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Enable https using UVICORN

Asked 2 years, 8 months ago Modified 1 year, 9 months ago Viewed 25k times



2

I tried this tutorial (<https://dev.to/rajshirolkar/fastapi-over-https-for-development-on-windows-2p7d>) and then when I went to my browser but I cannot access my localhost address using https, if I try http it works but I need to use HTTPS.



Here is the code I tried:



```
import uvicorn

if __name__ == "__main__":
    uvicorn.run("app.api:app",
                host="localhost",
                port=8432,
                reload=True,
                ssl_keyfile="./key.pem",
                ssl_certfile="./cert.pem")
```

python

fastapi

uvicorn

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edited Aug 12, 2022 at 18:40



ConMan77

75 ● 6

asked Sep 16, 2021 at 11:18



Minonja Nandraina

Razakaso

41 ● 1 ● 3 ● 6

2 Answers

Sorted by: Highest score (default)



6

Try with this

```
if __name__ == '__main__':
    uvicorn.run(
        app,
        host="0.0.0.0",
        port=8432,
        ssl_keyfile="./localhost+4-key.pem",
        ssl_certfile="./localhost+4.pem"
    )
```



If you pass directly your `app` instead the description of attributes `app.api:app` you can't use the automatic reload and the workers, but it is an easy way to test if the things are good configured.

Recommendations:

Ensure you are running this command: `mkcert localhost 127.0.0.1 ::1` in the folder of your project, also you are probably writing wrong the name of the ssl certificates.

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edited Dec 31, 2021 at 13:35

answered Dec 31, 2021 at 13:23

**Juan Emilio**

161 ● 3 ● 5

Do we need .pem files for running https? How to create ssl certificate for https?

– [Amarnath Reddy Surapureddy](#) Feb 22 at 10:19

syntax typo `if __name__ == 'main':` need double `==` sign. 😊 – [Sylvain](#) Apr 30 at 11:33 ✎



If you got this error: "Unsupported upgrade request". Try install `uvicorn[standard]`.

0

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answered Sep 16, 2021 at 11:29

**btlam87**

83 ● 7



AFTER verification the issue is about, Unverified HTTPS request. I can conclude that the certification is not supported by Firefox. It tried Chrome browser and it works perfectly. From the client application, I should just accepted the provided certification – [Minonja Nandraina Razakaso](#) Sep 16, 2021 at 13:19 ✎