

Setting up HTTPS in XAMPP using OpenSSL on Windows.

Open SSL Commands

Setting environment for using XAMPP for Windows.

```
Admin@SANSKRUTI c:\xampp
```

```
#
```

```
Admin@SANSKRUTI c:\xampp
```

```
# cd \xampp\apache
```

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```

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```

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```

```
# openssl genrsa -out server.key 2048
```

```
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```

```
# openssl req -new -key server.key -out server.csr
```

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) [AU]:IN

State or Province Name (full name) [Some-State]:Mharashtra

Locality Name (eg, city) []:Kopargaon

Organization Name (eg, company) [Internet Widgits Pty Ltd]:Sanjivani College of engineering,kopargoan

Organizational Unit Name (eg, section) []:Third year

Common Name (e.g. server FQDN or YOUR name) []:Sanskriti

Email Address []:sanskrutideshmukh15@gmail.com

Please enter the following 'extra' attributes

to be sent with your certificate request

A challenge password []:

An optional company name []:

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```
# openssl x509 -req -in server.csr -signkey server.key -out server.crt
```

Certificate request self-signature ok

subject=C = IN, ST = Mharashtra, L = Kopargaon, O = "Sanjivani College of engineering,kopargoan", OU = Third year, CN = Sanskriti, emailAddress = sanskrutideshmukh15@gmail.com

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```
# c:\xampp\apache\conf\extra\httpd-ssl.conf
```

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```
# c:\xampp\apache\conf\extra\httpd-ssl.conf
```

Next Steps in Apache Configuration

Move server.key and server.crt to C:\xampp\apache\conf\.

Then in httpd-ssl.conf, ensure these lines are set:

apache

SSLEngine on

SSLCertificateFile "conf/server.crt"

SSLCertificateKeyFile "conf/server.key"

And in httpd.conf, make sure this line is **uncommented**:

apache

Include conf/extra/httpd-ssl.conf

Restart Apache from XAMPP Control Panel

Click "Stop" and "Start" on Apache.

Test in Browser:

Go to: <https://localhost>

Expected result:

- You'll see a **browser warning** (self-signed cert).
- Click **"Advanced" → "Proceed to localhost"*.
- You'll see the Apache default page (like "It works!" or XAMPP dashboard).