C.B.A
IPv4.gateway=X.X.X.X
IPv6.method=off
IPv6.privacy=disabled
```