服务器购买与配置

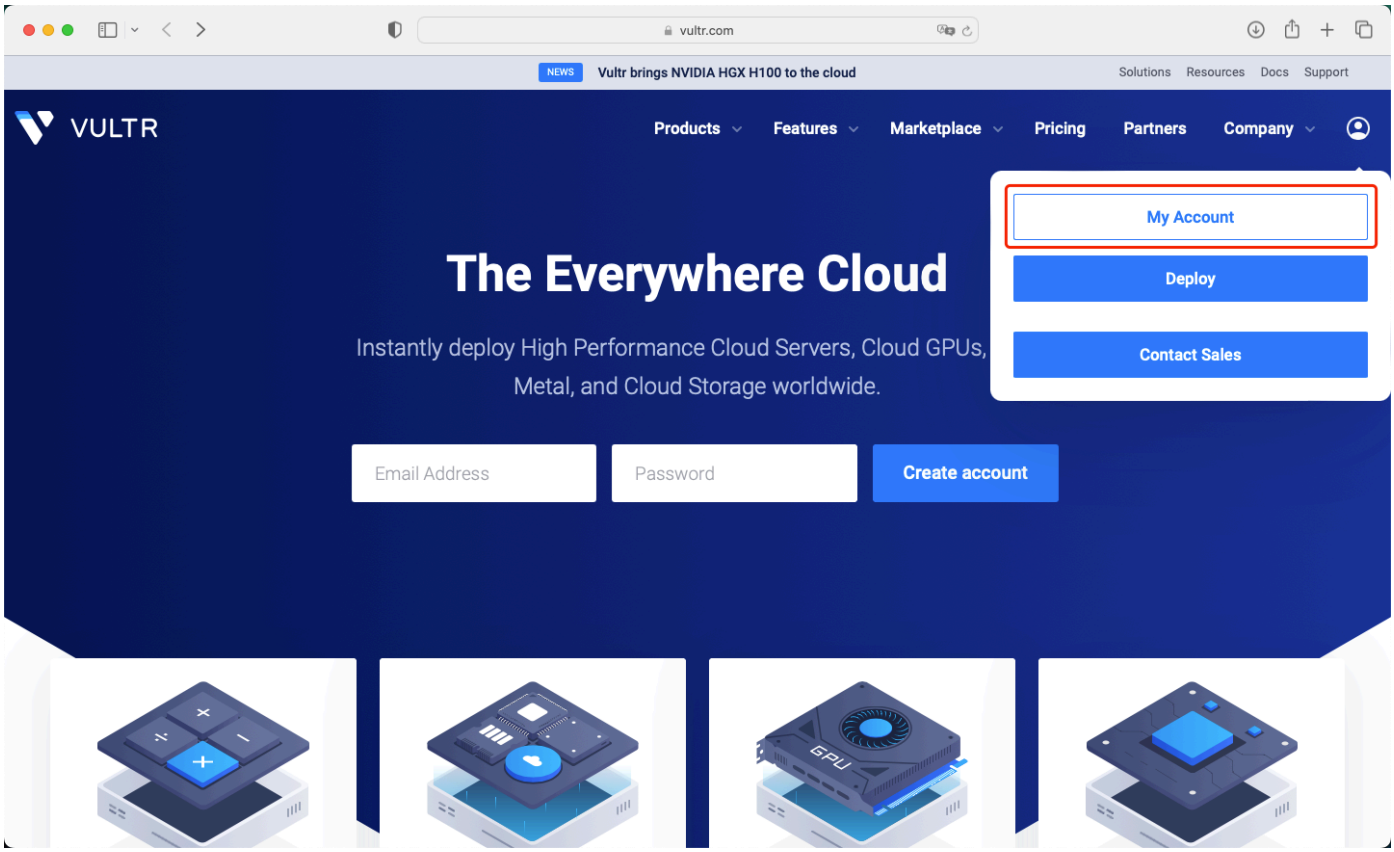
看了好几个教程，总感觉讲得不够清楚，一头雾水。虽然本科上过计网但啥都没学到，这样的教程可能不适合我等非科班选手。所以，打算自己记录和分享一下自己的历程。仅供参考～

引言

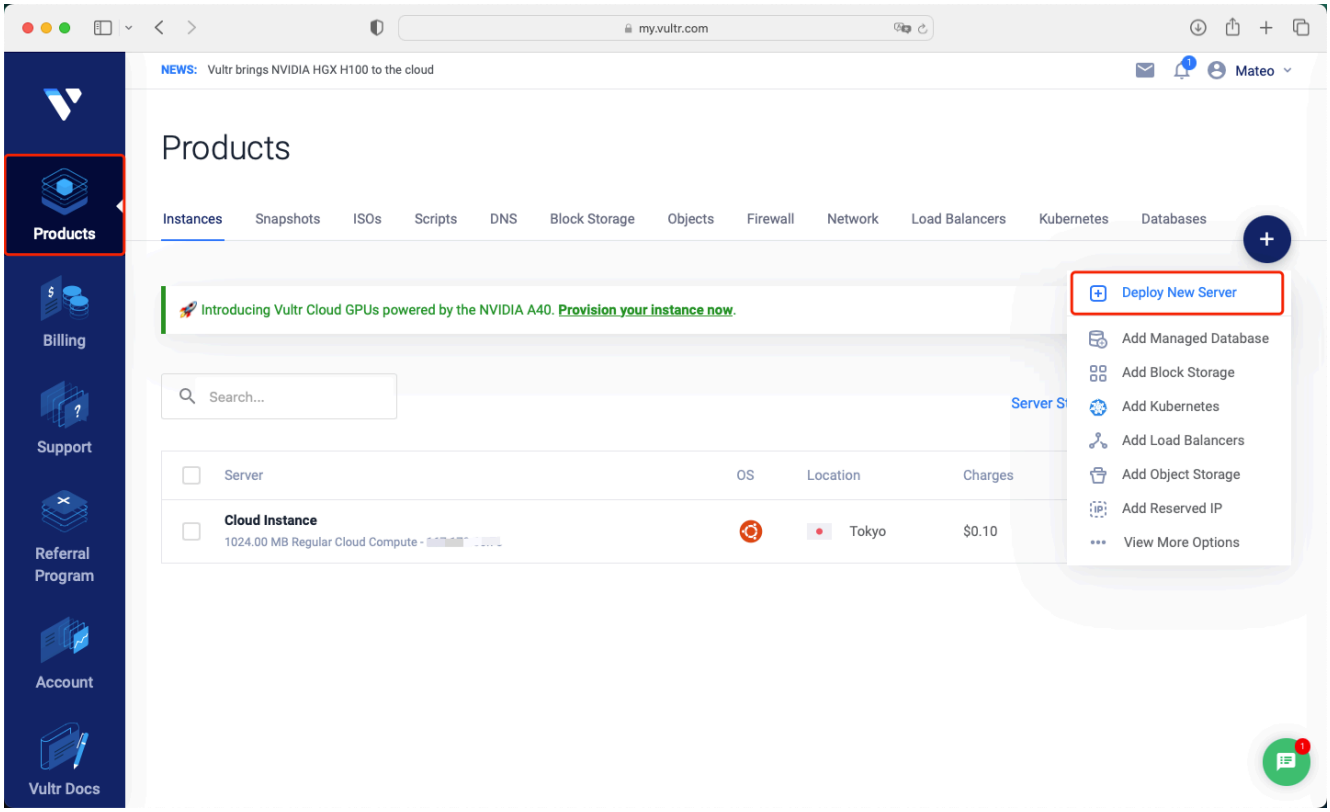
- **适用对象（参考作者背景）**
  - 纯新手 / 搞不懂各种网络协议
- **个人需求和目的**
  - 科学上网 / 搭梯子 / 建个人网站 / 随便玩玩 / 一直用现成VPN，想有自己的服务器有更多玩法 etc.

服务器购买

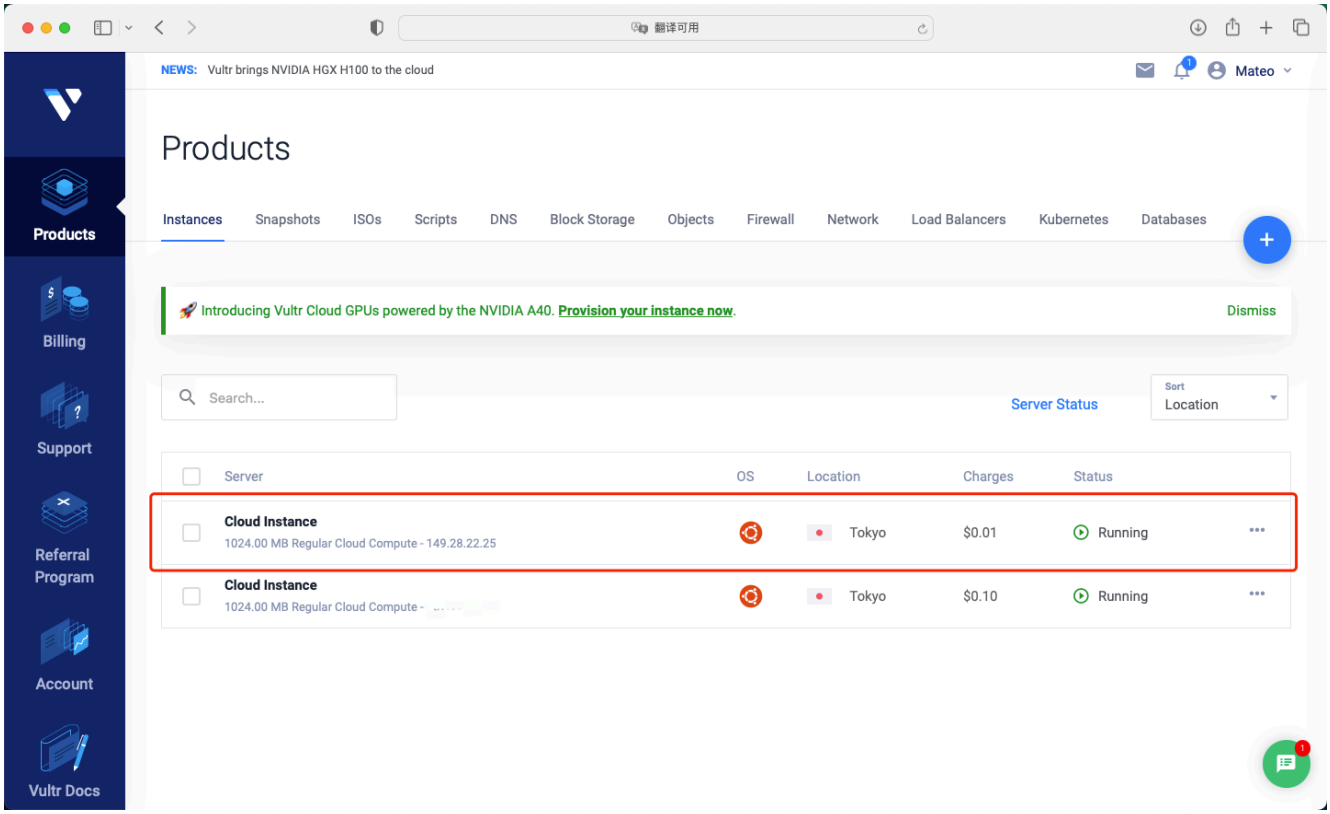
0. **明确一点**：别老想着找免费服务器白嫖了，花点钱收获方便、稳定、安全
1. **服务器供应商选择**：需要海外服务器，使用Vultr，打开官网https://www.vultr.com
2. **注册账号**：用邮箱注册一个账号，然后登陆后点击右上角个人头像的***My Account***

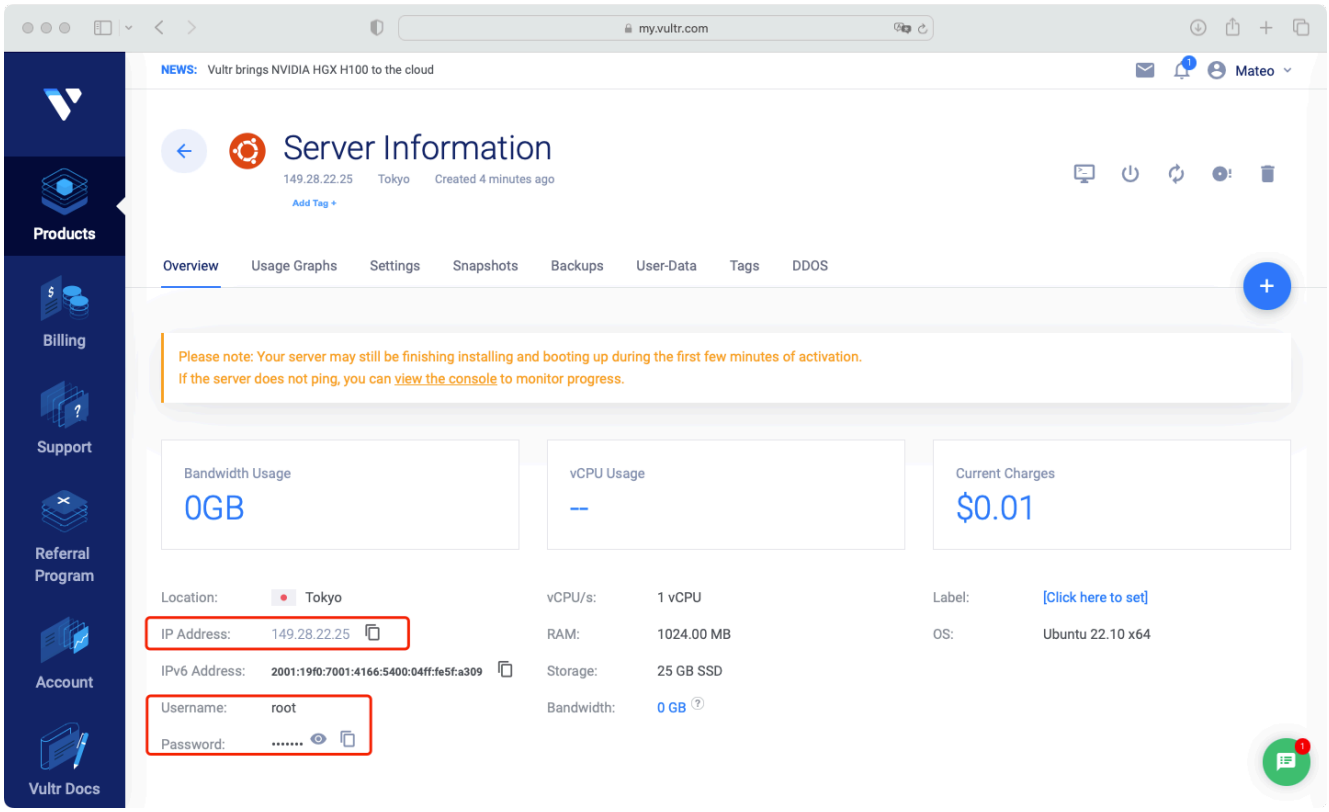


3. **充值**：点击左边的Billing，然后用Alipay支付宝充值就行（刚开始充10美元即可）
4. **部署**：充值完后就可以开始定制自己的服务器了
   - 点击左边***Products***，然后右边➕号，点击***Deploy New Server***



- 配置自己选择即可（怎么便宜怎么来），注意系统选择***Ubuntu 22.10 x64***，节点选离自己近的
- 然后点击右下角***Deploy Now***
- ***Status***由***Installing***变为***Running***后，就可以`ping`通，再等待几分钟系统初始化后即可`ssh`连接（以下面这个为具体例子）



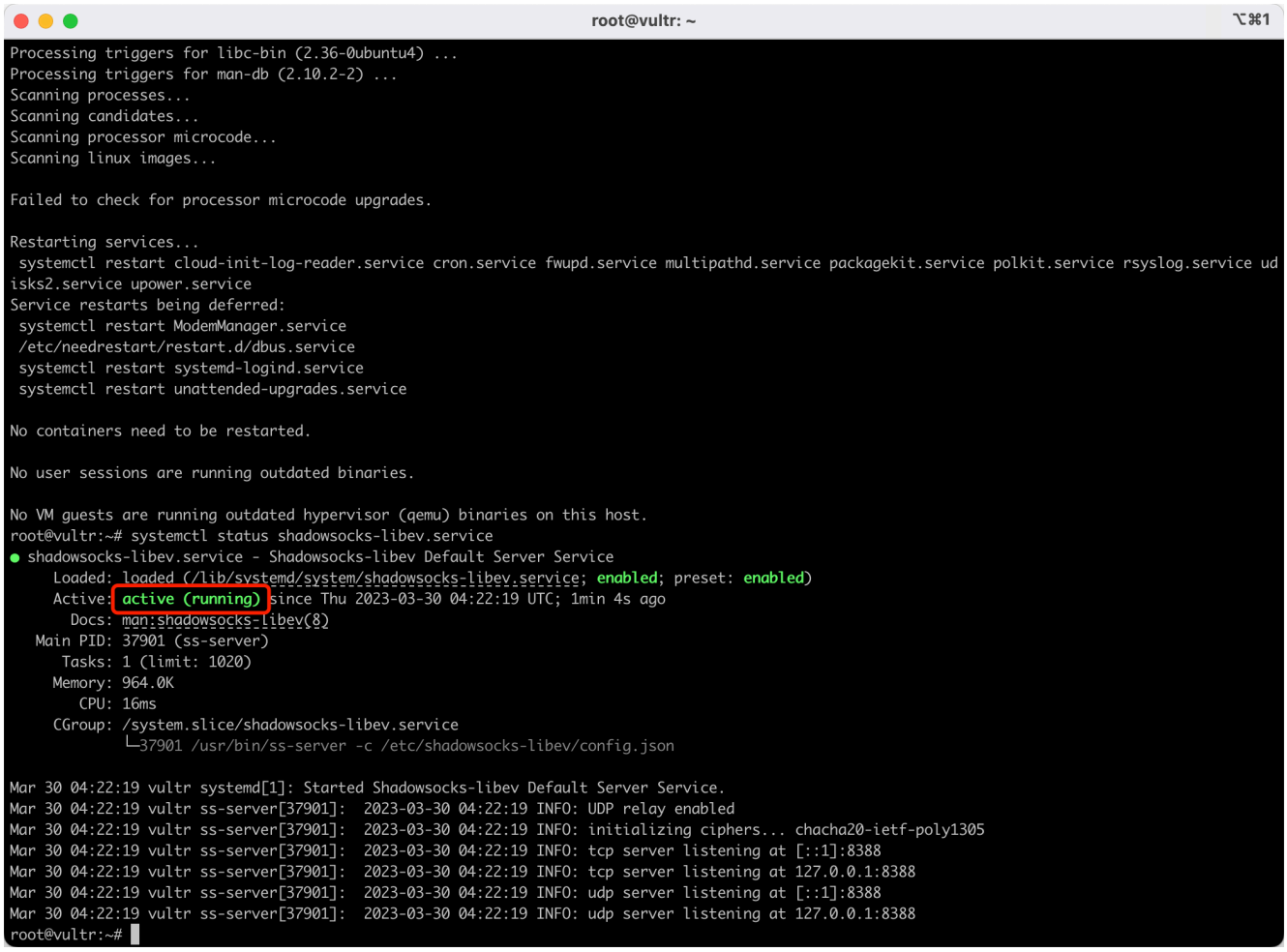


- 终端`ssh`连接（作者本地电脑为Mac）

```
root@vultr: ~                                                    ⌥⌘1
Last login: Thu Mar 30 12:09:38 on ttys001
(base) ➜  ~ ssh root@149.28.22.25
The authenticity of host '149.28.22.25 (149.28.22.25)' can't be established.
ED25519 key fingerprint is SHA256:FUvcYpM/cl3RFItqBMs/ZlJc8+ftjbvdVOlDqHXfPQk.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '149.28.22.25' (ED25519) to the list of known hosts.
root@149.28.22.25's password:
Welcome to Ubuntu 22.10 (GNU/Linux 5.19.0-29-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Thu Mar 30 04:15:14 AM UTC 2023

  System load:             0.7001953125
  Usage of /:              33.6% of 23.34GB
  Memory usage:            32%
  Swap usage:              0%
  Processes:               139
  Users logged in:         0
  IPv4 address for enp1s0: 149.28.22.25
  IPv6 address for enp1s0: 2001:19f0:7001:4166:5400:4ff:fe5f:a309


0 updates can be applied immediately.


*** System restart required ***

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

root@vultr:~#
```

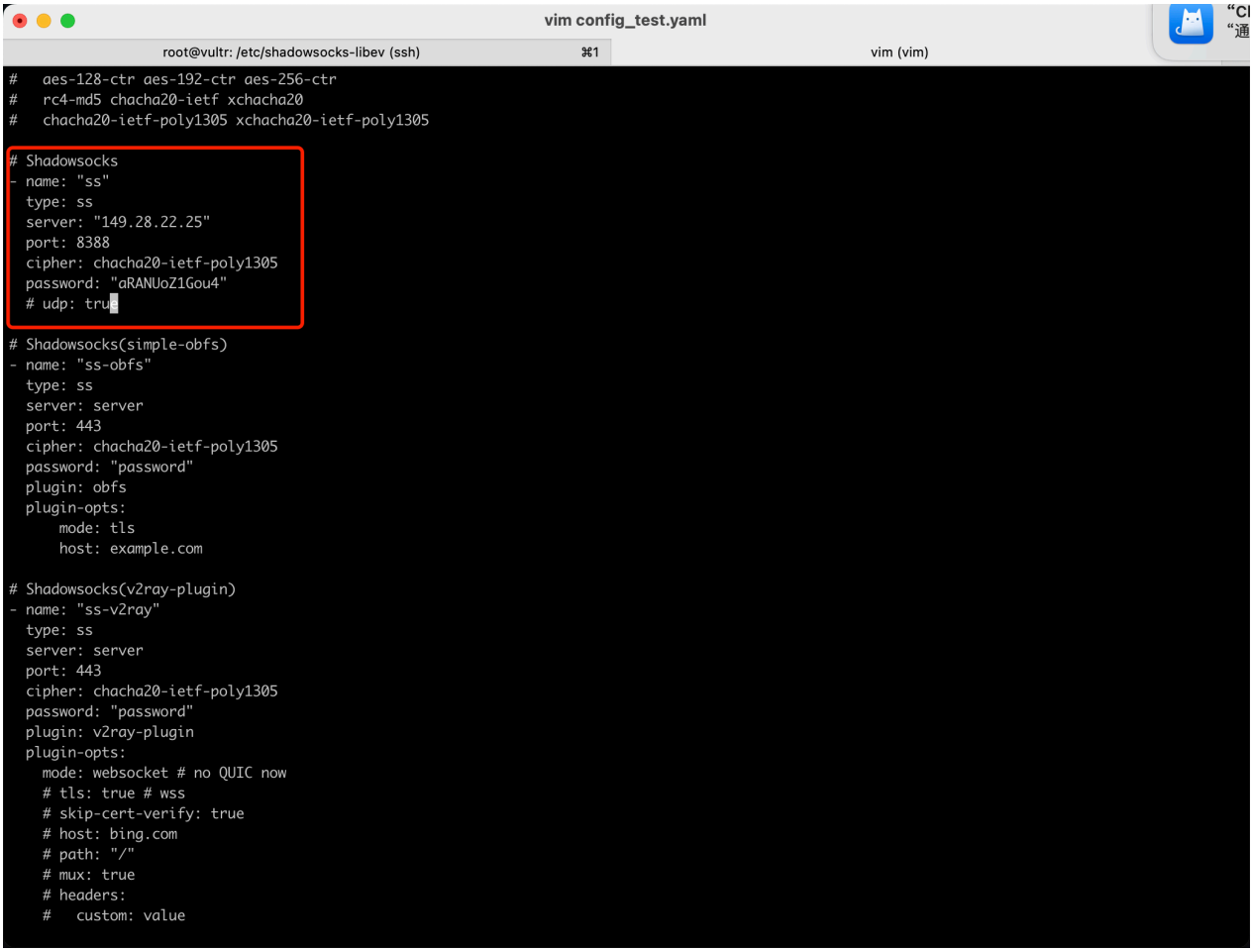
服务器与本地电脑配置

1. **服务器端配置**
   - 安装shadowsocks：`apt install shadowsocks-libev`，输入`y`后一路回车，完成后查看运行状态，显示running即可

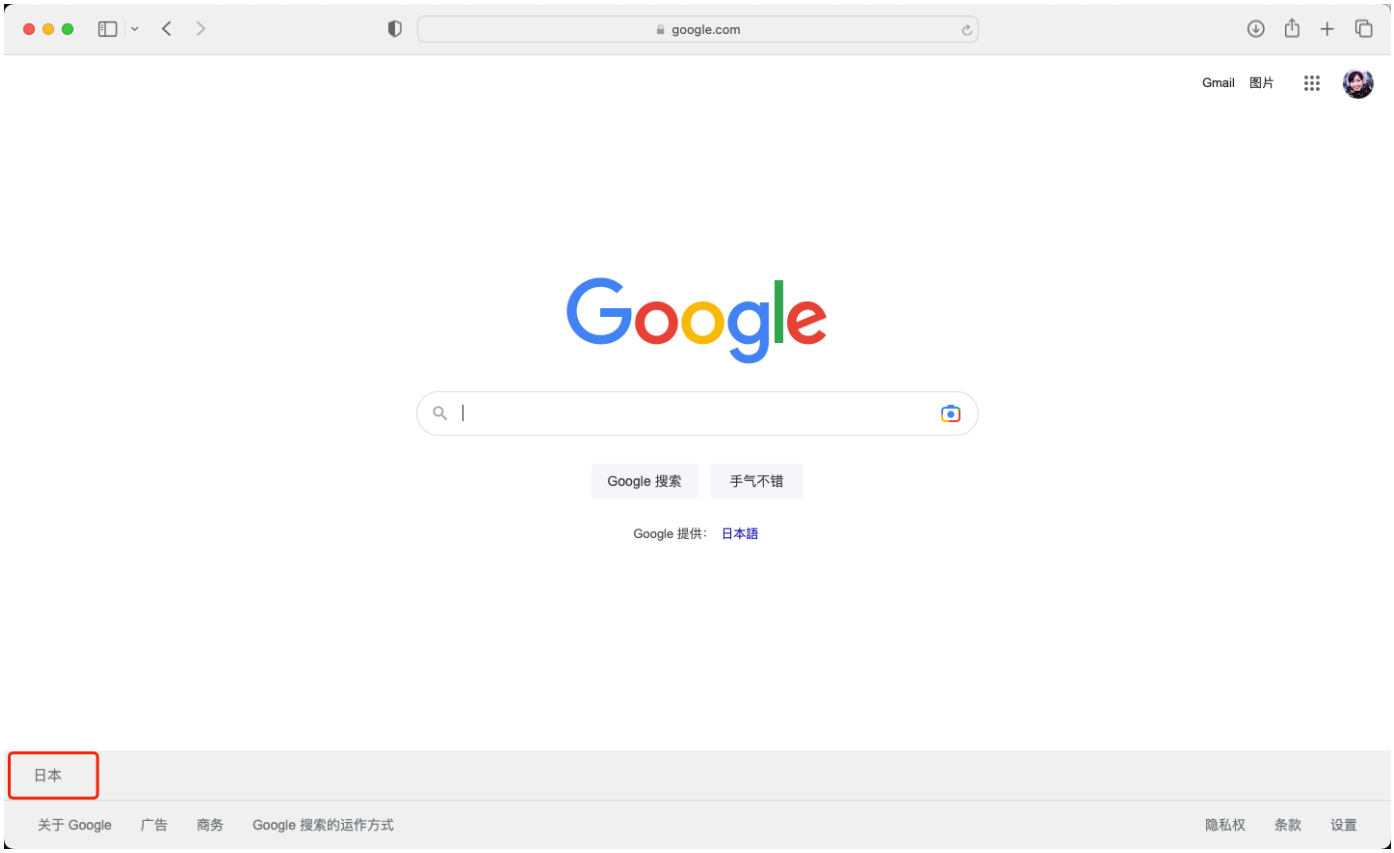


   - 到目录`cd /etc/shadowsocks-libev`，编辑配置文件`vim config.json`
   - 更改server为["0.0.0.0"]
   - 其他不用变（server_port和local_port随意，按默认设置也可以）
   - 打开对应端口`ufw allow 8388`，再查看端口是否打开`ufw status`
   - 重启shadowsocks：`systemctl restart shadowsocks-libev.service`
   - 并确认其状态显示为running，且端口正确：`systemctl status shadowsocks-libev.service`
2. **本地电脑配置**
   - 下载并安装ClashX：https://github.com/yichengchen/clashX（windows等下载类似的客户端）
   - 本地电脑ClashX配置文件，新建终端
     - 进入配置文件夹`cd /Users/YOUR-NAME/.config/clash`
     - 下载模板文件`wget https://www.bwgss.org/wp-content/uploads/2020/11/clash_template2.yaml -O clash_template2.yaml`

- 复制一份新的配置文件`cp clash_template2.yaml config_test.yaml`，修改如图所示内容（需要与服务器端的一致）



3. 选择刚才的配置文件，然后设置为系统代理，开始科学上网（IP也变为服务器所在地）



日本

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