# Setup of an OpenVPN Server using Docker

* Create the /docker directory and create a docker-compose file.

$ sudo su root

$ mkdir /docker && cd /docker

$ touch docker-compose.yml

$ nano docker-compose.yml

* Fill the docker-compose file:

version: "3"

services:

openvpn-solar:

cap\_add:

- NET\_ADMIN

image: kylemanna/openvpn:latest

ports:

- "1200:1194/udp"

restart: unless-stopped

volumes:

- /docker/openvpn-solar:/etc/openvpn

* Generate the configuration for OpenVPN:

$ docker run -v /docker/openvpn-solar:/etc/openvpn --log-driver=none --rm kylemanna/openvpn ovpn\_genconfig -u udp://[Your Server IP]:1200 -b -c -D –d

* Generate a private key:

$ docker run -v /docker/openvpn-solar:/etc/openvpn --log-driver=none --rm -it kylemanna/openvpn ovpn\_initpki

* Generate a client configuration (without a passphrase):

$ docker run -v /docker/openvpn-solar:/etc/openvpn --log-driver=none --rm -it kylemanna/openvpn easyrsa build-client-full CLIENTNAME nopass

* Retrieve the client configuration with embedded certificates:

$ docker run -v /docker/openvpn-solar:/etc/openvpn --log-driver=none --rm kylemanna/openvpn ovpn\_getclient CLIENTNAME > CLIENTNAME.ovpn

* Generate a client configuration for every VPN client and export them to the client
* When you are done generating clients, start the server with docker-compose

$ docker-compose up -d

# Information on Flags Used

-u SERVER\_PUBLIC\_URL

-n DNS\_SERVER ...

-p PUSH ...

-r ROUTE ...

-s SERVER\_SUBNET (192.168.255.0/24)

-b Disable 'push block-outside-dns'

-c Enable client-to-client option

-d Disable default route

-D Do not push dns servers

-N Configure NAT to access external server network