**How to build VPN server (Yuhao)**

1. Enter the command in the terminal: sudo apt-get install pptpd
2. After that, enter sudo vi /etc/pptpd.conf
3. Push “i” to –INSERT- state. Going to the next line

Enter: localip 192.168.0.1

Remoteip 192.168.0.234-238, 192.168.0.245

Then push ESC, and then push both SHIFT and ;

Finally, enter wq to quit.

1. Enter: sudo vi /etc/ppp/pptpd-options
2. As we do before, Add: ms-dns 8.8.4.4

Ms-dns 8.8.8.8

Finally using “wq” to quit.

1. Enter: echo “yuhao pptpd password \*” | sudo tee –a /etc/ppp/chap-secrets

**“yuhao” is username. “password” is your VPN password. You can change it.**

OR: you can enter the file<chap-secrets> to add the username and password by yourself.

1. Enter: sudo /etc/init.d/pptpd restart

sudo netstat –ntpl

If the screen shows the message “tcp 0 0 0.0.0.0:1723 0.0.0.0:\* LISTEN 985/pptpd”. It means everything is under control.

1. Enter: sudo vi /etc/sysctl.conf

Then find the line: #net.ipv4.ip\_forward=1. Delete the #.

1. Enter: sudo apt-get install iptables

sudo iptables -t nat -A POSTROUTING -j MASQUERADE

1. Enter: sudo vi /etc/rc.local

Before the line ”exit 0”, add “sudo iptables -t nat -A POSTROUTING -j MASQUERADE”

1. Enter: sudo iptables -I INPUT -p tcp --dport 1723 -j ACCEPT

sudo sysctl –p

Right now. VPN server is ready to use. The address of VPN is your instance address. Username is yuhao and Password is password. If you would like to create a new VPN account, you just need to repeat step 6 and step 7. Good luck.