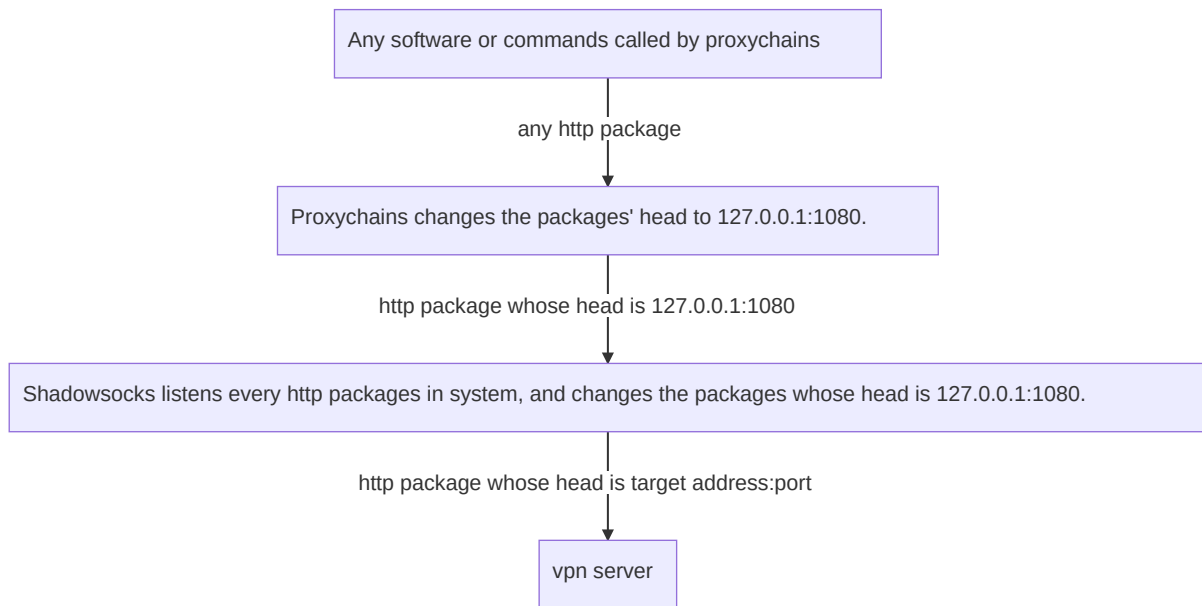


# VPN in Ubuntu

## 1. Software:

- shadowsocks
- proxychains

## 2. Explains:



(Local address (127.0.0.1:1080) can be changed by customer, such as (127.0.0.1:999)).

## 3. Shadowsocks:

- installation: `sudo apt install shadowsocks-libev`
- changing the configuration file: `/etc/shadowsock-libev/config.json`

```

{
  "server": "vpn server's address",
  "server_port": "vpn server's port",
  "local_address": "127.0.0.1",
  "local_port": 1080,
  "password": "your password",
  "timeout": 60,
  "method": "vpn server's encryption method,
             such as: aes-256-cfb, chacha20-ietf-poly1205"
}
  
```

- usage:

- start: `sudo systemctl start shadowsocks-libev-local@config.service`
- restart: `sudo systemctl restart shadowsocks-libev-local@config.service`
- stop: `sudo systemctl stop shadowsocks-libev-local@config.service`
- check shadowsocks' status: `sudo systemctl status shadowsocks-libev-local@config.service`
- automatically start when opening the computer: `sudo systemctl enable shadowsocks-libev-local@config.service`
- disable the automatically start: `sudo systemctl disable shadowsocks-libev-local@config.service`

#### 4. Proxychains:

- installation: `sudo apt install proxychains`
- changing the configuration file: `/etc/proxychains.conf`

```
...  
(Usually this is the last line.)  
socks5 127.0.0.1 1080
```

- usage:
  - any software or command you want to run, such as:
    - `proxychains google-chrome`
    - `sudo proxychains apt install tensorflow-gpu`