



Ho to create OpenVPN CA files on Windows

Step 1: Install openvpn-2.1.1-install

Step 2: Modify Vars

Enter the installation directory C:\Program Files\OpenVPN\easy-rsa, and change the file's name vars.bat.sample to vars.bat , and modify the content:

```
=====  
set KEY_COUNTRY=CN  
set KEY_PROVINCE=Liaoning  
set KEY_CITY=Shenyang  
set KEY_ORG=OpenVPN  
set KEY_EMAIL=elm@elm.freetcp.com  
=====
```

Step 3: Enter cmd.exe

```
C:\Documents and Settings\Administrator>cd "\\Program Files\OpenVPN\easy-rsa"
```

```
C:\Program Files\OpenVPN\easy-rsa>vars
```

```
C:\Program Files\OpenVPN\easy-rsa>clean-all.bat
```

Step 4: Build Root-CA

```
C:\Program Files\OpenVPN\easy-rsa>build-ca.bat
```

Loading 'screen' into random state - done

Generating a 1024 bit RSA private key

.....

....++++++

.....++++++

writing new private key to 'keys\ca.key'

You are about to be asked to enter information that will be incorporated into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN.

There are quite a few fields but you can leave some blank

For some fields there will be a default value,

If you enter '.', the field will be left blank.



```

.....+.....+.....+.....
.....+.....+.....+.....+.....+.....
.....
.....
.....+.....++*++*++*

```

Step 5: Create server side certificates

```

=====
=====

```

```

C:\Program Files\OpenVPN\easy-rsa>build-key-server.bat server01
Loading 'screen' into random state - done
Generating a 1024 bit RSA private key
.....++++++
.....++++++
writing new private key to 'keys\server01.key'

```

```

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You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.

```

```

-----
Country Name (2 letter code) [CN]:
State or Province Name (full name) [Liaoning]:
Locality Name (eg, city) [Shenyang]:
Organization Name (eg, company) [OpenVPN]:
Organizational Unit Name (eg, section) []:OpenVPN ORG
Common Name (eg, your name or your server's hostname) []:Server01
Email Address [elm@elm.freetcp.com]:

```

```

Please enter the following 'extra' attributes
to be sent with your certificate request
A challenge password []:
An optional company name []:
Using configuration from openssl.cnf
Loading 'screen' into random state - done
Check that the request matches the signature
Signature ok
The Subject's Distinguished Name is as follows

```



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```
countryName      :PRINTABLE:'CN'
stateOrProvinceName :PRINTABLE:'Liaoning'
localityName     :PRINTABLE:'Shenyang'
organizationName  :PRINTABLE:'OpenVPN'
organizationalUnitName:PRINTABLE:'OpenVPN ORG'
commonName       :PRINTABLE:'Server01'
emailAddress      :IA5STRING:'elm@elm.freetcp.com'
Certificate is to be certified until Jul  7 13:33:23 2016 GMT (3650 days)
Sign the certificate? [y/n]:y
```

1 out of 1 certificate requests certified, commit? [y/n]y

Write out database with 1 new entries

Data Base Updated

Step 6: Create client side certificates

The creating commands is build-key clientName, for example: build-key client1, build-key client2.