



LAB- Logging in with Google Oauth

Step 1 – User Registration

In this step you will be working on **03-security-google-oauth2-start** project.

Open pom.xml and observe that we have added

```
<dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-oauth2-client</artifactId>
</dependency>
```

Go to <https://console.developers.google.com/>

Click on Credentials link in the left menu

Click on Create credentials ,select “OAuth Client Id”

Select Application type as “Web Application”

Give Some Name , and redirect uri as <https://localhost:8443/myapp/login/oauth2/code/google> and create.

Note down the client-id and client-secret shown

Now configure following in application.yml

```
spring:
  security:
    oauth2:
      client:
        registration:
          google:
            client-id: <<client-id>>
            client-secret: <<client-secret>>
```

Open OAuth2AuthenticationSuccessHandler.java given to you in com.way2learnonline package and observe that it is extracting user details from OAuth2AuthenticationToken

And saving MyAppUser into database if user is not existing.

Open WebSecurityConfiguration.java and complete TODO-1

Open login.html under templates folder and observe how we have added link for Google Login



That's all !!

Now give a request to <http://localhost:8080/hello> so that you will be redirected to login page.

In the login page choose to login using google.

You should be successfully logged in.

Open <http://localhost:8080/h2-console> and observe that the user details are added to Users table.