


# OpenVPN with UI on Ubuntu 22.04

 OpenVPN UI

Home Configuration Certificates Logs

Administrator Light

## Status

**Clients: 1**  
In: 714 MB  
Out: 686 MB  
[More info](#)

**Load Average**  
CPU count: 4  
1m: 0.07 5m: 0.08 15m: 0.08  
[More info](#)

**OS uptime**  
0:26  
[More info](#)

**Server Time**  
2024-04-16 11:58:48  
[More info](#)


## Memory usage

Memory 10 / 31 829 MB - 0%


Swap 0 / 8 191 MB - 0%

## Connected clients

Common Name	Real Address	Virtual Address	KB Received	KB Sent	Connected Since	Username
oliutyi	192.168.50.242:54797	10.0.70.2	731 761	702 684	2024-04-16 11:54:55	-



OpenVPN version:  
OpenVPN 2.6.8 x86\_64-alpine-linux-musl [SSL (OpenSSL)] [LZO] [LZ4] [EPOLL]  
[MH/PKTINFO] [AEAD]



Operating system:  
linux  
Architecture:  
amd64

OpenVPN UI. Under the MIT License.

Version 0.9.5.1

```
apt update
apt install git docker.io docker-compose

cd ~
git clone https://github.com/d3vilh/openvpn-ui.git
cd ~/openvpn-ui/
cp docs/docker-compose.yml .

# Prepare files and directories
mkdir -p /opt/openvpn/
mkdir -p /opt/openvpn/pki
mkdir -p /opt/openvpn/db
mkdir -p /opt/openvpn/clients
mkdir -p /opt/openvpn/log
touch /opt/openvpn/fw-rules.sh
touch /opt/openvpn/config/easy-rsa.vars

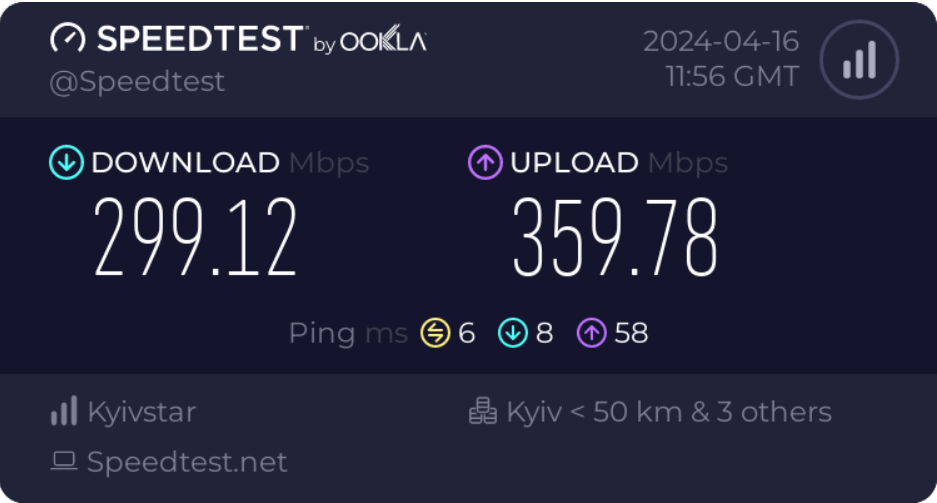
# start
vi docker-compose.yml
docker-compose up -d

#check log
docker logs openvpn

# go inside container
docker exec -it openvpn bash
```

```
root@n200:~/openvpn-ui# iptables -v
iptables v1.8.7 (nf_tables): no command specified
Try `iptables -h' or 'iptables --help' for more information.
```

Some VPN Speedtest (server is on Intel N200)



Some additional info

```
root@n200:~/openvpn-ui# docker ps -a
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
PORTS         NAMES
53df1a9bd798   d3vilh/openvpn-server:latest       "/bin/sh -c ./docker..." 13 minutes ago Up 12 minutes 0.0.0.0:
1194->1194/udp, :::1194->1194/udp   openvpn
ffd21ab71ec4   d3vilh/openvpn-ui:latest           "/bin/sh -c /opt/sta..." 19 minutes ago Up 17 minutes 0.0.0.0:
8080->8080/tcp, :::8080->8080/tcp   openvpn-ui
```

iptables on host system

```

root@n200:~/openvpn-ui# iptables -L -n
Chain INPUT (policy ACCEPT)
target     prot opt source                destination

Chain FORWARD (policy DROP)
target     prot opt source                destination
DOCKER-USER all  --  0.0.0.0/0             0.0.0.0/0
DOCKER-ISOLATION-STAGE-1 all  --  0.0.0.0/0             0.0.0.0/0
ACCEPT     all  --  0.0.0.0/0             0.0.0.0/0             ctstate RELATED,ESTABLISHED
DOCKER     all  --  0.0.0.0/0             0.0.0.0/0
ACCEPT     all  --  0.0.0.0/0             0.0.0.0/0
ACCEPT     all  --  0.0.0.0/0             0.0.0.0/0             ctstate RELATED,ESTABLISHED
DOCKER     all  --  0.0.0.0/0             0.0.0.0/0
ACCEPT     all  --  0.0.0.0/0             0.0.0.0/0
ACCEPT     all  --  0.0.0.0/0             0.0.0.0/0

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination

Chain DOCKER (2 references)
target     prot opt source                destination
ACCEPT     tcp  --  0.0.0.0/0             172.18.0.2            tcp dpt:8080
ACCEPT     udp  --  0.0.0.0/0             172.18.0.3            udp dpt:1194

Chain DOCKER-ISOLATION-STAGE-1 (1 references)
target     prot opt source                destination
DOCKER-ISOLATION-STAGE-2 all  --  0.0.0.0/0             0.0.0.0/0
DOCKER-ISOLATION-STAGE-2 all  --  0.0.0.0/0             0.0.0.0/0
RETURN     all  --  0.0.0.0/0             0.0.0.0/0

Chain DOCKER-ISOLATION-STAGE-2 (2 references)
target     prot opt source                destination
DROP       all  --  0.0.0.0/0             0.0.0.0/0
DROP       all  --  0.0.0.0/0             0.0.0.0/0
RETURN     all  --  0.0.0.0/0             0.0.0.0/0

Chain DOCKER-USER (1 references)
target     prot opt source                destination
RETURN     all  --  0.0.0.0/0             0.0.0.0/0

```

```

root@n200:~/openvpn-ui# iptables -L -n -t nat
Chain PREROUTING (policy ACCEPT)
target     prot opt source                destination              ADDRTYPE match dst-type LOCAL
DOCKER     all  --  0.0.0.0/0              0.0.0.0/0

Chain INPUT (policy ACCEPT)
target     prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination              ADDRTYPE match dst-type LOCAL
DOCKER     all  --  0.0.0.0/0              !127.0.0.0/8

Chain POSTROUTING (policy ACCEPT)
target     prot opt source                destination
MASQUERADE all  --  172.17.0.0/16          0.0.0.0/0
MASQUERADE all  --  172.18.0.0/16          0.0.0.0/0
MASQUERADE tcp  --  172.18.0.2             172.18.0.2              tcp dpt:8080
MASQUERADE udp  --  172.18.0.3             172.18.0.3              udp dpt:1194

Chain DOCKER (2 references)
target     prot opt source                destination
RETURN     all  --  0.0.0.0/0              0.0.0.0/0
RETURN     all  --  0.0.0.0/0              0.0.0.0/0
DNAT       tcp  --  0.0.0.0/0              0.0.0.0/0              tcp dpt:8080 to:172.18.0.2:8080
DNAT       udp  --  0.0.0.0/0              0.0.0.0/0              udp dpt:1194 to:172.18.0.3:1194

```

#### firewall inside container

```

53df1a9bd798:/opt/app# iptables -L -n
Chain INPUT (policy ACCEPT)
target     prot opt source                destination

Chain FORWARD (policy ACCEPT)
target     prot opt source                destination
DROP       1    --  10.0.71.0/24           0.0.0.0/0              icmp type 8
DROP       1    --  10.0.71.0/24           0.0.0.0/0              icmp type 0
DROP       0    --  10.0.71.0/24           192.168.50.0/24

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination

```

```

53df1a9bd798:/opt/app# iptables -L -n -t nat
Chain PREROUTING (policy ACCEPT)
target      prot opt source                destination

Chain INPUT (policy ACCEPT)
target      prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target      prot opt source                destination
DOCKER_OUTPUT 0    --  0.0.0.0/0            127.0.0.11

Chain POSTROUTING (policy ACCEPT)
target      prot opt source                destination
DOCKER_POSTROUTING 0    --  0.0.0.0/0            127.0.0.11
MASQUERADE  0    --  10.0.70.0/24          0.0.0.0/0
MASQUERADE  0    --  10.0.71.0/24          0.0.0.0/0

Chain DOCKER_OUTPUT (1 references)
target      prot opt source                destination
DNAT        6    --  0.0.0.0/0            127.0.0.11          tcp dpt:53 to:127.0.0.11:36327
DNAT        17   --  0.0.0.0/0            127.0.0.11          udp dpt:53 to:127.0.0.11:37983

Chain DOCKER_POSTROUTING (1 references)
target      prot opt source                destination
SNAT        6    --  127.0.0.11           0.0.0.0/0          tcp spt:36327 to::53
SNAT        17   --  127.0.0.11           0.0.0.0/0          udp spt:37983 to::53

```

```

53df1a9bd798:/opt/app# iptables -v
iptables v1.8.10 (nf_tables): no command specified
Try `iptables -h' or 'iptables --help' for more information.

```

```

root@n200:~/openvpn-ui# docker -v
Docker version 24.0.5, build 24.0.5-0ubuntu1~22.04.1

root@n200:~/openvpn-ui# docker-compose -v
docker-compose version 1.29.2, build unknown

```