

**Usecase:** OIDC Server project is a REST service that provides a single RESTful endpoint protected by OAuth 2

The following validation done on OIDC Server :

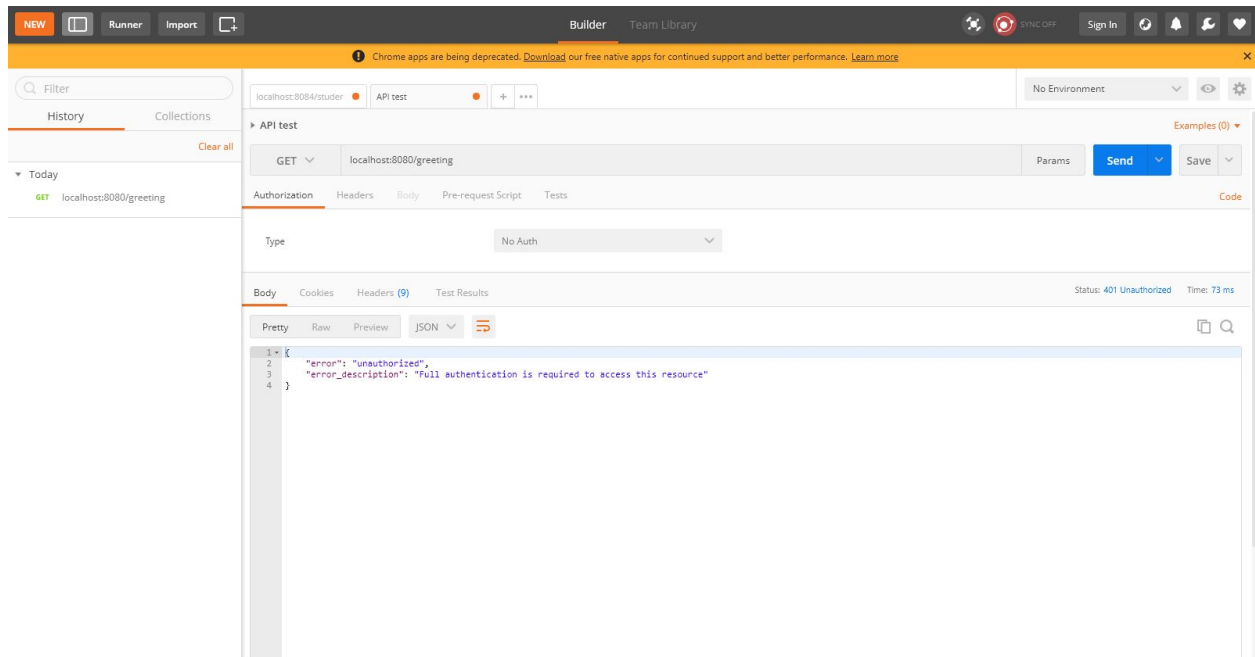
**1) Tested the below API**

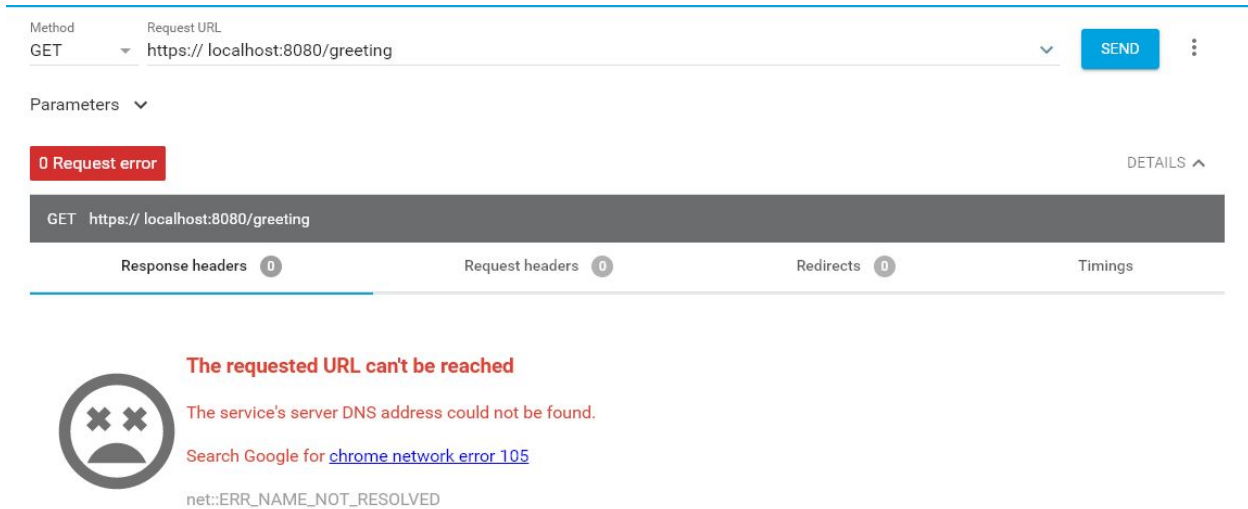
URI : localhost:8080/greeting

Response

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

The above server response says you are not authorized to access the resource:





## 2. For accessing the protected resource, we need to first request an access token via the OAuth handshake. Request OAuth authorization:

Method: POST

Request URL:

http://localhost:8080/oauth/token?username=roy&password=spring&grant\_type=password&scope=read write&client\_id=clientapp&client\_secret=123456

Headers:

Authorization: Type : Basic Authorization

Username : clientapp

Password : 123456

### Response Payload:

```
{
  "access_token": "5cebb80e-ece5-4292-b793-17937d7a3ea1",
  "token_type": "bearer",
  "refresh_token": "1397f2a1-dec6-48bd-a478-29881f06096a",
  "expires_in": 40755,
  "scope": "read write"
}
```

Request

Method
POST
Request URL
http://localhost:8080/oauth/token?username=roy&password=spring&grant\_type=password&scope=read write&client\_id=roy
SEND

Parameters

Headers
Body
Variables

Toggle source mode
Insert headers set

Header name	Header value	
Content-Type	application/json	✕ ✎ ?
cookie	JSESSIONID=531E3D670A285C572DA1A90B16BD54C8	✕ ✎
authorization	Basic Y2xpZW50YXBwOjEyMzQ1Ng==	✕ ✎

ADD HEADER

A✓

200 OK
15.68 ms

Headers size: 128 bytes

DETAILS

```

{
  "access_token": "5cebb80e-ece5-4292-b793-17937d7a3ea1",
  "token_type": "bearer",
  "refresh_token": "1397f2a1-dec6-48bd-a478-29881f06096a",
  "expires_in": 40755,
  "scope": "read write"
}

```

### 3. Use the access\_token returned in the previous request to make the authorized request to the protected endpoint:

Method: GET

Request URL: <http://localhost:8080/greeting>

Headers:

Authorization : Bearer 5cebb80e-ece5-4292-b793-17937d7a3ea1

Response Payload:

```

{
  "id": 5,
  "content": "Hello, Roy!"
}

```

Snapshot for reference:

## Request

Method GET Request URL http://localhost:8080/greeting

SEND

Parameters ^

Headers

Variables



Toggle source mode



Insert headers set

Header name

Header value

Authorization

Bearer 5cebb80e-ece5-4292-b793-17937d7a3ea1



Header name

Header value



ADD HEADER



200 OK

13.41 ms

Headers size: 58 bytes

DETAILS ^



```
[
```

```
  "id": 5,
```

```
  "content": "Hello, Roy!"
```

```
]
```