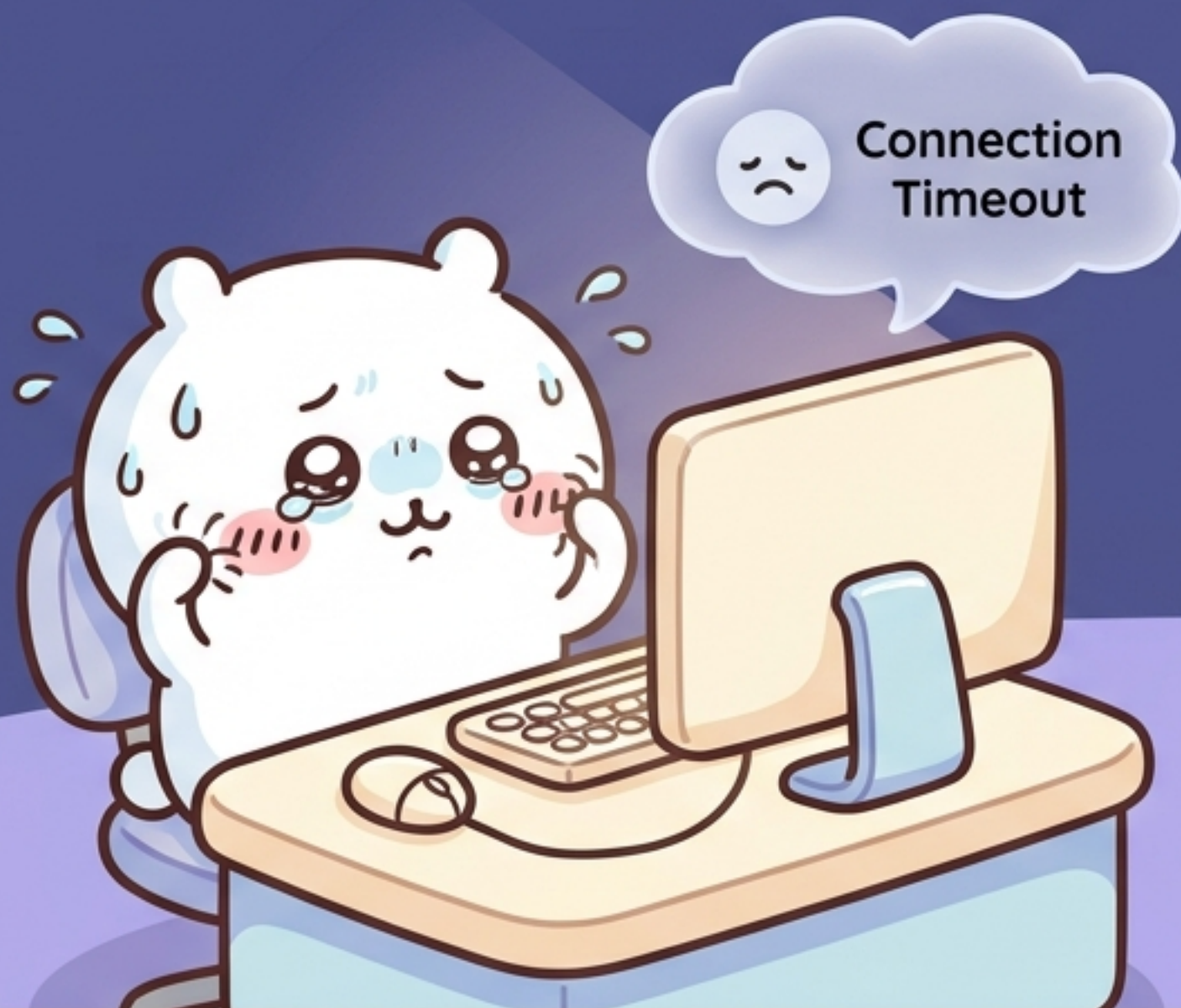


# The Bare Protocol Trap



## The Problem

Shadowsocks, unobfuscated VMess, and Socks5 are bare protocols. Within hours, the IP is **blocked** and **ports** become **unreachable** from mainland China.

## The Cause

- **Active Probing:** The Great Firewall (GFW) sends probe packets to suspicious ports.
- **Traffic Entropy:** Encrypted traffic has extremely high entropy, making it easily identifiable.
- **Result:** Immediate traffic fingerprinting and IP blocking.

**Never run bare protocols for cross-border routing.  
Obfuscation and traffic disguise are mandatory.**

# The sing-box Multi-Protocol Solution

A single core managing five protocols, instantly deployed via yonggekkk's script.

```
> deploy --core sing-box  
> initializing vless, hysteria2, tuic...  
> config generated  
> service started
```



\*Ports are randomized on each install to defeat basic port scanning.\*



## VLESS-Reality-Vision

- Transport: TCP
- Block Resistance: ★★★★★
- Note: Disguises as real HTTPS. The ultimate daily driver.

## Hysteria2

- Transport: UDP (QUIC)
- Block Resistance: ★★★★★
- Note: Built for maximum speed and high-bandwidth.

## TUIC-v5

- Transport: UDP
- Block Resistance: ★★★★★
- Note: Engineered for lowest possible latency.

# Client Setup: Clash Verge Rev

## Step 1: The URL

Paste the nginx subscription URL  
([https://your.domain.com/YOUR\\_TOKEN](https://your.domain.com/YOUR_TOKEN))  
into the Profiles tab.

Wa!

Import / Activate

## Step 2: Import & Activate (CRITICAL)

Click Import. You must click the newly  
imported profile card to activate it!  
Look for the highlighted border.

## Settings

- System Proxy: ☒
- Mode: ☐
- Mixed Port: 7897
- Proxy Group: ☐

## Step 3: System Routing

- System Proxy: Enabled ☒
- Mode: Rule
- Mixed Port: 7897
- Proxy Group: Auto Select (url-test) to pick lowest latency.



# Troubleshooting Edge Provider Firewalls

**The Mystery:** nginx is running flawlessly, but the subscription URL won't load from the outside. Some VPS providers silently drop inbound traffic on ports 80 and 443 at the network edge.

Local: OK!

localhost:443

External: Timeout

## The Cloudflare Origin Fix

1. Bind nginx to an open high port (e.g., 2096).
2. Enable Cloudflare Proxy (Orange Cloud).
3. Create a Cloudflare Origin Rule to rewrite traffic from 443 to 2096.

**Result:** Proxy protocols connect directly via raw IP, while subscription traffic routes safely through Cloudflare's CDN.

# The Reward: Seamless Traffic & Telemetry



## Dynamic Stats (vnstat)

A custom backend script injects a Subscription-Userinfo header into the nginx response. The Clash client reads this to display real-time upload, download, and quota stats directly in the UI.

## BBR Acceleration

Linux kernel BBR is enabled, significantly improving throughput and slashing latency for cross-border proxy traffic.

## Final Verification

Browse to <https://ip.me>. When the browser returns your VPS IP, the proxy is fully operational. Sit back and enjoy the open web.

