

Setting Up Client VPN endpoint

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Creating certificates from easy-RSA.

Clone this repo

<https://github.com/OpenVPN/easy-rsa>

```
$ cd easy-rsa/easyrsa3
$ ./easyrsa init-pki
$ ./easyrsa build-ca nopass
$ ./easyrsa build-server-full demovpn nopass
$ ./easyrsa build-client-full classicvpn.com nopass
```

Next we will import the certificate on ACM.

Certificate body = issued certificate --> pki/issued/<certificate>.crt
Certificate private key = private Key --> pki/private/<privatekey>.key
Certificate chain = ca certificate --> pki/ca.crt

Create Vpc and one public and private subnet and an instance in each subnet.

Creating a VPN endpoint.

Client IPv4 CIDR --> Cidr range you want your client to have after connecting to vpn.

Check -> use mutual authentication.

Select VPC and security group.

Download vpn client Configuration .

Add these files from easyrsa :

```
<cert>
<certificate>
</cert>
```

```
<key>
KEY
</key>
```

And import in vpn and try connecting with VPN.

Setting Up Multiple users for our endpoint

In the same easy-rsa,

Generate unique client-side certificates for each user. The following example shows two users, User1 and User2. Replace with your unique users as needed.

```
$ ./easyrsa build-client-full user1.example.com nopass
```

```
$ ./easyrsa build-client-full user2.example.com nopass
```

Retrieve the contents of the certificate (".crt") files for all users to update the client-side Client VPN configuration file:

```
sudo cat user1.exmaple.com.crt
```

```
sudo cat user2.example.com.crt
```

Retrieve the contents of the key (".key") files for all users to update the client-side Client VPN configuration file:

```
sudo cat user1.example.com.key
```

```
sudo cat user2.example.com.key
```

Download vpn client Configuration .

Add these files from easyrsa :

<cert>

<certificate>

</cert>

<key>

KEY

</key>

And import in vpn and try connecting with VPN.

Achieving ElasticIP from NAT .

We can create a NAT gateway and then we can add our private subnet to our route table .
Similar to Bastion Host.

Thank you...