Preparing

# Install docker:

***curl -fsSL https://get.docker.com -o get-docker.sh***

***sh get-docker.sh***

***chmod +x /usr/bin/docker***

***sudo groupadd docker***

***sudo usermod -aG docker $USER && newgrp docker***

# Docker minimal requirements:

**Memory: 512MB RAM (2GB Recommended). Disk: Sufficient amount to run the Docker containers you wish to use. CPU: 2 cores**

# Create workspace directory:

***torplusworkspace=<yourworkspacedir>***

***mkdir -p ${torplusworkspace}***

***cd ${torplusworkspace}***

# Login to docker registry:

Use login and password is secret

***echo 'ide!$QjNSF@e$8xX' | docker login --username torplusdev --password-stdin***

Run IPFS client

# Pull image

docker pull torplusdev/production:ipfs\_haproxy-latest

# Run Tor-Plus container with IPFS:

# create workspace

cd ${torplusworkspace}

nickname=tunick21 # set your nickname

seed=SCR27IGKMKXSOKUV7AC4T3HBTBVBL2MI45HHFSDNRYJFFVKWQAWBBKKZ # set your seed

# run docker container

 docker run \

        --name torplusipfs \

        -p 28000:28080 \

        -e nickname=${nickname} \

        -e PP\_ENV=stage \

        -e seed=${seed} \

        -v ${PWD}/tor:/root/tor \

        -v ${PWD}/ipfs:/root/.ipfs \

        -v ${PWD}/hidden\_service:/root/hidden\_service \

        --rm \

        torplusdev/production:ipfs-latest

Run web site as host

# Create folder for ssl and copy ssl to dir

torplusworkspace=<yourworkspacedir>

cd ${torplusworkspace}

mkdir -p ssl

# If use let's encrypt:

# install certbot:

apt update && apt install -y certbot

domain=<yourdomains>

email=<youremail>

certbot certonly --standalone -d ${domain} \

--non-interactive --agree-tos --email ${email} \

--http-01-port=80

cat /etc/letsencrypt/live/${domain}/fullchain.pem /etc/letsencrypt/live/${domain}/privkey.pem > ${torplusworkspace}/ssl/<domain>.pem

# Pull docker image:

docker pull torplusdev/production:ipfs\_haproxy-latest

# For host static files

Set static files:

cd ${torplusworkspace}

mkdir static

echo "Hello" >> ./static/index.html # or copy your static files

# Run docker image:

cd ${torplusworkspace}

seed=SCR27IGKMKXSOKUV7AC4T3HBTBVBL2MI45HHFSDNRYJFFVKWQAWBBKKZ # set your seed

nickname=tum332 # set your nickname

docker run \

        --name torplus \

        -e nickname=${nickname} \

        -e seed=${seed} \

        -e role=hs\_client \

        -e HOST\_PORT=80 \

        -e PP\_ENV=prod \

        -e WWW\_IP=127.0.0.1:80 \

        -e useNginx=1 \

        -p 80:80 \

        -p 28000:28080 \

        -v ${PWD}/tor:/root/tor \

        -v ${PWD}/ipfs:/root/.ipfs \

        -v ${PWD}/ssl:/etc/ssl/torplus/ \

        -v ${PWD}/hidden\_service:/root/hidden\_service \

        -v ${PWD}/static:/var/www/html \

        --rm \

        torplusdev/production:ipfs\_haproxy-latest

# Add text record to DNS:

cat ${torplusworkspace}/hidden\_service/hsv3/hostname

torplus=<onion address without .onion suffix>

# Host from another ip or host or localhost site:

Run docker container:

cd ${torplusworkspace}

seed=SCR27IGKMKXSOKUV7AC4T3HBTBVBL2MI45HHFSDNRYJFFVKWQAWBBKKZ # set your seed

nickname=tum332 # set your nickname

domain=smartapi.ru # set your domain

 docker run \

            --name torplus \

            -e nickname=${nickname} \

            -e seed=${seed} \

            -e role=hs\_client \

            -e HOST\_PORT=80 \

            -e PP\_ENV=prod \

            -e WWW\_IP=${domain} \

            -p 80:80 \

            -p 28000:28080 \

            -v ${PWD}/tor:/root/tor \

            -v ${PWD}/ipfs:/root/.ipfs \

            -v ${PWD}/ssl:/etc/ssl/torplus/ \

            -v ${PWD}/hidden\_service:/root/hidden\_service \

            --add-host host.docker.internal:host-gateway \

            --rm \

            torplusdev/production:ipfs\_haproxy-latest