

General details

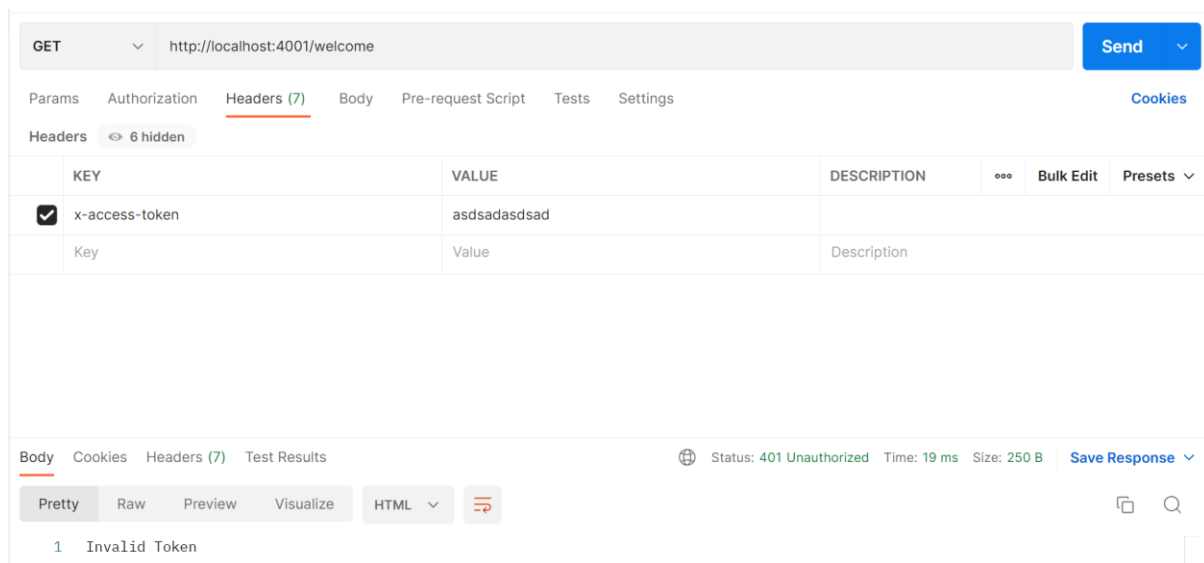
I created a web app to showcase authentication and authorisation. There are 5 endpoints to:

1. Register a user
2. Login (with username and password)
3. Display welcome message if authenticated
4. Whitelist a user
5. Display secret message if authenticated AND authorised

To do this, I use JWT.

Proof of Authentication

The following screenshot shows the welcome page if I am not authenticated.



In the following screenshots I show how I create a user, login and display a welcome message once authenticated.

POST

http://localhost:4001/register

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

```
1 {
2   ... "first_name": "Bob",
3   ... "last_name": "Smith",
4   ... "email": "email@example.com",
5   ... "password": "123456"
6 }
```

Body

Cookies

Headers (7)

Test Results

Status: 201 Created

Time: 180 ms

Size: 651 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "first_name": "Bob",
3   "last_name": "Smith",
4   "email": "email@example.com",
5   "password": "$2a$10$CFZhmY1DFrZSK4VBAXeY..taj81hTQbjbnxEWyj1PzUkFBGFdGIQK",
6   "_id": "636fb1840b4c7714ca20a7a9",
7   "__v": 0,
8   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX21kIjoiaWZmIiwiaWF0IjE0ODQwYjRjNzcxNGNhMjBhN2E5IiwiaWwiOiJlbWVhbnVbSIsIm1hdCI6MTY2ODI2NDMyNCwiZXhwIjoxNjY4MjY3OTU0fQ.YT-u7SP_a4dmmilkWmBP2_vu5qYmmncj48TBc278TiE"
9 }
```

POST

http://localhost:4001/login

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

```
1 {
2   ... "email": "email@example.com",
3   ... "password": "123456"
4 }
```

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 108 ms

Size: 646 B

Save Response

Pretty

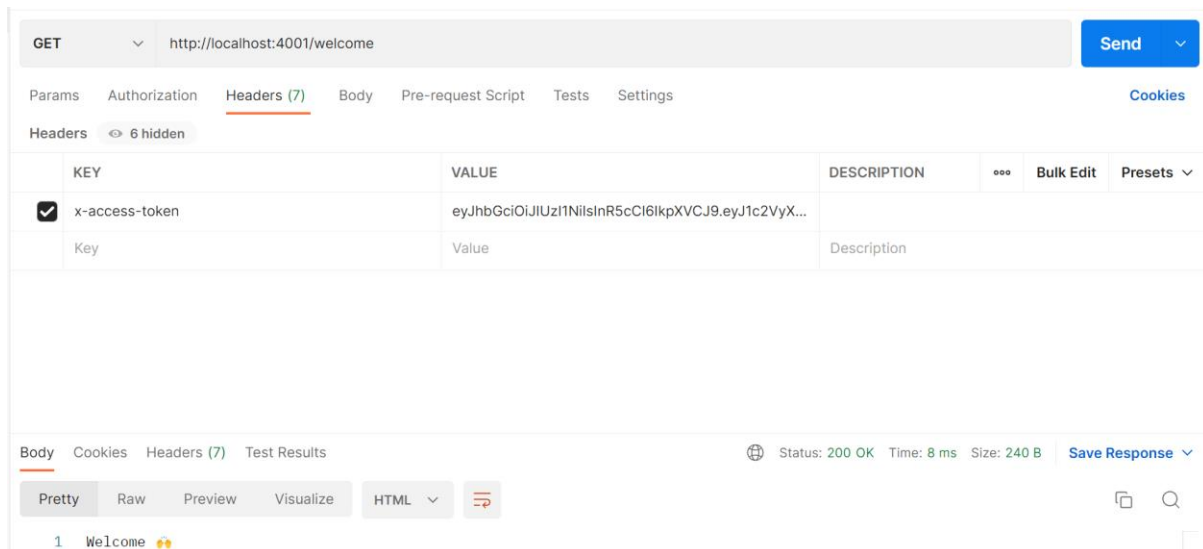
Raw

Preview

Visualize

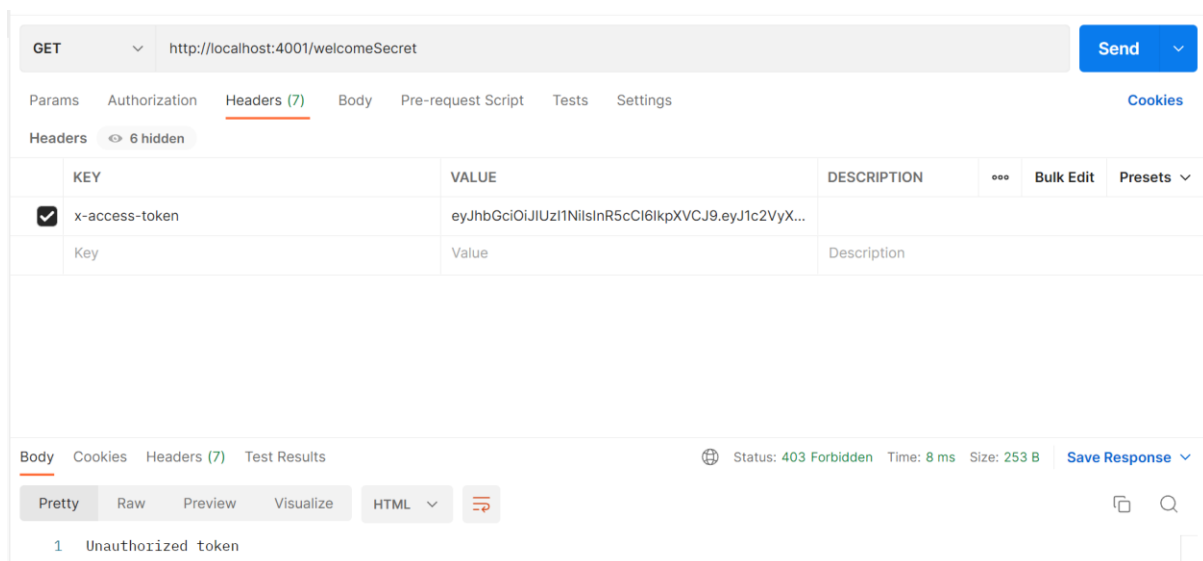
JSON

```
1 {
2   "_id": "636fb1840b4c7714ca20a7a9",
3   "first_name": "Bob",
4   "last_name": "Smith",
5   "email": "email@example.com",
6   "password": "$2a$10$CFZhmY1DFrZSK4VBAXeY..taj81hTQbjbnxEWyj1PzUkFBGFdGIQK",
7   "__v": 0,
8   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX21kIjoiaWZmIiwiaWF0IjE0ODQwYjRjNzcxNGNhMjBhN2E5IiwiaWwiOiJlbWVhbnVbSIsIm1hdCI6MTY2ODI2NDM1IiwiaXhwIjoxNjY4MjY3OTU0fQ.vGtutQ4a0R1cd7ZKTuq0gfrhfYwdzRuddxZ5uV9Mv4E"
9 }
```



Proof of Authorisation

The following screenshot shows the welcome page if I am authenticated BUT not authorised.



In the following screenshots I authorise the user by visiting the relevant endpoint and then display a welcome message only shown to authorised users.

GET

http://localhost:4001/whitelistMe

Send

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettingsCookies

Headers

6 hidden

	KEY	VALUE	DESCRIPTION		Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX...				
	Key	Value	Description			

BodyCookiesHeaders (7)Test Results

Status: 200 OKTime: 30 msSize: 238 BSave Response

PrettyRawPreviewVisualizeHTML

1Whitelisted

GET

http://localhost:4001/welcomeSecret

Send

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettingsCookies

Headers

6 hidden

	KEY	VALUE	DESCRIPTION		Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyX...				
	Key	Value	Description			

BodyCookiesHeaders (7)Test Results

Status: 200 OKTime: 18 msSize: 262 BSave Response

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1Welcome to the secret website 🏠