

Forum:[Hack Forums](#)

Thread: [Build Your Own WireGuard VPN \(2025 Edition\)](#)

7 - July 21, 2025, 11:08 pm

Build Your Own WireGuard VPN (2025 Edition)

Want full control over your VPN? Here's how to build one with WireGuard on your own VPS — clean, fast, no middlemen.

No subscriptions. No sketchy apps. No logs except the ones you create.

Step 1: Get a VPS

Code • Ubuntu 20.04 or 22.04

- Root SSH access
- KVM (not OpenVZ)
- Port 51820 (or whatever you want) open

GreenCloud, Hetzner, RackNerd — whatever's cheap and solid. SSH in once it's deployed.

Step 2: Install WireGuard

Code `sudo apt update && sudo apt upgrade -y`

`sudo apt install wireguard qrencode -y`

Enable IPv4 forwarding:

Code `sudo nano /etc/sysctl.conf`

Uncomment this line:

Code `net.ipv4.ip_forward=1`

Then apply it:

Code `sudo sysctl -p`

Step 3: Generate Server Keys & Config

Code `cd /etc/wireguard`

`umask 077`

`wg genkey | tee server.key | wg pubkey > server.pub`

Now create the server config:

Code `sudo nano /etc/wireguard/wg0.conf`

Paste this and replace `[YOUR_SERVER_PRIVATE_KEY]`:

Code `[Interface]`

`PrivateKey = [YOUR_SERVER_PRIVATE_KEY]`

Address = 10.0.0.1/24
ListenPort = 51820
SaveConfig = true
PostUp = iptables -A FORWARD -i wg0 -j ACCEPT; iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE
PostDown = iptables -D FORWARD -i wg0 -j ACCEPT; iptables -t nat -D POSTROUTING -o eth0 -j MASQUERADE
Bring it up:

Code sudo systemctl enable wg-quick@wg0
sudo systemctl start wg-quick@wg0
Step 4: Add a Client

Create client keys:

Code wg genkey | tee client.key | wg pubkey > client.pub
Then write the client config:

Code [Interface]
PrivateKey = [CLIENT_PRIVATE_KEY]
Address = 10.0.0.2/24
DNS = 1.1.1.1

[Peer]
PublicKey = [SERVER_PUBLIC_KEY]
Endpoint = your.vps.ip:51820
AllowedIPs = 0.0.0.0/0
PersistentKeepalive = 25
On the server, register the client:

Code sudo wg set wg0 peer [CLIENT_PUBLIC_KEY] allowed-ips 10.0.0.2/32
Step 5: Use It on Mobile (QR Setup)

Install WireGuard app from App Store or Play Store.
To generate a QR from your client config:

Code qrencode -t ansiutf8 < client.conf
Scan that with the WireGuard app — done in 5 seconds.

Step 6: Use It on Windows

1. Download the official client:
<https://www.wireguard.com/install/>

2. Open the app
3. Click Add Tunnel > Add empty tunnel
4. Paste your client config
5. Save & connect

It runs in the background, routes traffic cleanly, and doesn't leak.

Extras

Code • You can create as many clients as you want

- Port can be changed if you want stealth (e.g. 443)
- Add firewall rules if you're paranoid
- Works on mobile data and public WiFi without detection

Fast, silent, and actually yours.

Legends don't lease privacy. They build it.

DarkxStormZz - July 22, 2025, 12:16 am

Great tutorial

Hopsin - July 22, 2025, 12:40 am

Can be added directly in router, or tv for instance?

7 - July 22, 2025, 12:55 am

(Jul 22, 2025 12:40 AM)Hopsin Wrote: [\[CITE\]](#) Can be added directly in router, or tv for instance?

Yes ofc. To any device that supports wireguard VPN.

I think on TV you could use an app. On the router a config file.

Im sure this could be used to unblock tv channels e.t.c also depending what IP the server has.
You could always add on a residential proxy to increase likely hood of success for TV or personal banking etc

stud - August 23, 2025, 11:29 am

nice man, honestly didn't know you could set up new clients like that, i did the old fashioned way of manually setting up each client on the server xd

atsomepointoftime - August 26, 2025, 6:27 am

thanks for the tutorial

Luc1fer - August 30, 2025, 10:42 am

Will this work for banking applications like Stripe?

u00s - September 12, 2025, 7:45 pm

thank you pro

Extreme hacks2300 - September 16, 2025, 12:06 pm

Can you use Pritunl openvpn?

Hackers - April 4, 2026, 8:47 am

Very helpful man, thanks

7 - April 4, 2026, 9:49 am

(Apr 4, 2026 08:47 AM)Hackers Wrote: [\[CITE\]](#) Very helpful man, thanks

Thanks I think we should build a new protocol. Lets think about it. PQ-VPN - Blockchain decryption.

Hackers - April 4, 2026, 10:08 am

(Apr 4, 2026 09:49 AM)7 Wrote: [\[CITE\]](#) Thanks I think we should build a new protocol. Lets think about it. PQ-VPN - Blockchain decryption.

Yes, we need to be building good technology for the whole world, and these types of things are great for decentralized networking