<p align="center">***************Default***************
WireGuard installation and configuration - on Linux</p>

<p align="center">**https://www.youtube.com/watch?v=bVKNSf1p1d0**</p>

<p align="center">**08/15/25**
***************Default***************</p>

First install WireGuard

 'sudo apt install wireguard tcpdump'

Server /etc/wireguard/wg0.conf

[Interface]
Privatekey=<PrivateKey-of-Sever>
Address=10.0.0.1/8
#SaveConfiig=true
PostUp=iptables -A FORWARD -i wg0 -j ACCEPT; iptables -t nat -A POSTROUTING -o wlan0 -j MASQUERADE;
PostDown=iptables -D FORWARD -i wg0 -j ACCEPT; iptables -t nat -D POSTROUTING -o wlan0 -j MASQUERADE;
ListenPort=<WireGuard-Port >

this is now going to be the 2nd client on pi-zero1 server

> **devel@pi5-80:~/setup-client $ sudo apt install wireguard tcpdump**

> **devel@pi5-80:~/setup-client $ ./private-publickey-cmd.sh**

> **root@pi5-80:/etc/wireguard# nano wg0.conf**

>> **PrivateKey=<PrivateKey-of-Sever>**

>> **PublicKey=<PublicKey-of-Client>**

>> **Endpoint=<WireGuard-Sever-IP:<WireGuard-Port >**

> **devel@pi5-80:~/setup-client $ ./start-client.sh**

> **devel@pi5-80:~/setup-client $ ./setforward.sh**

> **devel@pi-zero1:~/setup-wireguard-server $ sudo wg set wg0 peer <publickey of client> allowed-ips <client-IP mask 32>**

> **devel@pi5-80:~/setup-client $ sudo reboot**

Client Keys

Execute the script to create your WireGuard private and pulic keys for the

Client.

./scripts/WG/client/private-publickey-cmd.sh

First install WireGuard 'sudo apt install wireguard'

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This command will create private and public key
This will create the client keys

This is a previous privatekey which will be deleted
<The previous privatekey>

This is a previous publickey which will be deleted
<The previous publickey>

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This is the privatekey be sure and keep it safe
<This is the newly created privatekey>

This is the publickey be sure and keep it safe

<This is the newly created publickey>

Client /etc/wireguard/wg0.conf

[Interface]
PrivateKey=<PrivateKey-of-Sever>
Address=10.0.0.2/8
[Peer]
PublicKey=<PublicKey-of-Client>
Endpoint=<WireGuard-Sever-IP:<WireGuard-Port >
AllowedIPs=0.0.0.0/0
PersistentKeepalive=30