

# Get angular-cli to ng serve over HTTPS

Asked 2 years, 11 months ago   Active 1 month ago   Viewed 35k times



The following doesn't seem to do anything.

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```
ng serve --ssl true --ssl-key <key-path> --ssl-cert <cert-path>
```



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Creating the Certificate and key by providing them in the default ssl directory still does nothing. It looks like `ng server` is completely ignoring the `--ssl` parameter and keeps saying `NG Live Development Server is running on http://localhost:4200`.

 angular    https    angular-cli

edited Sep 17 '18 at 16:00



Alexander Abakumov

5,529   5   50   79

asked Aug 29 '16 at 15:59



grim

1,329   3   11   15

try `ng serve --ssl 1 --ssl-key "ssl/local.brianflove.com.key" --ssl-cert "ssl/local.brianflove.com.crt"` — Andreas Sep 26 '17 at 10:15

## 6 Answers



### Angular CLI 6+

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I've updated my own projects so I figured I can now update this answer too.



You'll now put the path to your key and certificate in your `angular.json` file as follows:



```
{  
  "schematics": {  
    "@schematics/angular:build": {  
      "ssl": {  
        "key": "ssl/local.brianflove.com.key"  
      }  
    }  
  }  
}
```

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```

    "architect": {
      "serve": {
        "options": {
          "sslKey": "<relative path from angular.json>/server.key",
          "sslCert": "<relative path from angular.json>/server.crt",
          ...
        }, ...
      }, ...
    }, ...
  }, ...
}

```

And then you can run:

```
ng serve --ssl
```

If you want SSL on by default then you should add a `"ssl": true`, option immediately below the `sslKey` and `sslCert`.

You can find the angular.json schema at the [Angular CLI documentation](#).

## Old answer for Angular CLI 1.0.0+.

Angular-CLI now works with the SSL options. Like you've noted, you can manually select which key and cert you'd like to use with the command:

```
ng serve --ssl --ssl-key <key-path> --ssl-cert <cert-path>
```

If you'd like to set a default path for your key and cert then you can go into your `.angular-cli.json` file adjust the Defaults section accordingly:

```

{
  "$schema": "./node_modules/@angular/cli/lib/config/schema.json",
  "defaults": {
    "serve": {
      "sslKey": "<relative path from .angular-cli.json>/server.key",
      "sslCert": "<relative path from .angular-cli.json>/server.crt",
      ...
    }
  }
}

```

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And then you can run:

```
ng serve --ssl
```

If you want SSL on by default then you should add a `"ssl": true`, option immediately below the `sslKey` and `sslCert`.

edited Oct 22 '18 at 23:46

answered May 18 '17 at 18:19



Taul

785 7 13

2 "ssl" : "true" will start ssl by default – Dominik K May 23 '18 at 16:31

@Dominik, where to write "ssl" : "true" . Can you tell me either in ng serve command or in angular-cli.json. Thank you – Mahi Jul 11 '18 at 5:56

@Ahmadmnzr It would be another key-value pair inside the `serve` object. So it would go on the line beneath `"sslCert": "<relative path from .angular-cli.json>/server.crt"`. – Taul Jul 11 '18 at 18:46

Thanks, @Taul... Using command `ng serve - - ssl true`; also running angular 4 app on https without entry in angular-cli.json – Mahi Jul 11 '18 at 19:43

Can you tell how to run build file of angular app on https on any server. Does any configuration needed to be done in Angular4 app – Mahi Jul 11 '18 at 19:45

JFYI, in Angular6 you have to put the conf in the options (in angular.json) :

20

```
"serve": {
  "builder": "@angular-devkit/build-angular:dev-server",
  "options": {
    "browserTarget": "app:build",
    "ssl": true,
    "sslKey": "path to .key",
    "sslCert": "path to .crt"
  },
  ...
}
```

edited Jul 3 '18 at 1:04

answered Jul 3 '18 at 0:46

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I read somewhere if I give --ssl true, angular will create key, cert for the project. Where can I see the file in my project? – P Satish Patro Jan 31 at 3:19

this works for me – Aniruddha Das Mar 19 at 20:49

To complement this solution, if you ever wonder how to generate key and certificate for localhost, here is a great step by step article about it:

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<https://medium.freecodecamp.org/how-to-get-https-working-on-your-local-development-environment-in-5-minutes-7af615770eec>

answered Mar 4 '18 at 8:43



wawka

2,484

1

20

18

3 In a few years this link is down. Then what? – Mick Jan 14 at 13:00

2 You should first explain, then give link. The recommended way. If link go down. You will only get downvote and people will not get the knowledge – P Satish Patro Jan 31 at 3:36

Very simple solution from [this page](#)

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**npm install browser-sync --save-dev**

**ng serve --ssl true --ssl-key /node\_modules/browser-sync/lib/server/certs/server.key --ssl-cert /node\_modules/browser-sync/lib/server/certs/server.crt**

Quick and bold) Just used it in my angular cli 6.2.3 project

answered Nov 20 '18 at 17:10



Alexander Poshtaruk

1,420

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1 Works great without messing with any Certs! cheers... – Playnox Jul 23 at 23:12

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fixes this issue. However it has not been merged yet in the master at the time of this writing.

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answered Oct 7 '16 at 18:30



Stefan Baramov

39 4

This does not provide an answer to the question. Once you have sufficient [reputation](#) you will be able to [comment on any post](#); instead, [provide answers that don't require clarification from the asker](#). - [From Review](#) – Jason Yost Oct 9 '16 at 18:29

- 1 The latest version of angular-cli fixes the issue. So to fix the issue all you have to do is upgrade to latest angular-cli – [Stefan Baramov](#) Oct 25 '16 at 15:55

Angular CLI 1.0.0+.

0

ng serve **--ssl 1 --ssl-key** {{key-path}} **--ssl-cert** {{cert-path}}

Angular CLI 6+

ng serve **--ssl true --sslKey** {{key-path}} **--sslCert** {{cert-path}}

Change the values in {{\*-path}}, to the corresponding values.

answered Jun 2 at 1:35



Charles Silva

1