

Module #4: Microservice - Security

Case Study

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Problem Statement

This problem is focusing on implementing OAuth2.0 and securing a rest service through it. You have simple restful service to display greetings. You need to secure this service through the enabling oauth2.0 through spring security. Once you secure the service, if a client try to access the service URL it should be redirected to an Authorization server after logging on this server token is generated and post validation service can be accessed by the client

Solution Hints:

Create the below items

- 1) **Authorization server** - Will generate the token
- 2) **Resource Server** – validate the token and if its valid give access to resource.
- 3) **Client** – Will request a resource and then will be redirected to authorization server for login , once token is generated it will be sent to resource server

We have walked through creation of all three of them during this module; you can refer to that and connect the various pieces. You can build a simple greeting resource service along with resources server and then use Spring MVC to build the client.

Solution Deliverable

Maven spring boot projects which can be build using the maven configurations . There would be two projects one for Authorization and resource server and one will be the client project. On accessing the Resource URL it should ask for authorization and based on that permit the access.