

How to decode the JWT encoded token payload on client-side in angular 5?



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I am getting one JWT encoded access token from my API in response. But I am not able to decode it and get it in JSON format. I tried using the angular2-jwt library for it, but it did not worked. I am writing my code below:

```
setXAuthorizationToken(client){
  let requestHeader = new Headers();
  requestHeader.append('Content-Type', 'application/x-www-form-urlencoded');
  this.http.post(client.clientURL + "oauth/token",
    'grant_type=password&client_id=toto&client_secret=sec&' + 'username=' + client.username
    + '&password=' + client.password, {
      headers: requestHeader
    }).map(res=>res.json())
    .subscribe((token) =>{
      if(!token.access_token){
        return;
      }
      else{
        var decompressToken =
        LZString.decompressFromEncodedURIComponent(token.access_token);
        console.log(decompressToken);
      }
    });
}
```

Can anybody please help me solve this issue?

 angular  jwt  decode  access-token

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2 Answers



I use `jwt-decode` package for decoding JWT token in angular 5; this package work me fine.

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after install package through this command:



```
npm install jwt-decode
```

import this package into your TypeScript class through this syntax:

```
import * as jwt_decode from "jwt-decode";
```

and use this library method for decoding your access token like this

```
getDecodedAccessToken(token: string): any {  
  try{  
    return jwt_decode(token);  
  }  
  catch(Error){  
    return null;  
  }  
}
```

`token` parameter define your access token which get from your API

`jwt_decode` method return decoded token info as an object; you can access any info into your token.

Example:

```
let tokenInfo = this.getDecodedAccessToken(token); // decode token
```

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IMPORTANT: This library doesn't validate the token, any well formed JWT can be decoded. You should validate the token in your server-side logic by using something like express-jwt, koa-jwt, Owin Bearer JWT, etc.

edited Jan 16 '18 at 19:32

answered Jan 16 '18 at 19:00



Hasan Fathi

2,457 1 22 28

is there any similar available in react native with expo – Chandni Jan 15 at 9:31

@Chandni please check this library react-native-pure-jwt in this link : npmjs.com/package/react-native-pure-jwt – Hasan Fathi Jan 15 at 11:34

Thank you. Let me check it – Chandni Jan 15 at 13:33

Use [@auth0/angular-jwt](#)

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Step - 1 : Install using npm

```
npm install @auth0/angular-jwt
```

Step - 2 : Import the package

```
import { JwtHelperService } from '@auth0/angular-jwt';
```

Step - 3 : Create an instance and use

```
const helper = new JwtHelperService();  
  
const decodedToken = helper.decodeToken(myRawToken);
```

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Debojyoti

1,724 7 18

2 do I need to sign up on Auth0 for using this? Is it only limited to 7000 users as it says? – Ramesh Pareek Jul 6 '18 at 11:46

What do you want? Decoding library or their service? @RameshPareek – Debojyoti Jul 6 '18 at 11:49 ✎

2 @RameshPareek - to use the service by auth0 the limit is given. @auth0/angular-jwt is just helper library – Abhay Gawade Sep 18 '18 at 9:42

token isTokenExpired always return false – Robert Sep 20 '18 at 10:44

@Robert please check the expiry set rule in the backend. – Debojyoti Nov 9 '18 at 5:59

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