
Subject: Https referance example doesn't work
Posted by [przem_kaz](#) on Wed, 01 Apr 2026 10:48:16 GMT
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Hello!

Just to be sure, I'm starting a separate thread so it doesn't get overlooked ;)
I'd like to report an issue with the HTTPS example from the reference:

1. First issue – the attached certificates have been invalid for some time now.
2. Even after connecting new valid certificates (self-signed), when I enter `https://localhost:4000` into the browser, an error message appears in the browser window:

The localhost server is using an unsupported protocol.
ERR_SSL_VERSION_OR_CIPHER_MISMATCH

And in the application logs:

```
Connection accepted
SSL handshake failed: socket(568) / SSL handshake: Unknown error code.
===== Waiting...
```

Subject: Re: Https referance example doesn't work
Posted by [zouqi](#) on Wed, 01 Apr 2026 14:11:16 GMT
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Hi przem_kaz:

Maybe the server.crt expiry date expired.

You need to create a new server.crt and server.key file according to the following method.

```
//1. Gen CA file. myca.key, myca.cert
openssl genrsa -aes256 -out myca.key 2048
openssl rsa -in myca.key -out myca.key
openssl req -new -x509 -days 3650 -key myca.key -out myca.crt -subj
"/C=CN/ST=SD/L=YT/O=xx/OU=CA/CN=MYCA/emailAddress=youremail@xxx.com"
```

```
//2. gen server.key and server.crt
openssl genrsa -aes256 -out server.key 2048
openssl rsa in server.key -out server.key
```

```
openssl req -new -key server.key -out server.csr -subj  
"/C=CN/ST=SD/L=YT/O=xxx/OU=RD/CN=xxx/emailAddress=youremail@xxx.com"
```

```
openssl x509 -req -days 3650 -in server.csr -CA myca.crt -CAkey myca.key -CAcreateserial -out  
server.crt
```

Subject: Re: Https referance example doesn't work
Posted by [przem_kaz](#) on Wed, 01 Apr 2026 19:15:26 GMT
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Hi zouql
Thank you for your suggestions.

I tried using the new certificate, as I mentioned in my first message
But just to be sure, I tried your suggestion using OpenSSL (on my first attempt, I used the XCA
tool to create a new certificate)
I'm getting the same results – it doesn't work.

Could you please try compiling the HTTPS reference code and let me know if it works for you?

BR
Przemek

Subject: Re: Https referance example doesn't work
Posted by [zouql](#) on Thu, 02 Apr 2026 01:05:07 GMT
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Hi przem_kaz:

These are the server.crt and server.key files I generated. Replace the two files in the code
directory, compile and run. This is the result in the browser.

result page.

File Attachments

- 1) [server.crt](#), downloaded 26 times
- 2) [server.key](#), downloaded 29 times
- 3) [QQ20260402-085632.png](#), downloaded 138 times



Privacy error



Not secure

https://127.0.0.1:4000



Your connection isn't private

Attackers might be trying to steal your information (e.g., passwords or credit cards).

NET::ERR_CERT_AUTHORITY_INVALID

Advanced

4) [QQ20260402-085709.png](#), downloaded 130 times



Privacy error



Not secure

~~https~~://127.0.0.1:4000

This server couldn't prove that it's **127.0.0.1**; it's running on a different operating system. This may be caused by a misconfigured connection.

[Continue to 127.0.0.1 \(unsafe\)](#)

Hide advanced

5) [QQ20260402-085720.png](#), downloaded 140 times



127.0.0.1:4000



Not secure

https://127.0.0.1:4000

Method: GET

URI: /

host: 127.0.0.1:4000

connection: keep-alive

cache-control: max-age=0

sec-ch-ua: "Chromium";v="146", "Not-A.Brand";v="24"

sec-ch-ua-mobile: ?0

sec-ch-ua-platform: "Windows"

upgrade-insecure-requests: 1

user-agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64;

Safari/537.36 Edg/146.0.0.0

accept:

text/html,application/xhtml+xml,application/xml;q=0.9,im

exchange;v=b3;q=0.7

sec-fetch-site: none

sec-fetch-mode: navigate

sec-fetch-user: ?1

sec-fetch-dest: document

accept-encoding: gzip, deflate, br, zstd

accept-language: en-GB,en;q=0.9,zh-CN;q=0.8,zh;q=0.7

Current time: 04/02/2026 08:57:13

Subject: Re: Https referance example doesn't work
Posted by [przem_kaz](#) on Sun, 12 Apr 2026 13:29:23 GMT
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Hi Zouql,
I just realized today that I hadn't replied to your post.

I can confirm that the HTTPS reference app works fine with your certificate—I messed something up when I tried to create a new certificate using the XCA app.

Thanks for your help.
Przemek
