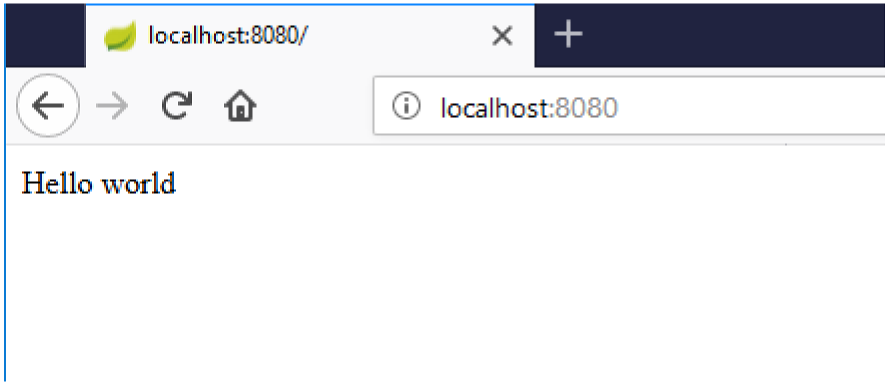
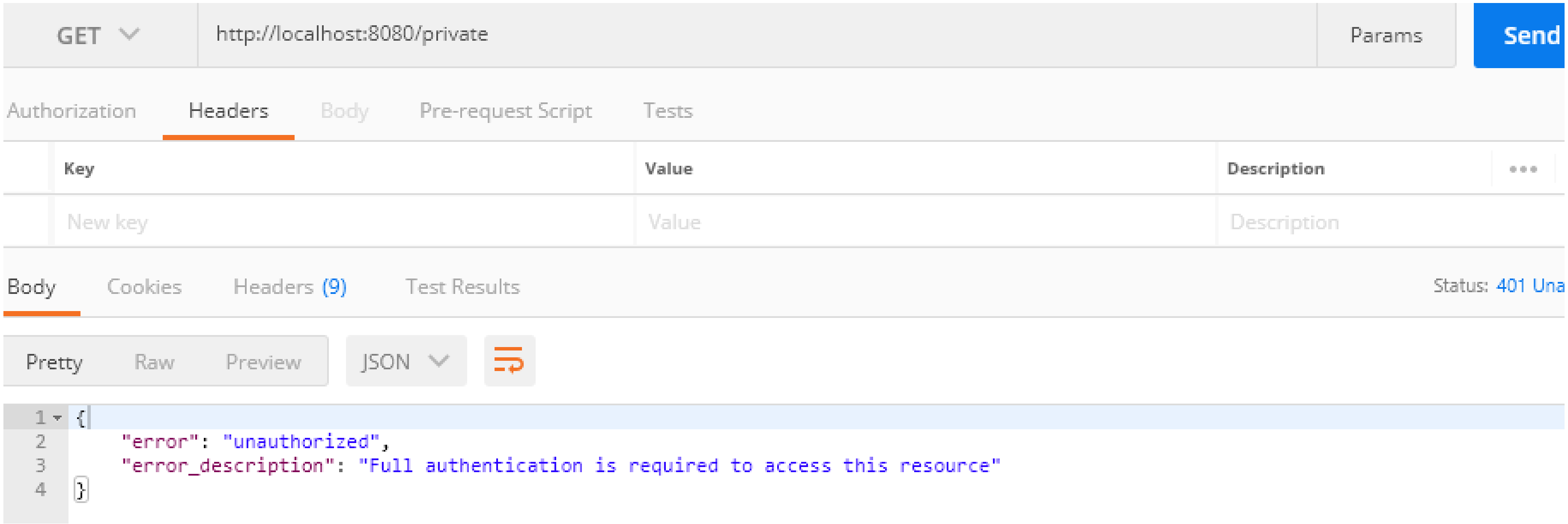
# REST API with authentication using Spring Security + OAuth2 + JPA

1. No private resource:



Hello world

2. Access private resource:



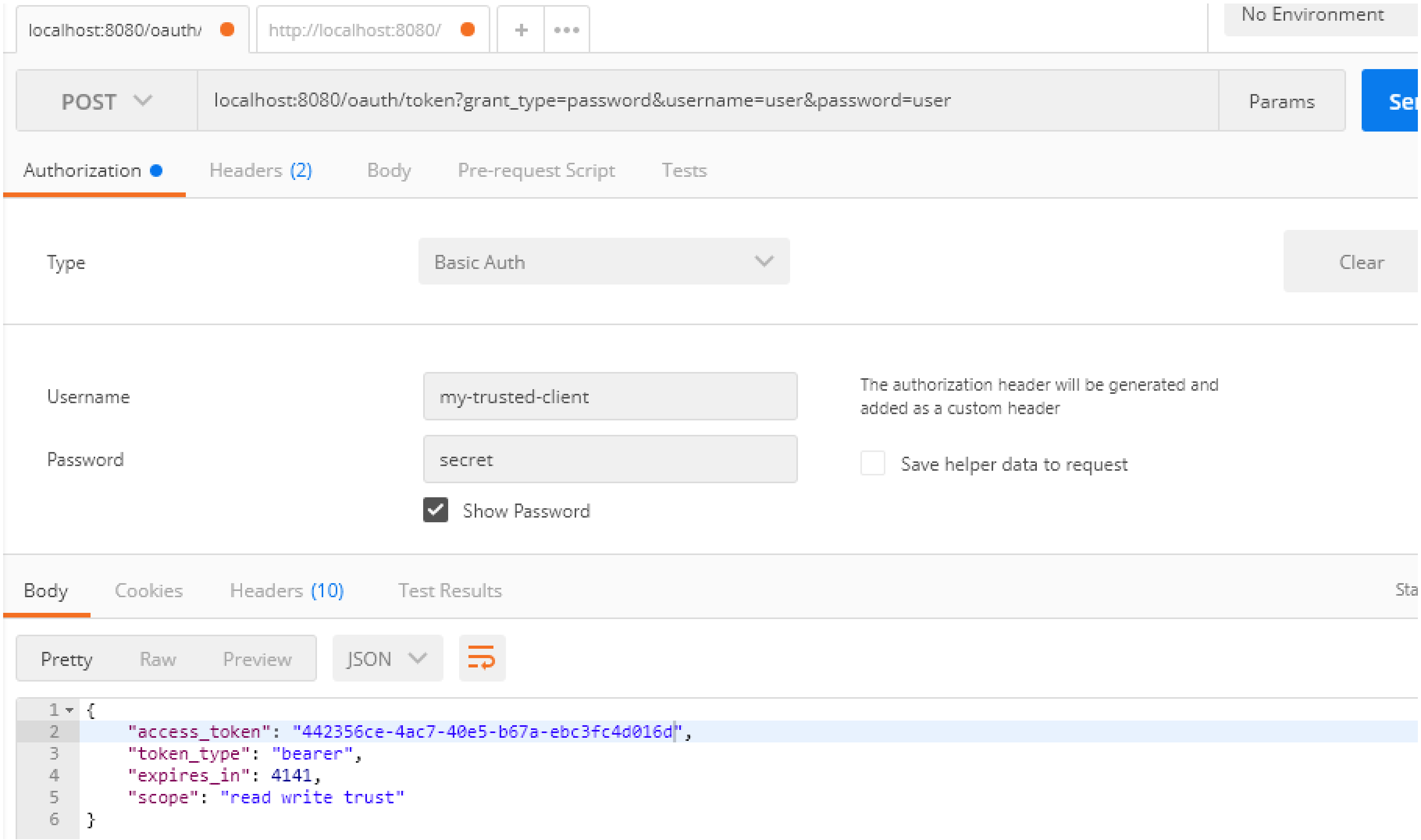
GET http://localhost:8080/private

JSON

Status: 401 Una

```
{
    "error": "unauthorized",
    "error_description": "Full authentication is required to access this resource"
}
```

3. Request for Access Token:



POST localhost:8080/oauth/token?grant_type=password&username=user&password=user

Type: Basic Auth

Username: my-trusted-client

Password: secret

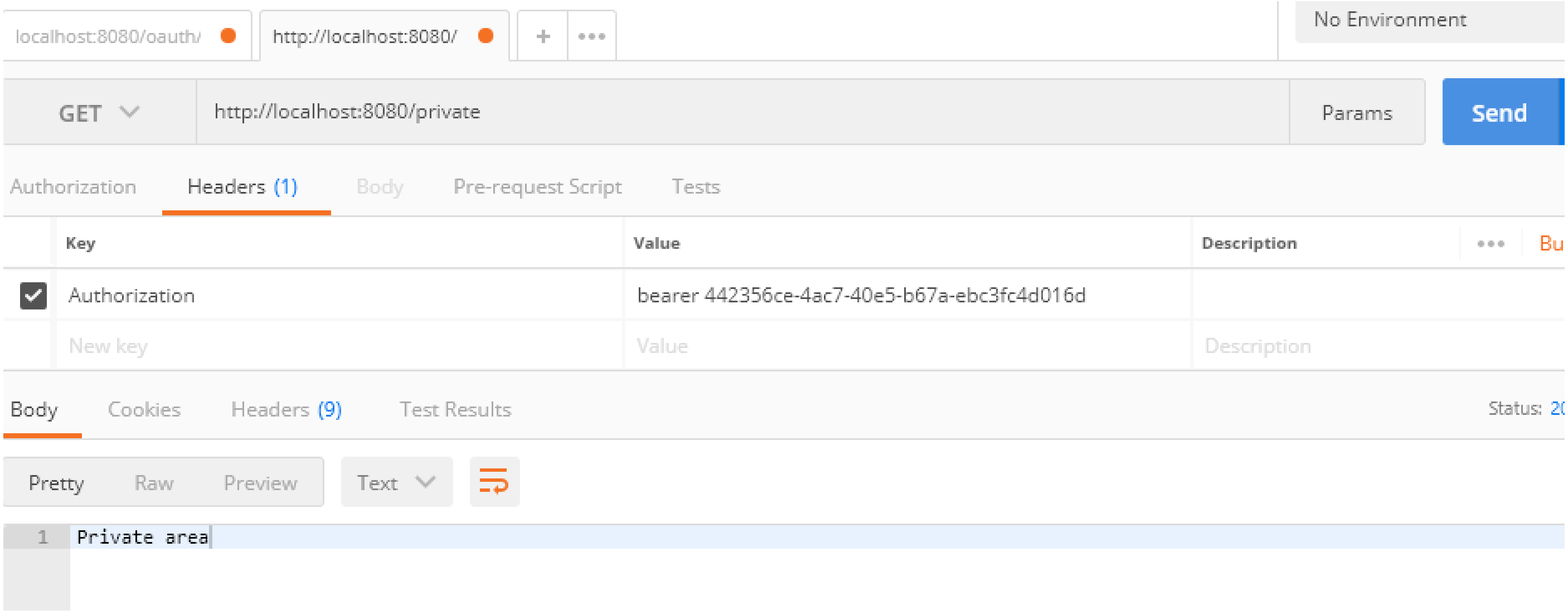
☑ Show Password

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

□ Save helper data to request

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

4. Access private resource with access-token:



GET http://localhost:8080/private

| Key | Value | Description |
|---|---|---|
| ☑ Authorization | bearer 442356ce-4ac7-40e5-b67a-ebc3fc4d016d | |
| New key | Value | Description |

```
Private area
```