Instruction

> ⓘ Info
>
> The instruction follow the operation procedure,so we recommend to read it from the top to bottom
> we assume:
>
> 1. Own the Vpn capability now for Google
> 2. Basic linux knowledge
> 3. How to add ssh key to vps

Payment

> *Prepare a china bank card and register PayPal account binded your cards firstly*

1. DigitalOcean takes minimum monthly costs of $4-6
2. Cloudflare domain costs almost 10$ one year

Domain

Purchase a domain from the most popular domain provider such as Cloudflare

> *here we assume you bought the domain calls* `china666.com`

VPS

> *A well-known cloud service provider is needed as the proxy server entry point. Here we use DigitalOcean | Cloud Infrastructure for Developers*

Create Machine

> *Using* `143.198.152.32` *as example Machine IP*

1. Choose San Francisco data center as it's closest to China, affecting network speed

> 🖉 Default is the best
>
> there are three data center in san Francisco and the default one is the best

1. Select the popular `Ubuntu` series, defaulting to `LTS` (Long Term Support) version
2. Ensure correct `SSH Key` is added

> Scripts **for testing delays**
>
> Create several VPS manually,call the script and input your ips
> And make sure your vpn and proxy have turned off before running script

DNS

VPS DNS Configuration

Set local DNS server using Cloudflare's Family Protection version to block malware and adult content.

```language-bash
# 1. Configure systemd-resolved with both IPv4 and IPv6 Family Protection DNS
sudo echo "[Resolve]
DNS=1.1.1.3 1.0.0.3 2606:4700:4700::1113 2606:4700:4700::1003
DNSStubListener=no
FallbackDNS=1.0.0.3 2606:4700:4700::1003
DNSSEC=true" | sudo tee /etc/systemd/resolved.conf

# 2. Set direct DNS resolution with both IPv4 and IPv6
sudo rm /etc/resolv.conf
sudo echo "nameserver 1.1.1.3
nameserver 1.0.0.3
nameserver 2606:4700:4700::1113
nameserver 2606:4700:4700::1003" | sudo tee /etc/resolv.conf

# 3. Restart systemd-resolved service
sudo systemctl restart systemd-resolved
```

Testing:

```language-bash
# Test IPv4 and IPv6 DNS resolution
nslookup -type=a google.com    # IPv4
nslookup -type=aaaa google.com # IPv6

# Test block
nslookup pornhub.com    # IPv4

# Check current DNS configuration
resolvectl status
```

Add DNS Record

Operations are all under cloudflare dashboard

1. Add DNS record: ensure t only one `A` type record resolves to your IP
    - Type: `A`
    - Name: `@`
    - Value: `china666.com`
    - TTL: default

> ⚠ **Do not enable proxy to your domain**
>
> If found your IP was blocked, enable it and set ssl level as full instead of the flexible,WebSocket transmission protocol can work with it

Test Resolution

1. Verify DNS resolution from Worldwide DNS servers
2. Test on your laptop without proxy model

```bash
dig china666.com
```

Expected output

```bash
….omitted
;; ANSWER SECTION:
china666.com.    39      IN      A       143.198.152.32
….omitted
```

Install 3x-ui: Xray panel on VPS

> ⓘ **3X-UI is configuration and management panel based on Xray**

```bash
sudo apt update
sudo apt upgrade
# wait for a while
# enter for anything prompt out
# install
bash <(curl -Ls https://raw.githubusercontent.com/mhsanaei/3x-ui/master/install.sh)
```

> *Panel port set 443 which is default port for https*

`x-ui` Menu

You will find a menu while calling `x-ui`

1. Install bbr for performance
2. Install Fail2ban to prevent ssh brutal attack
3. Install firewall with default settings
4. Install Cloudflare SSL Certificate for https and tls, fetch API token,full instruction,set panel certificate
5. Show your current from command line and login with output information

> ⚠ **Login with https url or it indicates something wrong**

Web Panel

Inbound Settings

> ⚠ **allow new inbound ports with `x-ui`**

Shared configuration:

- enable `Sockopt` for TCP Fast Open,Multipath TCP,TCP No-Delay,Domain Strategy is AsIs
- Enable Sniffing and route only
- Edit Client to enable Flow as xtls-rprx-vision for tcp Transmission
- uTLS for your browser

1. Vless + tcp +tls +vision
   - Set Transmission to `TCP`
   - Configure Security with `TLS` using Digital Certificate,enable Session Resumption
2. Vless + tcp +reality +vision
   - Configure Security with reality ,Dest (Target) is your panel `china666.com:443`,SNI is `china666.com`,get new cert

> *Reality is recommended*

1. Vless + ws + tls
   - ports for https
   - ws host is your domain and path is whatever

Panel settings
Telegram Bot Setup

- Create Bot following panel instructions
- Enable *Database Backup*
- Enable Login Notifications
  set timezone as Asia/Shanghai

```language-bash
sudo timedatectl set-timezone Asia/Shanghai
```

Xray Configuration

- Enable WARP for chatgpt apk
- basic,basic routing block all china IP and domain to prevent GFW sniff

Client Side

Proxy Software List

Connection Testing

Verify proxy server connectivity by checking:

1. Server IP accessibility - Try accessing web panel from local network
2. Port availability - Confirm ports are opened via `sudo ufw allow <port>`
3. Domain DNS resolution
   - Verify using DNS checker
4. Test speed directly in proxy software subscription nodes

List

Core Technology

> *Run pure complied core on Linux, Mac, window with simple scripts if you are the technical*

client side only
clash meta fork of clash Premium which is dead

The following core are Both side
Sing box newest and best code quality

Metacubexd web panel for the above to manage proxy in browser

Xray

Desktop

It works for almost all operating system

> *Simplest GUI proxy client app for the non technical*

Clash Verge - GUI interface built on clash-Meta core for configuration management

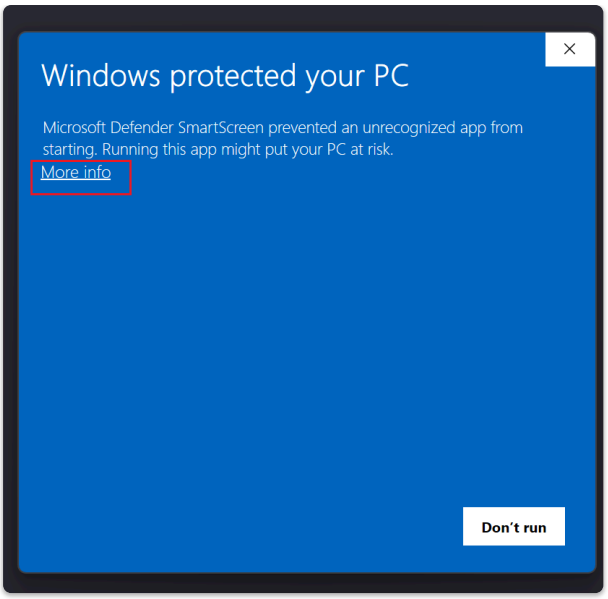
Installation

For Windows system

Click the link to download if you are the lucky boy

> **Tips**
>
> if you can not download from it ,paste the link: `https://github.com/clash-verge-rev/clash-verge-rev/releases/download/v2.0.2/Clash.Verge_2.0.2_x64-setup.exe` into GitHub文件代理加速 to download

> *We can update automatically itself in windows after we are under proxy*



For Ubuntu system

```bash
# add apt source
curl -fsSL https://atticuszeller.github.io/deb-index/install.sh | sudo bash
sudo apt update
sudo apt install clash-verge
```

Import Config

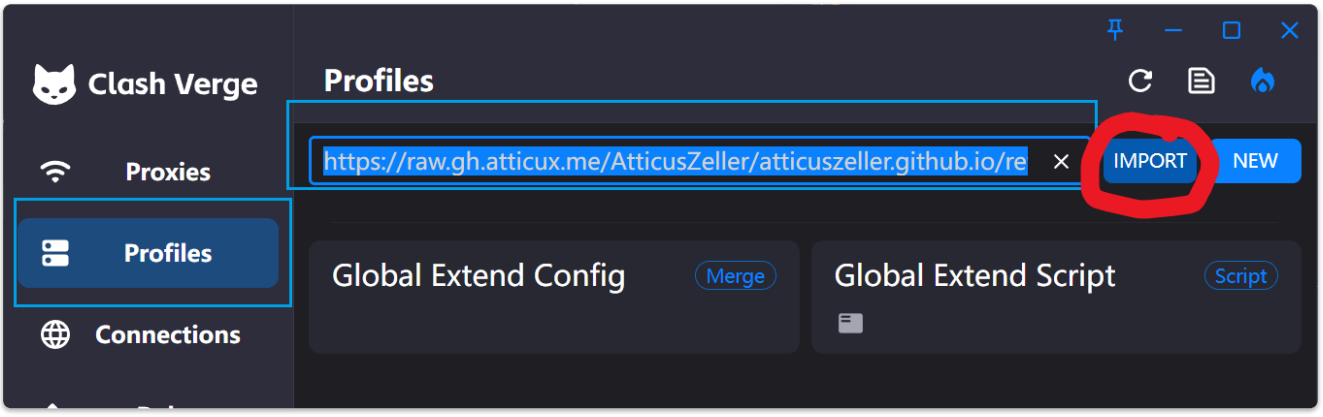
here is the stable config

```
https://raw.gh.atticux.me/AtticusZeller/atticuszeller.github.io/refs/heads/main/atticuszeller/CS/OS/Proxy/clash-meta.yml
```

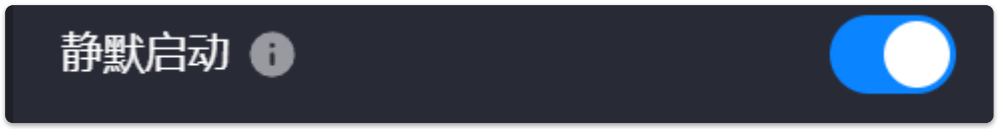
dev which means develop frequently config is maybe unstable

```
https://raw.gh.atticux.me/AtticusZeller/atticuszeller.github.io/refs/heads/main/atticuszeller/CS/OS/Proxy/clash-meta-dev.yml
```

Paste your configuration url into your subscription menu



Gear Manually

1. settings -> system settings->tun save and enable tun ,it may be wait for a while to enable it
2. 

which means start proxy service without pop out the window especially useful as startup

🏆 now it must work perfectly

Mobile

> *iOS or android maybe tricky on installing those apps for restricted operations*

Android

V2rayNg base on xray,and it's the simplest one and fast

Clash for Android is a bit of old and outdated

FlClash - Cross-platform client based on clash-Meta, written in Dart

Ios

There are too much curbs on installing proxy apps,so I don't recommend to bother your 🍎

Configuration

Depends on official documents,the server and client configuration must match

Rulesets

Clash meta enhanced

Clash meta official

Singbox geosite

Singbox geoip

V2rayNg enhanced