

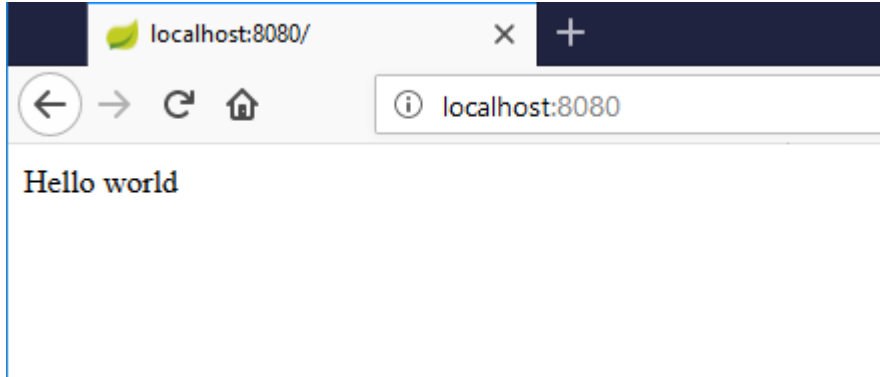
# REST API with authentication using Spring Security + OAuth2 + JPA

A simple and basic example to secure REST API with authentication using Spring Boot , Security , OAuth2 and JPA.

You can find more about this topic on official spring documentation:

<https://projects.spring.io/spring-security-oauth/docs/oauth2.html>

1. No private resource:



2. Access private resource:

GET

http://localhost:8080/private

Params

Send

Authorization

Headers

Body

Pre-request Script

Tests

Key	Value	Description	...
New key	Value	Description	

Body

Cookies

Headers (9)

Test Results

Status: 401 Unauth

Pretty

Raw

Preview

JSON

1

{

2

"error": "unauthorized",

3

"error\_description": "Full authentication is required to access this resource"

4

}

### 3. Request for Access Token:

localhost:8080/oauth/

http://localhost:8080/

+

...

No Environment

POST

localhost:8080/oauth/token?grant\_type=password&username=user&password=user

Params

Send

Authorization

Headers (2)

Body

Pre-request Script

Tests

Type

Basic Auth

Clear

Username

my-trusted-client

The authorization header will be generated and added as a custom header

Password

secret

☐ Save helper data to request

☒ Show Password

Body

Cookies

Headers (10)

Test Results

State

Pretty

Raw

Preview

JSON

```
1 {
2   "access_token": "442356ce-4ac7-40e5-b67a-ebc3fc4d016d",
3   "token_type": "bearer",
4   "expires_in": 4141,
5   "scope": "read write trust"
6 }
```

4. Access private resource with access-token:

localhost:8080/oauth/

http://localhost:8080/

+

...

No Environment

GET

http://localhost:8080/private

Params

Send

Authorization

Headers (1)

Body

Pre-request Script

Tests

	Key	Value	Description	...	Bu
<input checked="" type="checkbox"/>	Authorization	bearer 442356ce-4ac7-40e5-b67a-ebc3fc4d016d			
	New key	Value	Description		

Body

Cookies

Headers (9)

Test Results

Status: 20

Pretty

Raw

Preview

Text

...

1

Private area