

Angular 4: How to read content of text file with HTTPClient

Asked 1 year, 10 months ago Active 30 days ago Viewed 38k times



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I have a .txt file in my Angular 4 project directory and I want to read its content. How to do it ? Below is the code which I employed.

The file is in 'files' folder which is inside the 'app' folder. The component where i have HTTPClient code is in 'httpclient' folder which is inside 'app' folder.

Meaning 'files' folder and 'httpclient' folder are children.

The code is shown below. It not working as i m getting 404 error - 'GET <http://localhost:4200/files/1.txt> 404 (Not Found)'

```
this.http.get('/files/1.txt').subscribe(data => {
  console.log(data);
},
  (err: HttpResponse) => {
    if (err.error instanceof Error) {
      // A client-side or network error occurred. Handle it accordingly.
      console.log('An error occurred:', err.error.message);
    } else {
      // The backend returned an unsuccessful response code.
      // The response body may contain clues as to what went wrong,
      console.log(`Backend returned code ${err.status}, body was:
${err.error}`);
    }
  }
);
```

javascript

 angular

edited Jul 16 at 2:28



laiike9m

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asked Nov 1 '17 at 10:59



yogihosting

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Have you tried a relative URL? (i.e. `http.get('files/1.txt')` -- no initial slash) Or placing the files in the `assets` folder, the content of which - I

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angular.io/guide/http#requesting-non-json-data – [yogihosting](#) Nov 1 '17 at 11:12

your file path is correct ? – [Chandru](#) Nov 1 '17 at 11:20 

yes file path is correct. Even if i move the text file to the same folder of teh component and do this.`http.get('./1.txt')` i get the same error. – [yogihosting](#) Nov 1 '17 at 11:23

- 1 [@yogihosting](#) it's not working because when the CLI builds the project with `ng serve` it only processes `.ts`, `.html` and `.css` files. Static assets like `.txt` files do not belong in your code and they are dropped by `ng serve` . – [AngularChef](#) Nov 2 '17 at 10:32 

5 Answers



Try like this :

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```
this.http.get('app/files/1.txt').subscribe(data => {
  console.log(data.text());
})
```



The CLI can't access documents inside the app directory your project. if you move to text document you can access the text file like `assets/1.txt` .

if you want to access document inside the app directory you need to add path in assets array in the **.angular-cli.json**

.angular-cli.json

```
"assets": [
  "assets",
  "app", /* add this line to access document inside the app directory */
  "favicon.ico"
]
```

here below is my example try like this :

```
this.http.get('app/home/1.txt').subscribe(data => {
  console.log('data', data.text());
})
```

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Chandru

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Yes assets files are accessible but How I can assess files kept in separate folder? – [yogihosting](#) Nov 1 '17 at 11:32

you need to add `app` in the `angular-cli.json` file inside the `assets` array . then you can access it. and import is re-run the project – [Chandru](#) Nov 1 '17 at 11:33

I added `app` to the `angular-cli.json`, its still not working. – [yogihosting](#) Nov 1 '17 at 11:38

@yogihosting After add `app` inside the `assets` array. you need to Re-run the project or Restart the project – [Chandru](#) Nov 1 '17 at 11:39

- 2 you are just great! I have to restart my angular project. I was using vs code. So i closed it and reopened it and ran the app once more. Now I am able to asses it. The code here is `this.http.get('app/files/1.txt', {responseType: 'text'})` – [yogihosting](#) Nov 1 '17 at 11:46

Angular 6/7

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```
{ responseType: 'text' as 'json' }
```

for now works

```
this.http.get("app/files/1.txt", { responseType: 'text' as 'json' }).subscribe(data => {
  console.log(data.text());
})
```

Refer to [this ticket](#) on GitHub for the complete discussion.

edited Aug 23 at 8:37



Hyphenate

488

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answered Nov 3 '18 at 13:22



nsk

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Just one correction to the previous answer: add `"responseType: 'text'"` to the options:

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```
this.http.get("app/files/1.txt", "{ responseType: 'text' }").subscribe(data => {
```

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I was able to get a local file(JSON) with **Angular 6** project.

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Project structure:

```
| -src
| --app
| ---core
| ---...
| ---app.module.ts
| --assets
| ...
```

Steps:

1) Inside `angular.json` I've added the folder where I put the file:

```
"projects": {
  "my-project": {
    "root": "",
    "sourceRoot": "src", // ** my project root is "src" folder
    "projectType": "application",
    "architect": {
      "build": {
        "builder": "@angular-devkit/build-angular:browser",
        "options": {
          // ...
          "assets": [
            "src", // <--- ADDED THIS
            "src/assets",
            "src/favicon.ico",
            "src/manifest.json",
            "src/robots.txt",
            "src/web.config"
          ]
        }
      }
    }
  }
}
```

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```
import { HttpClient } from '@angular/common/http'
import { Injectable } from '@angular/core'

@Injectable({
  providedIn: 'root'
})
export class EnvironmentService {
  constructor(private readonly _httpClient: HttpClient) {

  }

  public init(): Promise<any> {
    return new Promise(resolve => {
      this._httpClient
        .get('file.json')
        .first()
        .subscribe((data: any) => {
          // data from JSON
          resolve()
        })
    })
  }
}
```

Bonus:

In case if you want to read custom environment variables(besides what standard Angular one provides) you can add above service into App.module.ts :

```
export function init_app(appLoadService: EnvironmentService): () => Promise<any> {
  return () => appLoadService.init()
}

@NgModule({
  // ...
  providers: [
    EnvironmentService,
    { provide: APP_INITIALIZER, useFactory: init_app, deps: [ EnvironmentService ],
    multi: true },
  ],
  bootstrap: [ AppComponent ]
})
export class AppModule {
}
```

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Working with a Angular 6 app as well, followed your solution, but wasn't able to retrieve the JSON successfully. I created: [Angular 6: HttpClient Get JSON File 404 Error](#) To clarify my situation. – TYMG Jun 21 '18 at 17:07

Shared an answer in your post: stackoverflow.com/a/50986804/806202 I hope it will help. – Arsen Khachatryan Jun 22 '18 at 11:20

This is tested in Angular 6

1

Create a service using

```
import { Injectable } from '@angular/core';
import { HttpClient } from '@angular/common/http';
//Read text file
export interface ResultJson{

}
@Injectable({
  providedIn: 'root'
})
export class TestService {
  urlEncoded = '/Test.text';
  getText(){
    return this.http.get(this.urlEncoded, {responseType: 'text'});
  }
}
```

and call the service in your component like below

```
resultJSON: ResultJson;
ResultJsonString : any;
this
  .testService
  .getText()
  .subscribe((data:ResultJson) => {
    this.ResultJsonString = data;
  })
```

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edited Aug 29 '18 at 20:53



Ralf

9,562

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answered Aug 29 '18 at 20:31



user2112373

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