

## Show Notes for VPN TWAT 2

### Scripts

#### Create a CA

```
./vars  
./clean-all
```

```
./build-ca
```

```
./build-dh
```

#### Build a Server Key

```
./vars <- only needed if you are building a key in a new session
```

```
./build-key-server server
```

#### Build Client Key

```
./vars <- only needed if you are building a key in a new session
```

```
./build-key client1
```

Filename	Needed By	Purpose	Secret
ca.crt	server + all clients	Root CA certificate	NO
ca.key	key signing machine only	Root CA key	YES
dh{n}.pem	server only	Diffie Hellman parameters	NO
server.crt	server only	Server Certificate	NO
server.key	server only	Server Key	YES
client1.crt	client1 only	Client1 Certificate	NO
client1.key	client1 only	Client1 Key	YES
client2.crt	client2 only	Client2 Certificate	NO
client2.key	client2 only	Client2 Key	YES
client3.crt	client3 only	Client3 Certificate	NO
client3.key	client3 only	Client3 Key	YES

Example Server configuration, very similar to stock

Example Server Config

port 1194

proto udp

# You have to specify the interface you want to use, instead of the type of interface you use, so instead  
# of specifying tun, I have to specifying tun  
dev tun0

# Specify the absolute path for all other files so you can run openvpn from any directory instead of just  
# the openvpn directory

ca /etc/openvpn/ca.crt

cert /etc/openvpn/server.crt

key /etc/openvpn/server.key # This file should be kept secret

dh /etc/openvpn/dh1024.pem

server 192.168.20.96 255.255.255.224

ifconfig-pool-persist ipp.txt

push "route 192.168.20.0 255.255.255.0"

client-to-client

keepalive 10 120

comp-lzo

;max-clients 100

persist-key

persist-tun

status openvpn-status.log

;log openvpn.log

;log-append openvpn.log

verb 3

## Example p2p configuration

```
# You have to specify the interface you want to use, instead of the type of interface you use, so instead  
# of specifying tun, I have to specifying tun  
dev tun1
```

```
# 192.168.20.101 is our local VPN endpoint (server).  
# 192.168.20.102 is our remote VPN endpoint (lappy).  
ifconfig 192.168.20.101 192.168.20.102
```

tls-server

```
# Specify the absolute path for all other files so you can run openvpn from any directory instead of just  
# the openvpn directory
```

```
dh /etc/openvpn/dh1024.pem
```

```
ca /etc/openvpn/ca.crt
```

```
cert /etc/openvpn/server.crt
```

```
key /etc/openvpn/server.key
```

```
port 2194
```

```
comp-lzo
```

```
ping 15  
persist-tun  
persist-key
```

```
verb 3
```

Links

KVPNC <http://home.gna.org/kvpnc/en/index.html>)

OpenVPN Admin <http://www.gnomefiles.org/app.php/OpenVPN-Admin>

e-mail: [salveya@gmail.com](mailto:salveya@gmail.com)