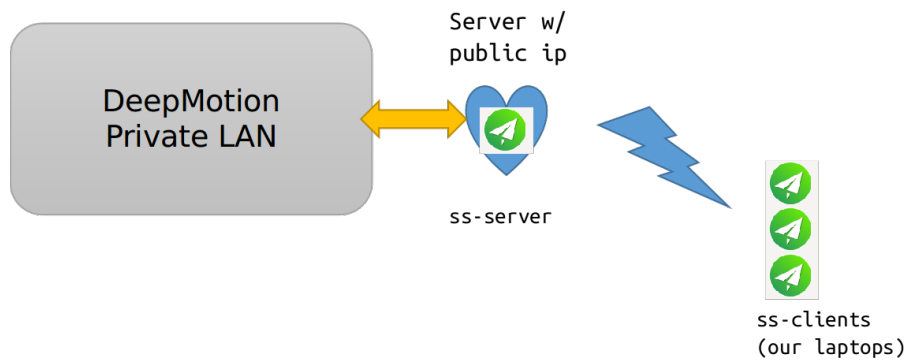


## DeepMotion VPN usage manual

Note, the information in this document is confidential and may be legally privileged.

The architecture of the current VPN solution (will be, on alpha stage things are a little complicated):



With ss(shadowsocks), we can connect to private LAN, so use with caution, port+passwd are provided separately.

Currently, the solution is not robust enough to support too much network overload, please **DO NOT** use `ssh -X` or mount remote machines.

## Usage

1. Get the access account

At the alpha stage, please connect DinghaoZhang for your access token (port+passwd).

2. Connect

Use any (better update-to-date) ss-client for connection, for example:

<https://github.com/shadowsocks/shadowsocks-qt5/releases/tag/v3.0>.

Fill the information in the GUI:



When connected, click Test Latency for checking, or:

```
curl -I --socks5 localhost:<your-local-port> google.com
```

```

miaodx@DX:~$ curl -I --socks5 localhost:1199 google.com
HTTP/1.1 301 Moved Permanently
Location: http://www.google.com/
Content-Type: text/html; charset=UTF-8
Date: Mon, 26 Oct 2020 03:59:14 GMT
Expires: Wed, 25 Nov 2020 03:59:14 GMT
Cache-Control: public, max-age=2592000
Server: gws
Content-Length: 219
X-XSS-Protection: 0
X-Frame-Options: SAMEORIGIN
  
```

3. proxychains4

<https://github.com/rofl0r/proxychains-ng>

Install proxychains4 and add ss-config socks5 127.0.0.1 <your-local-port> to the bottom of config file ( /usr/local/etc/proxychains.conf ).

Then proxychains4 ssh dongxu@10.10.99.108 (change for your purpose) to login our private LAN, that's it.

```
miaodx@DX:~$ proxychains4 ssh dongxu@10.10.99.108
[proxychains] config file found: /usr/local/etc/proxychains.conf
[proxychains] preloading /usr/local/lib/libproxychains4.so
[proxychains] DLL init: proxychains-ng
[proxychains] Strict chain ... 127.0.0.1:1199 ... 10.10.99.108:22 ... OK
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.18.8-041808-lowlatency x86_64)

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

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   https://microk8s.io/high-availability

56 packages can be updated.
0 updates are security updates.

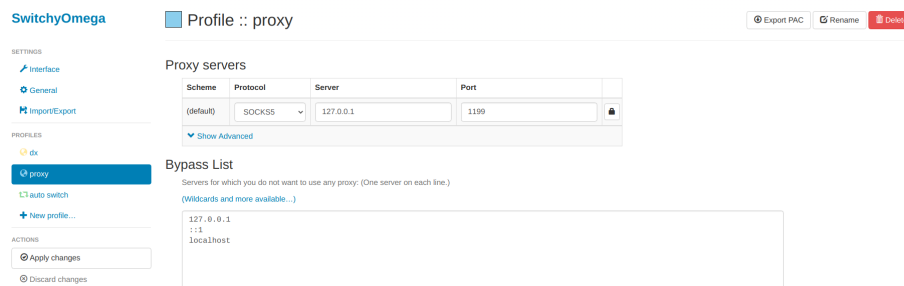
New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

*** System restart required ***
Last login: Mon Oct 26 13:36:12 2020 from 10.10.99.123
dongxu@MessAround:~$ ^C
```

#### 4.Gitlab/google via web

There can be various ways for this, we only suggest one here.

Install <https://github.com/FelisCatus/SwitchyOmega> to your web browser, and configure it like:



After some tweaking, you should be able to browse <https://gitlab.deepmotion.ai/> and google.

#### 5.That's all, good luck & have fun.